Texas Water Development Board

Amendment #2

2023 REGIONAL FLOOD PLAN

REGION 6

SAN JACINTO

April 2025



PREPARED FOR THE **SAN JACINTO REGIONAL FLOOD PLANNING GROUP**

2023 San Jacinto Regional Flood Plan

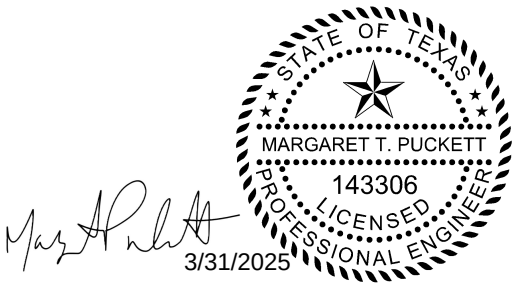
Amendment #2

Prepared by:

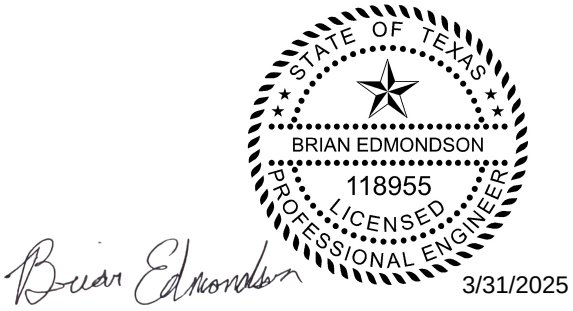
Region 6 San Jacinto Regional Flood Planning Group

With assistance from:

Freese and Nichols, Inc. *[TBPE Reg. No. F-2144]*



Margaret Puckett, P.E., CFM
Project Manager, Associate,
Freese and Nichols, Inc.



Brian Edmondson, P.E., CFM
Associate,
Freese and Nichols, Inc.

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SUMMARY OF CHANGES
2023 REGIONAL FLOOD PLAN AMENDMENT #2

Executive Summary

The executive summary tables and descriptions were updated to reflect changes to chapters and appendices described below. All changes made to the tables within the Regional Flood Plan can been seen throughout this document bolded and with asterisks.

Chapters 1-3:

No changes were made.

Chapter 4: Assessment and Identification of Flood Mitigation Needs

38 new studies identified 4 additional Flood Mitigation Projects (FMPs), 67 Additional Flood Mitigation Evaluations (FMEs) have been recommended, and 11 Flood Mitigation Strategies (FMSs)

Chapter 5: Recommendation of Potential Flood Management Evaluations and Flood Management Strategies and Associated Flood Mitigation Projects

The San Jacinto RFPG identified several newly recommended and modified projects for the Amendment #2. Changes made to the RFP can be seen displayed in **Table 0-1** below and detailed in **Section A.3 and A.4**, where updated tables describe the new and modified projects. Each new FMP is supported by models which were uploaded to MS2 (Model Storage and Management System).

TABLE 0-1: SUMMARY OF PROJECTS

FMX	FMX Removed	FMX Added	Original FMX Count	Amended Count	Original Estimated Cost	Amended Total Est. Cost
FME	9	67	405	463	$905,377,000	$956,203,000
FMP	2	38	70	106	$31,685,213,000	$33,030,634,000
FMS	-	11	65	76	$1,199,622,720	$1,320,511,720
Total	11	116	540	645	$33,790,212,720	$35,307,352,720

Chapter 6: Impact and Contribution of the Regional Flood Plan

The San Jacinto RFPG has recommended an additional 38 FMPS in Amendment #2. The updated total reduction in flood exposure for the San Jacinto Region for all of the recommended FMPs is detailed within the report.

Chapter 7-8:

No changes were made.

Chapter 9: Flood Infrastructure Financing Analysis

The funding survey sent out in the initial RFP cycle was sent to the sponsors that participated in this round of amending the 2023 Regional Flood Plan. This survey allows the San Jacinto RFPG to get an understand of available local funding and necessary state funding needed to support these. The survey concluded that approximately **$26.7* billion** in state and federal funding is needed to support this amendment. The additional project funding from this amendment round increased the total estimated project cost to **$35.3* billion**.

Chapter 10: Public Outreach and Engagement

The San Jacinto RFPG voted to move forward with Amendment #2 on October 10, 2024 and adopted Amendment #2 on March 13, 2025. Public comments on Amendment #2 were available 7 days prior to and 14 days following the adoption meeting on February 20, 2025.

Appendix 4 and 5: Exhibit C Tables

- Recommended Flood Management Evaluations (FME) - 67 Additional FMEs have been recommended and added to Exhibit C Table 12 and Table 15.
- Recommended Flood Mitigation Projects (FMP) – 38 Additional FMPs have been recommended and added to Exhibit C Table 13 and 16.
- Recommended Flood Management Strategies (FMS) – 11 Additional FMSs have been recommended and added to Exhibit C Table 14 and 17.
- Project Details Workbook - Project details for each of the additional recommended FMPs have been added to Exhibit C Tables
- Funding Survey - Funding Survey results for the additional recommended FMPs have been added to Exhibit C Table 19: Funding Survey Summary Table.

No Negative Impacts Table

No Negative Impacts data for the additional recommended FMPs have been added to the table.

Changes to List of Models Submitted/Uploaded to MS2

Additional models submitted in support of the additional recommended FMPs have been added and uploaded to MS2.

Appendix B: Maps

The following Appendix Maps have been revised for the additional projects.

Map 16: Potential Flood Management Evaluations
Map 17: Potential Flood Mitigation Projects
Map 18: Potential Flood Mitigation Strategies
Map 19: Recommended Flood Mitigation Evaluations
Map 20: Recommended Flood Mitigation Projects
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Modifications and Additions to the Geodatabase

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A.1. INTRODUCTION AND PLANNING GROUP ACTION

A.1.1 Summary of amendments and associated evaluations

The Texas Legislature tasked the Texas Water Development Board (TWDB) with initiating the regional and state flood planning processes in 2019. The first Regional Flood Plan was submitted in January 2023. In July 2023, an Amended Regional Flood Plan was adopted to incorporate additional flood risk solutions developed as part of the Cycle 1 effort (Amendment #1). These combined findings were adopted into the inaugural State Flood Plan that was adopted by TWDB in 2024.

The San Jacinto RFPG chose to use grant funds available for the 2028 Regional Flood Planning cycle to Amend the 2023 Regional Flood Plan (Amendment #2) in response to the opportunity to modify or recommend additional flood risk reduction solutions to be considered by the TWDB during the Fiscal Year 2026 – 2027 Flood Infrastructure Fund cycle.

Amendment #2 outreach and advertisement of this opportunity conducted by the technical consultant yielded responses from 10 sponsors who submitted over 160 Notice of Intents (NOI) for various projects by November 15, 2024. Final data and submissions to support the inclusion of these projects in the flood plan were collected by January 15, 2025. Notably, several projects that sponsors submitted NOIs for did not meet the minimum requirements for inclusion in the Regional Flood Plan, however, there will be opportunity to incorporate those projects during the normal 2028 planning cycle. All revisions were completed in March 2025 and adopted by the San Jacinto RFPG at the March 13, 2025 meeting.

A.2. CONSISTENCY WITH RULES AND STATUTE

As required by 31 TAC §361, in particular §361.21, the San Jacinto RFPG conducts all business in meetings posted and held in accordance with the Texas Open Meetings Act, Texas Government Code Chapter 551, with a copy of all materials presented or discussed available for public inspection prior to and following public meetings via the San Jacinto RFPG website. Additional notice requirements referenced in 31 TAC §361.21 were followed, when applicable. The plan was developed in accordance with 31 TAC §361.50 and §361.50-.61 the flood planning Guidance Principles 31 TAC §361.20 (31 TAC §362.3) and includes an explanation of how the plan satisfies each of the guidance principles including that the plan will not negatively affect a neighboring area. The overarching goal of all RFPs must be “to protect against the loss of life and property” as set forth in the Guidance Principles, 31 TAC §362.3. This includes the need to: 1. Identify and reduce the risk and impact to life and property that already exists, and 2. Avoid increasing or creating new flood risk by addressing future development within the areas known to have existing or future flood risk. After the considerations of public comments and the RFP is adopted by the San Jacinto RFPG, the Water Development Board will decide if the revised plan satisfies all requirements and aforementioned codes per TWC §16.062(h).

A.3. MODIFICATIONS AND ADDITIONS TO THE 2023 REGIONAL FLOOD PLAN (MAIN REPORT)

A.3.1 Changes to the Executive Summary

The TWDB will compile the second cycle of amendments to the RFP from each of its 15 regions to present to the Texas Legislature. **Table 0-1** includes the deadline for the RFP Amendment #2 in order for it to be considered for state and federal funding. This cycle of amending the San Jacinto RFP included adding 116 recommended projects to be considered for FIF funding by the TWDB.

TABLE 0-1: REGIONAL FLOOD PLAN DEADLINES

Plan Deliverable	Deadline
Second Amended Regional Flood Plan*	**April 1,2025***

The following tables summarize the total projects recommended to be adopted by the San Jacinto RFPG and TWDB, separated by project type.

TABLE 0-5: SUMMARY OF RECOMMENDED FLOOD MITIGATION PROJECTS

Structural	FMP Type	Number of Recommended FMPs	Total Cost of Recommended FMPs
Yes	Comprehensive; Master Drainage Plan projects; Coastal	**86***	**$33,028,762,000***
No	Preparedness; Improve regulations and permit requirements	20	$1,876,000
	Total	**106***	**$33,030,638,000***

TABLE 0-6: SUMMARY OF RECOMMENDED FLOOD MITIGATION STRATEGIES

FMS Type	FMS Description	Number of FMSs Recommended	Total Cost of Recommended FMSs
Education and Outreach	Programs or initiatives that aim to educate the public on the hazards and risks of flooding.	15	$5,370,000
Flood Measurement and Warning	Installation of or improvements to rain or stream gauges to monitor water levels and have real-time feedback during flood events.	**9***	**$3,894,720***
Infrastructure Projects	Critical maintenance and improvements to existing drainage systems throughout a community.	8	$16,030,000
Property Acquisition and Structural Elevation	Buyouts or elevation of structures with high flood risk or historical flooding impact as well as land preservation and restoration programs.	17	$1,166,975,000
Regulatory and Guidance	Updates or creation of new ordinances, development codes, design standards, or other floodplain management regulations to minimize future flood risk or reduce current flood risk.	**15***	**$7,502,000***
Other	Other flood management strategies that do not fit into one of the above categories	**12***	**$120,740,000***
	Total	**76***	**$1,320,511,720***

TABLE 0-7: SUMMARY OF RECOMMENDED FLOOD MITIGATION EVALUATIONS

FME Type	FME Description	Number of Recommended FMEs	Total Cost of Recommended FMEs
Watershed Planning	Flood mapping updates; master drainage plans	**165***	**$751,709,000***
Project Planning	Updated H&H modeling; Additional engineering analysis	**295***	**$203,600,000***
Preparedness	Studies on flood preparedness	1	$20,000
Other	Bayou protection or flood risk management studies	**2***	**$874,000***
	Total	**463***	**$956,203,000***

TABLE 0-8: SUMMARY OF IMPACT ON PEOPLE AND PROPERTY AFTER IMPLEMENTATION OF RFP FLOOD MITIGATION PROJECTS

Annual Chance Exceedance	Flood Exposure Region-wide	Existing Conditions	After Implementation	Reduction in Exposure
0.2%	Total Structures	**441,229***	**307,188***	**134,041***
1.0%	Total Structures	**628,124***	**497,627***	**130,497***
	Residential Structures	**529,173***	**421,333***	**107,840***
	Critical Facilities	**9,825***	**7,400***	**2,425***
	Population	**1,782,827***	**788,493***	**570,849***
	Low Water Crossings (LWCs)	**323***	**297***	**26***

A.3.2 Changes Made to Chapter 4

The San Jacinto RFPG received interest from 9 sponsors to add additional projects to RFP Amendment #2. These sponsors identified an additional 38 FMPs, 67 FMEs, and 11 FMSs to consider. **Table 4-12, Table 4-13, Table** 4-14 display the types of the total projects identified.

TABLE 4-12: FMP TYPES AND GENERAL DESCRIPTION

FMP Type		Description	Total FMPs Identified
Structural	Regional Detention	Detention ponds intended to mitigate flooding by reducing peak flow rates for multiple sites or large regions.	**20***
	Regional Channel Improvements	Channel improvements intended to mitigate flooding by lowering the water surface elevation for multiple sites or large regions.	**11***
	Coastal Protections	Projects intended to prevent coastal erosion and mitigate coastal storm surge risk such as flood gates, sea wall improvements, and ecosystem restoration.	2
	Infrastructure Improvements	Improvements to flood mitigation infrastructure including storm drain improvements and detention ponds intended to mitigate flooding in individual neighborhoods.	**18***
	Comprehensive Regional Improvements	A combination of individual flood risk reduction projects intended to work together to mitigate flood risk.	**38***
Non-Structural	Flood Preparedness	Projects intended to mitigate flood risk through improved flood management regulations and ordinances.	21
	Other	Other flood mitigation projects that do not fit into one of the above categories.	1
		Total	**111***

TABLE 4-13: FMS TYPES AND GENERAL DESCRIPTION

FMS Type	Description	Total FMSs Identified
Education and Outreach	Programs or initiatives that aim to educate the public on the hazards and risks of flooding.	15
Flood Measurement and Warning	Installation of or improvements to rain or stream gauges to monitor water levels and have real-time feedback during flood events.	**9***
Infrastructure Projects	Critical maintenance and improvements to existing drainage systems throughout a community.	8
Property Acquisition and Structural Elevation	Buyouts or elevation of structures with high flood risk or historical flooding impact as well as land preservation and restoration programs.	18
Regulatory and Guidance	Updates or creation of new ordinances, development codes, design standards, or other floodplain management regulations to minimize future flood risk or reduce current flood risk.	**15***
Other	Other flood management strategies that do not fit into the one of the above categories.	**12***
	Total	**77***

TABLE 4-14: FME TYPES AND GENERAL DESCRIPTION

FME Type	FME Sub-Type	Description	Total FMEs Identified
Watershed Planning	Master Drainage Plans	An assessment of a watershed or community to estimate flood risk and recommend flood management and flood mitigation projects.	**95***
	Regional Watershed Studies	An assessment of a watershed with the intent to develop better flood risk information which can include both regulatory and non-regulatory flood risk mapping.	70
Engineering Project Planning	Feasibility Assessment	Develop flood mitigation project alternatives for a discrete high flood risk area, estimate construction costs for alternatives, and determine flood reduction benefit for alternatives. Evaluation may require creation of H&H modeling.	**99***
	Preliminary Engineering	Further evaluate an identified potential FMP to refine and validate constructions costs and flood reduction benefits. Evaluation may require the creation or updating of H&H modeling.	**255***
	Update H&H Modeling	Updates or refinement of previously created models that support a potential flood mitigation project to include the best available data.	6
Studies on Flood Preparedness		Analysis to determine community risk and enhance preparedness in event of infrastructure failure or severe flooding event.	1

Other		Other flood management evaluations that do not fit into one of the above categories.	**3***
		Total	**529***

A.3.3 Changes Made to Chapter 5

The San Jacinto RFPG identified and recommended the addition, removal, and alteration of potential projects for the Amendment #2 that were in accordance with TWDB guidelines. **Table 5-1, Table 5-2, andTable 5-3** below display newly recommended projects bolded with an asterisk and projects that are no longer recommended struck through. **Table 5-4** displays the updated count of the projects evaluated within this round of amending the Regional Flood Plan. All probable total project costs were adjusted to September 2020 costs and rounded to the nearest $1,000.

Flood Mitigation Projects (FMPs)

Six previously consolidated FMPs have been reclassified in this amendment. Previously, these FMPs were grouped by watershed rather than as individual projects. To make them eligible for funding as separate projects, they needed to be divided into individual components.

Four of these FMPs (063000058, 063000059, 063000061, and 063000064) have been split into 14 individual FMEs for further study:

- FME 063000058 was divided into three projects: Channelization at I-69 (061000654), Detention at FM 1097 (061000641), and Detention at SH 105 (061000653)
- FME 063000059 was converted to FME 061000650
- FME 063000061 was divided into three projects: Channelization at I-69 (061000652), Detention at N Walker Rd (061000645), and Detention at SH 105 (061000646)
- FME 063000064 was divided into two projects: Kingwood benching (061000651) and SH 242 Channelization (061000649)

Two FMPs have been split into seven new individual FMPs:

1. FMP 063000060 (Lake Creek Detention) has been reclassified as non-recommended and split into three separate FMPs:
    - Garrett's Creek Detention (063000093)
    - Little Caney Creek Detention (063000094)
    - Caney Creek Detention (063000098)
2. FMP 063000062 (Spring Creek Improvements) has been reclassified as non-recommended and split into four separate FMPs:
    - I-45 Channelization (063000095)
    - Walnut Creek Detention (063000096)
    - Woodland Channelization (200-ft) (063000097)

- Birch Creek Detention (063000099)

Of these seven new FMPs, five have also been recommended as FMEs for further study. The exceptions are Walnut Creek Detention and Birch Creek Detention, which are proceeding directly as FMPs.

With these reclassifications and the other new projects, a total of 38 FMPs are recommended to be added to this amendment. The calculated FMP Recurring Costs were assumed to be 6% of the total FMP cost. Each newly recommended FMP was proven to have no negative impacts on neighboring areas. The determination of no negative impacts for each FMP can be seen in the updated NNI tables in **A.4.2.**

Flood Mitigation Evaluations (FMEs)

9 previous FMEs have been studied and have substantial work to be recommended as FMPs. These 9 have been changed to not recommended within the FME feature class of the geodatabase and added to the FMP feature class. 37 of the previous FMEs have been revised, with all modified FMEs having description changes except for one that has an updated description and cost. A total of 67 FMEs that are recommended to be added to the Amendment #2. The FMEs submitted by the HCFCD are assumed to have emergency need because HCFCD has a standard to include Atlas 14 rainfall, which is a defining factor for emergency need per Volume 1 of the San Jacinto RFP.

Flood Mitigation Strategies (FMSs)

Additionally, there are 11 FMSs recommended to be added to Amendment #2. It was assumed that the FMS NRNC costs were calculated to be 5% of the total FMS cost for all FMS types except Property Acquisition and Structural Elevation. For the Property Acquisition and Structural Elevation FMS types, 10% of the total FMS cost was assumed.

For a summary and additional information on each of these projects, refer to the one-page summaries attached in **Appendix 5-5**.

TABLE 5-1: SUMMARY OF RECOMMENDED FMES

	FME ID	Name	Type	Cost
1*	061000560*	Chambers County Sterling Drive Drainage Study*	Project Planning*	$85,000*
2*	061000561*	Chambers County Bayside Drive Tidal Surge Protection*	Project Planning*	$127,000*
3*	061000596*	Armand Bayou Watershed Study*	Watershed Planning*	$675,000*
4*	061000597*	Clear Creek Watershed Study*	Watershed Planning*	$844,000*
5*	061000598*	Carpenters Bayou Watershed Study*	Watershed Planning*	$422,000*
6*	061000599*	Halls Bayou Watershed Study*	Watershed Planning*	$507,000*
7*	061000600*	Jackson Bayou Watershed Study*	Watershed Planning*	$422,000*

	FME ID	Name	Type	Cost
8*	061000601*	Little Cypress Creek Watershed Study*	Watershed Planning*	$507,000*
9*	061000602*	Luce Bayou Watershed Study*	Watershed Planning*	$675,000*
10*	061000603*	San Jacinto and Galveston Bay Watershed Study*	Watershed Planning*	$422,000*
11*	061000604*	San Jacinto River Watershed Study*	Watershed Planning*	$1,013,000*
12*	061000605*	Spring Creek Watershed Study*	Watershed Planning*	$760,000*
13*	061000606*	Spring Gully and Goose Creek Watershed Study*	Watershed Planning*	$422,000*
14*	061000607*	Vince Bayou Watershed Study*	Watershed Planning*	$422,000*
15*	061000608*	Willow Creek Watershed Study*	Watershed Planning*	$507,000*
16*	061000612*	Feasibility Study of the H103-05-00 Subwatershed in City of Jacinto City*	Project Planning*	$169,000*
17*	061000613*	Feasibility Study for Tributary E118-00-00*	Project Planning*	$254,000*
18*	061000614*	Feasibility Study for Little Vince Bayou I101-00-00 in Pasadena*	Project Planning*	$338,000*
19*	061000615*	H103-00-00 Denver Harbor Area Project*	Project Planning*	$254,000*
20*	061000616*	Cedar Bayou Overflow and Channel Diversion Study*	Project Planning*	$675,000*
21*	061000617*	PER of Gulf Bank South Stormwater Detention Basin*	Project Planning*	$1,013,000*
22*	061000618*	Feasibility Study of Aldine Westfield North Stormwater Detention Basin*	Project Planning*	$675,000*
23*	061000619*	Feasibility Study of Aldine Westfield South Stormwater Detention Basin*	Project Planning*	$675,000*
24*	061000620*	Feasibility Study of Little York Phase 2 Stormwater Detention Basin*	Project Planning*	$633,000*
25*	061000621*	Feasibility Study of Veterans Memorial Stormwater Detention Basin*	Project Planning*	$633,000*
26*	061000622*	Feasibility Study of the Turney Road Stormwater Detention Basin*	Project Planning*	$633,000*
27*	061000623*	Feasibility Study of the Shady Lane Stormwater Detention Basin*	Project Planning*	$633,000*

	FME ID	Name	Type	Cost
28*	061000624*	Feasibility Study of the Pinewood Stormwater Detention Basin*	Project Planning*	$633,000*
29*	061000625*	Feasibility Study of the Northline North Stormwater Detention Basin*	Project Planning*	$633,000*
30*	061000626*	Feasibility Study of the Northline South Stormwater Detention Basin*	Project Planning*	$633,000*
31*	061000627*	Feasibility Study of the Lakewood Stormwater Detention Basin*	Project Planning*	$633,000*
32*	061000628*	Feasibility Study of the Langley Stormwater Detention Basin*	Project Planning*	$633,000*
33*	061000629*	Feasibility Study of the Haywood Stormwater Detention Basin*	Project Planning*	$633,000*
34*	061000630*	Feasibility Study of the Cockrell Stormwater Detention Basin*	Project Planning*	$633,000*
35*	061000631*	Feasibility Study of Halls Bayou Main Stem Conveyance Improvements*	Project Planning*	$675,000*
36*	061000632*	Feasibility Study of Blue Bell Phase 2 Stormwater Detention Basin*	Project Planning*	$633,000*
37*	061000633*	Cypress Creek Watershed Study to Phase the FMP 63000357*	Other*	$844,000*
38*	061000634*	Projects B106-WP01 and B106-WP02 for City of La Porte*	Project Planning*	$633,000*
39*	061000635*	Little Cedar Bayou Flood Risk Reduction Project*	Project Planning*	$844,000*
40*	061000636*	South Acres Tributary Channel Conveyance Improvements and Detention*	Project Planning*	$844,000*
41*	061000637*	Alief Area Flood Risk Management Study*	Watershed Planning*	$844,000*
42*	061000638*	Detailed Evaluation of the Cole Creek Stormwater Detention Basin*	Project Planning*	$844,000*
43*	061000639*	Cypress Trace Stormwater Detention Basin*	Project Planning*	$844,000*
44*	61000640*	Conservation Easements for Natural and Agricultural Lands in the Floodplain*	Project Planning*	$844,000*
45*	061000641*	Caney Creek Detention at FM 1097*	Project Planning*	$692,000*
46*	061000642*	Lake Creek - Caney Creek Detention*	Project Planning*	$692,000*
47*	061000643*	Lake Creek - Little Caney Creek Detention*	Project Planning*	$692,000*

	FME ID	Name	Type	Cost
48*	061000644*	Lake Creek - Garrett's Creek Detention*	Project Planning*	$692,000*
49*	061000645*	Peach Creek Detention at N Walker Rd*	Project Planning*	$692,000*
50*	061000646*	Peach Creek Detention at SH 105*	Project Planning*	$692,000*
51*	061000647*	Spring Creek Woodlands Channelization (200-ft)*	Project Planning*	$692,000*
52*	061000648*	Spring Creek I-45 Channelization*	Project Planning*	$692,000*
53*	061000649*	West Fork San Jacinto River SH 242 Channelization*	Project Planning*	$692,000*
54*	061000650*	East Fork San Jacinto River Winters Bayou Detention*	Project Planning*	$692,000*
55*	061000651*	West Fork San Jacinto River Kingwood Benching*	Project Planning*	$692,000*
56*	061000652*	Peach Creek Channelization at I-69 (I-59)*	Project Planning*	$692,000*
57*	061000653*	Caney Creek Detention at SH 105*	Project Planning*	$692,000*
58*	061000654*	Caney Creek Channelization at I-69*	Project Planning*	$692,000*
59*	061000655*	Upper San Jacinto River Basin Reservoir Feasibility Study*	Project Planning*	$1,978,000*
60*	061000656*	Pinebrook Drainage Improvements Study *	Watershed Planning*	$85,000*
61*	061000657*	Flagtail Creek - Lake Creek and Tributaries Crossing Improvement Study*	Project Planning*	$532,000*
62*	061000658*	Garretts Creek and Tributaries Crossing Improvement Study*	Project Planning*	$393,000*
63*	061000659*	Haynie Creek - Little Caney Creek and Tributaries Crossing Improvement Study*	Project Planning*	$380,000*
64*	061000660*	Sand Creek - Caney Creek and Tributaries Crossing Improvement Study*	Project Planning*	$469,000*
65*	061000661*	Town of Dobbin - Lake Creek and Tributaries Crossing Improvement Study*	Project Planning*	$266,000*
66*	061000662*	Hurricane Creek - Mill Creek and Tributaries Crossing Improvement Study*	Project Planning*	$254,000*
67*	061000663*	Birch Creek - Walnut Creek and Tributaries Crossing Improvement Study*	Project Planning*	$296,000*

	FME ID	Name	Type	Cost
~~68~~	~~061000419~~	~~Houston Huntington Village Area Flood Mitigation~~	~~Project Planning~~	~~$30,000~~
~~69~~	~~061000433~~	~~Spring Shadows South~~	~~Project Planning~~	~~$30,000~~
~~70~~	~~061000471~~	~~Scott Street (OST to Brays Bayou) Area Drainage and Paving Improvements (remove southland from it)~~	~~Project Planning~~	~~$30,000~~
~~71~~	~~061000472~~	~~Freeway Manor North Area Drainage and Paving Improvements FMN, FMS, GWT and C106-10~~	~~Project Planning~~	~~$30,000~~
~~72~~	~~061000473~~	~~Richmond Plaza (South) Drainage and Paving Improvements (Chimney Rock - Burnett/Bayland Park)~~	~~Project Planning~~	~~$30,000~~
~~73~~	~~061000474~~	~~Southland Area Drainage and Paving Improvements~~	~~Project Planning~~	~~$30,000~~
~~74~~	~~061000475~~	~~Westbury Area Drainage and Paving Improvements Subproject 1 (+30%) include entire Westbury~~	~~Project Planning~~	~~$30,000~~
~~75~~	~~061000481~~	~~Kirkwood/Nottingham~~	~~Project Planning~~	~~$30,000~~
~~76~~	~~061000374~~	~~Cedar Bayou Flood Risk Reduction Study - Q128 Channel Improvements from US 90 to Q100 Confluence~~	~~Project Planning~~	~~$30,000~~

TABLE 5-2: SUMMARY OF RECOMMENDED FMPS

FMP ID		Name	Type	Cost
1*	**063000065***	**G103-05-00 St. Charles Place Project S-3***	**Infrastructure***	**$2,019,000***
2*	**063000066***	**G103-05-02.1 Arcadian Gardens Project, alt S-4***	**Comprehensive***	**$1,245,000***
3*	**063000067***	**G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1***	**Infrastructure***	**$8,798,000***
4*	**063000068***	**G103-07-00 Sheldon Area Project, PA4***	**Channel***	**$29,081,000***
5*	**063000069***	**G103-24-00 Atascocita Area Project, PA1***	**Comprehensive***	**$16,137,000***
6*	**063000070***	**Q130-00-00 Channel Improvement PER and Design, alternative 3***	**Comprehensive***	**$14,497,000***
7*	**063000071***	**Preliminary Engineering Study for Q122-00-00***	**Detention***	**$16,153,000***

	FMP ID	Name	Type	Cost
8*	063000072*	TLV Drainage Improvement Project*	Infrastructure*	$6,130,000*
9*	063000073*	Bear/Panther Branch Drainage Improvements project*	Comprehensive*	$23,567,000*
10*	063000074*	Cypress Ditch Conveyance Improvement Project*	Channel*	$75,916,000*
11*	063000076*	P125-00-00 Flood Risk Reduction Project Bundle, project 1*	Comprehensive*	$46,273,000*
12*	063000077*	P126-00-00 Flood Risk Reduction Project, project 3*	Channel*	$78,753,000*
13*	063000078*	G103-09-01 Barrett Settlement and St. Charles Place Project S-2*	Infrastructure*	$21,056,000*
14*	063000079*	E116-00-00 Flood Risk Reduction Project Phase 2*	Comprehensive*	$22,852,000*
15*	063000080*	Q534-01-00 Detention Basin Design and Construction, Phase 1 improvements*	Infrastructure*	$14,984,000*
16*	063000081*	Saltwater Ditch Subwatershed Flood Risk Reduction Project*	Channel*	$101,097,000*
17*	063000082*	Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1*	Comprehensive*	$7,704,000*
18*	063000083*	City of Houston Southland Drainage Improvements*	Comprehensive*	$28,950,000*
19*	063000084*	Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1*	Comprehensive*	$27,776,000*
20*	063000085*	C106 - FMS, FMN, GT Alt 7*	Infrastructure*	$55,175,000*
21*	063000086*	City of Houston Westbury CIP Project*	Comprehensive*	$125,225,000*
22*	063000087*	City of Houston Kirkwood/Nottingham Drainage Improvements*	Infrastructure*	$40,226,000*
23*	063000088*	City of Houston Spring Shadow South Drainage Imporvements*	Infrastructure*	$20,676,000*
24*	063000089*	Q128-00-00 Channel Conveyance Improvements*	Channel*	$21,671,000*
25*	063000090*	City of Houston Richmond Plaza Drainage Improvements*	Infrastructure*	$58,660,000*
26*	063000091*	City of Houston Huntington Village Drainage Improvements*	Infrastructure*	$30,247,000*

	FMP ID	Name	Type	Cost
27*	063000092*	Scott Street - OST to Brays Projects 1,2,and 3*	Infrastructure*	$128,714,000*
28*	063000093*	Lake Creek - Garrett's Creek Detention*	Detention Pond*	$129,569,000*
29*	063000094*	Lake Creek - Little Caney Creek Detention*	Detention Pond*	$126,602,000*
30*	063000095*	Spring Creek I-45 Channelization*	Channel*	$84,071,000*
31*	063000096*	Spring Creek Walnut Creek Detention*	Detention Pond*	$141,438,000*
32*	063000097*	Spring Creek Woodlands Channelization (200-ft)*	Channel*	$55,388,000*
33*	063000098*	Lake Creek - Caney Creek Detention*	Detention Pond*	$161,219,000*
34*	063000099*	Spring Creek Birch Creek Detention*	Detention Pond*	$85,061,000*
35*	063000480*	Kilgore Regional Detention Atlas 14 Upgrade*	Comprehensive*	$157,246,000*
36*	063000481*	Staples Drive Improvements*	Comprehensive*	$4,878,000*
37*	063000482*	Saw Pit Gully Crossing Improvements*	Comprehensive*	$10,904,000*
38*	063000483*	Smith Gully and Barbers Hill Ditch*	Channel*	$49,467,000*
~~39~~	~~063000060~~	~~Lake Creek - Detention on Garretts Creek, Little Caney Creek, & Caney Creek~~	~~Detention Pond~~	~~$291,000,000~~
~~40~~	~~063000062~~	~~Spring Creek - Woodland (200-ft) and I-45 Channelization with detention at Birch Creek and Walnut Creek~~	~~Comprehensive~~	~~$393,000,000~~

TABLE 5-3: SUMMARY OF RECOMMENDED FMSS

	FMS ID	Name	Type	Cost
1*	062000070*	Chambers County Community Rating System*	Riverine*	$8,000*
2*	062000071*	Chambers County Flood Model and Map Management System*	Riverine*	$36,000*
3*	062000072*	Chambers County Property Acquisition*	Riverine*	$360,000*
4*	062000073*	Chambers County Drainage Criteria Manual Update*	Riverine*	$127,000*
5*	062000074*	Lake Creek floodplain preservation*	Riverine*	$40,489,000*
6*	062000075*	West Fork San Jacinto River floodplain preservation*	Riverine*	$32,897,000 *
7*	062000076*	Spring Creek floodplain preservation*	Riverine*	$43,019,000*

8*	**062000077***	**Updates to San Jacinto River Authority Lake Conroe Reservoir Forecast Tool***	**Riverine***	**$346,000***
9*	**062000078***	**San Jacinto River Watershed Gage Network Expansion***	**Riverine***	**$1,286,000***
10*	**062000079***	**Harris County Community Based Catastrophe Insurance***	**Riverine***	**$1,266,000***
11*	**062000080***	**Harris County Flood Control District's Flood Warning System***	**Riverine***	**$1,055,000***

TABLE 5-4: UPDATED COUNT OF TOTAL RECOMMENDED FMXS

FMX	FMX Removed	FMX Added	Original FMX Count	Amended Count	Original Estimated Cost	Amended Total Est. Cost
FME	9	67	405	463	$905,377,000	$956,203,000
FMP	2	38	70	106	$31,685,213,000	$33,030,634,000
FMS	-	11	65	76	$1,199,622,720	$1,320,511,720
Total	11	116	540	645	$33,790,212,720	$35,307,352,720

A.3.4 Changes Made to Chapter 6

The San Jacinto RFPG has recommended an additional 38 FMPS in Amendment #2. **Table 6-1** displays the total reduction in flood exposure for the San Jacinto Region for all of the recommended FMPs.

TABLE 6-1: REDUCTION IN EXISTING FLOOD-IMPACTED AREAS FOLLOWING IMPLEMENTATION

Annual Chance Event Flood Risk		Existing Flood Hazard Area	Reduction in Flood Hazard Area	Percent Reduction
1.0% (100-year)	Total Structures	628,124	130,497	21%
	Residential Structures	529,173	107,840	20%
	Critical Facilities	9,825	2,425	25%
	Population	1,782,827	570,849	56%
	Low Water Crossings (LWCs)	323	26	8%
0.2% (500-year)	Total Structures	441,229	134,041	30%

A.3.5 Changes Made to Chapter 9

The 9 sponsors that submitted projects for the 2023 RFP Amendment #2 were sent the funding survey from the previous rounds of the RFP in order to understand the level of local funding available. This helps to gauge the role needed from the state for funding for these projects. Of the sponsors that were contacted for this round of the amendment, 7 entities responded. For projects where survey responses were not received, the San Jacinto RFPG estimated 100% of the total project costs are required from state and federal sources.

Based on the survey results received to date, an estimated **$26.7* billion** in state and federal funding is needed to implement the FMEs, FMSs, and FMPs recommended in this RFP. **Table 19** in **Appendix 9-2** displays the cost breakdown for all projects recommended, including the total cost, potential sponsor funding, and the additional funding needed to complete the RFP in its entirety.

A.3.6 Changes Made to Chapter 10

The flyer found in **Figure 3-1** was created and sent out to sponsors to solicit interest in participating in the Amendment #2 for the Regional Flood Plan. After receiving the flyer, sponsors were also contacted by the technical consultant to coordinate project delivery.

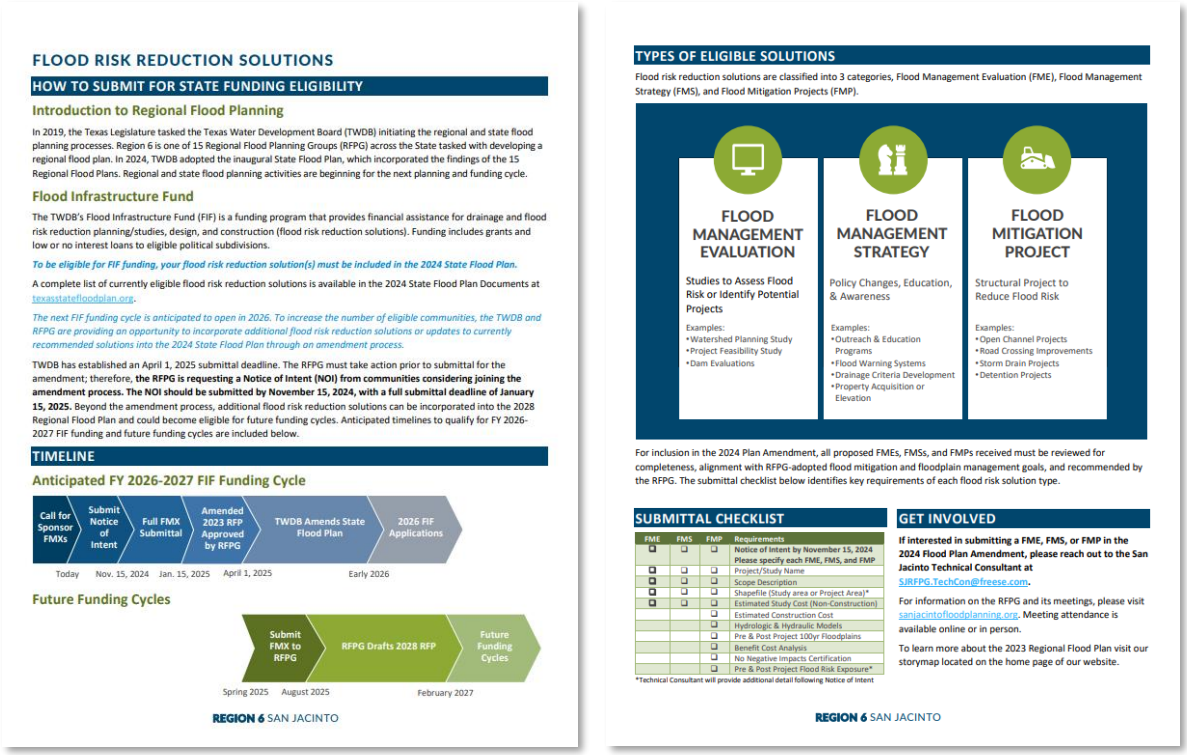


FIGURE 3-1: AMENDMENT #2 OUTREACH FLYER

The San Jacinto RFPG voted to move forward with Amendment #2 on October 10, 2024 and adopted Amendment #2 on March 13, 2025. Public comments on Amendment #2 were available 7 days prior to and 14 days following the adoption meeting on February 20, 2025 and can be found in **Appendix 10-14**. A comment log with comment responses has also been provided in **Appendix 10-13**.

A.4. MODIFICATIONS AND ADDITIONS TO APPENDICES

A.4.1 Exhibit C Tables

A.4.1.1 Recommended Flood Management Evaluations (FME)

The additional 67 recommended FMEs have been added to **Appendix 4-4 Table 12** and **Appendix 5-6 Table 15**. The 9 FMEs that were upgraded to FMPs were changed to no longer be recommended and the 37 modified FMEs have updated descriptions and details in **Table 15**.

A.4.1.2 Recommended Flood Mitigation Projects (FMP)

The additional 38 recommended FMPs have been added to **Appendix 4-5 Table 13** and **Appendix 5-7 Table 16**.

A.4.1.3 Recommended Flood Management Strategies (FMS)

The additional 11 FMSs have been recommended and added to the **Appendix 4-6 Table 14** and **Appendix 5-8 Table 17**.

A.4.1.4 Project Details Workbook

Project details for each of the additional recommended FMPs have been added to **Appendix 5-10.**

A.4.1.5 Funding Survey

Funding Survey results for the additional recommended FMPs have been added to **Appendix 9-2 Table 19.**

A.4.2 No Negative Impacts Table

No Negative Impacts data for the additional recommended FMPs have been added to the table in **Appendix 5-9**.

A.4.3 Changes to List of Models Submitted/Uploaded to MS2

Additional models submitted in support of the additional recommended FMPs have been uploaded to MS2.

A.4.4 Changes to Maps

The following Appendix Maps have been revised for the additional recommended projects.

Map 16: Potential Flood Management Evaluations
Map 17: Potential Flood Mitigation Projects
Map 18: Potential Flood Mitigation Strategies
Map 19: Recommended Flood Mitigation Evaluations
Map 20: Recommended Flood Mitigation Projects
Map 21: Recommended Flood Mitigation Strategies
Map 22: Model Coverage

A.5. MODIFICATIONS AND ADDITIONS TO THE GEODATABASE

A complete geodatabase has been provided in the digital submittal. A summary of revisions is included below and is documented in the Geodatabase log.

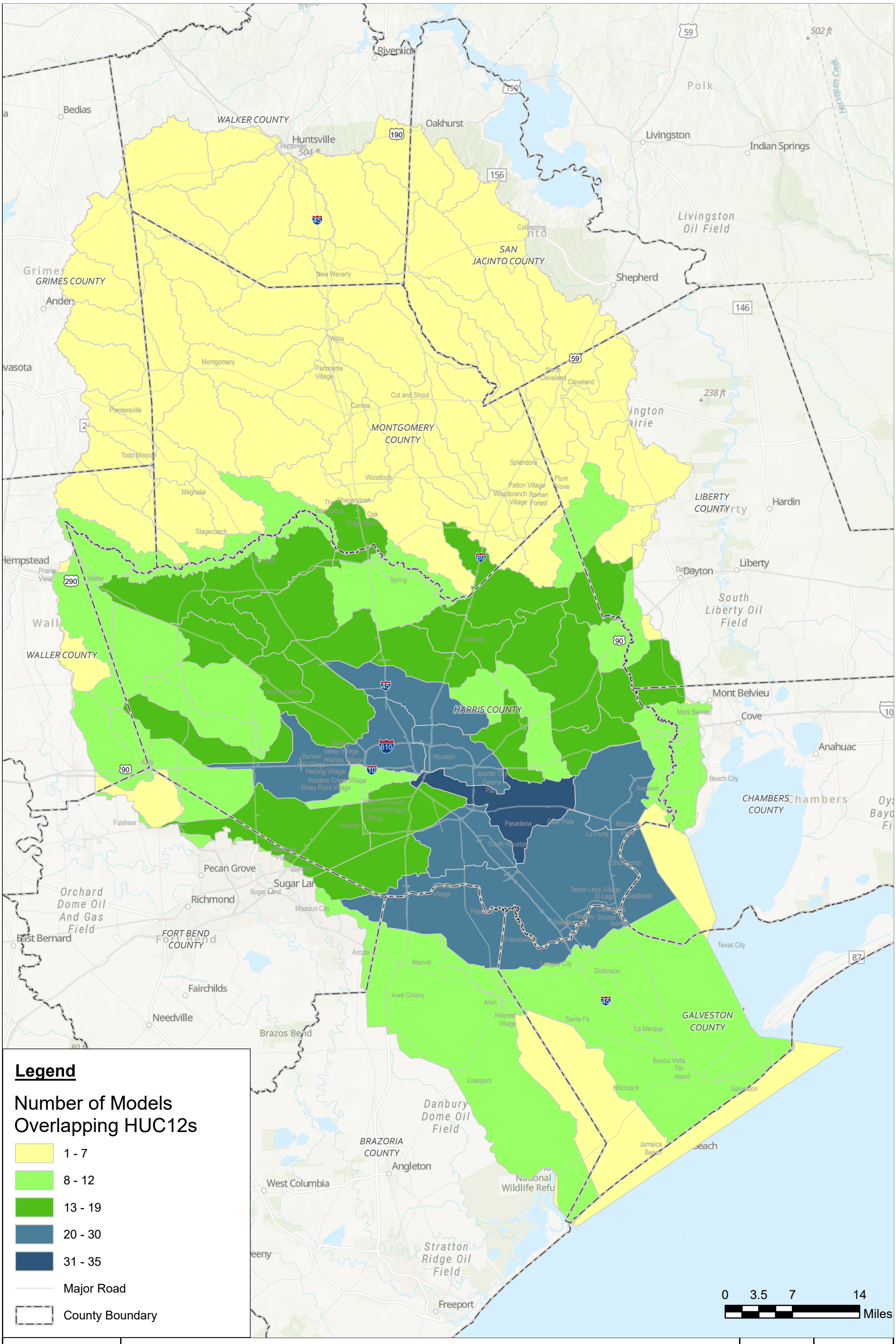
File #	Item Name	Feature Class Name	Revision
1	Entities	Entities	**1 New Feature***
2	Watersheds	Watersheds	No Change
3	Existing Infrastructure	ExFldInfraPol	No Change
4		ExFldInfraLn	No Change
5		ExFldInfraPt	No Change
6	Proposed or Ongoing Flood Mitigation Projects	ExFldProjs	No Change
7	Existing Flood Hazard	ExFldHazard	No Change
8	Flood Mapping Gaps	Ex_Map_Gaps	No Change
9		Fut_Map_Gaps	No Change
10	Model Coverage	ModelCoverage	**32 New Features***
11	Existing Exposure	ExFldExpPol	No Change
12		ExFldExpLn	No Change
13		ExFldExpPt	No Change
14		ExFldExpAll	No Change
15	Future Flood Hazard	FutFldHazard	No Change
16	Future Exposure	FutFldExpPol	No Change
17		FutFldExpLn	No Change
18		FutFldExpPt	No Change
19		FutFldExpAll	No Change
20	Existing Floodplain Management Practices	ExFpMP - Table	No Change
21	Goals	Goals - Table	No Change
22	Streams	Streams	No Change
23	Flood Management Evaluations	FME	**67 new features*** **4 features with updated FME_NAME*** **36 features with updated DESCR*** **1 feature with updated:** **COUNTY*** **HUC8*** **HUC10*** **HUC12*** **WS_ID***

			AREA_SQMI* **RES_STRUCT100*** **POP_DAY100*** **POP_NIGHT100*** **POP100*** **CRITFAC100*** **ROAD_MILES100*** **FARMACRE100*** **34 features with updated ENTITY_ID*** **28 features with updated EMER_NEED*** **2 features with updated:** **FME_TYPE*** **FMP_COST*** **5 features with updated FUND_SRC*** **34 features with updated NEW_MODEL*** **26 features with updated MODEL_EXST*** **23 features with updated SOURCE*** **9 features with updated:** **RECOMMEND*** **REC_DESC***
24	Flood Mitigation Projects	FMP	**38 New Features*** **2 features with updated FMP_NAME*** **1 feature with updated FMP_DESCR*** **34 features with updated ENTITY_ID*** **4 features with updated FUND_SRC*** **1 feature with updated AREA_SQMI*** **1 feature with updated SVI*** **1 feature with updated BC_RATIO*** **1 feature with updated FMP_COST*** **6 features with updated fields:** **ASSOCIATED*** **ASSCFME_ID*** **ASSC_DESC*** **2 features with the following fields updated:** **RECOMMEND*** **REC_DESC***

25	Post Project Hazard	FMP_HazPost	**61 New Features***
26	Project Details	FMP_Details	**38 New Features*** **1 feature removed*** **1 feature updated***
27	Flood Management Strategies	FMS	**11 New Features***

Appendix 2A-9:

Map 22- Model Coverage



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

Model Coverage

MAP 22

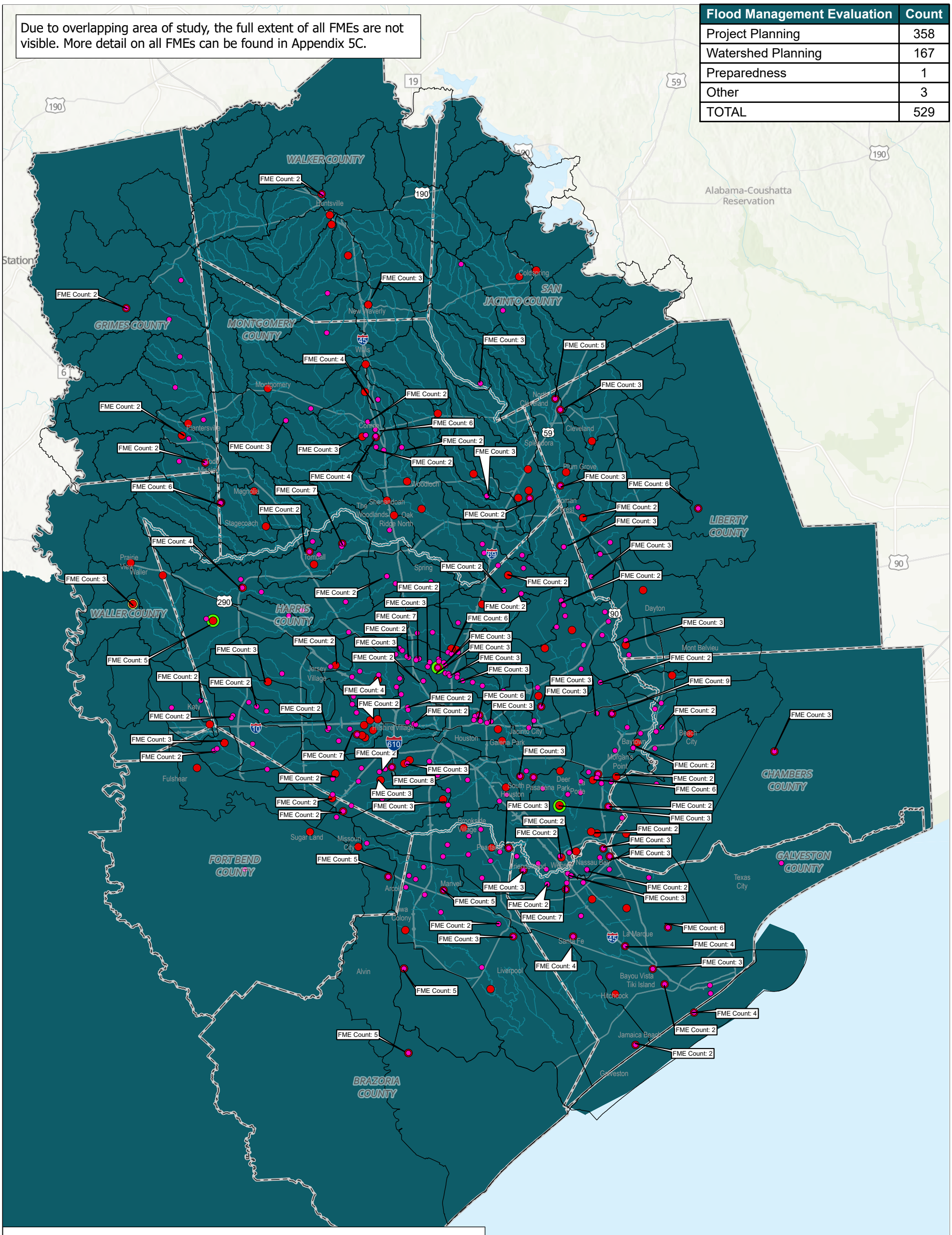
Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet

Appendix 4-1:

Map 16- Potential Flood Management Evaluations

Due to overlapping area of study, the full extent of all FMEs are not visible. More detail on all FMEs can be found in Appendix 5C.

Flood Management Evaluation	Count
Project Planning	358
Watershed Planning	167
Preparedness	1
Other	3
TOTAL	529



Legend

Flood Management Evaluation Type

- Project Planning
- Watershed Planning
- Preparedness
- Other

- FME
- County Boundary
- HUC12 Boundary
- Streams
- Major Road

0 4.5 9 18 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

Potential Flood Management Evaluations

N W E S

MAP 16

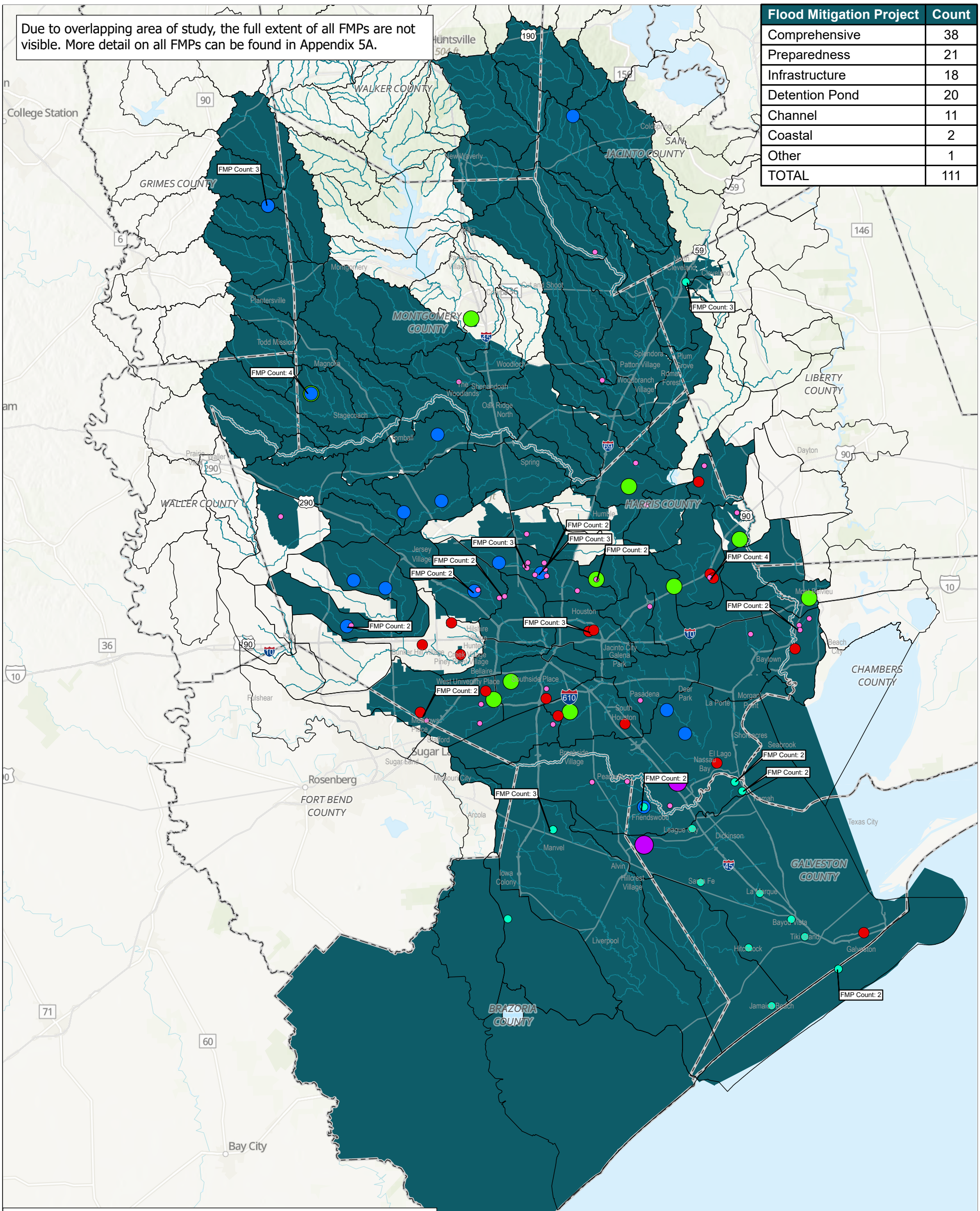
Coordinate System: NAD 1983 (2011) Texas Centric Mapping System Lambert

Appendix 4-2:

Map 17- Potential Flood Mitigation Projects

Due to overlapping area of study, the full extent of all FMPs are not visible. More detail on all FMPs can be found in Appendix 5A.

Flood Mitigation Project	Count
Comprehensive	38
Preparedness	21
Infrastructure	18
Detention Pond	20
Channel	11
Coastal	2
Other	1
TOTAL	111



Legend

Flood Mitigation Project Type

- Comprehensive
- Preparedness
- Infrastructure
- Detention Pond
- Channel
- Coastal
- Other
- FMP
- County Boundary
- HUC12 Boundary
- Streams
- Major Road

0 4 8 16 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP REGION 6

San Jacinto Regional Flood Plan

Potential Flood Mitigation Projects

N W E S

MAP 17

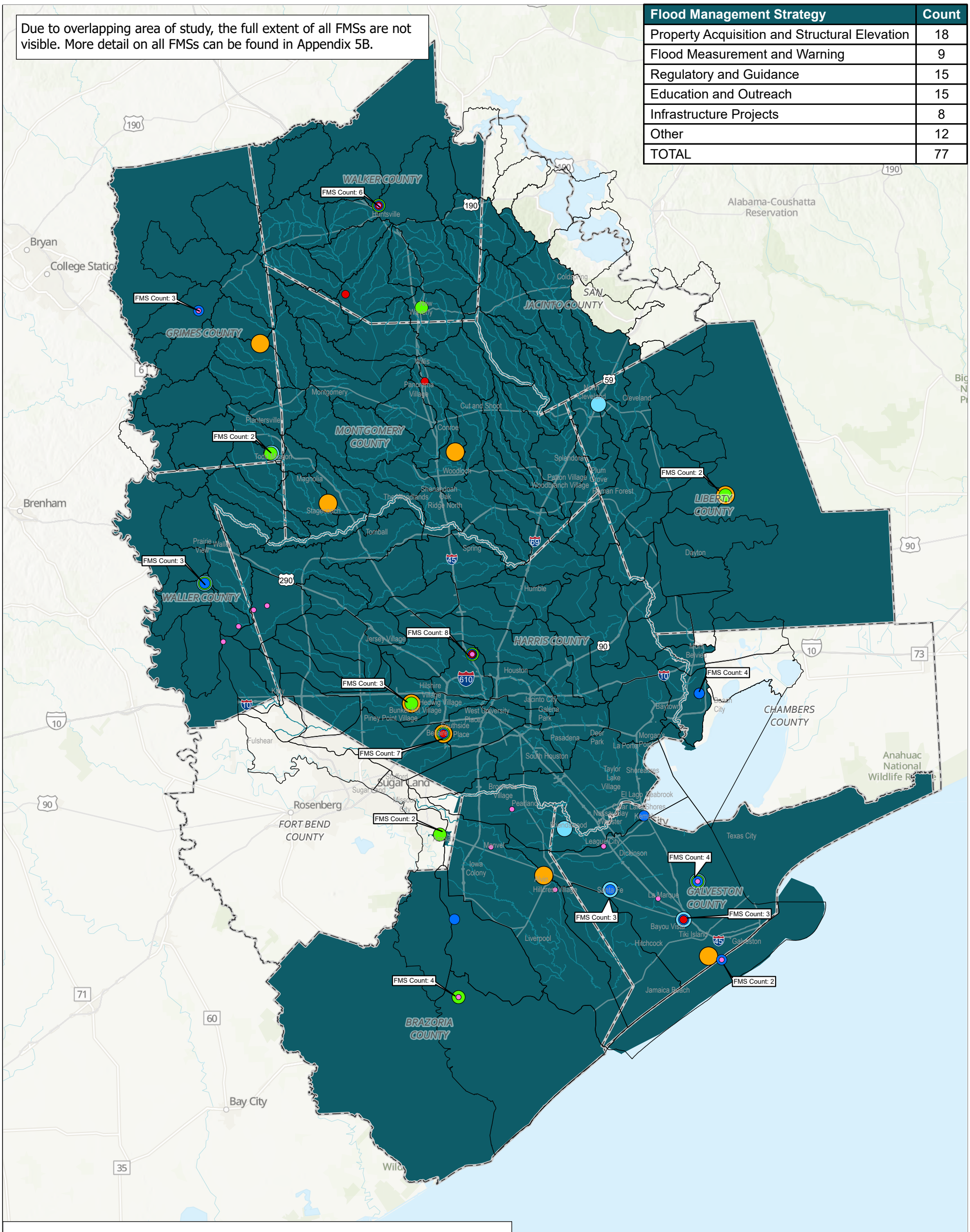
Coordinate System: NAD 1983 (2011) Texas Centric Mapping System Lambert

Appendix 4-3:

Map 18- Potential Flood Management Strategies

Due to overlapping area of study, the full extent of all FMSs are not visible. More detail on all FMSs can be found in Appendix 5B.

Flood Management Strategy	Count
Property Acquisition and Structural Elevation	18
Flood Measurement and Warning	9
Regulatory and Guidance	15
Education and Outreach	15
Infrastructure Projects	8
Other	12
TOTAL	77



Legend

Flood Management Strategy Types

- Property Acquisition and Structural Elevation
- Flood Measurement and Warning
- Regulatory and Guidance
- Education and Outreach
- Infrastructure Projects
- Other
- FMS
- County Boundary
- HUC12 Boundary
- Streams
- Major Road

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

Potential Flood Management Strategies

MAP 18

Coordinate System: NAD 1983 (2011) Texas Centric Mapping System Lambert

Appendix 4-4:

Table 12- Potential FMEs

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000001	Durant Street Storm Sewer and Pavement Improvements - Phase 1	Further study of Durant Street Phase 1 to reduce flood risk with upgrades to storm sewer system, concrete curb, gutter, pavement, and sidewalk.	06000001, 06000011, 06000012, 06000015	Brazoria
061000002	Durant Street Storm Sewer and Pavement Improvements - Phase 2	Further study of Durant Street Phase 2 to reduce flood risk with upgrades to storm sewer system, concrete curb, gutter, pavement, and sidewalk.	06000001, 06000011, 06000012, 06000015	Brazoria
061000003	City of Arcola Regional Drainage Improvements	Further study of proposed flood risk reduction project that includes various drainage improvement alternatives.	06000001, 06000011, 06000012, 06000015	Fort Bend
061000004	City of Stafford Drainage Improvements	Further study of proposed flood risk reduction project that includes drainage improvements to the Stafford Oaks neighborhood.	06000001, 06000011, 06000012, 06000015	Fort Bend
061000005	Missouri City Estates Drainage Improvements	Further study of proposed flood risk reduction project that includes drainage improvements to Missouri City Estates.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris
061000011	City of Galveston Master Drainage Study	City wide drainage and flood risk reduction planning study of Galveston to include Atlas 14 rainfall.	06000001, 06000010, 06000015	Galveston
061000013	City of Bellaire Local Drainage System Asset Management	Study to develop asset management plan / capital improvement plan to repair/replace local drainage infrastructure over time to ensure it is in good working order and meeting the level of service desired by the City.	06000001, 06000011, 06000012, 06000015	Harris
061000014	City of Bellaire Regional Detention Facilities Development	Effort to identify and develop/design regional detention facilities to either provide flood risk reduction or to facilitate the construction of local or regional drainage improvement projects.	06000001, 06000011, 06000012, 06000015	Harris
061000015	City of Bellaire Cypress Ditch Drainage Improvements	Perform engineering services to develop and advance a flood risk reduction project in the Cypress Ditch area, servicing the southern part of the City of Bellaire.	06000001, 06000011, 06000012, 06000015	Harris
061000016	City of Bunker Hill Drainage Projects	Further study of proposed localized and regional flood risk reduction projects within the City of Bunker Hill.	06000001, 06000011, 06000012, 06000015	Harris
061000017	City of Bunker Hill Master Drainage and Stormwater Management Plan	Further study of Master Drainage and Stormwater Management Plan for the City of Bunker Hill to include Atlas 14 rainfall.	06000001, 06000010, 06000015	Harris
061000022	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Dickinson Bayou Alternative 2	Further refine the DB Alt. 2 in the LCCDBFMP (2021), including alternative analysis to McFarland Detention Basin, W Cemetery Rd. Detention Basin, Hilton Detention Basin, Magnolia Bayou & Borden Gully Detention Basins, and Diversion Channel at Desel Dr..	06000001, 06000011, 06000012, 06000015	Brazoria, Galveston, Fort Bend, Chambers, Harris
061000024	Williamsburg Subdivision Drainage Assessment	Further study of a flood risk reduction project in the Williamsburg Subdivision which includes additional detail for the design of a required weir structure.	06000001, 06000011, 06000012, 06000015	Harris
061000025	Preliminary Drainage & Infrastructure Improvements Happy Hide A Way Subdivison	Additional analysis in the Jackson Bayou watershed, specifically along R102-00-00, is needed to determine the necessary improvements and provide a no impact solution.	06000001, 06000011, 06000012, 06000015	Harris
061000026	Bridgewater Village & Enclave at Bridgewater Drainage Analysis	Alternative analysis and assessment of additional protection of basin needed during design to control flows for 100-yr event.	06000001, 06000011, 06000012, 06000015	Harris

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000001	Durant Street Storm Sewer and Pavement Improvements - Phase 1	12040204	120402040200, 120402040400, 120402040100	06000107, 06000109, 06000106	Project Planning	0.0018
061000002	Durant Street Storm Sewer and Pavement Improvements - Phase 2	12040204	120402040200, 120402040400, 120402040100	06000107, 06000109, 06000106	Project Planning	0.0021
061000003	City of Arcola Regional Drainage Improvements	12040204	120402040400	06000109	Project Planning	2.5981
061000004	City of Stafford Drainage Improvements	999999	999999	999999	Project Planning	0.4824
061000005	Missouri City Estates Drainage Improvements	12040104	120401040401	06000083	Project Planning	0.1146
061000011	City of Galveston Master Drainage Study	12040204	120402040300, 120402040200, 120402040400, 120402040500	06000108, 06000107, 06000109, 06000110	Watershed Planning	211.0799
061000013	City of Bellaire Local Drainage System Asset Management	12040104	120401040402, 120401040401	06000084,06000083	Project Planning	3.5850
061000014	City of Bellaire Regional Detention Facilities Development	12040104	120401040402, 120401040401	06000084,06000083	Project Planning	3.5850
061000015	City of Bellaire Cypress Ditch Drainage Improvements	12040104	120401040402, 120401040401	06000084,06000083	Project Planning	3.5850
061000016	City of Bunker Hill Drainage Projects	12040104	120401040303	06000080	Project Planning	1.4367
061000017	City of Bunker Hill Master Drainage and Stormwater Management Plan	12040104	120401040303	06000080	Watershed Planning	1.4367
061000022	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Dickinson Bayou Alternative 2	12040204	120402040300, 120402040200, 120402040400, 120402040500, 120402040100	06000108,06000107,06000109,06000110,06000106	Project Planning	86.0205
061000024	Williamsburg Subdivision Drainage Assessment	12040104	120401040104	06000074	Project Planning	12.7634
061000025	Preliminary Drainage & Infrastructure Improvements Happy Hide A Way Subdivison	12040104	120401040704	06000096	Project Planning	0.2614
061000026	Bridgewater Village & Enclave at Bridgewater Drainage Analysis	12040104	120401040203	06000077	Project Planning	0.1703

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000001	Durant Street Storm Sewer and Pavement Improvements - Phase 1	Urban/Local	City of Alvin	West Brazoria County Drainage District, Brazoria, Alvin, Galveston	No
061000002	Durant Street Storm Sewer and Pavement Improvements - Phase 2	Urban/Local	City of Alvin	West Brazoria County Drainage District, Brazoria, Alvin, Galveston	No
061000003	City of Arcola Regional Drainage Improvements	Urban/Local	City of Arcola	Fort Bend, Arcola	No
061000004	City of Stafford Drainage Improvements	Urban/Local	City of Stafford	Fort Bend, Stafford	No
061000005	Missouri City Estates Drainage Improvements	Urban/Local	City of Stafford	Fort Bend, Stafford, Harris	No
061000011	City of Galveston Master Drainage Study	Coastal, Urban/Local	City of Galveston	Galveston, Galveston	No
061000013	City of Bellaire Local Drainage System Asset Management	Urban/Local	City of Bellaire	Bellaire, Harris County Flood Control District, Harris	No
061000014	City of Bellaire Regional Detention Facilities Development	Urban/Local	City of Bellaire	Bellaire, Harris County Flood Control District, Harris	No
061000015	City of Bellaire Cypress Ditch Drainage Improvements	Urban/Local	City of Bellaire	Bellaire, Harris County Flood Control District, Harris	No
061000016	City of Bunker Hill Drainage Projects	Urban/Local	City of Bunker Hill Village	Bellaire, Harris County Flood Control District, Harris	No
061000017	City of Bunker Hill Master Drainage and Stormwater Management Plan	Urban/Local	City of Bunker Hill Village	Bellaire, Harris County Flood Control District, Harris	No
061000022	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Dickinson Bayou Alternative 2	Riverine, Coastal, Urban/Local	City of League City	Harris, Harris County Flood Control District, Galveston	No
061000024	Williamsburg Subdivision Drainage Assessment	Riverine, Urban/Local	Harris County	Houston, Harris County Flood Control District, Harris, Katy	No
061000025	Preliminary Drainage & Infrastructure Improvements Happy Hide A Way Subdivison	Riverine, Urban/Local	Harris County	Harris County Flood Control District, Harris	No
061000026	Bridgewater Village & Enclave at Bridgewater Drainage Analysis	Riverine, Urban/Local	Harris County	Houston, Harris County Flood Control District, Harris	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000001	Durant Street Storm Sewer and Pavement Improvements - Phase 1	$ 110,000	Bonds/Other Financing (100%)	3521	2664	15,260	16
061000002	Durant Street Storm Sewer and Pavement Improvements - Phase 2	$ 90,000	Bonds/Other Financing (100%)	3521	2664	15,260	16
061000003	City of Arcola Regional Drainage Improvements	$ 233,000		41	37	39	0
061000004	City of Stafford Drainage Improvements	$ 300,000		0	0	0	0
061000005	Missouri City Estates Drainage Improvements	$ 100,000		0	0	0	0
061000011	City of Galveston Master Drainage Study	$ 1,000,000		23114	20363	64,429	504
061000013	City of Bellaire Local Drainage System Asset Management	$ 300,000	Bonds/Other Financing (25%)	5877	5537	25,741	69
061000014	City of Bellaire Regional Detention Facilities Development	$ 1,000,000	Bonds/Other Financing (25%)	5877	5537	25,741	69
061000015	City of Bellaire Cypress Ditch Drainage Improvements	$ 1,000,000	Bonds/Other Financing (25%)	5877	5537	25,741	69
061000016	City of Bunker Hill Drainage Projects	$ 100,000		0	0	0	0
061000017	City of Bunker Hill Master Drainage and Stormwater Management Plan	$ 170,000		0	0	0	0
061000022	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Dickinson Bayou Alternative 2	$ 1,090,000		40129	34104	89,177	636
061000024	Williamsburg Subdivision Drainage Assessment	$ 1,260,000	Harris County Bond Program 2018	2	2	8	0
061000025	Preliminary Drainage & Infrastructure Improvements Happy Hide A Way Subdivison	$ 110,000		0	0	0	0
061000026	Bridgewater Village & Enclave at Bridgewater Drainage Analysis	$ 750,000		0	0	0	0

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000001	Durant Street Storm Sewer and Pavement Improvements - Phase 1	0	0	56.89	258.74		
061000002	Durant Street Storm Sewer and Pavement Improvements - Phase 2	0	0	56.89	258.74		
061000003	City of Arcola Regional Drainage Improvements	0	0	0.22	1.23		
061000004	City of Stafford Drainage Improvements	0	0	0.00	0.00		
061000005	Missouri City Estates Drainage Improvements	0	0	0.00	0.00		
061000011	City of Galveston Master Drainage Study	0	0	422.44	263.71		
061000013	City of Bellaire Local Drainage System Asset Management	0	0	70.92	0.16		
061000014	City of Bellaire Regional Detention Facilities Development	0	0	70.92	0.16		
061000015	City of Bellaire Cypress Ditch Drainage Improvements	0	0	70.92	0.16		
061000016	City of Bunker Hill Drainage Projects	0	0	0.00	0.00		
061000017	City of Bunker Hill Master Drainage and Stormwater Management Plan	0	0	0.00	0.00		
061000022	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Dickinson Bayou Alternative 2	26	26	722.78	2,683.21		
061000024	Williamsburg Subdivision Drainage Assessment	0	0	0.62	6.60		
061000025	Preliminary Drainage & Infrastructure Improvements Happy Hide A Way Subdivison	0	0	0.00	0.00		
061000026	Bridgewater Village & Enclave at Bridgewater Drainage Analysis	0	0	0.01	0.00		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000027	Lake Shadows Subdivision Drainage Improvements	Further study and development of a FMP of recommended alternative 5 which includes installing the Foley trunk line downstream of the pipelines, upsizing and installing new outfalls, and installing the Belle Cote trunk line.	06000001, 06000011, 06000012, 06000015	Harris
061000028	Gum Gully Rd, W Stroker Rd, Wigwam Ln, and Related Infrastructure Drainage Improvements	Further study as report recommendation (2019) indicates that regional drainage improvements to the streams must be studied and implemented before Harris County can obtain a benefit from roadway drainage improvements.	06000001, 06000011, 06000012, 06000015	Harris
061000029	Spanish Cove Subdivision Drainage Assessment	Additional analysis needed to confirm no negative effects. It is expected the larger channel can safely convey the increase in flows, but this must be demonstrated during the project design phase.	06000001, 06000011, 06000012, 06000015	Harris
061000031	Shoreacres Drainage Assessment	Further analysis necessary to determine downstream impacts and whether any additional volume in A104-11-00 would be available during a coincident event on Taylor Bayou.	06000001, 06000011, 06000012, 06000015	Chambers, Harris
061000032	Overflow Flooding between Burlington Northern RR and Huffsmith-Kohrville Rd	Willow Creek - Overflow Flooding between Burlington Northern Railroad and Hufsmith-Kohrville Rd	06000001, 06000011, 06000012, 06000015	Harris
061000034	Galveston Bay Watershed Plan - Analysis of PA07 100-year Conveyance Project	Galveston Bay Watershed Plan - Analysis of PA07 100-year Conveyance Project	06000001, 06000011, 06000012, 06000015	Chambers, Harris
061000035	Galveston Bay Watershed Plan - Analysis of PA08 100-year Conveyance Project	Galveston Bay Watershed Plan - Analysis of PA08 100-year Conveyance Project	06000001, 06000011, 06000012, 06000015	Chambers, Harris
061000037	City of Alvin Flood Gauges	Study to identify areas where best to purchase additional flood gauges to be placed at bayous and key high water areas within City of Alvin.	06000001, 06000011, 06000012, 06000015	Brazoria, Galveston, Fort Bend
061000038	Brazoria County Costal River Flood Extent Analysis	Study to determine flood extents, in Brazoria County, of recent hurricane disasters, by analyzing the post event aerial imagery through a GIS image classification process, and compare the flood extent area to other sources, such as LIDAR.	06000001, 06000010, 06000015	Brazoria
061000039	City of Alvin Master Drainage Plan	Comprehensive review of current drainage, studies and recommendations for future projects and studies to create a Master Drainage Plan for the City of Alvin.	06000001, 06000011, 06000012, 06000015	Brazoria, Galveston, Fort Bend
061000040	City of Alvin Open Space Preservation	Study for open space preservation within adjacent development, dedication of conservation easements or fee simple acquisition of land along Mustang Bayou.	06000001, 06000010, 06000015	Brazoria, Galveston, Fort Bend
061000041	City of Manvel SH. 6 Drainage Improvements	Further study of state Highway 6 drainage improvements, including storm sewer upgrades to meet current capacities, ditch deepening, and sub regional detention ponds. Project will also widen and reshape ditches, and upgrade culverts.	06000001, 06000011, 06000012, 06000015	Brazoria
061000042	Chambers County Dam and Levee Failure Inundation Map Update	Further study for all participating jurisdiction to update dam and levee failure inundation maps, and update floodplain and floodway maps throughout the county. The updated maps will also be made available to the public.	06000001, 06000010, 06000015	Chambers

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000027	Lake Shadows Subdivision Drainage Improvements	12040101, 12040104	120401010502, 120401040704	06000025,06000096	Project Planning	1.4440
061000028	Gum Gully Rd, W Stroker Rd, Wigwam Ln, and Related Infrastructure Drainage Improvements	12040104	120401040704	06000096	Project Planning	0.5034
061000029	Spanish Cove Subdivision Drainage Assessment	12040101, 12040104	120401010502, 120401040704	06000025,06000096	Project Planning	0.7938
061000031	Shoreacres Drainage Assessment	12040204	120402040100	06000106	Project Planning	0.9584
061000032	Overflow Flooding between Burlington Northern RR and Huffsmith-Kohrville Rd	12040102	120401020106, 120401020105, 120401020205, 120401020210, 120401020209, 120401020212	06000031,06000030,06000037,06000042,06000041,06000044	Project Planning	2.1739
061000034	Galveston Bay Watershed Plan - Analysis of PA07 100-year Conveyance Project	12040204, 12040104	120401040706, 120402040100	06000098,06000106	Project Planning	19.2930
061000035	Galveston Bay Watershed Plan - Analysis of PA08 100-year Conveyance Project	12040204, 12040104	120401040706, 120402040100	06000098,06000106	Project Planning	19.2930
061000037	City of Alvin Flood Gauges	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Project Planning	25.0883
061000038	Brazoria County Costal River Flood Extent Analysis	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Watershed Planning	1481.8698
061000039	City of Alvin Master Drainage Plan	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Watershed Planning	25.0883
061000040	City of Alvin Open Space Preservation	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Watershed Planning	25.0883
061000041	City of Manvel SH. 6 Drainage Improvements	12040204	120402040200, 120402040400, 120402040100	06000107,06000109,06000106	Project Planning	27.4094
061000042	Chambers County Dam and Levee Failure Inundation Map Update	12040203	120402030105, 120402030104, 120402030106, 120402030200	06000103,06000102,06000104,06000105	Watershed Planning	865.5478

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000027	Lake Shadows Subdivision Drainage Improvements	Urban/Local	Harris County	Harris County Flood Control District, Harris	No
061000028	Gum Gully Rd, W Stroker Rd, Wigwam Ln, and Related Infrastructure Drainage Improvements	Riverine, Urban/Local	Harris County	Harris County Flood Control District, Harris	No
061000029	Spanish Cove Subdivision Drainage Assessment	Riverine, Urban/Local	Harris County	Harris County Flood Control District, Harris	No
061000031	Shoreacres Drainage Assessment	Riverine, Urban/Local	City of Shoreacres	Shoreacres, Harris County Flood Control District, Harris	No
061000032	Overflow Flooding between Burlington Northern RR and Huffsmith-Kohrville Rd	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Tomball, Harris County Flood Control District, Harris	Yes
061000034	Galveston Bay Watershed Plan - Analysis of PA07 100-year Conveyance Project	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	La Porte, Harris County Flood Control District, Harris	Yes
061000035	Galveston Bay Watershed Plan - Analysis of PA08 100-year Conveyance Project	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	La Porte, Harris County Flood Control District, Harris	Yes
061000037	City of Alvin Flood Gauges	Urban/Local	City of Alvin	Brazos River Authority, West Brazoria County Drainage District, Alvin	No
061000038	Brazoria County Costal River Flood Extent Analysis	Riverine	Brazoria County	Brazos River Authority, West Brazoria County Drainage District, Brazoria, Gulf Coast Protection District	No
061000039	City of Alvin Master Drainage Plan	Urban/Local	City of Alvin	West Brazoria County Drainage District, Brazoria, Alvin	No
061000040	City of Alvin Open Space Preservation	Riverine, Urban/Local	City of Alvin	West Brazoria County Drainage District, Brazoria, Alvin	No
061000041	City of Manvel SH. 6 Drainage Improvements	Urban/Local	City of Manvel	West Brazoria County Drainage District, Brazoria, Manvel	No
061000042	Chambers County Dam and Levee Failure Inundation Map Update	Urban/Local	Chambers County	Gulf Coast Protection District, Chambers, Liberty County Water Control District 1	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000027	Lake Shadows Subdivision Drainage Improvements	$ 280,000		41	38	149	0
061000028	Gum Gully Rd, W Stroker Rd, Wigwam Ln, and Related Infrastructure Drainage Improvements	$ 130,000	Harris County Bond Program 2018	3	0	4	0
061000029	Spanish Cove Subdivision Drainage Assessment	$ 150,000		0	0	0	0
061000031	Shoreacres Drainage Assessment	$ 100,000		801	787	2,148	3
061000032	Overflow Flooding between Burlington Northern RR and Huffsmith-Kohrville Rd	$ 590,000		10	0	8	0
061000034	Galveston Bay Watershed Plan - Analysis of PA07 100-year Conveyance Project	$ 400,000		3301	2855	8,623	107
061000035	Galveston Bay Watershed Plan - Analysis of PA08 100-year Conveyance Project	$ 800,000		3301	2855	8,623	107
061000037	City of Alvin Flood Gauges	$ 50,000	Other (50%)	3445	2605	15,192	16
061000038	Brazoria County Costal River Flood Extent Analysis	$ 50,000		18836	14338	38,615	246
061000039	City of Alvin Master Drainage Plan	$ 100,000	Entity/ Budget Funds (50%)	3445	2605	15,192	16
061000040	City of Alvin Open Space Preservation	$ 500,000	Other (0%)	3445	2605	15,192	16
061000041	City of Manvel SH. 6 Drainage Improvements	$ 3,000,000		1249	965	6,741	8
061000042	Chambers County Dam and Levee Failure Inundation Map Update	$ 25,000		151	56	715	0

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000027	Lake Shadows Subdivision Drainage Improvements	0	0	0.00	0.48		
061000028	Gum Gully Rd, W Stroker Rd, Wigwam Ln, and Related Infrastructure Drainage Improvements	0	0	0.06	0.00		
061000029	Spanish Cove Subdivision Drainage Assessment	0	0	0.00	0.00		
061000031	Shoreacres Drainage Assessment	1	1	17.17	0.23		
061000032	Overflow Flooding between Burlington Northern RR and Huffsmith-Kohrville Rd	1	1	0.51	2.66		
061000034	Galveston Bay Watershed Plan - Analysis of PA07 100-year Conveyance Project	0	0	55.06	17.82		
061000035	Galveston Bay Watershed Plan - Analysis of PA08 100-year Conveyance Project	0	0	55.06	17.82		
061000037	City of Alvin Flood Gauges	0	0	56.81	262.30		
061000038	Brazoria County Costal River Flood Extent Analysis	0	0	328.07	8,584.16		
061000039	City of Alvin Master Drainage Plan	0	0	56.81	262.30		
061000040	City of Alvin Open Space Preservation	0	0	56.81	262.30		
061000041	City of Manvel SH. 6 Drainage Improvements	0	0	43.32	178.81		
061000042	Chambers County Dam and Levee Failure Inundation Map Update	0	0	7.30	354.08		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000043	City of Alvin Detention Pond Construction - Mustang and Dickinson Bayou	Further assessment and design of detention ponds needed along Mustang and Dickinson Bayous to reduce flood risk in the City of Alvin.	06000001, 06000011, 06000012, 06000015	Brazoria, Galveston, Fort Bend
061000044	Chambers County Property Protection	Study to determine flood risk reduction potential of clearing obstacles, widen and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding throughout all participating jurisdictions.	06000001, 06000011, 06000012, 06000015	Chambers
061000045	City of Manvel Flora St. Drainage Improvements	Study of possbile Flora Street drainage improvements: widen and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding in Manvel neighborhoods.	06000001, 06000011, 06000012, 06000015	Brazoria
061000046	Brazoria County Drainage Improvements	Drainage study needed and evaluated of alternatives include: Widen and reshape drainage ditches, and upgrade culverts to restore adequate drainage to mitigate flooding.	06000001, 06000011, 06000012, 06000015	Brazoria
061000047	City of Manvel Various Drainage Improvements	Study of various drainage improvements, including storm sewer rehabilitation and ditch deepening.	06000001, 06000011, 06000012, 06000015	Brazoria
061000048	Brazoria County Property Protection	Further study required to assess alternatives to restore drainage and mitigate flooding throughout the county.	06000001, 06000011, 06000012, 06000015	Brazoria
061000049	City of Hillcrest Village Drainage Improvements	Further study and FMP developement required to assess alternatives to restore drainage and mitigate flooding throughout the City of Hillcrest Village.	06000001, 06000011, 06000012, 06000015	Brazoria
061000050	West Chocolate Bayou (CR 383 Ditch)	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	06000001, 06000011, 06000012, 06000015	Brazoria, Fort Bend
061000051	West Fork Chocolate (Cold River Ranch Ditch)	Further study of proposed channel modifications to Cold River Ranch Ditch included in the City of Pearland master drainage plan to include Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Brazoria
061000052	West Fork Chocolate Bayou	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	06000001, 06000011, 06000012, 06000015	Brazoria, Fort Bend
061000053	East Chocolate Bayou (E103-00-00)	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	06000001, 06000011, 06000012, 06000015	Brazoria
061000054	Cannon Ditch Segment 2	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	06000001, 06000011, 06000012, 06000015	Brazoria
061000055	City of Galveston Coastal Road Elevation	Elevate coastal roads to better protect public during evacuation and to protect the roads from flood damage, where feasible.	06000001, 06000011, 06000012, 06000015	Galveston
061000056	Mary's Creek Lower Segment	Study to develop project into a FMP. Project will provide a 25-year LOS; Channel modifications from SH35 to downstream of Pearland Pkwy. and 1670 ac-ft mitigation.	06000001, 06000011, 06000012, 06000015	Brazoria, Galveston
061000057	Hickory Slough (Upper Segment)	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	06000001, 06000011, 06000012, 06000015	Brazoria
061000059	City of Manvel Gates Loop Subdivision Drainage Improvement	Further study proposed Gates Loop subdivision drainage improvement.	06000001, 06000011, 06000012, 06000015	Brazoria

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000043	City of Alvin Detention Pond Construction - Mustang and Dickinson Bayou	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Project Planning	25.0883
061000044	Chambers County Property Protection	12040203	120402030105, 120402030104, 120402030106, 120402030200	06000103,06000102,06000104,06000105	Project Planning	865.5478
061000045	City of Manvel Flora St. Drainage Improvements	12040204	120402040200, 120402040400, 120402040100	06000107,06000109,06000106	Project Planning	27.4094
061000046	Brazoria County Drainage Improvements	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Project Planning	1481.8698
061000047	City of Manvel Various Drainage Improvements	12040204	120402040200, 120402040400, 120402040100	06000107,06000109,06000106	Project Planning	27.4094
061000048	Brazoria County Property Protection	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Project Planning	1481.8698
061000049	City of Hillcrest Village Drainage Improvements	12040204	120402040400	06000109	Project Planning	0.4382
061000050	West Chocolate Bayou (CR 383 Ditch)	12040204	120402040400	06000109	Project Planning	3.3721
061000051	West Fork Chocolate (Cold River Ranch Ditch)	12040204	120402040400	06000109	Project Planning	1.6085
061000052	West Fork Chocolate Bayou	12040204	120402040400	06000109	Project Planning	13.8918
061000053	East Chocolate Bayou (E103-00-00)	12040204	120402040400	06000109	Project Planning	0.4864
061000054	Cannon Ditch Segment 2	12040204	120402040200, 120402040100	06000107,06000106	Project Planning	5.7086
061000055	City of Galveston Coastal Road Elevation	12040204	120402040300, 120402040200, 120402040400, 120402040500	06000108,06000107,06000109,06000110	Project Planning	211.0799
061000056	Mary's Creek Lower Segment	12040204	120402040100	06000106	Project Planning	1.1477
061000057	Hickory Slough (Upper Segment)	12040204	120402040100	06000106	Project Planning	4.7450
061000059	City of Manvel Gates Loop Subdivision Drainage Improvement	12040204	120402040400	06000109	Project Planning	0.0456

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FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000043	City of Alvin Detention Pond Construction - Mustang and Dickinson Bayou	Riverine	City of Alvin	Montgomery, Conroe	No
061000044	Chambers County Property Protection	Urban/Local	Chambers County	Chambers, Trinity River Authority of Texas, Liberty County Water Control District 1	No
061000045	City of Manvel Flora St. Drainage Improvements	Urban/Local	City of Manvel	Montgomery, Conroe	No
061000046	Brazoria County Drainage Improvements	Urban/Local	Brazoria County	Montgomery, Conroe	No
061000047	City of Manvel Various Drainage Improvements	Urban/Local	City of Manvel	Montgomery, Conroe	No
061000048	Brazoria County Property Protection	Urban/Local	Brazoria County	Montgomery, Conroe	No
061000049	City of Hillcrest Village Drainage Improvements	Urban/Local	City of Hillcrest Village	Montgomery, Conroe	No
061000050	West Chocolate Bayou (CR 383 Ditch)	Riverine	Brazoria Drainage District 4	Montgomery, Conroe	No
061000051	West Fork Chocolate (Cold River Ranch Ditch)	Riverine	Brazoria Drainage District 4	West Brazoria County Drainage District, Brazoria, Manvel, Iowa Colony	No
061000052	West Fork Chocolate Bayou	Riverine	Brazoria Drainage District 4	Brazoria, Manvel, Fort Bend, Arcola, Iowa Colony, West Brazoria County Drainage District	No
061000053	East Chocolate Bayou (E103-00-00)	Riverine	Brazoria Drainage District 4	West Brazoria County Drainage District, Brazoria, Iowa Colony	No
061000054	Cannon Ditch Segment 2	Riverine	Brazoria Drainage District 4	West Brazoria County Drainage District, Brazoria, Pearland, Manvel	No
061000055	City of Galveston Coastal Road Elevation	Coastal	City of Galveston	Galveston, Galveston	No
061000056	Mary's Creek Lower Segment	Riverine	City of Pearland	Brazoria, Pearland, Friendswood, Galveston, West Brazoria County Drainage District	No
061000057	Hickory Slough (Upper Segment)	Riverine	City of Pearland	West Brazoria County Drainage District, Brazoria, Pearland	No
061000059	City of Manvel Gates Loop Subdivision Drainage Improvement	Urban/Local	City of Manvel	West Brazoria County Drainage District, Brazoria, Manvel	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000043	City of Alvin Detention Pond Construction - Mustang and Dickinson Bayou	$ 200,000	Entity/ Budget Funds (25%)	3445	2605	15,192	16
061000044	Chambers County Property Protection	$ 500,000		151	56	715	0
061000045	City of Manvel Flora St. Drainage Improvements	$ 100,000		1249	965	6,741	8
061000046	Brazoria County Drainage Improvements	$ 350,000		18836	14338	38,615	246
061000047	City of Manvel Various Drainage Improvements	$ 460,000		1249	965	6,741	8
061000048	Brazoria County Property Protection	$ 500,000		18836	14338	38,615	246
061000049	City of Hillcrest Village Drainage Improvements	$ 130,000		128	121	333	1
061000050	West Chocolate Bayou (CR 383 Ditch)	$ 253,000		0	0	0	0
061000051	West Fork Chocolate (Cold River Ranch Ditch)	$ 200,000		60	54	56	0
061000052	West Fork Chocolate Bayou	$ 2,072,000		295	239	393	0
061000053	East Chocolate Bayou (E103-00-00)	$ 48,000		0	0	0	0
061000054	Cannon Ditch Segment 2	$ 932,000		572	342	641	0
061000055	City of Galveston Coastal Road Elevation	$ 1,000,000		21848	19133	64,299	500
061000056	Mary's Creek Lower Segment	$ 2,436,000	Other	75	60	435	1
061000057	Hickory Slough (Upper Segment)	$ 1,136,000	Other	413	91	915	4
061000059	City of Manvel Gates Loop Subdivision Drainage Improvement	$ 100,000		0	0	0	0

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000043	City of Alvin Detention Pond Construction - Mustang and Dickinson Bayou	0	0	56.81	262.30		
061000044	Chambers County Property Protection	0	0	7.30	354.08		
061000045	City of Manvel Flora St. Drainage Improvements	0	0	43.32	178.81		
061000046	Brazoria County Drainage Improvements	0	0	328.07	8,584.16		
061000047	City of Manvel Various Drainage Improvements	0	0	43.32	178.81		
061000048	Brazoria County Property Protection	0	0	328.07	8,584.16		
061000049	City of Hillcrest Village Drainage Improvements	0	0	2.08	0.14		
061000050	West Chocolate Bayou (CR 383 Ditch)	0	0	0.02	0.05		
061000051	West Fork Chocolate (Cold River Ranch Ditch)	0	0	1.20	0.45		
061000052	West Fork Chocolate Bayou	0	0	6.01	157.04		
061000053	East Chocolate Bayou (E103-00-00)	0	0	0.02	0.00		
061000054	Cannon Ditch Segment 2	0	0	2.78	26.85		
061000055	City of Galveston Coastal Road Elevation	0	0	408.63	260.89		
061000056	Mary's Creek Lower Segment	1	1	2.64	0.45		
061000057	Hickory Slough (Upper Segment)	0	0	1.57	6.49		
061000059	City of Manvel Gates Loop Subdivision Drainage Improvement	0	0	0.00	0.00		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000060	Hickory Slough Middle Segment	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	06000001, 06000011, 06000012, 06000015	Brazoria
061000061	Mary's Creek Upper Segment	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	06000001, 06000011, 06000012, 06000015	Brazoria
061000063	Mary's Creek Middle Segment	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	06000001, 06000011, 06000012, 06000015	Brazoria
061000064	Mustang Bayou Middle Segment	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	06000001, 06000011, 06000012, 06000015	Brazoria, Fort Bend
061000065	Hickory Slough Lower Segment	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	06000001, 06000011, 06000012, 06000015	Brazoria
061000066	Mustang Bayou Upper Segment	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	06000001, 06000011, 06000012, 06000015	Fort Bend
061000067	City of Alvin Dickinson Bayou Watershed Study	Study of Dickinson Bayou Watershed to determine drainage improvement alternatives.	06000001, 06000010, 06000015	Brazoria, Galveston, Fort Bend
061000069	City of Galveston Shoreline Protection	Further study and FMP development of a proposed shoreline protection for areas prone to coastal erosion.	06000001, 06000011, 06000012, 06000015	Galveston
061000070	Cowart Creek Segment 16	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	06000001, 06000011, 06000012, 06000015	Brazoria
061000071	City of Galveston Dune Restoration	Study of dune system to determine needs and flood damage reduction potential of restoration.	06000001, 06000011, 06000012, 06000015	Galveston
061000072	City of Hillcrest Village Engineering Survey	Conduct an engineering assessment to establish proper drainage for 24 Homes located in the high risk flood Zone.	06000001, 06000011, 06000012, 06000015	Brazoria
061000076	Dredging Cedar Bayou	Study of proposed Cedar Bayou dredging to determine flood risk reduction potential.	06000001, 06000011, 06000012, 06000015	Chambers
061000078	Dam and Levee Failure Inundation Map Update	Study by each jurisdiction to update their dam and levee failure inundation maps to identify the probability and impact of a dam and levee failures.	06000001, 06000010, 06000015	Brazoria
061000080	Replace the Tiki Drive bridge with improved, hardened bridge to withstand storm surge and debris.	Further study of proposed Tiki Drive bridge modifications.	06000001, 06000011, 06000012, 06000015	Galveston
061000082	Stream and River Flood Program	Conduct a flood mitigation outreach program using information from the river and stream flood study to increase awareness of specific riverine flooding problems and provide guidance on mitigation in affected communities.	06000001, 06000007, 06000010, 06000015	Waller

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000060	Hickory Slough Middle Segment	12040204	120402040100	06000106	Project Planning	1.8332
061000061	Mary's Creek Upper Segment	12040204	120402040100	06000106	Project Planning	5.2012
061000063	Mary's Creek Middle Segment	12040204	120402040100	06000106	Project Planning	4.2275
061000064	Mustang Bayou Middle Segment	12040204	120402040400	06000109	Project Planning	5.3506
061000065	Hickory Slough Lower Segment	12040204	120402040100	06000106	Project Planning	1.0118
061000066	Mustang Bayou Upper Segment	12040204	120402040400, 120402040100	06000109, 06000106	Project Planning	7.0702
061000067	City of Alvin Dickinson Bayou Watershed Study	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000107, 06000109, 06000106	Watershed Planning	25.0883
061000069	City of Galveston Shoreline Protection	12040204	120402040300, 120402040200, 120402040400, 120402040500	06000108, 06000107, 06000109, 06000110	Project Planning	211.0799
061000070	Cowart Creek Segment 16	12040204	120402040100	06000106	Project Planning	2.1803
061000071	City of Galveston Dune Restoration	12040204	120402040300, 120402040200, 120402040400, 120402040500	06000108, 06000107, 06000109, 06000110	Project Planning	211.0799
061000072	City of Hillcrest Village Engineering Survey	12040204	120402040400	06000109	Project Planning	0.4382
061000076	Dredging Cedar Bayou	12040203	120402030105, 120402030104, 120402030106, 120402030200	06000103, 06000102, 06000104, 06000105	Project Planning	44.2277
061000078	Dam and Levee Failure Inundation Map Update	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000107, 06000109, 06000106	Watershed Planning	1481.8698
061000080	Replace the Tiki Drive bridge with improved, hardened bridge to withstand storm surge and debris.	12040204	120402040200	06000107	Project Planning	1.5865
061000082	Stream and River Flood Program	12040102, 12040104	120401020102, 120401020103, 120401020204, 120401020101, 120401020201, 120401020202, 120401020203, 120401020205, 120401020207, 120401020206, 120401040102, 120401040103, 120401040101, 120401040203	06000027,06000028,06000036,06000026,06000033,06000034,06000035,06000037,06000039,06000038,06000072,06000073,06000071,06000077	Preparedness	515.9483

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000060	Hickory Slough Middle Segment	Riverine	City of Pearland	Brookside Village, West Brazoria County Drainage District, Brazoria, Pearland	No
061000061	Mary's Creek Upper Segment	Riverine	City of Pearland	West Brazoria County Drainage District, Brazoria, Pearland	No
061000063	Mary's Creek Middle Segment	Riverine	City of Pearland	West Brazoria County Drainage District, Brazoria, Pearland	No
061000064	Mustang Bayou Middle Segment	Riverine	Brazoria Drainage District 4	Brazoria, Pearland, Manvel, Fort Bend, West Brazoria County Drainage District	No
061000065	Hickory Slough Lower Segment	Riverine	City of Pearland	West Brazoria County Drainage District, Brazoria, Pearland	No
061000066	Mustang Bayou Upper Segment	Riverine	Brazoria Drainage District 4	Houston, Fort Bend, Missouri City	No
061000067	City of Alvin Dickinson Bayou Watershed Study	Riverine	City of Alvin	West Brazoria County Drainage District, Brazoria, Alvin	No
061000069	City of Galveston Shoreline Protection	Coastal	City of Galveston	Galveston, Galveston	No
061000070	Cowart Creek Segment 16	Riverine	City of Pearland	West Brazoria County Drainage District, Brazoria, Pearland	No
061000071	City of Galveston Dune Restoration	Coastal, Urban/Local	City of Galveston	Galveston, Galveston	No
061000072	City of Hillcrest Village Engineering Survey	Urban/Local	City of Hillcrest Village	Hillcrest Village, West Brazoria County Drainage District, Brazoria	No
061000076	Dredging Cedar Bayou	Riverine	Chambers County	Mont Belvieu, Baytown, Chambers, Liberty County Water Control District 1	No
061000078	Dam and Levee Failure Inundation Map Update	Urban/Local	Brazoria County	West Brazoria County Drainage District, Brazoria, Gulf Coast Protection District	No
061000080	Replace the Tiki Drive bridge with improved, hardened bridge to withstand storm surge and debris.	Urban/Local	City of Tiki Island	Tiki Island, Galveston	No
061000082	Stream and River Flood Program	Riverine, Urban/Local	Waller County	Brazos River Authority, Houston, San Jacinto River Authority, Waller, Waller, Katy, Prairie View, Gulf Coast Protection District	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000060	Hickory Slough Middle Segment	$ 864,000	Other	353	215	1,275	0
061000061	Mary's Creek Upper Segment	$ 460,000	Other	0	0	0	0
061000063	Mary's Creek Middle Segment	$ 628,000	Other	994	745	2,344	5
061000064	Mustang Bayou Middle Segment	$ 1,212,000		256	201	1,668	1
061000065	Hickory Slough Lower Segment	$ 1,048,000	Other	424	377	1,097	0
061000066	Mustang Bayou Upper Segment	$ 2,040,000		415	367	771	0
061000067	City of Alvin Dickinson Bayou Watershed Study	$ 500,000	Entity/ Budget Funds (25%)	3445	2605	15,192	16
061000069	City of Galveston Shoreline Protection	$ 50,000		21848	19133	64,299	500
061000070	Cowart Creek Segment 16	$ 40,000	Other	150	123	278	0
061000071	City of Galveston Dune Restoration	$ 1,000,000		21848	19133	64,299	500
061000072	City of Hillcrest Village Engineering Survey	$ 300,000		128	121	333	1
061000076	Dredging Cedar Bayou	$ 7,070,000		119	44	677	0
061000078	Dam and Levee Failure Inundation Map Update	$ 2,200,000		18836	14338	38,615	246
061000080	Replace the Tiki Drive bridge with improved, hardened bridge to withstand storm surge and debris.	$ 220,000		1006	978	1,681	6
061000082	Stream and River Flood Program	$ 20,000	General Revenue (50%)	1064	705	1,858	6

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000060	Hickory Slough Middle Segment	0	0	4.09	8.21		
061000061	Mary's Creek Upper Segment	0	0	0.00	0.00		
061000063	Mary's Creek Middle Segment	0	0	19.29	9.74		
061000064	Mustang Bayou Middle Segment	0	0	5.62	39.30		
061000065	Hickory Slough Lower Segment	0	0	6.26	4.77		
061000066	Mustang Bayou Upper Segment	3	3	4.48	19.52		
061000067	City of Alvin Dickinson Bayou Watershed Study	0	0	56.81	262.30		
061000069	City of Galveston Shoreline Protection	0	0	408.63	260.89		
061000070	Cowart Creek Segment 16	0	0	1.11	7.82		
061000071	City of Galveston Dune Restoration	0	0	408.63	260.89		
061000072	City of Hillcrest Village Engineering Survey	0	0	2.08	0.14		
061000076	Dredging Cedar Bayou	0	0	6.30	341.09		
061000078	Dam and Levee Failure Inundation Map Update	0	0	328.07	8,584.16		
061000080	Replace the Tiki Drive bridge with improved, hardened bridge to withstand storm surge and debris.	0	0	9.64	3.92		
061000082	Stream and River Flood Program	19	19	40.92	1,357.32		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000083	Liberty County Drainage Projects	Further study of proposed drainage projects throughout the county-including adding ditches, detention ponds and detention basins in identified locations throughout the county in order to improve drainage.	06000001, 06000011, 06000012, 06000015	Liberty
061000084	City of Bayou Vista Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000010, 06000015	Galveston
061000085	Cane Island Branch- Alt 2	Further study and FMP development of proposed channel modifications to Cane Island Branch including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris, Waller
061000086	Property Protection, Structural Project	Generate base flood elevation data for flood map revisions. Use floodplain study to identify future mitigation activities to improve water ways and flood carrying capacities. Area to include approximately 4 miles of floodway in New Waverly.	06000001, 06000011, 06000012, 06000015	Walker
061000087	City of La Maque - East Side Storm water detention	Feasibility study and a drainage analysis of the new pond row acquisition and associated conveyance improvements on a part of 10 acres of land.	06000001, 06000011, 06000012, 06000015	Galveston
061000088	City of League City - Kansas Street Drainage	Further study and FMP development of proposed street drainage modifications to Kansas Street.	06000001, 06000011, 06000012, 06000015	Galveston, Harris
061000089	Update City of Friendswood Storm Surge Maps to Reflect the NWS Predictions	Study to update city storm surge maps based upon the NWS predicted storm surge and projected track for landfall. The new maps may more accurately display water depth in areas within the city.	06000001, 06000010, 06000015	Galveston, Harris
061000090	City of Bayou Vista - Storm Sewer System Evaluation	Storm sewer system evaluation to determine reconstruction/upgrade needs to increase water flow.	06000001, 06000011, 06000012, 06000015	Galveston
061000091	City of Friendswood - Comprehensive Flood Mitigation Plan	Study to update city floodplain maps and develop flood mitigation plan.	06000001, 06000010, 06000015	Galveston, Harris
061000094	City of Sante Fe - Storm Water Detention & Widening Drainage System and Cuvlerts Study	Study to plan for storm sewer detention and drainage system modifications.	06000001, 06000011, 06000012, 06000015	Galveston
061000096	City of Friendswood - Devils Dip	Further study and design of modifications along Mary's creek bridge and channel.	06000001, 06000011, 06000012, 06000015	Galveston, Harris
061000097	League City - Stormwater Drainage Improvement-Interurban & Newport ditch	Further study of proposed slope paving (concrete lining) improvements.	06000001, 06000011, 06000012, 06000015	Galveston, Harris
061000098	Study of Texas City Hurricane Flood Protection Project	Corp of Engineers study of the Texas City Hurricane Flood Protection Project to improve the current levee system to provide protection from category 5 storm.	06000001, 06000011, 06000012, 06000015	Galveston
061000101	Fort Bend County - Big Creek Project	Further study of Big Creek channel improvements and wetland mitigation sites.	06000001, 06000011, 06000012, 06000015	Fort Bend
061000102	Raise Road Surfaces in City of Plum Grove	Further evaluation of road surface elevation.	06000001, 06000011, 06000012, 06000015	Liberty

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000083	Liberty County Drainage Projects	12040103, 12040203	120401030201, 120401030108, 120401030109, 120401030205, 120401030402, 120401030203, 120401030204, 120401030202, 120401030401, 120402030104, 120402030103, 120402030102, 120402030101	06000056,06000053,06000054,06000060,06000070,06000058,06000059,06000057,06000069,06000102,06000101,06000100,06000099	Project Planning	1169.7637
061000084	City of Bayou Vista Master Drainage Plan	12040204	120402040200	06000107	Watershed Planning	0.4474
061000085	Cane Island Branch- Alt 2	12040102, 12040104	120401020103, 120401040102, 120401040103, 120401040104, 120401040101, 120401040203	06000028, 06000072, 06000073, 06000074, 06000071, 06000077	Project Planning	14.5212
061000086	Property Protection, Structural Project	12040103	120401030101	06000046	Watershed Planning	2.2131
061000087	City of La Maque - East Side Storm water detention	12040204	120402040200	06000107	Project Planning	14.2328
061000088	City of League City - Kansas Street Drainage	12040204	120402040200, 120402040100	06000107,06000106	Project Planning	52.8882
061000089	Update City of Friendswood Storm Surge Maps to Reflect the NWS Predictions	12040204	120402040200, 120402040100	06000107,06000106	Watershed Planning	20.8292
061000090	City of Bayou Vista - Storm Sewer System Evaluation	12040204	120402040200	06000107	Project Planning	0.4474
061000091	City of Friendswood - Comprehensive Flood Mitigation Plan	12040204	120402040200, 120402040100	06000107,06000106	Watershed Planning	20.8292
061000094	City of Sante Fe - Storm Water Detention & Widening Drainage System and Cuvlerts Study	12040204	120402040300, 120402040200	06000108, 06000107	Project Planning	17.0353
061000096	City of Friendswood - Devils Dip	12040204	120402040200, 120402040100	06000107, 06000106	Project Planning	20.8292
061000097	League City - Stormwater Drainage Improvement- Interurban & Newport ditch	12040204	120402040200, 120402040100	06000107, 06000106	Project Planning	52.8882
061000098	Study of Texas City Hurricane Flood Protection Project	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Project Planning	664.9483
061000101	Fort Bend County - Big Creek Project	12040204, 12040104	120401040102, 120401040103, 120401040104, 120401040101, 120401040401, 120401040501, 120402040400, 120402040100	06000072, 06000073, 06000074, 06000071, 06000083, 06000085, 06000109, 06000106	Project Planning	882.7230
061000102	Raise Road Surfaces in City of Plum Grove	12040103	120401030402	06000070	Project Planning	3.6131

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000083	Liberty County Drainage Projects	Urban/Local	Liberty County	Mont Belvieu, Liberty, Cleveland, Plum Grove, North Cleveland, Dayton, Liberty County Water Control District 1	No
061000084	City of Bayou Vista Master Drainage Plan	Urban/Local	City of Bayou Vista	Bayou Vista, Galveston	Yes
061000085	Cane Island Branch- Alt 2	Urban/Local	Waller County	Waller, Fort Bend, Katy, Harris, Harris County Flood Control District	No
061000086	Property Protection, Structural Project	Urban/Local	City of New Waverly	New Waverly, Walker	No
061000087	City of La Maque - East Side Storm water detention	Urban/Local	City of La Marque	La Marque, Galveston	No
061000088	City of League City - Kansas Street Drainage	Urban/Local	City of League City	League City, Harris, Galveston	No
061000089	Update City of Friendswood Storm Surge Maps to Reflect the NWS Predictions	Coastal	City of Friendswood	Friendswood, Harris, Harris County Flood Control District, Galveston	No
061000090	City of Bayou Vista - Storm Sewer System Evaluation	Urban/Local	City of Bayou Vista	Bayou Vista, Galveston	No
061000091	City of Friendswood - Comprehensive Flood Mitigation Plan	Urban/Local	City of Friendswood	Harris, Harris County Flood Control District, Galveston	No
061000094	City of Sante Fe - Storm Water Detention & Widening Drainage System and Cuvlerts Study	Urban/Local	City of Santa Fe	Santa Fe, Galveston	No
061000096	City of Friendswood - Devils Dip	Riverine	City of Friendswood	Friendswood, Harris, Harris County Flood Control District, Galveston	No
061000097	League City - Stormwater Drainage Improvement-Interurban & Newport ditch	Urban/Local	City of League City	Harris, Harris County Flood Control District, Galveston	No
061000098	Study of Texas City Hurricane Flood Protection Project	Coastal, Urban/Local	Galveston County	Galveston	No
061000101	Fort Bend County - Big Creek Project	Riverine	Fort Bend County Drainage District	Fort Bend	No
061000102	Raise Road Surfaces in City of Plum Grove	Urban/Local	City of Plum Grove	Plum Grove, Liberty	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000083	Liberty County Drainage Projects	$ 2,000,000		3614	2268	3,574	8
061000084	City of Bayou Vista Master Drainage Plan	$ 130,000		1122	1095	1,476	3
061000085	Cane Island Branch- Alt 2	$ 3,270,000	General Revenue (10%)	650	572	1,840	8
061000086	Property Protection, Structural Project	$ 2,500,000		23	18	19	0
061000087	City of La Maque - East Side Storm water detention	$ 360,000		829	767	1,455	8
061000088	City of League City - Kansas Street Drainage	$ 580,000		5251	4835	13,675	25
061000089	Update City of Friendswood Storm Surge Maps to Reflect the NWS Predictions	$ 140,000		1680	1601	4,640	1
061000090	City of Bayou Vista - Storm Sewer System Evaluation	$ 130,000		1122	1095	1,476	3
061000091	City of Friendswood - Comprehensive Flood Mitigation Plan	$ 140,000		1680	1601	4,640	1
061000094	City of Sante Fe - Storm Water Detention & Widening Drainage System and Cuvlerts Study	$ 300,000		399	306	748	0
061000096	City of Friendswood - Devils Dip	$ 410,000		1680	1601	4,640	1
061000097	League City - Stormwater Drainage Improvement-Interurban & Newport ditch	$ 50,000		5251	4835	13,675	25
061000098	Study of Texas City Hurricane Flood Protection Project	$ 1,590,000		48545	42165	102,745	667
061000101	Fort Bend County - Big Creek Project	$ 200,000		1539	1208	3,408	11
061000102	Raise Road Surfaces in City of Plum Grove	$ 35,000		362	266	484	1

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000083	Liberty County Drainage Projects	7	7	144.17	1,379.48		
061000084	City of Bayou Vista Master Drainage Plan	0	0	7.71	0.00		
061000085	Cane Island Branch- Alt 2	5	5	10.09	119.10		
061000086	Property Protection, Structural Project	0	0	0.48	0.89		
061000087	City of La Maque - East Side Storm water detention	1	1	31.12	37.85		
061000088	City of League City - Kansas Street Drainage	2	2	104.57	1,308.20		
061000089	Update City of Friendswood Storm Surge Maps to Reflect the NWS Predictions	5	5	37.73	18.38		
061000090	City of Bayou Vista - Storm Sewer System Evaluation	0	0	7.71	0.00		
061000091	City of Friendswood - Comprehensive Flood Mitigation Plan	5	5	37.73	18.38		
061000094	City of Sante Fe - Storm Water Detention & Widening Drainage System and Cuvlerts Study	9	9	4.13	12.13		
061000096	City of Friendswood - Devils Dip	5	5	37.73	18.38		
061000097	League City - Stormwater Drainage Improvement- Interurban & Newport ditch	2	2	104.57	1,308.20		
061000098	Study of Texas City Hurricane Flood Protection Project	30	30	910.36	3,412.03		
061000101	Fort Bend County - Big Creek Project	6	6	17.79	122.13		
061000102	Raise Road Surfaces in City of Plum Grove	0	0	8.99	9.22		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000103	Highland Terrace Drainage	Further study of slope paving a portion of the drainage ditch north of FM 518, with probable wetland mitigation and lowering pavement section of Highland Terrace Drive.	06000001, 06000011, 06000012, 06000015	Galveston, Harris
061000104	Sunmeadow Drainage Improvements Phase 2	Further study of component of 1993 master Drainage Plan Phase 1. Initial phase of project completed in 2005. Upsizing storm sewer system to reduce potential flooding. Include Atlas 14 rainfalls.	06000001, 06000011, 06000012, 06000015	Galveston
061000105	City of Friendswood - Tributary 2 Drainage/Outfall Improvements	Further study of component of 2004 TXDOT study to include Atlas 14 rainfalls.	06000001, 06000011, 06000012, 06000015	Galveston, Harris
061000107	Storm water detention ponds & Widening of drainage systems feasibility study	Study of area to identify problem areas and recommend flood mitigation alternatives that consider detention ponds & widening drainage systems.	06000001, 06000011, 06000012, 06000015	Galveston
061000115	Stormwater Drainage Improvement- Nottingham ditch	Further study of proposed slope paving (concrete lining) improvements. Still in planning, consultant hired. Design complete and pending construction funding.	06000001, 06000011, 06000012, 06000015	Galveston, Harris
061000116	Remedy Data Deficiency in City of New Waverly	Conduct a proper risk assessment of the dams residents suspect are causing upstream flooding, and determine all potential inundation areas.	06000001, 06000010, 06000015	Walker
061000117	City of Bayou Vista - Drainage Improvement Program	Study to develop drainage improvement program to reduce standing water and runoff, and reduce minor flooding for residents located in District No. 12.	06000001, 06000011, 06000012, 06000015	Galveston
061000118	Stormwater Drainage Improvement- Bradshaw Rd	Further study of proposed slope paving (concrete lining) improvements. Southwest from SH 3 to the north line of CCISD's Elem. School #25. Pending Funding.	06000001, 06000011, 06000012, 06000015	Galveston, Harris
061000119	Shellside Drainage Improvements	Further study of proposed drainage improvements to Shellside.	06000001, 06000011, 06000012, 06000015	Galveston, Harris
061000120	Evaluation of Culvert Enlargement and Bridge Elevation in Grimes County	Study to identify flood-prone areas and mitigate the flooding problem by enlarging culverts under roads and bridges.	06000001, 06000011, 06000012, 06000015	Grimes
061000121	Widen Drainage Systems and Culverts in City of Kemah	Further study to widen drainage systems and increase culvert size to accommodate increased water flows. Coordinate efforts with water district.	06000001, 06000011, 06000012, 06000015	Galveston, Chambers
061000122	Widen Drainage Systems and Culverts in City of Clear Lake Shores	Further study to widen drainage systems and increase culvert size to accommodate increased water flows. Coordinate efforts with water district.	06000001, 06000011, 06000012, 06000015	Galveston, Harris
061000123	FM518 Drainage Improvements- Phase 2	Further study of component of 2007 Master Drainage Plan to include Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Galveston, Harris
061000124	Replace Existing Culverts in City of Arcola	Evaluation of proposed culvert replacement.	06000001, 06000011, 06000012, 06000015	Fort Bend

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000103	Highland Terrace Drainage	12040204	120402040200, 120402040100	06000107,06000106	Project Planning	52.8882
061000104	Sunmeadow Drainage Improvements Phase 2	12040204	120402040100	06000106	Project Planning	0.2340
061000105	City of Friendswood - Tributary 2 Drainage/Outfall Improvements	12040204	120402040200, 120402040100	06000107,06000106	Project Planning	20.8292
061000107	Storm water detention ponds & Widening of drainage systems feasibility study	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000107 ,06000109, 06000106	Project Planning	664.9483
061000115	Stormwater Drainage Improvement- Nottingham ditch	12040204	120402040200, 120402040100	06000107,06000106	Project Planning	52.8882
061000116	Remedy Data Deficiency in City of New Waverly	12040103	120401030101	06000046	Watershed Planning	2.2131
061000117	City of Bayou Vista - Drainage Improvement Program	12040204	120402040200	06000107	Project Planning	0.4514
061000118	Stormwater Drainage Improvement- Bradshaw Rd	12040204	120402040200, 120402040100	06000107,06000106	Project Planning	52.8882
061000119	Shellside Drainage Improvements	12040204	120402040200, 120402040100	06000107,06000106	Project Planning	52.8882
061000120	Evaluation of Culvert Enlargement and Bridge Elevation in Grimes County	12040102, 12040101	120401010101, 120401010301, 120401010302, 120401010303, 120401010103, 120401010304, 120401010305, 120401010306, 120401020202, 120401020203, 120401020207, 120401020206	06000001, 06000012, 06000013, 06000014, 06000003, 06000015, 06000016, 06000017, 06000034, 06000035, 06000039, 06000038	Project Planning	798.8737
061000121	Widen Drainage Systems and Culverts in City of Kemah	12040204	120402040200, 120402040100	06000107,06000106	Project Planning	1.9078
061000122	Widen Drainage Systems and Culverts in City of Clear Lake Shores	12040204	120402040100	06000106	Project Planning	0.7104
061000123	FM518 Drainage Improvements- Phase 2	12040204	120402040200, 120402040100	06000107,06000106	Project Planning	20.8292
061000124	Replace Existing Culverts in City of Arcola	12040204	120402040400	06000109	Project Planning	2.5981

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000103	Highland Terrace Drainage	Urban/Local	City of League City	League City, Harris, Harris County Flood Control District, Galveston	No
061000104	Sunmeadow Drainage Improvements Phase 2	Urban/Local	City of Friendswood	Galveston, Galveston County Consolidated Drainage District, Gulf Coast Waste Disposal Authority, Houston-Galveston Area Council, Gulf Coast Water Authority, Gulf Coast Protection District	No
061000105	City of Friendswood - Tributary 2 Drainage/Outfall Improvements	Urban/Local	City of Friendswood	Harris, Harris County Flood Control District, Galveston	No
061000107	Storm water detention ponds & Widening of drainage systems feasibility study	Urban/Local	Galveston County	League City, Kemah, Seabrook, Tiki Island, Friendswood, Texas City, Santa Fe, La Marque, Hitchcock, Bayou Vista, Galveston, Nassau Bay, Clear Lake Shores, Jamaica Beach, Dickinson	No
061000115	Stormwater Drainage Improvement- Nottingham ditch	Urban/Local	City of League City	League City, Harris, Harris County Flood Control District, Galveston	No
061000116	Remedy Data Deficiency in City of New Waverly	Urban/Local	City of New Waverly	New Waverly, Walker	No
061000117	City of Bayou Vista - Drainage Improvement Program	Urban/Local	City of Bayou Vista	Bayou Vista, Galveston	No
061000118	Stormwater Drainage Improvement- Bradshaw Rd	Urban/Local	City of League City	Harris, Harris County Flood Control District, Galveston	No
061000119	Shellside Drainage Improvements	Urban/Local	City of League City	Harris, Harris County Flood Control District, Galveston	No
061000120	Evaluation of Culvert Enlargement and Bridge Elevation in Grimes County	Urban/Local	Grimes County	Grimes, Todd Mission, Plantersville	No
061000121	Widen Drainage Systems and Culverts in City of Kemah	Urban/Local	City of Kemah	Kemah, Chambers, Galveston	No
061000122	Widen Drainage Systems and Culverts in City of Clear Lake Shores	Urban/Local	City of Clear Lake Shores	Clear Lake Shores, Galveston	No
061000123	FM518 Drainage Improvements- Phase 2	Urban/Local	City of Friendswood	Harris, Harris County Flood Control District, Galveston	No
061000124	Replace Existing Culverts in City of Arcola	Urban/Local	City of Arcola	Fort Bend, Arcola	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000103	Highland Terrace Drainage	$ 190,000		5251	4835	13,675	25
061000104	Sunmeadow Drainage Improvements Phase 2	$ 160,000		0	0	0	0
061000105	City of Friendswood - Tributary 2 Drainage/Outfall Improvements	$ 170,000		1680	1601	4,640	1
061000107	Storm water detention ponds & Widening of drainage systems feasibility study	$ 11,000,000		48545	42165	102,745	667
061000115	Stormwater Drainage Improvement- Nottingham ditch	$ 50,000		5251	4835	13,675	25
061000116	Remedy Data Deficiency in City of New Waverly	$ 100,000		23	18	19	0
061000117	City of Bayou Vista - Drainage Improvement Program	$ 100,000		1123	1095	1,477	3
061000118	Stormwater Drainage Improvement- Bradshaw Rd	$ 50,000		5251	4835	13,675	25
061000119	Shellside Drainage Improvements	$ 580,000		204	192	802	0
061000120	Evaluation of Culvert Enlargement and Bridge Elevation in Grimes County	$ 750,000		144	75	95	0
061000121	Widen Drainage Systems and Culverts in City of Kemah	$ 100,000		562	425	2,792	7
061000122	Widen Drainage Systems and Culverts in City of Clear Lake Shores	$ 100,000		633	529	2,597	4
061000123	FM518 Drainage Improvements- Phase 2	$ 410,000		1680	1601	4,640	1
061000124	Replace Existing Culverts in City of Arcola	$ 200,000		41	37	39	0

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000103	Highland Terrace Drainage	2	2	104.57	1,308.20		
061000104	Sunmeadow Drainage Improvements Phase 2	0	0	0.00	0.00		
061000105	City of Friendswood - Tributary 2 Drainage/Outfall Improvements	5	5	37.73	18.38		
061000107	Storm water detention ponds & Widening of drainage systems feasibility study	30	30	910.36	3,412.03		
061000115	Stormwater Drainage Improvement- Nottingham ditch	2	2	104.57	1,308.20		
061000116	Remedy Data Deficiency in City of New Waverly	0	0	0.48	0.89		
061000117	City of Bayou Vista - Drainage Improvement Program	0	0	7.47	0.00		
061000118	Stormwater Drainage Improvement- Bradshaw Rd	2	2	104.57	1,308.20		
061000119	Shellside Drainage Improvements	0	0	2.51	1.46		
061000120	Evaluation of Culvert Enlargement and Bridge Elevation in Grimes County	1	1	10.81	151.28		
061000121	Widen Drainage Systems and Culverts in City of Kemah	0	0	12.01	0.73		
061000122	Widen Drainage Systems and Culverts in City of Clear Lake Shores	0	0	8.83	0.00		
061000123	FM518 Drainage Improvements- Phase 2	5	5	37.73	18.38		
061000124	Replace Existing Culverts in City of Arcola	0	0	0.22	1.23		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000125	Update Liberty County Floodplain Maps	Study by participating jurisdictions to update floodway maps throughout the county, including Atlas 14 rainfalls.	06000001, 06000010, 06000015	Chambers, Harris, Liberty, Montgomery, San Jacinto
061000129	Waller County Flood Damage Prevention Planning	Establish watershed-based planning and studies to address flood hazards with neighborhing and constituent communities.	06000001, 06000010, 06000015	Waller
061000130	Hostetter and Gourd Creek Bridges Elevation Evaluation	Further study to elevate and install culverts on Hostetter and Gourd Creek roadways to prevent flooding and/or flood damage on roadway.	06000001, 06000011, 06000012, 06000015	Montgomery, San Jacinto, Walker
061000131	Implemention Study of Storm Sewer System Re-engineering in City of Kemah	Study of storm sewer system re-engineering and follow-up construction project to mitigate flood related impacts.	06000001, 06000010, 06000015	Galveston, Chambers
061000134	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	Review findings of potential breach to dam/levee system and develop/implement mitigation actions as applicable.	06000001, 06000011, 06000012, 06000015	Galveston
061000135	Recanalization Feasibility Study	Dechannelize existing feeder creeks that flow from north to south and improve drainage for strom water runoff.	06000001, 06000011, 06000012, 06000015	Liberty
061000136	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	Review findings of potential breach to dam/levee system and develop/implement mitigation actions as applicable.	06000001, 06000011, 06000012, 06000015	Liberty
061000137	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	Review findings of potential breach to dam/levee system and develop/implement mitigation actions as applicable.	06000001, 06000011, 06000012, 06000015	Galveston, Harris
061000138	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	Review findings of potential breach to dam/levee system and develop/implement mitigation actions as applicable.	06000001, 06000011, 06000012, 06000015	Galveston
061000139	City of Arcola Regional Drainage Improvements	Study of repetitive loss and possbile drainage improvements.	06000001, 06000011, 06000012, 06000015	Fort Bend
061000140	Elevate Existing Bridge - East Fork San Jacinto River	Evaluate, Design and construct new bridge over east fork san jacinto river on low water bridge road to reduce flooding.	06000001, 06000011, 06000012, 06000015	Liberty
061000141	Southwood Forest Subdivision and Forgotten Forest Subdivision Evaluation	Study to develop a community-wide drainage system in Southwood Forest Subdivision and Forgotten Forest Subdivision.	06000001, 06000011, 06000012, 06000015	Walker
061000142	Shadowbend Drainage Improvements Phase 2	Further study of component of 1993 master Drainage Plan Phase 1 to include Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Galveston, Harris
061000143	City of Todd Mission Reduction of Floodplain Area Roads and Drainage Upgrade	Analysis of potential upgrades to be made to floodplain-area roads and drainage to reduce flood risk.	06000001, 06000011, 06000012, 06000015	Grimes

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000125	Update Liberty County Floodplain Maps	12040103, 12040203	120401030108, 120401030109, 120401030201, 120401030202, 120401030203, 120401030204, 120401030205, 120401030401, 120401030402, 120402030101, 120402030102, 120402030103, 120402030104	06000053,06000054,06000056,06000057,06000058,06000059,06000060,06000069,06000070,06000099,06000100,06000101,06000102	Watershed Planning	1169.7637
061000129	Waller County Flood Damage Prevention Planning	12040102, 12040104	120401020102, 120401020103, 120401020204, 120401020101, 120401020201, 120401020202, 120401020203, 120401020205, 120401020207, 120401020206, 120401040102, 120401040103, 120401040101, 120401040203	06000027,06000028,06000036,06000026,06000033,06000034,06000035,06000037,06000039,06000038,06000072,06000073,06000071,06000077	Watershed Planning	515.9483
061000130	Hostetter and Gourd Creek Bridges Elevation Evaluation	12040101, 12040103	120401010202, 120401010204, 120401030101, 120401030301, 120401030302	06000006, 06000008, 06000046, 06000061, 06000062	Project Planning	76.3347
061000131	Implemention Study of Storm Sewer System Re-engineering in City of Kemah	12040204	120402040200, 120402040100	06000107,06000106	Watershed Planning	1.9078
061000134	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Project Planning	664.9483
061000135	Recanalization Feasibility Study	12040103, 12040203	120401030201, 120401030108, 120401030109, 120401030205, 120401030402, 120401030203, 120401030204, 120401030202, 120401030401, 120402030104, 120402030103, 120402030102, 120402030101	06000056,06000053,06000054,06000060,06000070,06000058,06000059,06000057,06000069,06000102,06000101,06000100,06000099	Project Planning	1169.7637
061000136	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	12040103	120401030201, 120401030401	06000056,06000069	Project Planning	1.9086
061000137	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	12040204	120402040100	06000106	Project Planning	0.7104
061000138	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	12040204	120402040200	06000107	Project Planning	14.2328
061000139	City of Arcola Regional Drainage Improvements	12040204	120402040400	06000109	Project Planning	2.5981
061000140	Elevate Existing Bridge - East Fork San Jacinto River	12040103	120401030201, 120401030401	06000056,06000069	Project Planning	1.9086
061000141	Southwood Forest Subdivision and Forgotten Forest Subdivision Evaluation	12040101	120401010202	06000006	Project Planning	0.2859
061000142	Shadowbend Drainage Improvements Phase 2	12040204	120402040200, 120402040100	06000107,06000106	Project Planning	20.8292
061000143	City of Todd Mission Reduction of Floodplain Area Roads and Drainage Upgrade	12040102	120401020203, 120401020206	06000035,06000038	Project Planning	2.0043

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FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000125	Update Liberty County Floodplain Maps	Riverine	Liberty County	Mont Belvieu, Liberty, Cleveland, Plum Grove, North Cleveland, Dayton, Gulf Coast Protection District, Liberty County Water Control District 1	No
061000129	Waller County Flood Damage Prevention Planning	Urban/Local	Waller County	Houston, Waller, Prairie View, Katy, Waller	No
061000130	Hostetter and Gourd Creek Bridges Elevation Evaluation	Urban/Local	Walker County	New Waverly, Walker, Willis	No
061000131	Implemention Study of Storm Sewer System Re-engineering in City of Kemah	Urban/Local	City of Kemah	Kemah, Chambers, Galveston	No
061000134	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	Urban/Local	Galveston County	Galveston	No
061000135	Recanalization Feasibility Study	Riverine, Urban/Local	Liberty County	Trinity River Authority of Texas, Liberty, San Jacinto River Authority, Gulf Coast Protection District, Liberty County Water Control District 1	No
061000136	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	Urban/Local	Galveston County	Kemah, Galveston	No
061000137	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	Urban/Local	City of Clear Lake Shores	Clear Lake Shores, Galveston	No
061000138	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	Urban/Local	City of La Marque	La Marque, Galveston	No
061000139	City of Arcola Regional Drainage Improvements	Urban/Local	City of Arcola	Fort Bend, Arcola	No
061000140	Elevate Existing Bridge - East Fork San Jacinto River	Riverine	City of North Cleveland	North Cleveland, Liberty	No
061000141	Southwood Forest Subdivision and Forgotten Forest Subdivision Evaluation	Urban/Local	Walker County	Walker	No
061000142	Shadowbend Drainage Improvements Phase 2	Urban/Local	City of Friendswood	Friendswood, Harris, Harris County Flood Control District, Galveston	No
061000143	City of Todd Mission Reduction of Floodplain Area Roads and Drainage Upgrade	Urban/Local	City of Todd Mission	Grimes, Todd Mission	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000125	Update Liberty County Floodplain Maps	$ 1,243,000		3614	2268	3,574	8
061000129	Waller County Flood Damage Prevention Planning	$ 1,160,000	General Revenue (25%)	1064	705	1,858	6
061000130	Hostetter and Gourd Creek Bridges Elevation Evaluation	$ 130,000		1168	1022	1,882	0
061000131	Implemention Study of Storm Sewer System Re-engineering in City of Kemah	$ 190,000		562	425	2,792	7
061000134	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	$ 1,590,000		48545	42165	102,745	667
061000135	Recanalization Feasibility Study	$ 486,000		3614	2268	3,574	8
061000136	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	$ 190,000		52	37	42	0
061000137	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	$ 140,000		633	529	2,597	4
061000138	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	$ 360,000		829	767	1,455	8
061000139	City of Arcola Regional Drainage Improvements	$ 520,000		41	37	39	0
061000140	Elevate Existing Bridge - East Fork San Jacinto River	$ 1,000,000		52	37	42	0
061000141	Southwood Forest Subdivision and Forgotten Forest Subdivision Evaluation	$ 110,000		13	13	5	0
061000142	Shadowbend Drainage Improvements Phase 2	$ 950,000	Entity/ Budget Funds	1680	1601	4,640	1
061000143	City of Todd Mission Reduction of Floodplain Area Roads and Drainage Upgrade	$ 220,000		17	11	16	0

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000125	Update Liberty County Floodplain Maps	7	7	144.17	1,379.48		
061000129	Waller County Flood Damage Prevention Planning	19	19	40.92	1,357.32		
061000130	Hostetter and Gourd Creek Bridges Elevation Evaluation	2	2	10.23	25.46		
061000131	Implemention Study of Storm Sewer System Re-engineering in City of Kemah	0	0	12.01	0.73		
061000134	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	30	30	910.36	3,412.03		
061000135	Recanalization Feasibility Study	7	7	144.17	1,379.48		
061000136	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	0	0	3.31	6.18		
061000137	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	0	0	8.83	0.00		
061000138	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	1	1	31.12	37.85		
061000139	City of Arcola Regional Drainage Improvements	0	0	0.22	1.23		
061000140	Elevate Existing Bridge - East Fork San Jacinto River	0	0	3.31	6.18		
061000141	Southwood Forest Subdivision and Forgotten Forest Subdivision Evaluation	0	0	0.00	0.00		
061000142	Shadowbend Drainage Improvements Phase 2	5	5	37.73	18.38		
061000143	City of Todd Mission Reduction of Floodplain Area Roads and Drainage Upgrade	0	0	0.00	1.12		

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FME ID	FME Name	Description	Associated Goal No.	Counties
061000145	Jamica Cove Rd. Survey	Engineering assessment needed to determine if elevating the road would reduce future flooding impacts.	06000001, 06000011, 06000012, 06000015	Galveston
061000146	Annalea/Whitehall Kings Park Drainage - Drainage Improvements Phase 2	Further study of proposed drainage improvements to stafford oaks.	06000001, 06000011, 06000012, 06000015	Galveston, Harris
061000147	Implement Drainage Improvements in City of La Marque	Implement drainage projects that support low maintenance and cleaning of drainage ditches.	06000001, 06000011, 06000012, 06000015	Galveston
061000148	Liberty County Culvert Replacement Project	Increase culvert size in identified flood hazard problem areas within Liberty County.	06000001, 06000011, 06000012, 06000015	Liberty
061000149	Evaluatin of Increase Height of Existing Levee Wall System in City of La Marque	Increase height of existing Levee wall system to withstand a Category 5 storm surge.	06000001, 06000011, 06000012, 06000015	Galveston
061000150	Evaluation of Reinforcement of Critical Facilities in the City of Arcola	Reinforcement of critical facilities to withstand high winds from severe weather.	06000001, 06000011, 06000012, 06000015	Fort Bend
061000151	Evaluation of Mitigation Alternatives for Repetietive Flood Claims Properties in Galveston County	Evaluate Mitigation Alternatives of Repetitive Flood Claim Properties in Galveston County.	06000001, 06000011, 06000012, 06000015	Galveston
061000152	Cane Island Branch- Alt 1	Further study of 2,800 ac-ft detention upstream of Pitts road.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris, Waller
061000153	Downtown Cleveland Drainage Line Installation	Further study of proposed larger drainage lines in downtown Cleveland to reduce flooding.	06000001, 06000011, 06000012, 06000015	Liberty, Montgomery, San Jacinto
061000156	Flood Gates Evaluation at Walker County Annex #2	Evaluation of proposed removable facility flood gates at Walker County Annex #2	06000001, 06000011, 06000012, 06000015	Walker
061000158	City of Bayou Vista Canal Dredging Study	Plan for Canal Dredging to reduce sediment deposited during storm events. Study to develop and implement canal dredging program.	06000001, 06000011, 06000012, 06000015	Galveston
061000160	Liberty County Regional Flood Drainage Plan	Regional drainage study to establish a county wide drainage plan including atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Liberty

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000145	Jamica Cove Rd. Survey	12040204	120402040300	06000108	Project Planning	0.7148
061000146	Annalea/Whitehall Kings Park Drainage - Drainage Improvements Phase 2	12040204	120402040200, 120402040100	06000107,06000106	Project Planning	20.8292
061000147	Implement Drainage Improvements in City of La Marque	12040204	120402040200	06000107	Project Planning	14.2328
061000148	Liberty County Culvert Replacement Project	12040103, 12040203	120401030201, 120401030108, 120401030109, 120401030205, 120401030402, 120401030203, 120401030204, 120401030202, 120401030401, 120402030104, 120402030103, 120402030102, 120402030101	06000056,06000053,06000054,06000060,06000070,06000058,06000059,06000057,06000069,06000102,06000101,06000100,06000099	Project Planning	1169.7637
061000149	Evaluatin of Increase Height of Existing Levee Wall System in City of La Marque	12040204	120402040200	06000107	Project Planning	14.2328
061000150	Evaluation of Reinforcement of Critical Facilities in the City of Arcola	12040204	120402040400	06000109	Project Planning	2.5981
061000151	Evaluation of Mitigation Alternatives for Repetietive Flood Claims Properties in Galveston County	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Project Planning	664.9483
061000152	Cane Island Branch- Alt 1	12040102, 12040104	120401020103, 120401040102, 120401040103, 120401040104, 120401040101, 120401040203	06000028,06000072,06000073,06000074,06000071,06000077	Project Planning	14.5212
061000153	Downtown Cleveland Drainage Line Installation	12040103	120401030201, 120401030108, 120401030109, 120401030203, 120401030202, 120401030401	06000056,06000053,06000054,06000058,06000057,06000069	Project Planning	18.7366
061000156	Flood Gates Evaluation at Walker County Annex #2	12040101, 12040103	120401010104, 120401010101, 120401010102, 120401010103, 120401010201, 120401010202, 120401010203, 120401010204, 120401030101, 120401030106, 120401030303, 120401030305, 120401030301, 120401030302	06000004, 06000001, 06000002, 06000003, 06000005, 06000006, 06000007, 06000008, 06000046, 06000051, 06000063, 06000065, 06000061, 06000062	Project Planning	797.8365
061000158	City of Bayou Vista Canal Dredging Study	12040204	120402040200	06000107	Project Planning	0.4474
061000160	Liberty County Regional Flood Drainage Plan	12040103, 12040203	120401030201, 120401030108, 120401030109, 120401030205, 120401030402, 120401030203, 120401030204, 120401030202, 120401030401, 120402030104, 120402030103, 120402030102, 120402030101	06000056,06000053,06000054,06000060,06000070,06000058,06000059,06000057,06000069,06000102,06000101,06000100,06000099	Project Planning	1169.7637

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000145	Jamica Cove Rd. Survey	Urban/Local	City of Jamaica Beach	Jamaica Beach, Galveston	No
061000146	Annalea/Whitehall Kings Park Drainage - Drainage Improvements Phase 2	Urban/Local	City of Friendswood	Harris, Harris County Flood Control District, Galveston	No
061000147	Implement Drainage Improvements in City of La Marque	Urban/Local	City of La Marque	La Marque, Galveston	No
061000148	Liberty County Culvert Replacement Project	Urban/Local	Liberty	Mont Belvieu, Liberty, Cleveland, Plum Grove, North Cleveland, Dayton, Liberty County Water Control District 1	No
061000149	Evaluatin of Increase Height of Existing Levee Wall System in City of La Marque	Urban/Local	City of La Marque	La Marque, Galveston	No
061000150	Evaluation of Reinforcement of Critical Facilities in the City of Arcola	Urban/Local	City of Arcola	Fort Bend, Arcola	No
061000151	Evaluation of Mitigation Alternatives for Repetietive Flood Claims Properties in Galveston County	Urban/Local	Galveston County	League City, Kemah, Seabrook, Tiki Island, Friendswood, Texas City, Santa Fe, Galveston, Nassau Bay, Hitchcock, La Marque, Bayou Vista, Galveston, Clear Lake Shores, Jamaica Beach, Dickinson	No
061000152	Cane Island Branch- Alt 1	Urban/Local	Waller County	Waller, Harris County Flood Control District, Katy	No
061000153	Downtown Cleveland Drainage Line Installation	Urban/Local	City of Cleveland	Liberty, Cleveland, Montgomery, San Jacinto	No
061000156	Flood Gates Evaluation at Walker County Annex #2	Urban/Local	Walker County	Huntsville, New Waverly, Walker	No
061000158	City of Bayou Vista Canal Dredging Study	Urban/Local	City of Bayou Vista	Bayou Vista, Galveston	No
061000160	Liberty County Regional Flood Drainage Plan	Urban/Local	Liberty County	Mont Belvieu, Liberty, Cleveland, Plum Grove, North Cleveland, Dayton, Liberty County Water Control District 1	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000145	Jamica Cove Rd. Survey	$ 140,000		1276	1238	275	4
061000146	Annalea/Whitehall Kings Park Drainage - Drainage Improvements Phase 2	$ 50,000		1680	1601	4,640	1
061000147	Implement Drainage Improvements in City of La Marque	$ 360,000		829	767	1,455	8
061000148	Liberty County Culvert Replacement Project	$ 30,000		3614	2268	3,574	8
061000149	Evaluatin of Increase Height of Existing Levee Wall System in City of La Marque	$ 810,000		829	767	1,455	8
061000150	Evaluation of Reinforcement of Critical Facilities in the City of Arcola	$ 200,000		41	37	39	0
061000151	Evaluation of Mitigation Alternatives for Repetietive Flood Claims Properties in Galveston County	$ 11,000,000		48545	42165	102,745	667
061000152	Cane Island Branch- Alt 1	$ 180,000	General Revenue (25%)	650	572	1,840	8
061000153	Downtown Cleveland Drainage Line Installation	$ 50,000		260	132	1,037	0
061000156	Flood Gates Evaluation at Walker County Annex #2	$ 20,000		505	437	545	0
061000158	City of Bayou Vista Canal Dredging Study	$ 130,000		1122	1095	1,476	3
061000160	Liberty County Regional Flood Drainage Plan	$ 486,000		3614	2268	3,574	8

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000145	Jamica Cove Rd. Survey	0	0	13.81	2.83		
061000146	Annalea/Whitehall Kings Park Drainage - Drainage Improvements Phase 2	5	5	37.73	18.38		
061000147	Implement Drainage Improvements in City of La Marque	1	1	31.12	37.85		
061000148	Liberty County Culvert Replacement Project	7	7	144.17	1,379.48		
061000149	Evaluatin of Increase Height of Existing Levee Wall System in City of La Marque	1	1	31.12	37.85		
061000150	Evaluation of Reinforcement of Critical Facilities in the City of Arcola	0	0	0.22	1.23		
061000151	Evaluation of Mitigation Alternatives for Repetietive Flood Claims Properties in Galveston County	30	30	910.36	3,412.03		
061000152	Cane Island Branch- Alt 1	5	5	10.09	119.10		
061000153	Downtown Cleveland Drainage Line Installation	1	1	27.33	28.88		
061000156	Flood Gates Evaluation at Walker County Annex #2	2	2	25.43	180.47		
061000158	City of Bayou Vista Canal Dredging Study	0	0	7.71	0.00		
061000160	Liberty County Regional Flood Drainage Plan	7	7	144.17	1,379.48		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000161	City of North Cleveland Engineering Study	Study to identify drainage improvements in the City of North Cleveland.	06000001, 06000011, 06000012, 06000015	Liberty, Montgomery, San Jacinto
061000162	Elevation of Bridge Road in City of North Cleveland	Further study to elevate Bridge road.	06000001, 06000011, 06000012, 06000015	Liberty, Montgomery, San Jacinto
061000163	Galveston County Drainage System Improvement Study	Further study to widen drainage systems and increase culvert size to accommodate increased water flows. Coordinate efforts with water district.	06000001, 06000011, 06000012, 06000015	Galveston
061000164	Storm Water Detention Ponds Evalution in the City of Santa Fe	Further study to determine detention ponds/basin could be solution for addressing flood impacts.	06000001, 06000011, 06000012, 06000015	Galveston
061000165	Drainage System Analysis for City of Santa Fe	Further study to widen drainage systems and increase culvert size to accommodate increased water flows. Coordinate efforts with water district.	06000001, 06000011, 06000012, 06000015	Galveston
061000166	City of Stafford Run Creek Detention Pond Construction	Further study of proposed detention ponds immediately downstream of Brand Lane and Independence Park.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris
061000167	City of Cleveland Drainage Improvements	Further study of proposed city of cleveland drainage improvements.	06000001, 06000011, 06000012, 06000015	Liberty, Montgomery, San Jacinto
061000168	San Jacinto Watershed and Tributary Barrier and Flood Mitigation - East County Project	Planning, H&H studies, design, environmental review, and barrier removal for the 98.6 miles of the San Jacinto Watershed and Tributary Barrier and Flood Mitigation-East County project area.	06000001, 06000010, 06000015	Harris, Liberty, Montgomery, San Jacinto
061000169	San Jacinto Watershed and Tributary Barrier and Flood Mitigation - West County Project	H&H study, design, tributary barrier removal, and environmental assessments for the 96.2 miles of the San Jacinto Watershed and Tributary Barrier and Flood Mitigation-West County project area.	06000001, 06000010, 06000015	Harris, Montgomery
061000170	Spring Gully Watershed Planning Project Near-term Planning Project: PA03	Planning-level study needed: to identify a strategy in O200-00-00 near O207-01-00 to reduce flooding	06000001, 06000011, 06000012, 06000015	Harris
061000171	Spring Gully Watershed Planning Project Near-term Planning Project: PA04	Planning-level study needed: to lower WSEL in O203-00-00 to around 29 feet MSL. Most benefit when O203-00-00 channel modifications are combined with Thompson Road Storm drainage system improvements	06000001, 06000011, 06000012, 06000015	Harris
061000172	Spring Gully Watershed Planning Project Near-term Planning Project: PA05	Planning-level study needed: a stormwater detention basin near confluence of O207-00-00 and O207-01-00 required to lower WSEL	06000001, 06000011, 06000012, 06000015	Harris
061000173	Update Liberty County FIRMs to Include Bench Marks	Add bench marks to updated Flood Insurance Rate Maps.	06000001, 06000010, 06000015	Liberty

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000161	City of North Cleveland Engineering Study	12040103	120401030201, 120401030401	06000056,06000069	Project Planning	18.7366
061000162	Elevation of Bridge Road in City of North Cleveland	12040103	120401030201, 120401030401	06000056,06000069	Project Planning	18.7366
061000163	Galveston County Drainage System Improvement Study	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Project Planning	664.9483
061000164	Storm Water Detention Ponds Evalution in the City of Santa Fe	12040204	120402040300, 120402040200	06000108,06000107	Project Planning	17.0353
061000165	Drainage System Analysis for City of Santa Fe	12040204	120402040300, 120402040200	06000108,06000107	Project Planning	17.0353
061000166	City of Stafford Run Creek Detention Pond Construction	12040204, 12040104	120401040401, 120401040501, 120402040400	06000083,06000085,06000109	Project Planning	7.0202
061000167	City of Cleveland Drainage Improvements	12040103	120401030201, 120401030108, 120401030109, 120401030203, 120401030202, 120401030401	06000056,06000053,06000054,06000058,06000057,06000069	Project Planning	18.7366
061000168	San Jacinto Watershed and Tributary Barrier and Flood Mitigation - East County Project	12040103	120401030402, 120401030401	06000070,06000069	Watershed Planning	94.8889
061000169	San Jacinto Watershed and Tributary Barrier and Flood Mitigation - West County Project	12040101	120401010401, 120401010402, 120401010404	06000020, 06000021, 06000023	Watershed Planning	122.1236
061000170	Spring Gully Watershed Planning Project Near-term Planning Project: PA03	12040203, 12040104	120401040705, 120401040706, 120401040704, 120402030105, 120402030104, 120402030106	06000097,06000098,06000096,06000103,06000102,06000104	Watershed Planning	34.8319
061000171	Spring Gully Watershed Planning Project Near-term Planning Project: PA04	12040203, 12040104	120401040705, 120401040706, 120401040704, 120402030105, 120402030104, 120402030106	06000097,06000098,06000096,06000103,06000102,06000104	Watershed Planning	34.8319
061000172	Spring Gully Watershed Planning Project Near-term Planning Project: PA05	12040203, 12040104	120401040705, 120401040706, 120401040704, 120402030105, 120402030104, 120402030106	06000097,06000098,06000096,06000103,06000102,06000104	Project Planning	34.8319
061000173	Update Liberty County FIRMs to Include Bench Marks	12040103, 12040203	120401030201, 120401030108, 120401030109, 120401030205, 120401030402, 120401030203, 120401030204, 120401030202, 120401030401, 120402030104, 120402030103, 120402030102, 120402030101	06000056,06000053,06000054,06000060,06000070,06000058,06000059,06000057,06000069,06000102,06000101,06000100,06000099	Watershed Planning	1169.7637

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000161	City of North Cleveland Engineering Study	Urban/Local	City of North Cleveland	Liberty, Cleveland, Montgomery, San Jacinto	No
061000162	Elevation of Bridge Road in City of North Cleveland	Urban/Local	City of North Cleveland	Liberty, Cleveland, Montgomery, San Jacinto	No
061000163	Galveston County Drainage System Improvement Study	Urban/Local	Galveston County	Galveston	No
061000164	Storm Water Detention Ponds Evalution in the City of Santa Fe	Urban/Local	City of Santa Fe	Santa Fe, Galveston	No
061000165	Drainage System Analysis for City of Santa Fe	Urban/Local	City of Santa Fe	Santa Fe, Galveston	No
061000166	City of Stafford Run Creek Detention Pond Construction	Riverine, Urban/Local	City of Stafford	Stafford, Fort Bend, Harris County Flood Control District, Harris	No
061000167	City of Cleveland Drainage Improvements	Riverine	City of Cleveland	Liberty, Cleveland, Montgomery, San Jacinto	No
061000168	San Jacinto Watershed and Tributary Barrier and Flood Mitigation - East County Project	Riverine, Urban/Local	Montgomery County	Houston, Liberty, Montgomery, Harris, Harris County Flood Control District	No
061000169	San Jacinto Watershed and Tributary Barrier and Flood Mitigation - West County Project	Riverine, Urban/Local	Montgomery County	Houston, Harris County Flood Control District, Harris, Montgomery	No
061000170	Spring Gully Watershed Planning Project Near-term Planning Project: PA03	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Baytown, Harris County Flood Control District, Harris	Yes
061000171	Spring Gully Watershed Planning Project Near-term Planning Project: PA04	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Baytown, Harris County Flood Control District, Harris	Yes
061000172	Spring Gully Watershed Planning Project Near-term Planning Project: PA05	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Baytown, Harris County Flood Control District, Harris	Yes
061000173	Update Liberty County FIRMs to Include Bench Marks	Urban/Local	Liberty County	Dayton, Liberty, Liberty County Water Control District 1	No

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FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000161	City of North Cleveland Engineering Study	$ 400,000		52	37	42	0
061000162	Elevation of Bridge Road in City of North Cleveland	$ 120,000		52	37	42	0
061000163	Galveston County Drainage System Improvement Study	$ 1,590,000		48545	42165	102,745	667
061000164	Storm Water Detention Ponds Evalution in the City of Santa Fe	$ 380,000		399	306	748	0
061000165	Drainage System Analysis for City of Santa Fe	$ 300,000		399	306	748	0
061000166	City of Stafford Run Creek Detention Pond Construction	$ 300,000		0	0	0	0
061000167	City of Cleveland Drainage Improvements	$ 410,000		260	132	1,037	0
061000168	San Jacinto Watershed and Tributary Barrier and Flood Mitigation - East County Project	$ 1,160,000		3496	2368	3,786	3
061000169	San Jacinto Watershed and Tributary Barrier and Flood Mitigation - West County Project	$ 1,110,000		3628	2858	9,188	31
061000170	Spring Gully Watershed Planning Project Near-term Planning Project: PA03	$ 600,000		1882	1508	5,995	64
061000171	Spring Gully Watershed Planning Project Near-term Planning Project: PA04	$ 210,000		1882	1508	5,995	64
061000172	Spring Gully Watershed Planning Project Near-term Planning Project: PA05	$ 250,000		1882	1508	5,995	64
061000173	Update Liberty County FIRMs to Include Bench Marks	$ 50,000		3614	2268	3,574	8

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000161	City of North Cleveland Engineering Study	0	0	3.31	6.18		
061000162	Elevation of Bridge Road in City of North Cleveland	0	0	3.31	6.18		
061000163	Galveston County Drainage System Improvement Study	30	30	910.36	3,412.03		
061000164	Storm Water Detention Ponds Evalution in the City of Santa Fe	9	9	4.13	12.13		
061000165	Drainage System Analysis for City of Santa Fe	9	9	4.13	12.13		
061000166	City of Stafford Run Creek Detention Pond Construction	0	0	0.00	0.00		
061000167	City of Cleveland Drainage Improvements	1	1	27.33	28.88		
061000168	San Jacinto Watershed and Tributary Barrier and Flood Mitigation - East County Project	1	1	101.80	70.64		
061000169	San Jacinto Watershed and Tributary Barrier and Flood Mitigation - West County Project	8	8	89.21	278.89		
061000170	Spring Gully Watershed Planning Project Near-term Planning Project: PA03	1	1	32.83	73.13		
061000171	Spring Gully Watershed Planning Project Near-term Planning Project: PA04	1	1	32.83	73.13		
061000172	Spring Gully Watershed Planning Project Near-term Planning Project: PA05	1	1	32.83	73.13		
061000173	Update Liberty County FIRMs to Include Bench Marks	7	7	144.17	1,379.48		

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FME ID	FME Name	Description	Associated Goal No.	Counties
061000174	Carpenters Planning Study N110-00-00 Diversion to P103-00/P103-03	Feasibility study needed to evaluate a proposed interconnection from N110-00-00 to lower Greens Bayou	06000001, 06000011, 06000012, 06000015	Harris
061000175	Solutions for Advancing Flood Mitigation, Equity, and Resilience	Feasibility study to identify regional flood management projects for broad-scale flood mitigation and potential Federal cost-sharing. The study will also explore beneficial uses beyond flood mitigation, such as water supply.	06000001, 06000011, 06000012, 06000015	Harris
061000176	Lower Greens Bayou Watershed Study	Feasibility study to ID flood damage reduction measures to reduce the risk of flooding in the lower strech of Greens Bayou	06000001, 06000011, 06000012, 06000015	Harris
061000177	Addicks Reservoir Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000010, 06000015	Harris, Waller
061000178	Barker Reservoir Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000010, 06000015	Fort Bend, Harris, Waller
061000179	Buffalo Bayou Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000010, 06000015	Fort Bend, Harris
061000180	Brays Bayou Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000010, 06000015	Fort Bend, Harris
061000181	Cypress Creek Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000010, 06000015	Harris, Waller

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FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000174	Carpenters Planning Study N110-00-00 Diversion to P103-00/P103-03	12040101, 12040104	120401010502, 120401040605, 120401040703, 120401040705, 120401040702, 120401040606, 120401040704	06000025,06000091,06000095,06000097,06000094,06000092,06000096	Project Planning	31.0257
061000175	Solutions for Advancing Flood Mitigation, Equity, and Resilience	12040203, 12040104, 12040101, 12040103, 12040204, 12040102	120401010502, 120401040605, 120401040703, 120401040705, 120401040702, 120401040606, 120401040704	06000025,06000091,06000095,06000097,06000094,06000092,06000096	Project Planning	1770.8157
061000176	Lower Greens Bayou Watershed Study	12040102, 12040101, 12040104	120401010502, 120401010501, 120401020106, 120401020107, 120401040605, 120401040703, 120401040601, 120401040702, 120401040302, 120401040604, 120401040606, 120401040304, 120401040301, 120401040602, 120401040603, 120401040701	06000025,06000024,06000031,06000032,06000091,06000095,06000087,06000094,06000079,06000090,06000092,06000081,06000078,06000088,06000089,06000093	Project Planning	26.6528
061000177	Addicks Reservoir Watershed Study	12040102, 12040104	120401020103, 120401040102, 120401040202, 120401040104, 120401040201, 120401040302, 120401040101, 120401040203, 120401040303, 120401040301	06000028,06000072,06000076,06000074,06000075,06000079,06000071,06000077,06000080,06000078	Watershed Planning	137.9631
061000178	Barker Reservoir Watershed Study	12040102, 12040104	120401020103, 120401040102, 120401040103, 120401040104, 120401040101, 120401040203, 120401040303, 120401040401	06000028,06000072,06000073,06000074,06000071,06000077,06000080,06000083	Watershed Planning	128.1584
061000179	Buffalo Bayou Watershed Study	12040104	120401040703, 120401040402, 120401040104, 120401040305, 120401040302, 120401040203, 120401040303, 120401040304, 120401040401, 120401040701	06000095,06000084,06000074,06000082,06000079,06000077,06000080,06000081,06000083,06000093	Watershed Planning	101.5083
061000180	Brays Bayou Watershed Study	12040104	120401040703, 120401040402, 120401040305, 120401040303, 120401040401, 120401040502	06000095,06000084,06000082,06000080,06000083,06000086	Watershed Planning	128.2067
061000181	Cypress Creek Watershed Study	12040102, 12040104	120401020102, 120401020103, 120401020104, 120401020106, 120401020101, 120401020105, 120401020107, 120401020201, 120401020210, 120401020212, 120401020213, 120401040601, 120401040102, 120401040201, 120401040101, 120401040203, 120401040301, 120401040602, 120401040603	06000027,06000028,06000029,06000031,06000026,06000030,06000032,06000033,06000042,06000044,06000045,06000087,06000072,06000075,06000071,06000077,06000078,06000088,06000089	Watershed Planning	266.2121

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000174	Carpenters Planning Study N110-00-00 Diversion to P103-00/P103-03	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	Yes
061000175	Solutions for Advancing Flood Mitigation, Equity, and Resilience	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris, Liberty County Water Control District 1	Yes
061000176	Lower Greens Bayou Watershed Study	Riverine	Harris County Flood Control District (HCFCD)	Houston, Humble, Harris County Flood Control District, Harris	Yes
061000177	Addicks Reservoir Watershed Study	Riverine	Harris County Flood Control District (HCFCD)	Houston, San Jacinto River Authority, Waller, Katy, Harris, Harris County Flood Control District	Yes
061000178	Barker Reservoir Watershed Study	Riverine	Harris County Flood Control District (HCFCD)	Brazos River Authority, Houston, San Jacinto River Authority, Waller, Fort Bend, Fulshear, Katy, Harris, Harris County Flood Control District	Yes
061000179	Buffalo Bayou Watershed Study	Riverine	Harris County Flood Control District (HCFCD)	Houston, Hilshire Village, San Jacinto River Authority, Spring Valley Village, Fort Bend, Bunker Hill Village, Hedwig Village, Harris, Harris County Flood Control District, Piney Point Village	Yes
061000180	Brays Bayou Watershed Study	Riverine	Harris County Flood Control District (HCFCD)	Houston, Southside Place, San Jacinto River Authority, Meadows Place, Fort Bend, Missouri City, Stafford, West University Place, Harris, Bellaire, Sugar Land, Harris County Flood Control District	Yes
061000181	Cypress Creek Watershed Study	Riverine	Harris County Flood Control District (HCFCD)	Brazos River Authority, Houston, San Jacinto River Authority, Waller, Prairie View, Harris, Tomball, Harris County Flood Control District	Yes

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000174	Carpenters Planning Study N110-00-00 Diversion to P103-00/P103-03	$ 1,200,000		812	489	2,731	24
061000175	Solutions for Advancing Flood Mitigation, Equity, and Resilience	$ 30,000,000		143547	120726	590,942	2,132
061000176	Lower Greens Bayou Watershed Study	$ 1,000,000		5926	5090	16,913	58
061000177	Addicks Reservoir Watershed Study	$ 670,000		3746	3076	8,182	52
061000178	Barker Reservoir Watershed Study	$ 620,000		1051	833	2,598	11
061000179	Buffalo Bayou Watershed Study	$ 500,000		1998	1532	36,738	34
061000180	Brays Bayou Watershed Study	$ 620,000		40914	37611	216,118	545
061000181	Cypress Creek Watershed Study	$ 1,230,000		4159	3208	13,877	87

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000174	Carpenters Planning Study N110-00-00 Diversion to P103-00/P103-03	2	2	18.83	96.27		
061000175	Solutions for Advancing Flood Mitigation, Equity, and Resilience	89	89	2,407.74	5,993.47		
061000176	Lower Greens Bayou Watershed Study	3	3	68.04	2.36		
061000177	Addicks Reservoir Watershed Study	0	0	114.10	1,607.18		
061000178	Barker Reservoir Watershed Study	5	5	34.06	753.01		
061000179	Buffalo Bayou Watershed Study	0	0	38.72	17.90		
061000180	Brays Bayou Watershed Study	2	2	537.14	45.19		
061000181	Cypress Creek Watershed Study	18	18	109.48	1,659.60		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000182	Hunting Bayou Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000010, 06000015	Harris
061000183	Sims Bayou Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000010, 06000015	Fort Bend, Harris
061000184	White Oak Bayou Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Harris
061000185	Upper Greens Bayou Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000010, 06000015	Harris
061000186	Brays Bayou - Poor Farm Ditch	Study to develop a BCR and elevate project to a FMP. Further study of channel improvements from partnership project to restore channel conveyance, evaluated including Atlas 14 rainfall	06000001, 06000011, 06000012, 06000015	Harris
061000187	Brays Bayou Restore Channel Conveyance Capacity Along D115-00-00	Further study of channel modifications from partnership project to restore channel conveyance, evaluated using Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris
061000188	Brays Bayou - Partnership Project with Fort Bend County on Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along Clodine Ditch	Further study of channel improvements from partnership project to restore channel conveyanve including Atlas 14 rainfalls.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris
061000191	Spring Creek - Construction of a Reservoir along Spring Creek	Further study for design and construction of a future flood control dam and reservoir in the Spring Creek watershed	06000001, 06000011, 06000012, 06000015	Harris, Waller, Montgomery, Grimes
061000192	White Oak Bayou - E127-00-00 Fork	Further study of channel improvements from partnership project to restore channel conveyanve including Atlas 14 rainfalls.	06000001, 06000011, 06000012, 06000015	Harris
061000194	White Oak Bayou - Turkey Gully E106-00-00	Develop BCA to become a FMP. Further study of channel modifications from partnership project to restore channel conveyance, evaluated using Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris
061000196	White Oak Bayou - General Drainage Improvements along E105-00-00	Further study of channel improvements from partnership project to restore channel conveyanve including Atlas 14 rainfalls.	06000001, 06000011, 06000012, 06000015	Harris

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000182	Hunting Bayou Watershed Study	12040104	120401040703, 120401040604, 120401040606, 120401040304, 120401040701	06000095,06000090,06000092,06000081,06000093	Watershed Planning	30.8723
061000183	Sims Bayou Watershed Study	12040204, 12040104	120401040703, 120401040402, 120401040502, 120401040501, 120402040400, 120402040100	06000095,06000084,06000086,06000085,06000109,06000106	Watershed Planning	93.2150
061000184	White Oak Bayou Watershed Study	12040102, 12040104	120401020104, 120401020106, 120401040601, 120401040305, 120401040302, 120401040604, 120401040303, 120401040304, 120401040301, 120401040701	06000029,06000031,06000087,06000082,06000079,06000090,06000080,06000081,06000078,06000093	Watershed Planning	110.7023
061000185	Upper Greens Bayou Watershed Study	12040102, 12040101, 12040104	120401010502, 120401010501, 120401020106, 120401020107, 120401040605, 120401040703, 120401040601, 120401040702, 120401040302, 120401040604, 120401040606, 120401040304, 120401040301, 120401040602, 120401040603, 120401040701	06000025,06000024,06000031,06000032,06000091,06000095,06000087,06000094,06000079,06000090,06000092,06000081,06000078,06000088,06000089,06000093	Watershed Planning	201.4798
061000186	Brays Bayou - Poor Farm Ditch	12040104	120401040402	06000084	Project Planning	3.3411
061000187	Brays Bayou Restore Channel Conveyance Capacity Along D115-00-00	12040104	120401040401	06000083	Project Planning	6.3173
061000188	Brays Bayou - Partnership Project with Fort Bend County on Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along Clodine Ditch	12040104	120401040103, 120401040104, 120401040303, 120401040401	06000073,06000074,06000080,06000083	Project Planning	34.1390
061000191	Spring Creek - Construction of a Reservoir along Spring Creek	12040102, 12040101, 12040104	120401040103, 120401040104, 120401040303, 120401040401	06000073,06000074,06000080,06000083	Project Planning	384.3930
061000192	White Oak Bayou - E127-00-00 Fork	12040104	120401040302, 120401040301	06000079,06000078	Project Planning	2.2337
061000194	White Oak Bayou - Turkey Gully E106-00-00	12040104	120401040304	06000081	Project Planning	6.7843
061000196	White Oak Bayou - General Drainage Improvements along E105-00-00	12040104	120401040304	06000081	Project Planning	0.9163

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000182	Hunting Bayou Watershed Study	Riverine	Harris County Flood Control District (HCFCD)	Houston, Jacinto City, Galena Park, Harris, Harris County Flood Control District	Yes
061000183	Sims Bayou Watershed Study	Riverine	Harris County Flood Control District (HCFCD)	Houston, San Jacinto River Authority, Pasadena, Fort Bend, Missouri City, Stafford, Brazos Bend Water Authority, Harris, South Houston, Harris County Flood Control District	Yes
061000184	White Oak Bayou Watershed Study	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris, Jersey Village	Yes
061000185	Upper Greens Bayou Watershed Study	Riverine	Harris County Flood Control District (HCFCD)	Houston, Humble, Harris County Flood Control District, Harris	Yes
061000186	Brays Bayou - Poor Farm Ditch	Riverine	Harris County Flood Control District (HCFCD)	Houston, Southside Place, West University Place, Harris, Harris County Flood Control District	Yes
061000187	Brays Bayou Restore Channel Conveyance Capacity Along D115-00-00	Riverine	Harris County Flood Control District (HCFCD)	Houston, Bellaire, Harris County Flood Control District, Harris	Yes
061000188	Brays Bayou - Partnership Project with Fort Bend County on Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along Clodine Ditch	Riverine	Harris County Flood Control District (HCFCD)	Houston, Fort Bend, Harris County Flood Control District, Harris	No
061000191	Spring Creek - Construction of a Reservoir along Spring Creek	Riverine	Harris County Flood Control District (HCFCD)	Grimes, Waller, Montgomery, Harris, Harris County Flood Control District	Yes
061000192	White Oak Bayou - E127-00-00 Fork	Riverine	City of Jersey Village	Harris County Flood Control District, Harris	No
061000194	White Oak Bayou - Turkey Gully E106-00-00	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	Yes
061000196	White Oak Bayou - General Drainage Improvements along E105-00-00	Riverine	City of Houston	Houston, Harris County Flood Control District, Harris	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000182	Hunting Bayou Watershed Study	$ 500,000		6241	5217	24,003	93
061000183	Sims Bayou Watershed Study	$ 470,000		5854	4880	22,203	73
061000184	White Oak Bayou Watershed Study	$ 800,000		17090	14693	85,064	145
061000185	Upper Greens Bayou Watershed Study	$ 980,000		24220	18980	94,337	287
061000186	Brays Bayou - Poor Farm Ditch	$ 690,000		3291	3092	15,766	33
061000187	Brays Bayou Restore Channel Conveyance Capacity Along D115-00-00	$ 1,020,000		5574	5250	22,839	71
061000188	Brays Bayou - Partnership Project with Fort Bend County on Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along Clodine Ditch	$ 1,020,000		326	252	1,348	1
061000191	Spring Creek - Construction of a Reservoir along Spring Creek	$ 870,000		4185	3431	17,055	44
061000192	White Oak Bayou - E127-00-00 Fork	$ 150,000		393	376	941	0
061000194	White Oak Bayou - Turkey Gully E106-00-00	$ 1,330,000		2537	2284	8,056	6
061000196	White Oak Bayou - General Drainage Improvements along E105-00-00	$ 120,000		160	151	411	0

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000182	Hunting Bayou Watershed Study	6	6	101.52	21.14		
061000183	Sims Bayou Watershed Study	10	10	102.98	50.52		
061000184	White Oak Bayou Watershed Study	4	4	280.87	28.37		
061000185	Upper Greens Bayou Watershed Study	17	17	320.20	161.01		
061000186	Brays Bayou - Poor Farm Ditch	0	0	37.21	0.40		
061000187	Brays Bayou Restore Channel Conveyance Capacity Along D115-00-00	0	0	59.07	0.98		
061000188	Brays Bayou - Partnership Project with Fort Bend County on Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along Clodine Ditch	0	0	19.77	217.61		
061000191	Spring Creek - Construction of a Reservoir along Spring Creek	27	27	106.13	231.65		
061000192	White Oak Bayou - E127-00-00 Fork	0	0	6.23	0.00		
061000194	White Oak Bayou - Turkey Gully E106-00-00	0	0	26.57	2.18		
061000196	White Oak Bayou - General Drainage Improvements along E105-00-00	0	0	3.44	0.68		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000197	Investigation of COH Properties for Conversion to Stormwater Det. Basins	Further study for design and construction of stormwater detention basins on various City of Houston properties that may reduce the risk of flooding in the area	06000001, 06000011, 06000012, 06000015	Harris
061000201	Little Cypress Creek - L109-00-00	Feasibility study of L109-00-00 to identify feasible flood risk reduction measures	06000001, 06000011, 06000012, 06000015	Harris
061000202	Little Cypress Creek - L113-00-00	Feasibility study of L113-00-00 to identify feasible flood risk reduction measures	06000001, 06000011, 06000012, 06000015	Harris
061000203	Little Cypress Creek - L103-00-00	Feasibility study of L103-00-00 to identify feasible flood risk reduction measures	06000001, 06000011, 06000012, 06000015	Harris
061000204	Greens Bayou - P130-05-02	Feasibility study of P130-05-02 to identify feasible flood risk reduction measures	06000001, 06000010, 06000015	Harris
061000205	Greens Bayou - P142-00-00	Feasibility study of P142-00-00 to identify feasible flood risk reduction measures	06000001, 06000010, 06000015	Harris
061000207	San Jacinto River - G103-46-00	Feasibility study of G103-46-00 to identify feasible flood risk reduction measures	06000001, 06000011, 06000012, 06000015	Harris, Montgomery
061000208	San Jacinto River - G103-33-04	Feasibility study of G103-33-04 to identify feasible flood risk reduction measures	06000001, 06000011, 06000012, 06000015	Harris
061000209	San Jacinto River - G103-36-00	Feasibility study of G103-36-00 to identify feasible flood risk reduction measures	06000001, 06000011, 06000012, 06000015	Harris, Montgomery
061000213	City of Conroe Riverine Study and Mapping Improvements	Study and new modeling for moderate to low quality areas and revise the flood maps using the results from the updated modeling.	06000001, 06000010, 06000015	Montgomery
061000214	April Sound Subdivision Evaluation	Detailed analysis to be completed for the entire development using detailed storm sewer modeling.	06000001, 06000011, 06000012, 06000015	Montgomery
061000215	City of Conroe Downtown Master Drainage Plan	Full as-built storm sewer intventory survey and a full drainage study recommended.	06000001, 06000011, 06000012, 06000015	Montgomery
061000216	Greens Bayou - P103-00-00	Feasibility study of P103-00-00 to identify feasible flood risk reduction measures	06000001, 06000010, 06000015	Harris
061000217	Barker - T101-00-00	Feasibility study of T101-00-00 to identify feasible flood risk reduction measures	06000001, 06000011, 06000012, 06000015	Harris
061000218	Barker - T103-00-00	Feasibility study of T103-00-00 to identify feasible flood risk reduction measures	06000001, 06000011, 06000012, 06000015	Harris
061000219	Buffalo Bayou - W158-00-00	Feasibility study of W158-00-00 to identify feasible flood risk reduction measures	06000001, 06000011, 06000012, 06000015	Harris
061000220	Buffalo Bayou - W130-00-00	Feasibility study of W130-00-00 to identify feasible flood risk reduction measures	06000001, 06000011, 06000012, 06000015	Harris
061000221	Buffalo Bayou - W163-00-00	Feasibility study of W163-00-00 to identify feasible flood risk reduction measures	06000001, 06000011, 06000012, 06000015	Harris
061000222	City of Arcola Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Fort Bend

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000197	Investigation of COH Properties for Conversion to Stormwater Det. Basins	12040203, 12040104, 12040101, 12040103, 12040204, 12040102	120401020104, 120401020106, 120401040601, 120401040305, 120401040302, 120401040604, 120401040303, 120401040304, 120401040301, 120401040701	06000029,06000031,06000087,06000082,06000079,06000090,06000080,06000081,06000078,06000093	Project Planning	1770.8157
061000201	Little Cypress Creek - L109-00-00	12040102	120401020104, 120401020105, 120401020210	06000029,06000030,06000042	Project Planning	5.5768
061000202	Little Cypress Creek - L113-00-00	12040102	120401020104, 120401020105, 120401020205	06000029,06000030,06000037	Project Planning	14.9564
061000203	Little Cypress Creek - L103-00-00	12040102	120401020104, 120401020106, 120401020105	06000029,06000031,06000030	Project Planning	5.2360
061000204	Greens Bayou - P130-05-02	12040104	120401040602	06000088	Project Planning	0.1350
061000205	Greens Bayou - P142-00-00	12040104	120401040603	06000089	Project Planning	1.6346
061000207	San Jacinto River - G103-46-00	12040101	120401010501	06000024	Project Planning	58.5065
061000208	San Jacinto River - G103-33-04	12040101	120401010501	06000024	Project Planning	1.1277
061000209	San Jacinto River - G103-36-00	12040101	120401010501	06000024	Project Planning	58.5065
061000213	City of Conroe Riverine Study and Mapping Improvements	12040101	120401010207, 120401010401, 120401010402	06000011, 06000020, 06000021	Watershed Planning	100.0722
061000214	April Sound Subdivision Evaluation	12040101	120401010207, 120401010401, 120401010402	06000011, 06000020, 06000021	Project Planning	100.0722
061000215	City of Conroe Downtown Master Drainage Plan	12040101	120401010207, 120401010401, 120401010402	06000011, 06000020, 06000021	Project Planning	100.0722
061000216	Greens Bayou - P103-00-00	12040104	120401040703, 120401040702, 120401040606	06000095,06000094,06000092	Project Planning	5.5454
061000217	Barker - T101-00-00	12040104	120401040102, 120401040104, 120401040203, 120401040303	06000072,06000074,06000077,06000080	Project Planning	17.2832
061000218	Barker - T103-00-00	12040104	120401040104	06000074	Project Planning	4.0680
061000219	Buffalo Bayou - W158-00-00	12040104	120401040303	06000080	Project Planning	2.8157
061000220	Buffalo Bayou - W130-00-00	12040104	120401040305, 120401040303	06000082,06000080	Project Planning	2.7909
061000221	Buffalo Bayou - W163-00-00	12040104	120401040303	06000080	Project Planning	1.3895
061000222	City of Arcola Master Drainage Plan	12040204	120402040400	06000109	Watershed Planning	2.5981

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000197	Investigation of COH Properties for Conversion to Stormwater Det. Basins	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris, Liberty County Water Control District 1	Yes
061000201	Little Cypress Creek - L109-00-00	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District, Harris	Yes
061000202	Little Cypress Creek - L113-00-00	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District, Harris	Yes
061000203	Little Cypress Creek - L103-00-00	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	Yes
061000204	Greens Bayou - P130-05-02	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	Yes
061000205	Greens Bayou - P142-00-00	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	Yes
061000207	San Jacinto River - G103-46-00	Riverine	Harris County Flood Control District (HCFCD)	Houston, Montgomery, Humble, Harris, Harris County Flood Control District	Yes
061000208	San Jacinto River - G103-33-04	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	Yes
061000209	San Jacinto River - G103-36-00	Riverine	Harris County Flood Control District (HCFCD)	Houston, Montgomery, Humble, Harris, Harris County Flood Control District	Yes
061000213	City of Conroe Riverine Study and Mapping Improvements	Riverine	City of Conroe	Montgomery, Montgomery County Drainage District 9, Conroe, San Jacinto River Authority	No
061000214	April Sound Subdivision Evaluation	Urban/Local	City of Conroe	Montgomery, Montgomery County Drainage District 9, Conroe, San Jacinto River Authority	No
061000215	City of Conroe Downtown Master Drainage Plan	Urban/Local	City of Conroe	Montgomery, Montgomery County Drainage District 9, Conroe, San Jacinto River Authority	No
061000216	Greens Bayou - P103-00-00	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	Yes
061000217	Barker - T101-00-00	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris, Katy	Yes
061000218	Barker - T103-00-00	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris, Katy	Yes
061000219	Buffalo Bayou - W158-00-00	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	Yes
061000220	Buffalo Bayou - W130-00-00	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	Yes
061000221	Buffalo Bayou - W163-00-00	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	Yes
061000222	City of Arcola Master Drainage Plan	Riverine	City of Arcola	Arcola, Fort Bend	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000197	Investigation of COH Properties for Conversion to Stormwater Det. Basins	$ 500,000		143547	120726	590,942	2,132
061000201	Little Cypress Creek - L109-00-00	$ 200,000		178	104	419	0
061000202	Little Cypress Creek - L113-00-00	$ 300,000		182	162	471	0
061000203	Little Cypress Creek - L103-00-00	$ 150,000		116	92	241	8
061000204	Greens Bayou - P130-05-02	$ 150,000		124	114	177	0
061000205	Greens Bayou - P142-00-00	$ 250,000		997	601	3,381	7
061000207	San Jacinto River - G103-46-00	$ 200,000		1711	1464	6,868	29
061000208	San Jacinto River - G103-33-04	$ 200,000		248	221	1,137	1
061000209	San Jacinto River - G103-36-00	$ 750,000		1711	1464	6,868	29
061000213	City of Conroe Riverine Study and Mapping Improvements	$ 500,000		3460	2629	9,102	40
061000214	April Sound Subdivision Evaluation	$ 1,700,000		3460	2629	9,102	40
061000215	City of Conroe Downtown Master Drainage Plan	$ 750,000		3460	2629	9,102	40
061000216	Greens Bayou - P103-00-00	$ 300,000		391	197	1,343	5
061000217	Barker - T101-00-00	$ 500,000		41	34	412	0
061000218	Barker - T103-00-00	$ 300,000		7	5	25	0
061000219	Buffalo Bayou - W158-00-00	$ 200,000		72	63	225	0
061000220	Buffalo Bayou - W130-00-00	$ 100,000		27	15	3,954	0
061000221	Buffalo Bayou - W163-00-00	$ 200,000		70	68	226	0
061000222	City of Arcola Master Drainage Plan	$ 200,000		41	37	39	0

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000197	Investigation of COH Properties for Conversion to Stormwater Det. Basins	89	89	2,407.74	5,993.47		
061000201	Little Cypress Creek - L109-00-00	0	0	1.74	12.91		
061000202	Little Cypress Creek - L113-00-00	3	3	3.91	7.98		
061000203	Little Cypress Creek - L103-00-00	0	0	2.73	4.36		
061000204	Greens Bayou - P130-05-02	0	0	1.72	0.00		
061000205	Greens Bayou - P142-00-00	0	0	23.49	1.49		
061000207	San Jacinto River - G103-46-00	0	0	41.85	72.23		
061000208	San Jacinto River - G103-33-04	0	0	3.74	0.00		
061000209	San Jacinto River - G103-36-00	0	0	41.85	72.23		
061000213	City of Conroe Riverine Study and Mapping Improvements	18	18	83.79	98.03		
061000214	April Sound Subdivision Evaluation	18	18	83.79	98.03		
061000215	City of Conroe Downtown Master Drainage Plan	18	18	83.79	98.03		
061000216	Greens Bayou - P103-00-00	0	0	6.69	15.07		
061000217	Barker - T101-00-00	0	0	2.59	8.62		
061000218	Barker - T103-00-00	0	0	0.05	0.38		
061000219	Buffalo Bayou - W158-00-00	0	0	0.99	0.73		
061000220	Buffalo Bayou - W130-00-00	0	0	0.67	0.25		
061000221	Buffalo Bayou - W163-00-00	0	0	0.86	0.45		
061000222	City of Arcola Master Drainage Plan	0	0	0.22	1.23		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000223	City of Baytown Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Chambers, Harris
061000224	City of Beach City Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Chambers
061000225	City of Bellaire Master Drainage Plan	Conduct planning study to produce a Master Drainage Plan for the City of Bellaire, identifying and developing specific flood-related capital improvements and implementation plans necessary to acheive a desired level of service / flood protection.	06000001, 06000011, 06000012, 06000015	Harris
061000226	City of Brookside Village Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Brazoria
061000227	City of Bunker Hill Village Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris
061000228	City of Clear Lake Shores Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall	06000001, 06000011, 06000012, 06000015	Galveston, Harris
061000229	City of Cleveland Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Liberty, Montgomery, San Jacinto
061000230	City of Coldspring Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	San Jacinto
061000232	City of Cut and Shoot Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery
061000233	City of Dayton Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Liberty
061000234	City of Deer Park Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris
061000235	City of Dickinson Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Galveston
061000236	City of El Lago Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris
061000237	City of Friendswood Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Galveston, Harris

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000223	City of Baytown Master Drainage Plan	12040203, 12040104	120401040705, 120401040706, 120402030105, 120402030106, 120402030200	06000097,06000098,06000103,06000104,06000105	Watershed Planning	38.0500
061000224	City of Beach City Master Drainage Plan	12040203	120402030200	06000105	Watershed Planning	4.4627
061000225	City of Bellaire Master Drainage Plan	12040104	120401040402, 120401040401	06000084,06000083	Watershed Planning	3.5850
061000226	City of Brookside Village Master Drainage Plan	12040204	120402040100	06000106	Watershed Planning	2.0586
061000227	City of Bunker Hill Village Master Drainage Plan	12040104	120401040303	06000080	Watershed Planning	1.4367
061000228	City of Clear Lake Shores Master Drainage Plan	12040204	120402040100	06000106	Watershed Planning	0.7104
061000229	City of Cleveland Master Drainage Plan	12040103	120401030201, 120401030108, 120401030109, 120401030203, 120401030202, 120401030401	06000056,06000053,06000054,06000058,06000057,06000069	Watershed Planning	18.7366
061000230	City of Coldspring Master Drainage Plan	12040103	120401030307	06000067	Watershed Planning	1.8529
061000232	City of Cut and Shoot Master Drainage Plan	12040101, 12040103	120401010403, 120401030102, 120401030104	06000022,06000047,06000049	Watershed Planning	2.6997
061000233	City of Dayton Master Drainage Plan	12040203	120402030104, 120402030103, 120402030102, 120402030101	06000102,06000101,06000100,06000099	Watershed Planning	30.5840
061000234	City of Deer Park Master Drainage Plan	12040204, 12040104	120401040703, 120401040706, 120402040100	06000095,06000098,06000106	Watershed Planning	10.5297
061000235	City of Dickinson Master Drainage Plan	12040204	120402040200	06000107	Watershed Planning	10.2951
061000236	City of El Lago Master Drainage Plan	12040204	120402040100	06000106	Watershed Planning	0.7063
061000237	City of Friendswood Master Drainage Plan	12040204	120402040200, 120402040100	06000107,06000106	Watershed Planning	20.8292

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000223	City of Baytown Master Drainage Plan	Urban/Local	City of Baytown	Chambers, Baytown, Harris, Harris County Flood Control District	Yes
061000224	City of Beach City Master Drainage Plan	Urban/Local	City of Beach City	Chambers, Beach City	Yes
061000225	City of Bellaire Master Drainage Plan	Riverine	City of Bellaire	Bellaire, Harris County Flood Control District, Harris	Yes
061000226	City of Brookside Village Master Drainage Plan	Urban/Local	City of Brookside Village	Brookside Village, West Brazoria County Drainage District, Brazoria	Yes
061000227	City of Bunker Hill Village Master Drainage Plan	Riverine	City of Bunker Hill Village	Harris County Flood Control District, Harris, Bunker Hill Village	No
061000228	City of Clear Lake Shores Master Drainage Plan	Urban/Local	City of Clear Lake Shores	Harris, Galveston, Clear Lake Shores, Harris County Flood Control District	Yes
061000229	City of Cleveland Master Drainage Plan	Riverine	City of Cleveland	Cleveland, Liberty	No
061000230	City of Coldspring Master Drainage Plan	Urban/Local	City of Coldspring	San Jacinto, Coldspring	No
061000232	City of Cut and Shoot Master Drainage Plan	Riverine	City of Cut and Shoot	Montgomery, Cut and Shoot	No
061000233	City of Dayton Master Drainage Plan	Riverine	City of Dayton	Dayton, Liberty, Liberty County Water Control District 1	No
061000234	City of Deer Park Master Drainage Plan	Urban/Local	City of Deer Park	Deer Park, Harris County Flood Control District, Harris	Yes
061000235	City of Dickinson Master Drainage Plan	Urban/Local	City of Dickinson	Galveston, Dickinson	Yes
061000236	City of El Lago Master Drainage Plan	Riverine, Coastal	City of El Lago	El Lago, Harris	No
061000237	City of Friendswood Master Drainage Plan	Urban/Local	City of Friendswood	Friendswood, Harris, Harris County Flood Control District, Galveston	Yes

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000223	City of Baytown Master Drainage Plan	$ 520,000		1184	974	5,397	36
061000224	City of Beach City Master Drainage Plan	$ 240,000		3	2	6	0
061000225	City of Bellaire Master Drainage Plan	$ 1,500,000	Bonds/Other Financing (25%)	5877	5537	25,741	69
061000226	City of Brookside Village Master Drainage Plan	$ 190,000		809	743	1,467	0
061000227	City of Bunker Hill Village Master Drainage Plan	$ 170,000		0	0	0	0
061000228	City of Clear Lake Shores Master Drainage Plan	$ 140,000		633	529	2,597	4
061000229	City of Cleveland Master Drainage Plan	$ 400,000		260	132	1,037	0
061000230	City of Coldspring Master Drainage Plan	$ 180,000		0	0	0	0
061000232	City of Cut and Shoot Master Drainage Plan	$ 210,000		90	52	166	0
061000233	City of Dayton Master Drainage Plan	$ 108,000		32	26	74	0
061000234	City of Deer Park Master Drainage Plan	$ 320,000		469	241	7,734	6
061000235	City of Dickinson Master Drainage Plan	$ 320,000		5622	4850	15,510	76
061000236	City of El Lago Master Drainage Plan	$ 140,000		742	697	2,384	9
061000237	City of Friendswood Master Drainage Plan	$ 750,000		1680	1601	4,640	1

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000223	City of Baytown Master Drainage Plan	1	1	50.20	78.84		
061000224	City of Beach City Master Drainage Plan	0	0	0.20	4.72		
061000225	City of Bellaire Master Drainage Plan	0	0	70.92	0.16		
061000226	City of Brookside Village Master Drainage Plan	0	0	12.40	3.07		
061000227	City of Bunker Hill Village Master Drainage Plan	0	0	0.00	0.00		
061000228	City of Clear Lake Shores Master Drainage Plan	0	0	8.83	0.00		
061000229	City of Cleveland Master Drainage Plan	1	1	27.33	28.88		
061000230	City of Coldspring Master Drainage Plan	0	0	0.00	0.00		
061000232	City of Cut and Shoot Master Drainage Plan	0	0	1.71	2.88		
061000233	City of Dayton Master Drainage Plan	0	0	0.93	65.61		
061000234	City of Deer Park Master Drainage Plan	1	1	9.12	4.11		
061000235	City of Dickinson Master Drainage Plan	10	10	78.90	37.74		
061000236	City of El Lago Master Drainage Plan	0	0	9.36	0.45		
061000237	City of Friendswood Master Drainage Plan	5	5	37.73	18.38		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000238	City of Fulshear Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Fort Bend
061000239	City of Galena Park Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris
061000241	City of Hedwig Village Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris
061000242	City of Hillcrest Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Brazoria
061000243	City of Hilshire Village Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris
061000244	City of Hitchcock Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Brazoria, Galveston
061000246	City of Humble Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris
061000247	City of Hunters Creek Village Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris
061000248	City of Huntsville Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Walker
061000249	City of Iowa Colony Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Brazoria
061000250	City of Jacinto City Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris
061000251	City of Jamaica Beach Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Galveston
061000252	City of Jersey Village Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris
061000253	City of Katy Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris, Waller
061000254	City of Kemah Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Galveston, Chambers

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000238	City of Fulshear Master Drainage Plan	12040104	120401040103	06000073	Watershed Planning	12.0584
061000239	City of Galena Park Master Drainage Plan	12040104	120401040703, 120401040701	06000095,06000093	Watershed Planning	4.9013
061000241	City of Hedwig Village Master Drainage Plan	12040104	120401040303	06000080	Watershed Planning	0.9431
061000242	City of Hillcrest Master Drainage Plan	12040204	120402040400	06000109	Watershed Planning	0.4382
061000243	City of Hilshire Village Master Drainage Plan	12040104	120401040303	06000080	Watershed Planning	0.2665
061000244	City of Hitchcock Master Drainage Plan	12040204	120402040300, 120402040200	06000108,06000107	Watershed Planning	91.2120
061000246	City of Humble Master Drainage Plan	12040102, 12040101, 12040104	120401010501, 120401020213, 120401040602	06000024,06000045,06000088	Watershed Planning	9.7884
061000247	City of Hunters Creek Village Master Drainage Plan	12040104	120401040303	06000080	Watershed Planning	1.9506
061000248	City of Huntsville Master Drainage Plan	12040101, 12040103	120401010104, 120401010102, 120401010201, 120401010202, 120401030302	06000004, 06000002, 06000005, 06000006, 06000062	Watershed Planning	43.2448
061000249	City of Iowa Colony Master Drainage Plan	12040204	120402040400	06000109	Watershed Planning	9.4195
061000250	City of Jacinto City Master Drainage Plan	12040104	120401040701	06000093	Watershed Planning	1.8480
061000251	City of Jamaica Beach Master Drainage Plan	12040204	120402040300	06000108	Watershed Planning	0.7148
061000252	City of Jersey Village Master Drainage Plan	12040104	120401040302, 120401040301	06000079,06000078	Watershed Planning	3.4169
061000253	City of Katy Master Drainage Plan	12040104	120401040102, 120401040103, 120401040104, 120401040101, 120401040203	06000072,06000073,06000074,06000071,06000077	Watershed Planning	14.5212
061000254	City of Kemah Master Drainage Plan	12040204	120402040200, 120402040100	06000107,06000106	Watershed Planning	1.9078

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000238	City of Fulshear Master Drainage Plan	Urban/Local	City of Fulshear	Fulshear, Fort Bend	Yes
061000239	City of Galena Park Master Drainage Plan	Urban/Local	City of Galena Park	Galena Park, Harris County Flood Control District, Harris	Yes
061000241	City of Hedwig Village Master Drainage Plan	Urban/Local	City of Hedwig Village	Hedwig Village, Harris County Flood Control District, Harris	Yes
061000242	City of Hillcrest Master Drainage Plan	Urban/Local	Hillcrest Village	Hillcrest Village, West Brazoria County Drainage District, Brazoria	Yes
061000243	City of Hilshire Village Master Drainage Plan	Urban/Local	City of Hilshire Village	Hedwig Village, Harris County Flood Control District, Harris	Yes
061000244	City of Hitchcock Master Drainage Plan	Urban/Local	City of Hitchcock	West Brazoria County Drainage District, Brazoria, Hitchcock, Galveston	Yes
061000246	City of Humble Master Drainage Plan	Urban/Local	City of Humble	Humble, Harris County Flood Control District, Harris	Yes
061000247	City of Hunters Creek Village Master Drainage Plan	Urban/Local	City of Hunters Creek Village	Hilshire Village, Harris County Flood Control District, Harris	Yes
061000248	City of Huntsville Master Drainage Plan	Urban/Local	City of Huntsville	Huntsville, Walker	Yes
061000249	City of Iowa Colony Master Drainage Plan	Urban/Local	City of Iowa Colony	West Brazoria County Drainage District, Brazoria, Iowa Colony	Yes
061000250	City of Jacinto City Master Drainage Plan	Riverine, Coastal	City of Jacinto City	Jacinto City, Harris	No
061000251	City of Jamaica Beach Master Drainage Plan	Riverine, Coastal	City of Jamaica Beach	Jamaica Beach, Galveston	No
061000252	City of Jersey Village Master Drainage Plan	Urban/Local	City of Jersey Village	Harris County Flood Control District, Harris, Jersey Village	Yes
061000253	City of Katy Master Drainage Plan	Urban/Local	City of Katy	Waller, Fort Bend, Katy, Harris, Harris County Flood Control District	Yes
061000254	City of Kemah Master Drainage Plan	Urban/Local	City of Kemah	Kemah, Chambers, Galveston	Yes

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000238	City of Fulshear Master Drainage Plan	$ 340,000		0	0	0	0
061000239	City of Galena Park Master Drainage Plan	$ 250,000		205	156	465	9
061000241	City of Hedwig Village Master Drainage Plan	$ 150,000		0	0	0	0
061000242	City of Hillcrest Master Drainage Plan	$ 130,000		128	121	333	1
061000243	City of Hilshire Village Master Drainage Plan	$ 110,000		1	1	3	0
061000244	City of Hitchcock Master Drainage Plan	$ 720,000		2652	2267	5,294	11
061000246	City of Humble Master Drainage Plan	$ 320,000		652	489	3,460	5
061000247	City of Hunters Creek Village Master Drainage Plan	$ 190,000		108	103	345	1
061000248	City of Huntsville Master Drainage Plan	$ 500,000		114	96	244	0
061000249	City of Iowa Colony Master Drainage Plan	$ 310,000		1162	1030	1,271	1
061000250	City of Jacinto City Master Drainage Plan	$ 180,000		10	5	28	0
061000251	City of Jamaica Beach Master Drainage Plan	$ 140,000		1276	1238	275	4
061000252	City of Jersey Village Master Drainage Plan	$ 220,000		894	862	6,636	12
061000253	City of Katy Master Drainage Plan	$ 360,000		545	444	1,445	8
061000254	City of Kemah Master Drainage Plan	$ 190,000		562	425	2,792	7

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000238	City of Fulshear Master Drainage Plan	0	0	0.00	0.00		
061000239	City of Galena Park Master Drainage Plan	0	0	2.64	3.45		
061000241	City of Hedwig Village Master Drainage Plan	0	0	0.00	0.00		
061000242	City of Hillcrest Master Drainage Plan	0	0	2.08	0.14		
061000243	City of Hilshire Village Master Drainage Plan	0	0	0.01	0.00		
061000244	City of Hitchcock Master Drainage Plan	0	0	72.52	884.18		
061000246	City of Humble Master Drainage Plan	1	1	16.96	25.14		
061000247	City of Hunters Creek Village Master Drainage Plan	0	0	1.17	0.00		
061000248	City of Huntsville Master Drainage Plan	1	1	2.70	9.27		
061000249	City of Iowa Colony Master Drainage Plan	0	0	28.47	338.53		
061000250	City of Jacinto City Master Drainage Plan	0	0	0.14	0.00		
061000251	City of Jamaica Beach Master Drainage Plan	0	0	13.81	2.83		
061000252	City of Jersey Village Master Drainage Plan	0	0	13.99	0.00		
061000253	City of Katy Master Drainage Plan	4	4	10.03	21.66		
061000254	City of Kemah Master Drainage Plan	0	0	12.01	0.73		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000255	City of La Marque Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Galveston
061000256	City of La Porte Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris
061000257	City of League City Master Drainage Plan	Project would be a drainage model building off the recently completed CoLC 2-D Drainage Model and expand this model in the City's subdivisions and neighborhoods. It would be intended for this to be done in phases with areas where FEMA has had a high conce	06000001, 06000011, 06000012, 06000015	Galveston, Harris
061000258	City of Liverpool Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Brazoria
061000259	City of Magnolia Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery
061000260	City of Manvel Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Brazoria
061000261	City of Meadows Place Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Fort Bend
061000262	City of Missouri City Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris
061000263	City of Mont Belvieu Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Chambers, Harris, Liberty
061000264	City of Montgomery Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery
061000265	City of Morgan's Point Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Chambers, Harris
061000266	City of Nassau Bay Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Galveston, Harris
061000267	City of New Waverly Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Walker
061000268	City of North Cleveland Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Liberty

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000255	City of La Marque Master Drainage Plan	12040204	120402040200	06000107	Watershed Planning	14.2328
061000256	City of La Porte Master Drainage Plan	12040204, 12040104	120401040706, 120402040100	06000098,06000106	Watershed Planning	19.8330
061000257	City of League City Master Drainage Plan	12040204	120402040200, 120402040100	06000107,06000106	Watershed Planning	52.8882
061000258	City of Liverpool Master Drainage Plan	12040204	120402040400	06000109	Watershed Planning	1.0909
061000259	City of Magnolia Master Drainage Plan	12040102	120401020204, 120401020207, 120401020208	06000036,06000039,06000040	Watershed Planning	2.8702
061000260	City of Manvel Master Drainage Plan	12040204	120402040200, 120402040400, 120402040100	06000107,06000109,06000106	Watershed Planning	27.4094
061000261	City of Meadows Place Master Drainage Plan	12040104	120401040401	06000083	Watershed Planning	0.9304
061000262	City of Missouri City Master Drainage Plan	12040204, 12040104	120401040401, 120401040501, 120402040400	06000083,06000085,06000109	Watershed Planning	30.2910
061000263	City of Mont Belvieu Master Drainage Plan	12040203	120402030105, 120402030104	06000103,06000102	Watershed Planning	17.1975
061000264	City of Montgomery Master Drainage Plan	12040101	120401010307, 120401010206	06000018, 06000010	Watershed Planning	5.0976
061000265	City of Morgan's Point Master Drainage Plan	12040204, 12040104	120401040706, 120402040100	06000098,06000106	Watershed Planning	2.2243
061000266	City of Nassau Bay Master Drainage Plan	12040204	120402040100	06000106	Watershed Planning	1.7388
061000267	City of New Waverly Master Drainage Plan	12040103	120401030101	06000046	Watershed Planning	2.2131
061000268	City of North Cleveland Master Drainage Plan	12040103	120401030201, 120401030401	06000056,06000069	Watershed Planning	1.9086

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000255	City of La Marque Master Drainage Plan	Urban/Local	City of La Marque	La Marque, Galveston	Yes
061000256	City of La Porte Master Drainage Plan	Urban/Local	City of La Porte	La Porte, Harris County Flood Control District, Harris	Yes
061000257	City of League City Master Drainage Plan	Urban/Local	City of League City	League City, Harris, Harris County Flood Control District, Galveston	Yes
061000258	City of Liverpool Master Drainage Plan	Urban/Local	City of Liverpool	West Brazoria County Drainage District, Brazoria, Liverpool	Yes
061000259	City of Magnolia Master Drainage Plan	Riverine	City of Magnolia	Montgomery, Magnolia	No
061000260	City of Manvel Master Drainage Plan	Urban/Local	City of Manvel	West Brazoria County Drainage District, Brazoria, Manvel	Yes
061000261	City of Meadows Place Master Drainage Plan	Urban/Local	City of Meadows Place	Meadows Place, Fort Bend	Yes
061000262	City of Missouri City Master Drainage Plan	Riverine	City of Missouri City	Fort Bend, Missouri City	No
061000263	City of Mont Belvieu Master Drainage Plan	Riverine, Coastal	City of Mont Belvieu	Mont Belvieu, Chambers, Liberty County Water Control District 1	No
061000264	City of Montgomery Master Drainage Plan	Riverine	City of Montgomery	Montgomery, Montgomery	No
061000265	City of Morgan's Point Master Drainage Plan	Urban/Local	City of Morgan's Point	Morgan's Point, Harris County Flood Control District, Harris	Yes
061000266	City of Nassau Bay Master Drainage Plan	Urban/Local	City of Nassau Bay	Nassau Bay, Harris, Harris County Flood Control District, Galveston	Yes
061000267	City of New Waverly Master Drainage Plan	Riverine	City of New Waverly	New Waverly, Walker	No
061000268	City of North Cleveland Master Drainage Plan	Riverine	City of North Cleveland	North Cleveland, Liberty	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000255	City of La Marque Master Drainage Plan	$ 360,000		829	767	1,455	8
061000256	City of La Porte Master Drainage Plan	$ 410,000		2532	2250	6,121	32
061000257	City of League City Master Drainage Plan	$ 580,000		5251	4835	13,675	25
061000258	City of Liverpool Master Drainage Plan	$ 160,000		130	110	103	0
061000259	City of Magnolia Master Drainage Plan	$ 210,000		23	19	60	0
061000260	City of Manvel Master Drainage Plan	$ 460,000		1249	965	6,741	8
061000261	City of Meadows Place Master Drainage Plan	$ 150,000		0	0	0	0
061000262	City of Missouri City Master Drainage Plan	$ 470,000		213	162	854	1
061000263	City of Mont Belvieu Master Drainage Plan	$ 390,000		30	11	18	0
061000264	City of Montgomery Master Drainage Plan	$ 250,000		27	18	7	0
061000265	City of Morgan's Point Master Drainage Plan	$ 190,000		48	46	249	0
061000266	City of Nassau Bay Master Drainage Plan	$ 180,000		1021	944	5,328	18
061000267	City of New Waverly Master Drainage Plan	$ 190,000		23	18	19	0
061000268	City of North Cleveland Master Drainage Plan	$ 190,000		52	37	42	0

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000255	City of La Marque Master Drainage Plan	1	1	31.12	37.85		
061000256	City of La Porte Master Drainage Plan	0	0	54.14	15.27		
061000257	City of League City Master Drainage Plan	2	2	104.57	1,308.20		
061000258	City of Liverpool Master Drainage Plan	0	0	3.33	5.30		
061000259	City of Magnolia Master Drainage Plan	0	0	0.57	0.43		
061000260	City of Manvel Master Drainage Plan	0	0	43.32	178.81		
061000261	City of Meadows Place Master Drainage Plan	0	0	0.01	0.00		
061000262	City of Missouri City Master Drainage Plan	0	0	2.62	2.09		
061000263	City of Mont Belvieu Master Drainage Plan	0	0	1.55	5.10		
061000264	City of Montgomery Master Drainage Plan	0	0	0.87	2.73		
061000265	City of Morgan's Point Master Drainage Plan	0	0	0.08	1.01		
061000266	City of Nassau Bay Master Drainage Plan	0	0	17.53	0.51		
061000267	City of New Waverly Master Drainage Plan	0	0	0.48	0.89		
061000268	City of North Cleveland Master Drainage Plan	0	0	3.31	6.18		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000269	City of Oak Ridge North Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery
061000270	City of Panorama Village Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery
061000271	City of Pasadena Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Chambers, Harris
061000272	City of Patton Village Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery
061000274	City of Piney Point Village Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris
061000275	City of Plantersville Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Grimes
061000276	City of Plum Grove Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Liberty
061000277	City of Prairie View Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Waller
061000278	City of Roman Forest Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery
061000279	City of Santa Fe Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Galveston
061000280	City of Seabrook Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Galveston, Chambers, Harris
061000281	City of Shenandoah Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery
061000282	City of Shoreacres Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Chambers, Harris
061000283	City of South Houston Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris
061000284	City of Southside Place Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000269	City of Oak Ridge North Master Drainage Plan	12040102, 12040101	120401010404, 120401020212	06000023,06000044	Watershed Planning	1.4404
061000270	City of Panorama Village Master Drainage Plan	12040101	120401010207, 120401010401	06000011, 06000020	Watershed Planning	1.0880
061000271	City of Pasadena Master Drainage Plan	12040204, 12040104	120401040703, 120401040502, 120402040100	06000095,06000086,06000106	Watershed Planning	44.5841
061000272	City of Patton Village Master Drainage Plan	12040103	120401030109, 120401030402	06000054,06000070	Watershed Planning	2.3983
061000274	City of Piney Point Village Master Drainage Plan	12040104	120401040303	06000080	Watershed Planning	2.1254
061000275	City of Plantersville Master Drainage Plan	12040102, 12040101	120401010305, 120401010306, 120401020206	06000016, 06000017, 06000038	Watershed Planning	1.9801
061000276	City of Plum Grove Master Drainage Plan	12040103	120401030402	06000070	Watershed Planning	3.6131
061000277	City of Prairie View Master Drainage Plan	12040102	120401020101	06000026	Watershed Planning	7.3209
061000278	City of Roman Forest Master Drainage Plan	12040103	120401030109, 120401030402	06000054,06000070	Watershed Planning	2.1907
061000279	City of Santa Fe Master Drainage Plan	12040204	120402040300, 120402040200	06000108,06000107	Watershed Planning	17.0353
061000280	City of Seabrook Master Drainage Plan	12040204	120402040100	06000106	Watershed Planning	21.1921
061000281	City of Shenandoah Master Drainage Plan	12040102, 12040101	120401010402, 120401010404, 120401020211, 120401020212	06000021,06000023,06000043,06000044	Watershed Planning	1.9462
061000282	City of Shoreacres Master Drainage Plan	12040204	120402040100	06000106	Watershed Planning	0.9584
061000283	City of South Houston Master Drainage Plan	12040104	120401040703, 120401040502	06000095,06000086	Watershed Planning	3.0361
061000284	City of Southside Place Master Drainage Plan	12040104	120401040402	06000084	Watershed Planning	0.2485

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000269	City of Oak Ridge North Master Drainage Plan	Urban/Local	City of Oak Ridge North	Montgomery, Oak Ridge North	Yes
061000270	City of Panorama Village Master Drainage Plan	Riverine	City of Panorama Village	Montgomery, Panorama Village	No
061000271	City of Pasadena Master Drainage Plan	Urban/Local	City of Pasadena	Pasadena, Harris County Flood Control District, Harris	Yes
061000272	City of Patton Village Master Drainage Plan	Urban/Local	City of Patton Village	Montgomery, Patton Village	Yes
061000274	City of Piney Point Village Master Drainage Plan	Urban/Local	City of Piney Point Village	Piney Point Village, Harris County Flood Control District, Harris	Yes
061000275	City of Plantersville Master Drainage Plan	Riverine	City of Plantersville	Grimes, Plantersville	No
061000276	City of Plum Grove Master Drainage Plan	Riverine	City of Plum Grove	Plum Grove, Liberty	No
061000277	City of Prairie View Master Drainage Plan	Riverine	City of Prairie View	Waller, Prairie View	No
061000278	City of Roman Forest Master Drainage Plan	Urban/Local	City of Roman Forest	Montgomery, Roman Forest	Yes
061000279	City of Santa Fe Master Drainage Plan	Urban/Local	City of Santa Fe	Santa Fe, Galveston	Yes
061000280	City of Seabrook Master Drainage Plan	Urban/Local	City of Seabrook	Seabrook, Chambers, Harris, Galveston, Harris County Flood Control District	Yes
061000281	City of Shenandoah Master Drainage Plan	Urban/Local	City of Shenandoah	Montgomery, Shenandoah	Yes
061000282	City of Shoreacres Master Drainage Plan	Riverine, Coastal	City of Shoreacres	Shoreacres, Harris County Flood Control District, Harris	No
061000283	City of South Houston Master Drainage Plan	Urban/Local	City of South Houston	South Houston, Harris County Flood Control District, Harris	Yes
061000284	City of Southside Place Master Drainage Plan	Riverine	City of Southside Place	Southside Place, Harris	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000269	City of Oak Ridge North Master Drainage Plan	$ 170,000		85	73	426	0
061000270	City of Panorama Village Master Drainage Plan	$ 160,000		77	65	126	7
061000271	City of Pasadena Master Drainage Plan	$ 550,000		3591	2839	18,187	56
061000272	City of Patton Village Master Drainage Plan	$ 200,000		441	374	532	0
061000274	City of Piney Point Village Master Drainage Plan	$ 190,000		129	124	765	1
061000275	City of Plantersville Master Drainage Plan	$ 190,000		28	16	20	0
061000276	City of Plum Grove Master Drainage Plan	$ 230,000		362	266	484	1
061000277	City of Prairie View Master Drainage Plan	$ 290,000		32	25	44	0
061000278	City of Roman Forest Master Drainage Plan	$ 190,000		86	73	253	0
061000279	City of Santa Fe Master Drainage Plan	$ 380,000		399	306	748	0
061000280	City of Seabrook Master Drainage Plan	$ 420,000		3567	3176	10,374	58
061000281	City of Shenandoah Master Drainage Plan	$ 190,000		10	9	45	0
061000282	City of Shoreacres Master Drainage Plan	$ 150,000		801	787	2,148	3
061000283	City of South Houston Master Drainage Plan	$ 210,000		1420	943	6,432	22
061000284	City of Southside Place Master Drainage Plan	$ 110,000		500	476	1,468	5

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000269	City of Oak Ridge North Master Drainage Plan	0	0	1.04	0.00		
061000270	City of Panorama Village Master Drainage Plan	0	0	0.66	0.23		
061000271	City of Pasadena Master Drainage Plan	6	6	73.85	81.95		
061000272	City of Patton Village Master Drainage Plan	0	0	14.43	4.10		
061000274	City of Piney Point Village Master Drainage Plan	0	0	1.28	0.41		
061000275	City of Plantersville Master Drainage Plan	0	0	0.61	0.95		
061000276	City of Plum Grove Master Drainage Plan	0	0	8.99	9.22		
061000277	City of Prairie View Master Drainage Plan	0	0	1.66	15.28		
061000278	City of Roman Forest Master Drainage Plan	0	0	3.18	0.00		
061000279	City of Santa Fe Master Drainage Plan	9	9	4.13	12.13		
061000280	City of Seabrook Master Drainage Plan	0	0	52.06	11.48		
061000281	City of Shenandoah Master Drainage Plan	0	0	0.02	0.26		
061000282	City of Shoreacres Master Drainage Plan	1	1	17.17	0.23		
061000283	City of South Houston Master Drainage Plan	0	0	19.36	0.00		
061000284	City of Southside Place Master Drainage Plan	0	0	3.84	0.00		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000285	City of Splendora Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery
061000286	City of Spring Valley Village Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris
061000287	City of Stafford Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris
061000288	City of Stagecoach Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery
061000289	City of Sugar Land Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Fort Bend
061000290	City of Taylor Lake Village Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris
061000291	City of Texas City Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Galveston, Chambers
061000292	City of Tiki Island Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Galveston
061000293	City of Todd Mission Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Grimes
061000294	City of Tomball Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery
061000295	City of Waller Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris, Waller
061000296	City of Webster Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris
061000297	City of West University Place Master Drainage Plan	Study to develop refine Master Drainage Plan and Projects using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris
061000298	City of Willis Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery
061000299	City of Woodbranch Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000285	City of Splendora Master Drainage Plan	12040103	120401030109, 120401030402, 120401030401	06000054,06000070,06000069	Watershed Planning	3.0561
061000286	City of Spring Valley Village Master Drainage Plan	12040104	120401040303	06000080	Watershed Planning	1.2111
061000287	City of Stafford Master Drainage Plan	12040204, 12040104	120401040401, 120401040501, 120402040400	06000083,06000085,06000109	Watershed Planning	7.0202
061000288	City of Stagecoach Master Drainage Plan	12040102	120401020204, 120401020208	06000036,06000040	Watershed Planning	1.1749
061000289	City of Sugar Land Master Drainage Plan	12040104	120401040401	06000083	Watershed Planning	42.7563
061000290	City of Taylor Lake Village Master Drainage Plan	12040204	120402040100	06000106	Watershed Planning	1.3029
061000291	City of Texas City Master Drainage Plan	12040204	120402040200	06000107	Watershed Planning	185.0781
061000292	City of Tiki Island Master Drainage Plan	12040204	120402040200	06000107	Watershed Planning	1.5865
061000293	City of Todd Mission Master Drainage Plan	12040102	120401020203, 120401020206	06000035,06000038	Watershed Planning	2.0043
061000294	City of Tomball Master Drainage Plan	12040102	120401020106, 120401020205, 120401020210, 120401020209	06000031,06000037,06000042,06000041	Watershed Planning	13.0409
061000295	City of Waller Master Drainage Plan	12040102	120401020101, 120401020105, 120401020201	06000026,06000030,06000033	Watershed Planning	3.7085
061000296	City of Webster Master Drainage Plan	12040204	120402040100	06000106	Watershed Planning	6.5977
061000297	City of West University Place Master Drainage Plan	12040104	120401040402	06000084	Watershed Planning	1.9972
061000298	City of Willis Master Drainage Plan	12040101, 12040103	120401010403, 120401010401, 120401010204, 120401010205, 120401030102, 120401030101	06000022,06000020,06000008,06000009,06000047,06000046	Watershed Planning	4.7157
061000299	City of Woodbranch Master Drainage Plan	12040103	120401030105, 120401030109	06000050,06000054	Watershed Planning	2.0006

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000285	City of Splendora Master Drainage Plan	Urban/Local	City of Splendora	Splendora, Montgomery	Yes
061000286	City of Spring Valley Village Master Drainage Plan	Urban/Local	City of Spring Valley Village	Spring Valley Village, Harris County Flood Control District, Harris	Yes
061000287	City of Stafford Master Drainage Plan	Urban/Local	City of Stafford	Stafford, Fort Bend, Harris County Flood Control District, Harris	Yes
061000288	City of Stagecoach Master Drainage Plan	Riverine	City of Stagecoach	Montgomery, Stagecoach	No
061000289	City of Sugar Land Master Drainage Plan	Urban/Local	City of Sugar Land	Sugar Land, Fort Bend	Yes
061000290	City of Taylor Lake Village Master Drainage Plan	Riverine, Coastal	City of Taylor Lake Village	Taylor Lake Village, Harris County Flood Control District, Harris	No
061000291	City of Texas City Master Drainage Plan	Urban/Local	City of Texas City	Chambers, Texas City, Galveston	Yes
061000292	City of Tiki Island Master Drainage Plan	Urban/Local	City of Tiki Island	Tiki Island, Galveston	Yes
061000293	City of Todd Mission Master Drainage Plan	Riverine	City of Todd Mission	Grimes, Todd Mission	No
061000294	City of Tomball Master Drainage Plan	Riverine	City of Tomball	Tomball, Harris County Flood Control District, Harris	No
061000295	City of Waller Master Drainage Plan	Riverine	City of Waller	Waller, Waller	No
061000296	City of Webster Master Drainage Plan	Urban/Local	City of Webster	Webster, Harris County Flood Control District, Harris	Yes
061000297	City of West University Place Master Drainage Plan	Riverine	West University Place	West University Place, Harris County Flood Control District, Harris	No
061000298	City of Willis Master Drainage Plan	Riverine	City of Willis	Montgomery, Willis	No
061000299	City of Woodbranch Master Drainage Plan	Urban/Local	Woodbranch Village	Montgomery, Woodbranch Village	Yes

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000285	City of Splendora Master Drainage Plan	$ 210,000		231	119	329	0
061000286	City of Spring Valley Village Master Drainage Plan	$ 160,000		22	22	69	0
061000287	City of Stafford Master Drainage Plan	$ 280,000		0	0	0	0
061000288	City of Stagecoach Master Drainage Plan	$ 160,000		18	16	27	0
061000289	City of Sugar Land Master Drainage Plan	$ 540,000		0	0	0	0
061000290	City of Taylor Lake Village Master Drainage Plan	$ 170,000		852	838	1,955	0
061000291	City of Texas City Master Drainage Plan	$ 950,000		1284	700	2,121	16
061000292	City of Tiki Island Master Drainage Plan	$ 180,000		1006	978	1,681	6
061000293	City of Todd Mission Master Drainage Plan	$ 190,000		17	11	16	0
061000294	City of Tomball Master Drainage Plan	$ 350,000		47	29	457	0
061000295	City of Waller Master Drainage Plan	$ 100,000	General Revenue (0%)	148	82	578	4
061000296	City of Webster Master Drainage Plan	$ 280,000		209	164	1,940	0
061000297	City of West University Place Master Drainage Plan	$ 190,000	Internal CIP Dollars (20%)	939	922	2,931	6
061000298	City of Willis Master Drainage Plan	$ 250,000		61	18	342	0
061000299	City of Woodbranch Master Drainage Plan	$ 190,000		197	189	398	0

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000285	City of Splendora Master Drainage Plan	0	0	8.37	1.68		
061000286	City of Spring Valley Village Master Drainage Plan	0	0	0.57	0.00		
061000287	City of Stafford Master Drainage Plan	0	0	0.00	0.00		
061000288	City of Stagecoach Master Drainage Plan	0	0	0.77	0.01		
061000289	City of Sugar Land Master Drainage Plan	0	0	0.01	0.00		
061000290	City of Taylor Lake Village Master Drainage Plan	0	0	13.33	0.00		
061000291	City of Texas City Master Drainage Plan	3	3	46.23	569.91		
061000292	City of Tiki Island Master Drainage Plan	0	0	9.64	3.92		
061000293	City of Todd Mission Master Drainage Plan	0	0	0.00	1.12		
061000294	City of Tomball Master Drainage Plan	0	0	3.72	4.60		
061000295	City of Waller Master Drainage Plan	7	7	5.34	47.51		
061000296	City of Webster Master Drainage Plan	1	1	8.49	18.74		
061000297	City of West University Place Master Drainage Plan	0	0	11.90	0.00		
061000298	City of Willis Master Drainage Plan	0	0	1.67	0.93		
061000299	City of Woodbranch Master Drainage Plan	0	0	3.54	0.00		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000300	Town of Woodloch Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery
061000301	Brazoria Flood Mapping Updates	County wide study to produce flood mappping updates including Atlas 14 rainfall.	06000001, 06000010, 06000015	Brazoria
061000302	Chambers Flood Mapping Updates	County wide study to produce flood mappping updates including Atlas 14 rainfall.	06000001, 06000010, 06000015	Chambers
061000304	Galveston Flood Mapping Updates	County wide study to produce flood mappping updates including Atlas 14 rainfall.	06000001, 06000010, 06000015	Galveston
061000305	Grimes Flood Mapping Updates	County wide study to produce flood mappping updates including Atlas 14 rainfall.	06000001, 06000010, 06000015	Grimes
061000307	Montgomery Flood Mapping Updates	County wide study to produce flood mappping updates including Atlas 14 rainfall.	06000001, 06000010, 06000015	Montgomery
061000308	San Jacinto Flood Mapping Updates	County wide study to produce flood mappping updates including Atlas 14 rainfall.	06000001, 06000010, 06000015	San Jacinto
061000309	Walker Flood Mapping Updates	County wide study to produce flood mappping updates including Atlas 14 rainfall.	06000001, 06000010, 06000015	Walker

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000300	Town of Woodloch Master Drainage Plan	12040101	120401010402	06000021	Watershed Planning	0.0841
061000301	Brazoria Flood Mapping Updates	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Watershed Planning	1481.8698
061000302	Chambers Flood Mapping Updates	12040203	120402030105, 120402030104, 120402030106, 120402030200	06000103,06000102,06000104,06000105	Watershed Planning	865.5478
061000304	Galveston Flood Mapping Updates	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Watershed Planning	664.9483
061000305	Grimes Flood Mapping Updates	12040102, 12040101	120401010101, 120401010301, 120401010302, 120401010303, 120401010103, 120401010304, 120401010305, 120401010306, 120401020202, 120401020203, 120401020207, 120401020206	06000001, 06000012, 06000013, 06000014, 06000003, 06000015, 06000016, 06000017, 06000034, 06000035, 06000039, 06000038	Watershed Planning	798.8737
061000307	Montgomery Flood Mapping Updates	12040102, 12040101, 12040103	120401010101, 120401010301, 120401010302, 120401010303, 120401010103, 120401010304, 120401010305, 120401010306, 120401020202, 120401020203, 120401020207, 120401020206	06000001, 06000012, 06000013, 06000014, 06000003, 06000015, 06000016, 06000017, 06000034, 06000035, 06000039, 06000038	Watershed Planning	1072.6111
061000308	San Jacinto Flood Mapping Updates	12040103	120401030201, 120401030108, 120401030106, 120401030107, 120401030303, 120401030305, 120401030202, 120401030301, 120401030302, 120401030304, 120401030306, 120401030401, 120401030307, 120401030308	06000056,06000053,06000051,06000052,06000063,06000065,06000057,06000061,06000062,06000064,06000066,06000069,06000067,06000068	Watershed Planning	625.6853
061000309	Walker Flood Mapping Updates	12040101, 12040103	120401010104, 120401010101, 120401010102, 120401010103, 120401010201, 120401010202, 120401010203, 120401010204, 120401030101, 120401030106, 120401030303, 120401030305, 120401030301, 120401030302	06000004, 06000001, 06000002, 06000003, 06000005, 06000006, 06000007, 06000008, 06000046, 06000051, 06000063, 06000065, 06000061, 06000062	Watershed Planning	797.8365

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000300	Town of Woodloch Master Drainage Plan	Urban/Local	Town of Woodloch	Woodloch, Montgomery	Yes
061000301	Brazoria Flood Mapping Updates	Riverine, Urban/Local	Brazoria County	Brookside Village, Hillcrest Village, Brazoria, Pearland, Alvin, Manvel, Liverpool, Hitchcock, Iowa Colony, West Brazoria County Drainage District	Yes
061000302	Chambers Flood Mapping Updates	Riverine, Urban/Local	Chambers County	Seabrook, Mont Belvieu, Chambers, Morgan's Point, Pasadena, Texas City, Shoreacres, Baytown, Beach City, Kemah, Liberty County Water Control District 1	Yes
061000304	Galveston Flood Mapping Updates	Riverine, Urban/Local	Galveston County	League City, Kemah, Seabrook, Tiki Island, Friendswood, Texas City, Santa Fe, La Marque, Hitchcock, Bayou Vista, Galveston, Nassau Bay, Clear Lake Shores, Jamaica Beach, Dickinson	Yes
061000305	Grimes Flood Mapping Updates	Riverine, Urban/Local	Grimes County	Grimes, Todd Mission, Plantersville	Yes
061000307	Montgomery Flood Mapping Updates	Riverine, Urban/Local	Montgomery County	Splendora, Houston, Magnolia, Woodloch, Conroe, Cut and Shoot, Shenandoah, Cleveland, Montgomery, Stagecoach, Patton Village, Roman Forest, Tomball, Oak Ridge North, Panorama Village, Montgomery County Drainage District 9	Yes
061000308	San Jacinto Flood Mapping Updates	Riverine, Urban/Local	San Jacinto County	San Jacinto	Yes
061000309	Walker Flood Mapping Updates	Riverine, Urban/Local	Walker County	Huntsville, New Waverly, Walker	Yes

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000300	Town of Woodloch Master Drainage Plan	$ 50,000		85	80	233	0
061000301	Brazoria Flood Mapping Updates	$ 6,440,000		18836	14338	38,615	246
061000302	Chambers Flood Mapping Updates	$ 631,000		151	56	715	0
061000304	Galveston Flood Mapping Updates	$ 2,960,000		48545	42165	102,745	667
061000305	Grimes Flood Mapping Updates	$ 908,000		144	75	95	0
061000307	Montgomery Flood Mapping Updates	$ 4,700,000		21175	16916	42,121	116
061000308	San Jacinto Flood Mapping Updates	$ 1,419,000		1028	933	1,376	0
061000309	Walker Flood Mapping Updates	$ 1,747,000		505	437	545	0

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000300	Town of Woodloch Master Drainage Plan	0	0	1.02	0.00		
061000301	Brazoria Flood Mapping Updates	0	0	328.07	8,584.16		
061000302	Chambers Flood Mapping Updates	0	0	7.30	354.08		
061000304	Galveston Flood Mapping Updates	30	30	910.36	3,412.03		
061000305	Grimes Flood Mapping Updates	1	1	10.81	151.28		
061000307	Montgomery Flood Mapping Updates	72	72	409.34	852.38		
061000308	San Jacinto Flood Mapping Updates	1	1	47.93	63.12		
061000309	Walker Flood Mapping Updates	2	2	25.43	180.47		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000310	Waller Flood Mapping Updates	County wide study to produce flood mappping updates including Atlas 14 rainfall.	06000001, 06000010, 06000015	Waller
061000311	37th Street, Galveston, Drainage Project	Further study and FMP development of existing storm sewer system replacement and upgrades using the city's updated drainage criteria that now require a 25-year storm drainage capacity.	06000001, 06000011, 06000012, 06000015	Brazoria, Galveston
061000312	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek	Develop BCA to become a FMP. This project is part of the South Mayde Creek Plan that could reduce the risk of flooding for more than 70 homes and reduce the rainfall event by more than 340 acres in a pre-Atlas 1% rainfall event.	06000001, 06000011, 06000012, 06000015	Harris
061000313	Addicks Reservoir - Design and Construction of Dinner Creek Stormwater Detention Basin	Develop BCA to become a FMP. Project would provide additional stormwater detention in support of flood damage reduction and could reduce the risk of flooding for approximately 30 multi-family structures in Addicks Reservoir Watershed.	06000001, 06000011, 06000012, 06000015	Harris
061000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	Study to develop a BCA needed for this project to become a FMP. This project is part of the South Mayde Creek Plan to reduce flood risk 70+ homes & reduce the rainfall event by 340+ acres in pre-Atlas 1% rainfall event.	06000001, 06000011, 06000012, 06000015	Harris
061000317	Arcadian Gardens Subdivision Drainage Improvements	Study to develop a Cost Benefit Analysis and elevate the project to a FMP. To achieve this goal, the key features of improvments are to rehabilitate roadside swales, build new storm sewers and improve the outfall drainage conditions.	06000001, 06000011, 06000012, 06000015	Harris
061000318	Fort Bend County Willow Fork Channel Improvements	Further study and BCA development. Combo of 11 different channel improvements were identified along Willow Fork and its tributaries as part of the Fort Bend County Master Drainage Plan that, when combined, will provide a 100-year level of service.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris, Waller
061000319	Armand Bayou - Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Design and Construction of this stormwater detention basin could reduce the risk of flooding for over 400 structures in an Atlas 14 1% rainfall event.	06000001, 06000011, 06000012, 06000015	Harris
061000320	Warren Lake and Dam Retrofit	Further study of Retrofit dam to improve detention of flood & storm water runoff, new 137.3 ac wetlands complex added of storage capacity & conversion of fields to tallgrass prairies to add approximately 856 ac-ft of total storage during rainfall events.	06000001, 06000011, 06000012, 06000015	Harris
061000321	Armand Bayou Watershed- Basin Expansion and Extension and H&H Study (Phases 1 + 2)	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Channel modifications along B115-00-00 requires expansion of B500-04-00 and new detention property.	06000001, 06000011, 06000012, 06000015	Harris

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000310	Waller Flood Mapping Updates	12040102, 12040104	120401020102, 120401020103, 120401020204, 120401020101, 120401020201, 120401020202, 120401020203, 120401020205, 120401020207, 120401020206, 120401040102, 120401040103, 120401040101, 120401040203	06000027,06000028,06000036,06000026,06000033,06000034,06000035,06000037,06000039,06000038,06000072,06000073,06000071,06000077	Watershed Planning	515.9483
061000311	37th Street, Galveston, Drainage Project	12040204	120402040200	06000107	Project Planning	253.1708
061000312	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek	12040104	120401040102, 120401040202, 120401040104, 120401040203, 120401040303	06000072,06000076,06000074,06000077,06000080	Project Planning	15.5018
061000313	Addicks Reservoir - Design and Construction of Dinner Creek Stormwater Detention Basin	12040104	120401040201, 120401040202	06000075,06000076	Project Planning	13.0355
061000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	12040104	120401040202, 120401040104, 120401040203, 120401040303	06000076,06000074,06000077,06000080	Project Planning	13.1990
061000317	Arcadian Gardens Subdivision Drainage Improvements	12040104	120401040704	06000096	Project Planning	0.3189
061000318	Fort Bend County Willow Fork Channel Improvements	12040104	120401040102, 120401040103, 120401040104, 120401040101, 120401040401	06000072,06000073,06000074,06000071,06000083	Project Planning	46.0992
061000319	Armand Bayou - Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins	12040204	120402040100	06000106	Project Planning	4.7917
061000320	Warren Lake and Dam Retrofit	12040102	120401020103	06000028	Project Planning	2.1116
061000321	Armand Bayou Watershed- Basin Expansion and Extension and H&H Study (Phases 1 + 2)	12040204	120402040100	06000106	Project Planning	1.0924

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000310	Waller Flood Mapping Updates	Riverine, Urban/Local	Waller County	Prairie View, Houston, Waller, Katy	Yes
061000311	37th Street, Galveston, Drainage Project	Coastal, Urban/Local	City of Galveston	Galveston, Galveston	No
061000312	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000313	Addicks Reservoir - Design and Construction of Dinner Creek Stormwater Detention Basin	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000317	Arcadian Gardens Subdivision Drainage Improvements	Urban/Local	Harris County	Harris County Flood Control District, Harris	No
061000318	Fort Bend County Willow Fork Channel Improvements	Riverine	Fort Bend County Drainage District	Waller, Fort Bend, Harris County Flood Control District, Harris	No
061000319	Armand Bayou - Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins	Urban/Local	Harris County Flood Control District (HCFCD)	La Porte, Pasadena, Harris County Flood Control District, Harris	No
061000320	Warren Lake and Dam Retrofit	Riverine, Urban/Local	Coastal Prairie Conservancy	Harris County Flood Control District, Harris	No
061000321	Armand Bayou Watershed- Basin Expansion and Extension and H&H Study (Phases 1 + 2)	Riverine	Harris County Flood Control District (HCFCD)	Pasadena, Harris County Flood Control District, Harris	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000310	Waller Flood Mapping Updates	$ 2,300,000	General Revenue (10%)	1064	705	1,858	6
061000311	37th Street, Galveston, Drainage Project	$ 30,000		40129	34104	89,177	636
061000312	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek	$ 30,000		692	638	2,455	12
061000313	Addicks Reservoir - Design and Construction of Dinner Creek Stormwater Detention Basin	$ 30,000		381	367	2,094	1
061000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	$ 30,000		944	854	3,968	21
061000317	Arcadian Gardens Subdivision Drainage Improvements	$ 30,000		5	4	5	0
061000318	Fort Bend County Willow Fork Channel Improvements	$ 30,000		403	288	991	10
061000319	Armand Bayou - Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins	$ 30,000		63	16	390	0
061000320	Warren Lake and Dam Retrofit	$ 30,000		0	0	0	0
061000321	Armand Bayou Watershed- Basin Expansion and Extension and H&H Study (Phases 1 + 2)	$ 30,000		371	291	1,624	0

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000310	Waller Flood Mapping Updates	19	19	40.92	1,357.32		
061000311	37th Street, Galveston, Drainage Project	26	26	722.78	2,683.21		
061000312	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek	0	0	11.65	27.30		
061000313	Addicks Reservoir - Design and Construction of Dinner Creek Stormwater Detention Basin	0	0	4.64	13.34		
061000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	0	0	15.67	19.43		
061000317	Arcadian Gardens Subdivision Drainage Improvements	0	0	0.02	0.00		
061000318	Fort Bend County Willow Fork Channel Improvements	2	2	8.47	80.04		
061000319	Armand Bayou - Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins	0	0	2.81	6.16		
061000320	Warren Lake and Dam Retrofit	0	0	0.00	183.20		
061000321	Armand Bayou Watershed- Basin Expansion and Extension and H&H Study (Phases 1 + 2)	0	0	3.84	0.00		

FME ID	FME Name	Description	Associated Goal No.	Counties
061000322	Jackson Bayou Watershed Planning Project- Immediate: First Street Crossing Mitigation	Develop BCA to become a FMP. Priority ranking #1, 0.5 mile upstream along Jackson Bayou identified to fulfill mitigation efforts. Culvert upsizing recommended at First Street. Improvements produced need or 32.4 acre-feet of detention.	06000001, 06000011, 06000012, 06000015	Harris
061000323	B106-WP01 & WP02 for Armand Bayou Watershed	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Conveyance improvements for B106-00-00 channel, including detention/mitigation storage.	06000001, 06000011, 06000012, 06000015	Harris
061000324	Barker Reservoir Flood Risk Reduction and Park Project	Study to further the proposed project. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris, Waller
061000325	Beaumont Place Subdivision Drainage Improvement Phase 2	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris
061000326	I100-WP01 Vince Bayou Watershed Planning Project Recommendation	Study to develop a BCR required for this project to become a FMP. Alt-6 Detention basin and channel widening near Strawberry Road on left bank of Vince Bayou.	06000001, 06000011, 06000012, 06000015	Harris
061000327	Blalock Road Drainage Improvement Project	Study to further the proposed project that includes increasing the capacity of the drainage system with a 9'x9' RCB to replace dual 36-inch RCP along the east side of the road and an open ditch with driveway culverts on the west side of the road.	06000001, 06000011, 06000012, 06000015	Harris
061000328	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	Study to develop a BCR required for this project to become a FMP. A project could reduce the risk flooding for over 2,500 structures and could reduce the frequency and duration of flooding along about 100 miles of roadway.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris
061000329	I100-WP06 for Vince Bayou Watershed Planning Project	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Right-of-way acquisition, design, and construction of a stormwater detention basin and channel widening near Strawberry Road and Young Street.	06000001, 06000011, 06000012, 06000015	Harris
061000330	I100-WP10 for Vince Bayou Watershed Planning Project	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Right-of-way acquisition, Design, and Construction of Two Stormwater Detention Basins near Westside Dr. and Westside. Ct.	06000001, 06000011, 06000012, 06000015	Harris
061000331	I100-WP07 for Vince Bayou Watershed Planning Project	Study to develop a BCR needed for this project to become a FMP. Pasadena (CIP) Street Lowering (Various). Right-of-way acquisition, Design, and Construction of Stormwaters Detention Basin and construction of Culverts near Pasadena Blvd..	06000001, 06000011, 06000012, 06000015	Harris
061000332	I100-WP11 for Vince Bayou Watershed Planning Project	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Right-of-way acquisition, Design, and Construction of Stormwater Detention Basins near Spencer Hwy. and Tulip Street.	06000001, 06000011, 06000012, 06000015	Harris
061000333	Carpenters Planing Study Cloverleaf Community Flood Risk Reduction Project (Phase 1 and 2)	Study to develop a BCR required for this project to become a FMP. Drainage system upgrade using combination of 9'x7' RCB spanning 3,000' and a 109 acre-feet detention facility providing drainage relief for this portion of the Cloverleaf Community.	06000001, 06000011, 06000012, 06000015	Harris

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000322	Jackson Bayou Watershed Planning Project- Immediate: First Street Crossing Mitigation	12040104	120401040704	06000096	Project Planning	0.5140
061000323	B106-WP01 & WP02 for Armand Bayou Watershed	12040204, 12040104	120401040706, 120402040100	06000098,06000106	Project Planning	9.7738
061000324	Barker Reservoir Flood Risk Reduction and Park Project	12040104	120401040103	06000073	Project Planning	27.0760
061000325	Beaumont Place Subdivision Drainage Improvement Phase 2	12040104	120401040606	06000092	Project Planning	1.4137
061000326	I100-WP01 Vince Bayou Watershed Planning Project Recommendation	12040104, 12040204	120401040703, 120402040100, 120401040502	06000086,06000095,06000106	Project Planning	15.2319
061000327	Blalock Road Drainage Improvement Project	12040104	120401040302, 120401040303	06000079,06000080	Project Planning	6.6978
061000328	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	12040104	120401040401	06000083	Project Planning	22.8776
061000329	I100-WP06 for Vince Bayou Watershed Planning Project	12040204, 12040104	120401040703, 120402040100, 120401040502	06000086,06000095,06000106	Project Planning	15.2319
061000330	I100-WP10 for Vince Bayou Watershed Planning Project	12040204, 12040104	120401040703, 120402040100, 120401040502	06000086,06000095,06000106	Project Planning	15.2319
061000331	I100-WP07 for Vince Bayou Watershed Planning Project	12040204, 12040104	120401040703, 120402040100, 120401040502	06000086,06000095,06000106	Project Planning	15.2319
061000332	I100-WP11 for Vince Bayou Watershed Planning Project	12040204, 12040104	120401040703, 120402040100, 120401040502	06000086,06000095,06000106	Project Planning	15.2319
061000333	Carpenters Planing Study Cloverleaf Community Flood Risk Reduction Project (Phase 1 and 2)	12040104	120401040702, 120401040606	06000094,06000092	Project Planning	0.7363

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000322	Jackson Bayou Watershed Planning Project- Immediate: First Street Crossing Mitigation	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County Flood Control District, Harris	No
061000323	B106-WP01 & WP02 for Armand Bayou Watershed	Riverine, Urban/Local	Harris County	La Porte, Pasadena, Harris County Flood Control District, Harris	No
061000324	Barker Reservoir Flood Risk Reduction and Park Project	Riverine, Urban/Local	Willow Fork Drainage District	Houston, Harris County Flood Control District, Harris	No
061000325	Beaumont Place Subdivision Drainage Improvement Phase 2	Urban/Local	Harris County	Houston, Harris County Flood Control District, Harris	No
061000326	I100-WP01 Vince Bayou Watershed Planning Project Recommendation	Riverine	Harris County Flood Control District (HCFCD)	Pasadena, Harris County Flood Control District, Harris	No
061000327	Blalock Road Drainage Improvement Project	Urban/Local	City of Piney Point Village	Houston, Harris County Flood Control District, Harris	No
061000328	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	Urban/Local	Harris County Flood Control District (HCFCD)	Fort Bend, Harris County Flood Control District, Harris	No
061000329	I100-WP06 for Vince Bayou Watershed Planning Project	Riverine, Coastal	Harris County	Pasadena, Harris County Flood Control District, Harris	No
061000330	I100-WP10 for Vince Bayou Watershed Planning Project	Riverine, Coastal	Harris County	Pasadena, Harris County Flood Control District, Harris	No
061000331	I100-WP07 for Vince Bayou Watershed Planning Project	Riverine, Coastal	Harris County	Pasadena, Harris County Flood Control District, Harris	No
061000332	I100-WP11 for Vince Bayou Watershed Planning Project	Riverine, Coastal	Harris County	Pasadena, Harris County Flood Control District, Harris	No
061000333	Carpenters Planing Study Cloverleaf Community Flood Risk Reduction Project (Phase 1 and 2)	Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000322	Jackson Bayou Watershed Planning Project- Immediate: First Street Crossing Mitigation	$ 30,000		111	83	495	8
061000323	B106-WP01 & WP02 for Armand Bayou Watershed	$ 30,000		473	344	1,478	0
061000324	Barker Reservoir Flood Risk Reduction and Park Project	$ 30,000		115	105	252	2
061000325	Beaumont Place Subdivision Drainage Improvement Phase 2	$ 30,000		103	94	679	3
061000326	I100-WP01 Vince Bayou Watershed Planning Project Recommendation	$ 30,000		1144	842	4,840	11
061000327	Blalock Road Drainage Improvement Project	$ 30,000		35	25	258	1
061000328	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	$ 30,000		2549	2257	19,524	27
061000329	I100-WP06 for Vince Bayou Watershed Planning Project	$ 30,000		1144	842	4,840	11
061000330	I100-WP10 for Vince Bayou Watershed Planning Project	$ 30,000		1144	842	4,840	11
061000331	I100-WP07 for Vince Bayou Watershed Planning Project	$ 30,000		1144	842	4,840	11
061000332	I100-WP11 for Vince Bayou Watershed Planning Project	$ 30,000		1144	842	4,840	11
061000333	Carpenters Planing Study Cloverleaf Community Flood Risk Reduction Project (Phase 1 and 2)	$ 30,000		0	0	0	0

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000322	Jackson Bayou Watershed Planning Project- Immediate: First Street Crossing Mitigation	0	0	1.40	1.75		
061000323	B106-WP01 & WP02 for Armand Bayou Watershed	0	0	7.05	20.94		
061000324	Barker Reservoir Flood Risk Reduction and Park Project	0	0	1.41	20.46		
061000325	Beaumont Place Subdivision Drainage Improvement Phase 2	0	0	1.59	4.22		
061000326	I100-WP01 Vince Bayou Watershed Planning Project Recommendation	1	1	19.07	1.87		
061000327	Blalock Road Drainage Improvement Project	0	0	0.29	0.00		
061000328	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	0	0	39.29	3.39		
061000329	I100-WP06 for Vince Bayou Watershed Planning Project	1	1	19.07	1.87		
061000330	I100-WP10 for Vince Bayou Watershed Planning Project	1	1	19.07	1.87		
061000331	I100-WP07 for Vince Bayou Watershed Planning Project	1	1	19.07	1.87		
061000332	I100-WP11 for Vince Bayou Watershed Planning Project	1	1	19.07	1.87		
061000333	Carpenters Planing Study Cloverleaf Community Flood Risk Reduction Project (Phase 1 and 2)	0	0	0.00	0.00		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000334	Goose Creek Flood Risk Reduction Phase 1	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. 1.65 Miles of Goose Creek channel modifications (Downstream of IH 10) with proposed detention basin "J".	06000001, 06000011, 06000012, 06000015	Harris
061000335	Goose Creek Flood Risk Reduction Phase 2	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. 1.00 Mile of Goose Creek channel modifications (Upstream of IH 10) with proposed detention basin "I".	06000001, 06000011, 06000012, 06000015	Harris
061000336	Goose Creek Flood Risk Reduction Phase 3	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Local channel modifications and crossing structure improvements along O117 and O126.	06000001, 06000011, 06000012, 06000015	Harris
061000337	Spring Creek Watershed Plan- Recommended Alternative for PA-02: J131-01-00 Storm Sewer improvements & channel modification	Study to develop a BCR required for this project to become a FMP. Channel modifications along J131-01 & storm sewer improvements under Zion Road, reduces sheetflow by providing positive drainage outfall for ~200 ac of land.	06000001, 06000011, 06000012, 06000015	Harris
061000338	Willow Creek Watershed Plan - Immediate: Selective Clearing BNRR to Mouth	Study to develop a BCR required for this project to become a FMP. Selective clearing from BNRR to mouth to increase riverine storm water conveyance, maintain tree canopy & veg. diversity, minimize impact on riparian & uplands habitats.	06000001, 06000011, 06000012, 06000015	Harris
061000339	Willow Creek Watershed Plan - M120 Detention/Preservation Site	Study to develop BCA to become a FMP. Pursue purchase of property for regional detention, floodplain preservation, & habitat preservation.	06000001, 06000011, 06000012, 06000015	Harris
061000340	Willow Creek Watershed Plan - FM2920 Stormwater Detention Basin	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Proposed 826 acre-feet detention basin located near FM 2920 crossing of Willow Creek.	06000001, 06000011, 06000012, 06000015	Harris
061000341	Willow Creek Watershed Plan - Kuykendahl Basin	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Proposed 727 acre-feet detention basin located near Kuykendahl Road crossing of Willow Creek.	06000001, 06000011, 06000012, 06000015	Harris
061000342	Willow Creek Watershed Plan - M121 Basin Stormwater Detention Basin	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Proposed 1010 acre-feet detention basin located near M121 tributary.	06000001, 06000011, 06000012, 06000015	Harris
061000343	Galveston Bay Watershed Plan- PA01 (N+6) Channel & Crossing Improvements	Develop BCA to become FMP. Channel deepening from N Broadway St to N Utah St, convert open channel segment to closed conduit w/ 8'x5' concrete boxes b/w N Utah St & Main St, replace concrete pipe w/ dual 8'x5' concrete box culvert outfall to F212.	06000001, 06000011, 06000012, 06000015	Harris
061000344	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	Study to develop a BCA to become FMP. This stormwater detention basin compliments the federal project on White Oak Bayou which will reduce the risk of flooding for 1,800 structures in an Atlas 14 1% rainfall event.	06000001, 06000011, 06000012, 06000015	Harris
061000345	Spring Gully Watershed Planning Project- Project Phase I	Develop BCA to become FMP. 108 ac-ft of detention storage. Basin A w/ 95 ac-ft of storage, 10 ft depth, inlet & outlet structures consist of 2 culverts & weir. Basin B w/ 13 ac-ft of storage, 10.5 ft depth, inlet & outlet structures of culvert & weir.	06000001, 06000011, 06000012, 06000015	Harris

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000334	Goose Creek Flood Risk Reduction Phase 1	12040104	120401040705, 120401040706	06000097,06000098	Project Planning	34.8319
061000335	Goose Creek Flood Risk Reduction Phase 2	12040104	120401040705, 120401040706	06000097,06000098	Project Planning	34.8319
061000336	Goose Creek Flood Risk Reduction Phase 3	12040104	120401040705	06000097	Project Planning	34.8319
061000337	Spring Creek Watershed Plan- Recommended Alternative for PA-02: J131-01-00 Storm Sewer improvements & channel modification	12040102	120401020209, 120401020210, 120401020205	06000037,06000041,06000042	Project Planning	4.6975
061000338	Willow Creek Watershed Plan - Immediate: Selective Clearing BNRR to Mouth	12040102	120401020106, 120401020209, 120401020210, 120401020212	06000031,06000041,06000042,06000044	Project Planning	27.8179
061000339	Willow Creek Watershed Plan - M120 Detention/Preservation Site	12040102	120401020212, 120401020106, 120401020210, 120401020209, 120401020205, 120401020105	06000030,06000031,06000037,06000041,06000042,06000044	Project Planning	55.3661
061000340	Willow Creek Watershed Plan - FM2920 Stormwater Detention Basin	12040102	120401020212, 120401020106, 120401020210, 120401020209, 120401020205, 120401020105	06000030,06000031,06000037,06000041,06000042,06000044	Project Planning	55.3661
061000341	Willow Creek Watershed Plan - Kuykendahl Basin	12040102	120401020212, 120401020106, 120401020210, 120401020209, 120401020205, 120401020105	06000030,06000031,06000037,06000041,06000042,06000044	Project Planning	55.3661
061000342	Willow Creek Watershed Plan - M121 Basin Stormwater Detention Basin	12040102	120401020212, 120401020106, 120401020210, 120401020209, 120401020205, 120401020105	06000030,06000031,06000037,06000041,06000042,06000044	Project Planning	55.3661
061000343	Galveston Bay Watershed Plan- PA01 (N+6) Channel & Crossing Improvements	12040204	120402040100	06000106	Project Planning	1.1330
061000344	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	12040102, 12040104	120401020104, 120401020106, 120401040601, 120401040302, 120401040604, 120401040303, 120401040304, 120401040301	06000029,06000031,06000087,06000079,06000090,06000080,06000081,06000078	Project Planning	79.4479
061000345	Spring Gully Watershed Planning Project- Project Phase I	12040104	120401040705	06000097	Project Planning	3.3129

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000334	Goose Creek Flood Risk Reduction Phase 1	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Baytown, Harris County Flood Control District, Harris	No
061000335	Goose Creek Flood Risk Reduction Phase 2	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Baytown, Harris County Flood Control District, Harris	No
061000336	Goose Creek Flood Risk Reduction Phase 3	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Baytown, Harris County Flood Control District, Harris	No
061000337	Spring Creek Watershed Plan- Recommended Alternative for PA-02: J131-01-00 Storm Sewer improvements & channel modification	Riverine	Harris County Flood Control District (HCFCD)	Tomball, Harris County Flood Control District, Harris	No
061000338	Willow Creek Watershed Plan - Immediate: Selective Clearing BNRR to Mouth	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000339	Willow Creek Watershed Plan - M120 Detention/Preservation Site	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000340	Willow Creek Watershed Plan - FM2920 Stormwater Detention Basin	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000341	Willow Creek Watershed Plan - Kuykendahl Basin	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000342	Willow Creek Watershed Plan - M121 Basin Stormwater Detention Basin	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000343	Galveston Bay Watershed Plan- PA01 (N+6) Channel & Crossing Improvements	Riverine	Harris County Flood Control District (HCFCD)	La Porte, Morgan's Point, Harris County Flood Control District, Harris	No
061000344	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000345	Spring Gully Watershed Planning Project- Project Phase I	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County Flood Control District, Harris	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000334	Goose Creek Flood Risk Reduction Phase 1	$ 30,000		1882	1508	5,995	64
061000335	Goose Creek Flood Risk Reduction Phase 2	$ 30,000		1882	1508	5,995	64
061000336	Goose Creek Flood Risk Reduction Phase 3	$ 30,000		1882	1508	5,995	64
061000337	Spring Creek Watershed Plan- Recommended Alternative for PA-02: J131-01-00 Storm Sewer improvements & channel modification	$ 30,000		15	12	25	1
061000338	Willow Creek Watershed Plan - Immediate: Selective Clearing BNRR to Mouth	$ 30,000	2018 Bond Fund	860	698	1,435	6
061000339	Willow Creek Watershed Plan - M120 Detention/Preservation Site	$ 30,000	2018 Bond Fund	1317	1019	2,575	7
061000340	Willow Creek Watershed Plan - FM2920 Stormwater Detention Basin	$ 30,000		1317	1019	2,575	7
061000341	Willow Creek Watershed Plan - Kuykendahl Basin	$ 30,000		1317	1019	2,575	7
061000342	Willow Creek Watershed Plan - M121 Basin Stormwater Detention Basin	$ 30,000		1317	1019	2,575	7
061000343	Galveston Bay Watershed Plan- PA01 (N+6) Channel & Crossing Improvements	$ 30,000		259	234	562	7
061000344	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	$ 30,000		11091	9574	60,414	86
061000345	Spring Gully Watershed Planning Project- Project Phase I	$ 30,000		346	266	588	0

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000334	Goose Creek Flood Risk Reduction Phase 1	1	1	32.83	73.13		
061000335	Goose Creek Flood Risk Reduction Phase 2	1	1	32.83	73.13		
061000336	Goose Creek Flood Risk Reduction Phase 3	1	1	32.83	73.13		
061000337	Spring Creek Watershed Plan- Recommended Alternative for PA-02: J131-01-00 Storm Sewer improvements & channel modification	1	1	0.81	0.60		
061000338	Willow Creek Watershed Plan - Immediate: Selective Clearing BNRR to Mouth	5	5	11.35	15.99		
061000339	Willow Creek Watershed Plan - M120 Detention/Preservation Site	8	8	36.03	68.14		
061000340	Willow Creek Watershed Plan - FM2920 Stormwater Detention Basin	8	8	36.03	68.14		
061000341	Willow Creek Watershed Plan - Kuykendahl Basin	8	8	36.03	68.14		
061000342	Willow Creek Watershed Plan - M121 Basin Stormwater Detention Basin	8	8	36.03	68.14		
061000343	Galveston Bay Watershed Plan- PA01 (N+6) Channel & Crossing Improvements	0	0	5.10	0.14		
061000344	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	0	0	163.81	24.31		
061000345	Spring Gully Watershed Planning Project- Project Phase I	0	0	2.42	0.00		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000346	Spring Gully Watershed Planning Project- Project Phase II	Develop BCA to become a FMP. Independent of Phase I. Phase II includes addition of Stormwater Detention Basin C, with 80 acre-feet of detention storage w/ 9.5 ft depth & an inlet and outlet structure consisting of a culvert & a weir.	06000001, 06000011, 06000012, 06000015	Harris
061000347	Spring Gully Watershed Planning Project- Project Phase III	Complete after phase 2. Relief channel intended to outfall into Stormwater Detention Basin C from Phase 2. Consists of trapezoidal 850-foot channel with cross culvert sized at Prairie Street. Upstream of the culvert crossing, the bottom width is 8 ft.	06000001, 06000011, 06000012, 06000015	Harris
061000348	Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F216-00-00	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. The project could reduce the risk of flooding for more than 450 structures in an Atlas 14 1% rainfall event.	06000001, 06000011, 06000012, 06000015	Harris
061000349	Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F101-06-00	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. The project could reduce the risk of flooding for over 40 structures in an Atlas 14 1% rainfall event.	06000001, 06000011, 06000012, 06000015	Harris
061000350	Galveston Bay Watershed Plan- PA04 (S+4) Crossing Improvements	Recommended alternative directly addresses need for improved channel conveyance by increasing the size of the crossings at El Jardin Dr and Youpon Dr. to 8'x5' box culverts.	06000001, 06000011, 06000012, 06000015	Chambers, Harris
061000353	TC Jester Detention Basin	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of a 25 acre stormwater detention basin. Estimated construction cost is $10,047,910. This application is requesting $10,000,000.00 of these funds.	06000001, 06000011, 06000012, 06000015	Harris
061000354	Halls Bayou Drainage Project Bond C-26 & C-27	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris
061000355	Halls Bayou Drainage Project Bond C-01	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris
061000356	Westador Stormwater Detention Basin	Study to develop a BCR required for this project to become a FMP. The Westador Detention Basin is a proposed detention mitigation project within the Cypress Creek Watershed and located south of Cypress Creek and east and west of K141-00-00.	06000001, 06000011, 06000012, 06000015	Harris
061000357	Cypress Creek Implementation Plan - Various Detention Sites	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. The Implementation Plan identifies that approximately 14,000 acre-feet of stormwater detention volume across 23 different sites reducing flooding risk.	06000001, 06000011, 06000012, 06000015	Harris
061000358	Little Cypress Creek - Management, Right-of-Way Acquisition, Design and Construction of the Little Cypress Creek Frontier Program	Study to develop a BCR required for this to become a FMP. The Little Cypress Creek Frontier program will reduce the risk of flooding and include detention, sediment control, vegetation management and other flood risk management projects.	06000001, 06000011, 06000012, 06000015	Harris

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000346	Spring Gully Watershed Planning Project- Project Phase II	12040104	120401040705	06000097	Project Planning	3.3129
061000347	Spring Gully Watershed Planning Project- Project Phase III	12040104	120401040705	06000097	Project Planning	3.3129
061000348	Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F216-00-00	12040204, 12040104	120401040706, 120402040100	06000098,06000106	Project Planning	2.9095
061000349	Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F101-06-00	12040204, 12040104	120401040706, 120402040100	06000098,06000106	Project Planning	2.0145
061000350	Galveston Bay Watershed Plan- PA04 (S+4) Crossing Improvements	12040204	120402040100	06000106	Project Planning	0.5000
061000353	TC Jester Detention Basin	12040102, 12040104	120401020106, 120401020107, 120401020210, 120401020212, 120401020213, 120401040601, 120401040602, 120401040603	06000031,06000032,06000042,06000044,06000045,06000087,06000088,06000089	Project Planning	92.8062
061000354	Halls Bayou Drainage Project Bond C-26 & C-27	12040104	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091,06000087,06000079,06000090,06000092,06000081,06000089,06000093	Project Planning	1.5696
061000355	Halls Bayou Drainage Project Bond C-01	12040104	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091,06000087,06000079,06000090,06000092,06000081,06000089,06000093	Project Planning	6.0113
061000356	Westador Stormwater Detention Basin	12040102, 12040104	120401020106, 120401020107, 120401020210, 120401020212, 120401020213, 120401040601, 120401040602, 120401040603	06000031,06000032,06000042,06000044,06000045,06000087,06000088,06000089	Project Planning	92.8062
061000357	Cypress Creek Implementation Plan - Various Detention Sites	12040102, 12040104	120401020104, 120401020106, 120401020105, 120401020107, 120401020210, 120401020213, 120401040601, 120401040201, 120401040301, 120401040602	06000029,06000031,06000030,06000032,06000042,06000045,06000087,06000075,06000078,06000088	Project Planning	118.3625
061000358	Little Cypress Creek - Management, Right-of-Way Acquisition, Design and Construction of the Little Cypress Creek Frontier Program	12040102	120401020103, 120401020104, 120401020106, 120401020101, 120401020105, 120401020205, 120401020210	06000028,06000029,06000031,06000026,06000030,06000037,06000042	Project Planning	52.0985

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FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000346	Spring Gully Watershed Planning Project- Project Phase II	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County Flood Control District, Harris	No
061000347	Spring Gully Watershed Planning Project- Project Phase III	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County Flood Control District, Harris	No
061000348	Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F216-00-00	Riverine, Coastal	Harris County Flood Control District (HCFCD)	La Porte, Harris County Flood Control District, Harris	No
061000349	Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F101-06-00	Urban/Local	Harris County Flood Control District (HCFCD)	La Porte, Harris County Flood Control District, Harris	No
061000350	Galveston Bay Watershed Plan- PA04 (S+4) Crossing Improvements	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Seabrook, Pasadena, Harris County Flood Control District, Harris	No
061000353	TC Jester Detention Basin	Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000354	Halls Bayou Drainage Project Bond C-26 & C-27	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000355	Halls Bayou Drainage Project Bond C-01	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000356	Westador Stormwater Detention Basin	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000357	Cypress Creek Implementation Plan - Various Detention Sites	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000358	Little Cypress Creek - Management, Right-of-Way Acquisition, Design and Construction of the Little Cypress Creek Frontier Program	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000346	Spring Gully Watershed Planning Project- Project Phase II	$ 30,000		346	266	588	0
061000347	Spring Gully Watershed Planning Project- Project Phase III	$ 30,000		346	266	588	0
061000348	Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F216-00-00	$ 30,000		384	256	800	7
061000349	Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F101-06-00	$ 30,000		0	0	0	0
061000350	Galveston Bay Watershed Plan- PA04 (S+4) Crossing Improvements	$ 30,000		190	185	390	0
061000353	TC Jester Detention Basin	$ 30,000		2993	2412	11,450	51
061000354	Halls Bayou Drainage Project Bond C-26 & C-27	$ 30,000		1431	1009	4,495	8
061000355	Halls Bayou Drainage Project Bond C-01	$ 30,000		3186	2295	7,827	13
061000356	Westador Stormwater Detention Basin	$ 30,000		2993	2412	11,450	51
061000357	Cypress Creek Implementation Plan - Various Detention Sites	$ 30,000		4098	3397	14,047	70
061000358	Little Cypress Creek - Management, Right-of-Way Acquisition, Design and Construction of the Little Cypress Creek Frontier Program	$ 30,000		1213	1029	2,734	14

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000346	Spring Gully Watershed Planning Project- Project Phase II	0	0	2.42	0.00		
061000347	Spring Gully Watershed Planning Project- Project Phase III	0	0	2.42	0.00		
061000348	Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F216-00-00	0	0	10.15	0.67		
061000349	Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F101-06-00	0	0	0.00	0.00		
061000350	Galveston Bay Watershed Plan- PA04 (S+4) Crossing Improvements	0	0	2.77	0.42		
061000353	TC Jester Detention Basin	4	4	59.86	44.08		
061000354	Halls Bayou Drainage Project Bond C-26 & C-27	1	1	9.65	0.00		
061000355	Halls Bayou Drainage Project Bond C-01	1	1	31.84	0.23		
061000356	Westador Stormwater Detention Basin	4	4	59.86	44.08		
061000357	Cypress Creek Implementation Plan - Various Detention Sites	3	3	80.20	75.17		
061000358	Little Cypress Creek - Management, Right-of-Way Acquisition, Design and Construction of the Little Cypress Creek Frontier Program	4	4	18.59	192.02		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000360	G103-38-00 (Kingwood Diversion Ditch)	Study to develop a BCR required for this to become a FMP. Improvements to the Kingwood Diversion Ditch include channel modifications, flow diversion from Bens Branch, bridge replacements, as well as a new outfall to the West Fork San Jacinto River.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery
061000361	G103-80-03.1B (Taylor Gully)	Study to develop a BCR required for this project to become a FMP. Improvements to Taylor Gully include two miles of channel conveyance improvements to the upper limits of Taylor Gully and a concrete low flow structure.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery
061000362	Goose Creek O119-00-00-P001 (Alt 2A1)	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of channel modifications and in-line stormwater detention along O119 to facilitate Harris County drainage improvements in Highland Mobile Estates.	06000001, 06000011, 06000012, 06000015	Harris
061000363	Goose Creek O119-00-00-P001 (Alt 2A3)	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Secondary option for the recommended alternative with less benefits and project cost.	06000001, 06000011, 06000012, 06000015	Harris
061000364	Sims Bayou C116 Storm Sewer Improvement (C116-00-00-P001) From Mykawa Road to Telephone Road	Study to develop a BCR required for this project to become a FMP. To increase the system C116 capacity, Alternative 1 adds capacity to the C116 system trunkline through an additional parallel trunkline, from Dixie Drive to Sims Bayou.	06000001, 06000011, 06000012, 06000015	Harris
061000365	Greens Bayou (P100-00-00) Mid-Reach Channel Conveyance Improvements From John F. Kennedy Blvd to Veterans Memorial Drive (Ultimate Project (Alternative 3))	Study to develop a BCR required for this project to become a FMP. 2,000 ac-ft proposed Hardy stormwater detention basin and channel conveyance improvements throughout the Green's Bayou Mid-Reach (From John F. Kennedy Blvd to Veterans Memorial Drive).	06000001, 06000011, 06000012, 06000015	Harris
061000366	Greens Bayou - Planning, Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along P138-01-01	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Potential federal funded project, the risk of flooding could be reduced for approximately 100 structures in a pre-Atlas 1% rainfall event.	06000001, 06000011, 06000012, 06000015	Harris
061000367	Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou (Q100-00-00)	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou.	06000001, 06000011, 06000012, 06000015	Chambers, Harris
061000368	Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence.	06000001, 06000011, 06000012, 06000015	Harris, Liberty
061000369	Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou (Q100-00-00)	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou.	06000001, 06000011, 06000012, 06000015	Chambers, Harris

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000360	G103-38-00 (Kingwood Diversion Ditch)	12040101, 12040103	120401030110, 120401010501	06000024,06000055	Project Planning	7.9832
061000361	G103-80-03.1B (Taylor Gully)	12040101, 12040103	120401010501, 120401030110, 120401030402	06000024,06000055,06000070	Project Planning	2.0501
061000362	Goose Creek O119-00-00-P001 (Alt 2A1)	12040203, 12040104	120401040705, 120402030104	06000097,06000102	Project Planning	0.2278
061000363	Goose Creek O119-00-00-P001 (Alt 2A3)	12040203, 12040104	120401040705, 120402030104	06000097,06000102	Project Planning	0.2278
061000364	Sims Bayou C116 Storm Sewer Improvement (C116-00-00-P001) From Mykawa Road to Telephone Road	12040104	120401040502	06000086	Project Planning	1.3923
061000365	Greens Bayou (P100-00-00) Mid-Reach Channel Conveyance Improvements From John F. Kennedy Blvd to Veterans Memorial Drive (Ultimate Project (Alternative 3))	12040102, 12040101, 12040104	120401010502, 120401010501, 120401020106, 120401020107, 120401040605, 120401040703, 120401040601, 120401040702, 120401040302, 120401040604, 120401040606, 120401040301, 120401040602, 120401040603, 120401040701	06000025,06000024,06000031,06000032,06000091,06000095,06000087,06000094,06000079,06000090,06000092,06000078,06000088,06000089,06000093	Project Planning	13.7159
061000366	Greens Bayou - Planning, Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along P138-01-01	12040104	120401040604, 120401040603	06000090,06000089	Project Planning	1.0614
061000367	Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou (Q100-00-00)	12040203, 12040104	120401040706, 120402030106, 120402030200	06000098,06000104,06000105	Project Planning	28.4158
061000368	Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence	12040103, 12040203, 12040104	120401030205, 120401040705, 120401040706, 120401040704, 120402030105, 120402030104, 120402030103, 120402030106, 120402030102, 120402030200, 120402030101	06000060,06000097,06000098,06000096,06000103,06000102,06000101,06000104,06000100,06000105,06000099	Project Planning	3.5186
061000369	Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou (Q100-00-00)	12040203, 12040104	120401040706, 120402030105, 120402030106	06000098,06000103,06000104	Project Planning	18.7141

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000360	G103-38-00 (Kingwood Diversion Ditch)	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000361	G103-80-03.1B (Taylor Gully)	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000362	Goose Creek O119-00-00-P001 (Alt 2A1)	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000363	Goose Creek O119-00-00-P001 (Alt 2A3)	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000364	Sims Bayou C116 Storm Sewer Improvement (C116-00-00-P001) From Mykawa Road to Telephone Road	Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000365	Greens Bayou (P100-00-00) Mid-Reach Channel Conveyance Improvements From John F. Kennedy Blvd to Veterans Memorial Drive (Ultimate Project (Alternative 3))	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County Flood Control District, Harris	No
061000366	Greens Bayou - Planning, Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along P138-01-01	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District, Harris	No
061000367	Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou (Q100-00-00)	Urban/Local	Harris County Flood Control District (HCFCD)	Harris, Harris County Flood Control District, Chambers	No
061000368	Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence	Riverine	Harris County Flood Control District (HCFCD)	Liberty, Harris, Harris County Flood Control District, Chambers	No
061000369	Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou (Q100-00-00)	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Chambers, Baytown, Harris, Harris County Flood Control District	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000360	G103-38-00 (Kingwood Diversion Ditch)	$ 30,000		295	113	1,119	7
061000361	G103-80-03.1B (Taylor Gully)	$ 30,000		582	582	1,517	0
061000362	Goose Creek O119-00-00-P001 (Alt 2A1)	$ 30,000		0	0	0	0
061000363	Goose Creek O119-00-00-P001 (Alt 2A3)	$ 30,000		0	0	0	0
061000364	Sims Bayou C116 Storm Sewer Improvement (C116-00-00-P001) From Mykawa Road to Telephone Road	$ 30,000		0	0	0	0
061000365	Greens Bayou (P100-00-00) Mid-Reach Channel Conveyance Improvements From John F. Kennedy Blvd to Veterans Memorial Drive (Ultimate Project (Alternative 3))	$ 30,000		3244	2190	42,758	60
061000366	Greens Bayou - Planning, Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along P138-01-01	$ 30,000		41	35	133	0
061000367	Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou (Q100-00-00)	$ 30,000		230	174	774	7
061000368	Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence	$ 30,000		174	138	241	0
061000369	Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou (Q100-00-00)	$ 30,000		319	260	729	0

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000360	G103-38-00 (Kingwood Diversion Ditch)	0	0	4.85	1.17		
061000361	G103-80-03.1B (Taylor Gully)	1	1	8.38	0.43		
061000362	Goose Creek O119-00-00-P001 (Alt 2A1)	0	0	0.00	0.00		
061000363	Goose Creek O119-00-00-P001 (Alt 2A3)	0	0	0.00	0.00		
061000364	Sims Bayou C116 Storm Sewer Improvement (C116-00-00-P001) From Mykawa Road to Telephone Road	0	0	0.00	0.00		
061000365	Greens Bayou (P100-00-00) Mid-Reach Channel Conveyance Improvements From John F. Kennedy Blvd to Veterans Memorial Drive (Ultimate Project (Alternative 3))	0	0	70.92	14.16		
061000366	Greens Bayou - Planning, Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along P138-01-01	0	0	0.59	0.33		
061000367	Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou (Q100-00-00)	0	0	7.63	47.41		
061000368	Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence	0	0	3.14	141.09		
061000369	Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou (Q100-00-00)	0	0	5.26	25.33		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000370	City of Pasadena - Hurricane Harvey Drainage Mitigation Project 1	Further study to develop & elevate project into a FMP. Previously submitted by the Flood Infrastructure Fund (FIF) but was not approved at the time. Projects included in this application will be updated to include BCA and Atlas 14 rainfall consideration.	06000001, 06000011, 06000012, 06000015	Harris
061000371	City of Pasadena - Hurricane Harvey Drainage Mitigation Project 2	Further study to develop & elevate project into a FMP. Previously submitted by the Flood Infrastructure Fund (FIF) but was not approved at the time. Projects included in this application will be updated to include BCA and Atlas 14 rainfall consideration.	06000001, 06000011, 06000012, 06000015	Harris
061000372	City of Pasadena - Hurricane Harvey Drainage Mitigation Project 3	Further study to develop & elevate project into a FMP. Previously submitted by the Flood Infrastructure Fund (FIF) but was not approved at the time. Projects included in this application will be updated to include BCA and Atlas 14 rainfall consideration.	06000001, 06000011, 06000012, 06000015	Harris
061000373	City of Tomball Drainage Improvements	Study to the the drainage project for the City of Tomball is comprised of building storm sewer systems and channel conveyance to enable flood waters to be removed from portions of the city bounded by Holderrieth Road, SH 249, UPRR, and FM 2920.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery
061000374	Cedar Bayou Flood Risk Reduction Study - Q128 Channel Improvements from US 90 to Q100 Confluence	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou channel improvements from US 90 to Confluence with Q100.	06000001, 06000011, 06000012, 06000015	Harris
061000376	Cedar Bayou Flood Risk Reduction Study - Channel improvements from US 90 to FM 1942	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou channel improvements from US 90 to FM 1942.	06000001, 06000011, 06000012, 06000015	Chambers, Harris, Liberty
061000379	Cedar Bayou Flood Risk Reduction Study - Channel improvements upstream of FM 1960	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou channel improvements upstream of FM 1960.	06000001, 06000011, 06000012, 06000015	Harris, Liberty
061000384	Houston Braeburn Glen Area Flood Mitigation	Further study of a proposed project that includes upsizing of the existing stormwater system with new pipes, inlets, and manholes. Lateral improvement will be completed on Mahoning Drive and Valley View Lane.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000370	City of Pasadena - Hurricane Harvey Drainage Mitigation Project 1	12040204, 12040104	120402040100, 120401040502, 120401040703	06000086,06000095,06000106	Project Planning	44.5841
061000371	City of Pasadena - Hurricane Harvey Drainage Mitigation Project 2	12040204, 12040104	120402040100, 120401040502, 120401040703	06000086,06000095,06000106	Project Planning	44.5841
061000372	City of Pasadena - Hurricane Harvey Drainage Mitigation Project 3	12040204, 12040104	120402040100, 120401040502, 120401040703	06000086,06000095,06000106	Project Planning	44.5841
061000373	City of Tomball Drainage Improvements	12040102	120401020106, 120401020205, 120401020210, 120401020209	06000031,06000037,06000042,06000041	Project Planning	13.0409
061000374	Cedar Bayou Flood Risk Reduction Study - Q128 Channel Improvements from US 90 to Q100 Confluence	12040103, 12040203, 12040104	120401030205, 120401040705, 120401040706, 120401040704, 120402030105, 120402030104, 120402030103, 120402030106, 120402030102, 120402030200, 120402030101	06000060,06000097,06000098,06000096,06000103,06000102,06000101,06000104,06000100,06000105,06000099	Project Planning	4.9094
061000376	Cedar Bayou Flood Risk Reduction Study - Channel improvements from US 90 to FM 1942	12040103, 12040203, 12040104	120401030205, 120401040705, 120401040706, 120401040704, 120402030105, 120402030104, 120402030103, 120402030106, 120402030102, 120402030200, 120402030101	06000060,06000097,06000098,06000096,06000103,06000102,06000101,06000104,06000100,06000105,06000099	Project Planning	46.6426
061000379	Cedar Bayou Flood Risk Reduction Study - Channel improvements upstream of FM 1960	12040103, 12040203, 12040104	120401030205, 120401040705, 120401040706, 120401040704, 120402030105, 120402030104, 120402030103, 120402030106, 120402030102, 120402030200, 120402030101	06000060,06000097,06000098,06000096,06000103,06000102,06000101,06000104,06000100,06000105,06000099	Project Planning	23.0081
061000384	Houston Braeburn Glen Area Flood Mitigation	12040104	120401040401	06000083	Project Planning	95.5707

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000370	City of Pasadena - Hurricane Harvey Drainage Mitigation Project 1	Riverine, Coastal	City of Pasadena	Pasadena, Harris County Flood Control District, Harris, Liberty County Water Control District 1	No
061000371	City of Pasadena - Hurricane Harvey Drainage Mitigation Project 2	Riverine, Coastal	City of Pasadena	Pasadena, Harris County Flood Control District, Harris, Liberty County Water Control District 1	No
061000372	City of Pasadena - Hurricane Harvey Drainage Mitigation Project 3	Riverine, Coastal	City of Pasadena	Pasadena, Harris County Flood Control District, Harris, Liberty County Water Control District 1	No
061000373	City of Tomball Drainage Improvements	Urban/Local	City of Tomball	Tomball, Harris County Flood Control District, Harris	No
061000374	Cedar Bayou Flood Risk Reduction Study - Q128 Channel Improvements from US 90 to Q100 Confluence	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Liberty, Harris County Flood Control District, Harris	No
061000376	Cedar Bayou Flood Risk Reduction Study - Channel improvements from US 90 to FM 1942	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Liberty, Harris County Flood Control District, Harris, Liberty County Water Control District 1	No
061000379	Cedar Bayou Flood Risk Reduction Study - Channel improvements upstream of FM 1960	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Liberty, Harris County Flood Control District, Harris, Liberty County Water Control District 1	No
061000384	Houston Braeburn Glen Area Flood Mitigation	Urban/Local	City of Houston	Houston, Harris County Flood Control District, Harris	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000370	City of Pasadena - Hurricane Harvey Drainage Mitigation Project 1	$ 30,000		3591	2839	18,187	56
061000371	City of Pasadena - Hurricane Harvey Drainage Mitigation Project 2	$ 30,000		3591	2839	18,187	56
061000372	City of Pasadena - Hurricane Harvey Drainage Mitigation Project 3	$ 30,000		3591	2839	18,187	56
061000373	City of Tomball Drainage Improvements	$ 30,000		47	29	457	0
061000374	Cedar Bayou Flood Risk Reduction Study - Q128 Channel Improvements from US 90 to Q100 Confluence	$ 30,000		142	81	178	0
061000376	Cedar Bayou Flood Risk Reduction Study - Channel improvements from US 90 to FM 1942	$ 30,000		240	124	291	0
061000379	Cedar Bayou Flood Risk Reduction Study - Channel improvements upstream of FM 1960	$ 30,000		75	51	147	0
061000384	Houston Braeburn Glen Area Flood Mitigation	$ 30,000		530	448	3,328	7

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000370	City of Pasadena - Hurricane Harvey Drainage Mitigation Project 1	6	6	73.85	81.95		
061000371	City of Pasadena - Hurricane Harvey Drainage Mitigation Project 2	6	6	73.85	81.95		
061000372	City of Pasadena - Hurricane Harvey Drainage Mitigation Project 3	6	6	73.85	81.95		
061000373	City of Tomball Drainage Improvements	0	0	3.72	4.60		
061000374	Cedar Bayou Flood Risk Reduction Study - Q128 Channel Improvements from US 90 to Q100 Confluence	0	0	6.25	160.97		
061000376	Cedar Bayou Flood Risk Reduction Study - Channel improvements from US 90 to FM 1942	0	0	12.06	900.14		
061000379	Cedar Bayou Flood Risk Reduction Study - Channel improvements upstream of FM 1960	0	0	4.93	463.48		
061000384	Houston Braeburn Glen Area Flood Mitigation	0	0	6.40	0.65		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000388	Roman Forest Boulevard Bridge Elevation Project	Further study of this project involves the study, design, elevation, and replacement of the Roman Forest Boulevard Bridge to mitigate the risks associated with storms and riverine flooding for the approximate 15,000 citizens.	06000001, 06000011, 06000012, 06000015	Montgomery
061000389	White Oak - SPT and E116 (E116-00-00) Improvements : PA01 thru PA-05	Study to develop a Benefit Cost Analysis needed for these projects to become a FMP. The "E116-00-00 Flood Reduction Feasibilty Study" was completed in March 2022 and provides a decrease riverine and urban flood risk in the area.	06000001, 06000011, 06000012, 06000015	Harris
061000394	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-08-00	Develop BCA to become a FMP. This project could reduce the risk of flooding for over 210 structures and could reduce the 1% rainfall event for over 170 acres as part of the Halls Ahead Bond Implementation Program.	06000001, 06000011, 06000012, 06000015	Harris
061000395	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-09-00	Develop BCA to become a FMP. Part of Halls Ahead Bond Implementation Program, could reduce flood risk for 80+ structures, size of the floodplain by 30+ acres & frequency & duration of flooding of up to half a mile of roadway in an Atlas 14 1% event.	06000001, 06000011, 06000012, 06000015	Harris
061000396	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-21-00	Develop BCA to become a FMP. Part of Halls Ahead Bond Implementation Program, could reduce flood risk for 60+ structures & floodplain by 40+ acres.	06000001, 06000011, 06000012, 06000015	Harris
061000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	This project provides for the design and construction of flood mitigation improvements including detention basins along P118-23-00 and concrete lining P118-23-02. (2018 Bond Project C-26 & C-27)	06000001, 06000011, 06000012, 06000015	Harris
061000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	Study to develop a BCR required for this project to become a FMP. Would reduce flood risk for 600+ structures. Facilitates future drainage projects by more outfall depth.	06000001, 06000011, 06000012, 06000015	Harris
061000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	Develop BCA to become a FMP. Part of Halls Ahead Bond Implementation Program, could reduce flood risk for 150+ structures, size of the floodplain by 90+ acres, frequency & duration of flooding along 3+ miles of roadway in an Atlas 14 1% event.	06000001, 06000011, 06000012, 06000015	Harris
061000402	Carpenters (N100-00-00) Channel Improvements	Study to develop a Cost Benefit Analysis and elevate the project to a FMP. Carpenters Bayou (N100-00-00) channel conveyance improvements.	06000001, 06000011, 06000012, 06000015	Harris
061000403	Halls Bayou - Design and Construction of a Stormwater Detention Basin in Brock Park	Develop BCA to become a FMP. Provides additional stormwater detention in support of flood damage reduction as part of the Halls Ahead Bond Implementation Program. The project will be a partnership with the City of Houston.	06000001, 06000011, 06000012, 06000015	Harris
061000404	Halls Bayou - Planning, Right-Of-Way, Design and Construction of Halls Bayou Flood Risk Management Project	Develop BCA to become a FMP. Projects as part of the Halls Ahead Bond Implementation Program, could reduce the risk of flooding for more than 700 structures in an Atlas 14 1% rainfall event.	06000001, 06000011, 06000012, 06000015	Harris

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000388	Roman Forest Boulevard Bridge Elevation Project	12040103	120401030109, 120401030402	06000054,06000070	Project Planning	2.1907
061000389	White Oak - SPT and E116 (E116-00-00) Improvements : PA01 thru PA-05	12040104	120401040302, 120401040304	06000079,06000081	Project Planning	6.8976
061000394	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-08-00	12040104	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091,06000087,06000079,06000090,06000092,06000081,06000089,06000093	Project Planning	7.2928
061000395	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-09-00	12040104	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091,06000087,06000079,06000090,06000092,06000081,06000089,06000093	Project Planning	5.6788
061000396	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-21-00	12040104	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091,06000087,06000079,06000090,06000092,06000081,06000089,06000093	Project Planning	6.3084
061000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	12040104	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091,06000087,06000079,06000090,06000092,06000081,06000089,06000093	Project Planning	1.5696
061000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	12040104	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091,06000087,06000079,06000090,06000092,06000081,06000089,06000093	Project Planning	6.0113
061000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	12040104	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091,06000087,06000079,06000090,06000092,06000081,06000089,06000093	Project Planning	6.0113
061000402	Carpenters (N100-00-00) Channel Improvements	12040104	120401040702	06000094	Project Planning	0.8486
061000403	Halls Bayou - Design and Construction of a Stormwater Detention Basin in Brock Park	12040104	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091,06000087,06000079,06000090,06000092,06000081,06000089,06000093	Project Planning	44.4051
061000404	Halls Bayou - Planning, Right-Of-Way, Design and Construction of Halls Bayou Flood Risk Management Project	12040104	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091,06000087,06000079,06000090,06000092,06000081,06000089,06000093	Other	44.4051

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000388	Roman Forest Boulevard Bridge Elevation Project	Riverine	Montgomery County	Montgomery, Roman Forest	No
061000389	White Oak - SPT and E116 (E116-00-00) Improvements : PA01 thru PA-05	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000394	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-08-00	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000395	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-09-00	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000396	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-21-00	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000402	Carpenters (N100-00-00) Channel Improvements	Riverine, Urban/Local	Harris County	Houston, Harris County Flood Control District, Harris	No
061000403	Halls Bayou - Design and Construction of a Stormwater Detention Basin in Brock Park	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000404	Halls Bayou - Planning, Right-Of-Way, Design and Construction of Halls Bayou Flood Risk Management Project	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000388	Roman Forest Boulevard Bridge Elevation Project	$ 30,000		86	73	253	0
061000389	White Oak - SPT and E116 (E116-00-00) Improvements : PA01 thru PA-05	$ 30,000		1174	1074	3,836	7
061000394	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-08-00	$ 30,000		39	36	64	2
061000395	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-09-00	$ 30,000		260	211	425	3
061000396	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-21-00	$ 30,000		3551	3128	10,521	35
061000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	$ 30,000		1431	1009	4,495	8
061000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	$ 30,000		3186	2295	7,827	13
061000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	$ 30,000		3186	2295	7,827	13
061000402	Carpenters (N100-00-00) Channel Improvements	$ 30,000		1158	695	3,303	25
061000403	Halls Bayou - Design and Construction of a Stormwater Detention Basin in Brock Park	$ 30,000		12415	10060	34,396	98
061000404	Halls Bayou - Planning, Right-Of-Way, Design and Construction of Halls Bayou Flood Risk Management Project	$ 30,000		12415	10060	34,396	98

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000388	Roman Forest Boulevard Bridge Elevation Project	0	0	3.18	0.00		
061000389	White Oak - SPT and E116 (E116-00-00) Improvements : PA01 thru PA-05	0	0	14.80	4.95		
061000394	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-08-00	0	0	0.68	0.05		
061000395	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-09-00	0	0	4.40	0.20		
061000396	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-21-00	1	1	29.32	1.68		
061000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	1	1	9.65	0.00		
061000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	1	1	31.84	0.23		
061000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	1	1	31.84	0.23		
061000402	Carpenters (N100-00-00) Channel Improvements	2	2	22.39	101.80		
061000403	Halls Bayou - Design and Construction of a Stormwater Detention Basin in Brock Park	7	7	122.00	9.65		
061000404	Halls Bayou - Planning, Right-Of-Way, Design and Construction of Halls Bayou Flood Risk Management Project	7	7	122.00	9.65		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000405	Hunting Bayou Wallisville Outfall (H103-00-00) - Gellhorn Drive	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Diversion channel expansion for Gellhorn Drive flood reductions.	06000001, 06000011, 06000012, 06000015	Harris
061000406	Hunting Bayou Wallisville Outfall (H103-00-00) - Denver Harbor	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Denver Harbor drainage system improvements.	06000001, 06000011, 06000012, 06000015	Harris
061000407	Luce Bayou (Z100-00-00-P026) Bypass Channel	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of channel bypass to provide Luce main stem upstream and local overland flooding relief.	06000001, 06000011, 06000012, 06000015	Harris
061000412	Luce Bayou (Z100-00-00-P026) Channelization	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of channel improvements along Luce main stem.	06000001, 06000011, 06000012, 06000015	Harris
061000413	Luce Bayou (Z100-00-00-P026) Upstream Detention	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of regional detention upstream of Luce Bayou, including acquiring open land north of Harris County.	06000001, 06000011, 06000012, 06000015	Harris
061000414	Planning Phase Study Report for Fairgreen & Eastex Freeway Forest Subdivisions Drainage Improvements 2019	Further study of Scenarios A, B and C recommended by the Fairgreen & Eastex Freeway Forest Subdivisions Drainage Report. Will develop Benefit Cost Analysis and other data required for a FMP designation.	06000001, 06000011, 06000012, 06000015	Harris
061000415	City of Manvel Rogers Rd. Drainage Improvements	Further study Alleluia Trail Rogers Rd & All Roads off Rogers drainage improvements, including storm sewer rehabilitation and ditch deepening.	06000001, 06000011, 06000012, 06000015	Brazoria
061000416	Fallbrook, Ridgepoint and Westpoint Subdivision Drainage Improvements	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris
061000417	Houston Fifth Area Flood Mitigation	This unfunded CDBG-MIT application involves installing various storm sewer infrastructure in the Fifth Ward and Market Square areas within the City of Houston.	06000001, 06000011, 06000012, 06000015	Harris
061000418	Houston Port Area Flood Mitigation	The project includes storm sewer improvements on nearly every street in the Pleasantville neighborhood to improve conveyance capacity and construction of a detention basin.	06000001, 06000011, 06000012, 06000015	Harris
061000419	Houston Huntington Village Area Flood Mitigation	Further study to develop this project into a FMP. The project includes storm sewer improvements in the Huntington Village neighborhood to reduce structural flood loss.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris
061000420	Clear Creek - Friendswood Detention Basin Near FM 528 in Friendswood	Develop BCA to become a FMP. ROW acquisition, design, and construction of 39 ac stormwater detention basin holding 500 ac-ft near FM 528; Additional solutions include buyouts, improving channel conveyance, and tributary detention.	06000001, 06000011, 06000012, 06000015	Brazoria, Galveston, Harris
061000421	Clear Creek - Hughes Stormwater Detention (SWD) Basin	Develop BCA to become a FMP. Project identified in Clear Creek Federal Project study for flood management but did not yield high enough cost benefit ratio for Federal funding. Therefore, Harris and Galveston County have decided to fund this effort.	06000001, 06000011, 06000012, 06000015	Brazoria, Galveston, Fort Bend, Harris

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000405	Hunting Bayou Wallisville Outfall (H103-00-00) - Gellhorn Drive	12040104	120401040606, 120401040701	06000092,06000093	Project Planning	4.9292
061000406	Hunting Bayou Wallisville Outfall (H103-00-00) - Denver Harbor	12040104	120401040606, 120401040701	06000092,06000093	Project Planning	4.9292
061000407	Luce Bayou (Z100-00-00-P026) Bypass Channel	12040101, 12040103, 12040203, 12040104	120401010502, 120401010501, 120401030205, 120401030402, 120401040704, 120402030103, 120402030102	06000025,06000024,06000060,06000070,06000096,06000101,06000100	Project Planning	74.8873
061000412	Luce Bayou (Z100-00-00-P026) Channelization	12040101, 12040103, 12040203, 12040104	120401010502, 120401010501, 120401030205, 120401030402, 120401040704, 120402030103, 120402030102	06000025,06000024,06000060,06000070,06000096,06000101,06000100	Project Planning	74.8873
061000413	Luce Bayou (Z100-00-00-P026) Upstream Detention	12040101, 12040103, 12040203, 12040104	120401010502, 120401010501, 120401030205, 120401030402, 120401040704, 120402030103, 120402030102	06000025,06000024,06000060,06000070,06000096,06000101,06000100	Project Planning	74.8873
061000414	Planning Phase Study Report for Fairgreen & Eastex Freeway Forest Subdivisions Drainage Improvements 2019	12040104	120401040604, 120401040603	06000090,06000089	Project Planning	0.2623
061000415	City of Manvel Rogers Rd. Drainage Improvements	12040204	120402040100, 120402040400, 120402040200	06000106,06000107,06000109	Project Planning	27.4094
061000416	Fallbrook, Ridgepoint and Westpoint Subdivision Drainage Improvements	12040104	120401040604, 120401040603	06000090,06000089	Project Planning	1.9619
061000417	Houston Fifth Area Flood Mitigation	12040104	120401040701	06000093	Project Planning	40.5950
061000418	Houston Port Area Flood Mitigation	12040104	120401040701	06000093	Project Planning	40.5950
061000419	Houston Huntington Village Area Flood Mitigation	12040104	120401040401	06000083	Project Planning	95.5707
061000420	Clear Creek - Friendswood Detention Basin Near FM 528 in Friendswood	12040204	120402040200, 120402040100	06000107,06000106	Project Planning	102.4084
061000421	Clear Creek - Hughes Stormwater Detention (SWD) Basin	12040204, 12040104	120401040502, 120401040501, 120402040200, 120402040400, 120402040100	06000086,06000085,06000107,06000109,06000106	Project Planning	200.2733

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000405	Hunting Bayou Wallisville Outfall (H103-00-00) - Gellhorn Drive	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000406	Hunting Bayou Wallisville Outfall (H103-00-00) - Denver Harbor	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000407	Luce Bayou (Z100-00-00-P026) Bypass Channel	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris, Liberty County Water Control District 1	No
061000412	Luce Bayou (Z100-00-00-P026) Channelization	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris, Liberty County Water Control District 1	No
061000413	Luce Bayou (Z100-00-00-P026) Upstream Detention	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris, Liberty County Water Control District 1	No
061000414	Planning Phase Study Report for Fairgreen & Eastex Freeway Forest Subdivisions Drainage Improvements 2019	Urban/Local	Harris County	Harris County Flood Control District, Harris	No
061000415	City of Manvel Rogers Rd. Drainage Improvements	Urban/Local	City of Manvel	West Brazoria County Drainage District, Brazoria, Manvel	No
061000416	Fallbrook, Ridgepoint and Westpoint Subdivision Drainage Improvements	Urban/Local	Harris County	Houston, Harris County Flood Control District, Harris	No
061000417	Houston Fifth Area Flood Mitigation	Urban/Local	City of Houston	Houston, Harris County Flood Control District, Harris	No
061000418	Houston Port Area Flood Mitigation	Urban/Local	City of Houston	Houston, Harris County Flood Control District, Harris	No
061000419	Houston Huntington Village Area Flood Mitigation	Urban/Local	City of Houston	Houston, Harris County Flood Control District, Harris	No
061000420	Clear Creek - Friendswood Detention Basin Near FM 528 in Friendswood	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County Flood Control District, Harris	No
061000421	Clear Creek - Hughes Stormwater Detention (SWD) Basin	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County Flood Control District, Harris	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000405	Hunting Bayou Wallisville Outfall (H103-00-00) - Gellhorn Drive	$ 30,000		396	328	9,520	1
061000406	Hunting Bayou Wallisville Outfall (H103-00-00) - Denver Harbor	$ 30,000		396	328	9,520	1
061000407	Luce Bayou (Z100-00-00-P026) Bypass Channel	$ 30,000		351	300	471	0
061000412	Luce Bayou (Z100-00-00-P026) Channelization	$ 30,000		351	300	471	0
061000413	Luce Bayou (Z100-00-00-P026) Upstream Detention	$ 30,000		351	300	471	0
061000414	Planning Phase Study Report for Fairgreen & Eastex Freeway Forest Subdivisions Drainage Improvements 2019	$ 30,000		0	0	0	0
061000415	City of Manvel Rogers Rd. Drainage Improvements	$ 30,000		1249	965	6,741	8
061000416	Fallbrook, Ridgepoint and Westpoint Subdivision Drainage Improvements	$ 30,000		114	59	313	5
061000417	Houston Fifth Area Flood Mitigation	$ 30,000		6259	5217	24,012	107
061000418	Houston Port Area Flood Mitigation	$ 30,000		6259	5217	24,012	107
061000419	Houston Huntington Village Area Flood Mitigation	$ 30,000		32098	29504	177,410	402
061000420	Clear Creek - Friendswood Detention Basin Near FM 528 in Friendswood	$ 30,000		14912	13121	43,960	153
061000421	Clear Creek - Hughes Stormwater Detention (SWD) Basin	$ 30,000		27153	22909	75,345	231

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000405	Hunting Bayou Wallisville Outfall (H103-00-00) - Gellhorn Drive	2	2	13.03	0.67		
061000406	Hunting Bayou Wallisville Outfall (H103-00-00) - Denver Harbor	2	2	13.03	0.67		
061000407	Luce Bayou (Z100-00-00-P026) Bypass Channel	0	0	6.11	83.47		
061000412	Luce Bayou (Z100-00-00-P026) Channelization	0	0	6.11	83.47		
061000413	Luce Bayou (Z100-00-00-P026) Upstream Detention	0	0	6.11	83.47		
061000414	Planning Phase Study Report for Fairgreen & Eastex Freeway Forest Subdivisions Drainage Improvements 2019	0	0	0.23	0.00		
061000415	City of Manvel Rogers Rd. Drainage Improvements	0	0	43.32	178.81		
061000416	Fallbrook, Ridgepoint and Westpoint Subdivision Drainage Improvements	0	0	0.60	0.00		
061000417	Houston Fifth Area Flood Mitigation	6	6	100.93	20.48		
061000418	Houston Port Area Flood Mitigation	6	6	100.93	20.48		
061000419	Houston Huntington Village Area Flood Mitigation	1	1	412.20	41.83		
061000420	Clear Creek - Friendswood Detention Basin Near FM 528 in Friendswood	9	9	264.18	161.83		
061000421	Clear Creek - Hughes Stormwater Detention (SWD) Basin	12	12	458.14	532.73		

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FME ID	FME Name	Description	Associated Goal No.	Counties
061000422	Danubina Drainage Improvements	Study to further this project and develop an FMP. This CDBG-MIT application involves the installation and construction of various storm sewer and detention infrastructure.	06000001, 06000011, 06000012, 06000015	Chambers, Harris
061000423	North Alexander Drainage Improvements	Further study to develop this project into a FMP. This CDBG-MIT application involves the installation and construction of various storm sewer and detention infrastructure.	06000001, 06000011, 06000012, 06000015	Chambers, Harris
061000424	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	This project, which includes terraces, detention, and a trail network, will reduce water surface elevations on Clear Creek within the City of Friendswood and will make the Blackhawk Wastewater Treatment Facility more resilient.	06000001, 06000011, 06000012, 06000015	Galveston, Harris
061000425	Clear Creek - Rehabilitation of the A214-00-00 channel to Restore Channel Conveyance Capacity	Major maintenance to restore channel conveyance capacity.	06000001, 06000011, 06000012, 06000015	Galveston, Harris
061000426	Sawdust Road Bridge Elevation Project	Further study of study, design, elevation, & replacement of the Sawdust Road Bridge to mitigate the risks associated with riverine flooding for the citizens residing in the Grogan's Point and Timberlakes - Timberridge Subdivisions.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery
061000427	Sandpiper Village Subdivision Drainage Improvements	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris
061000431	Oak Glen Place Subdivision Drainage Improvements	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris
061000432	Northfield Place Subdivision Drainage Improvements	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris
061000433	Spring Shadows South	Study to develop a Benefit Cost Analysis needed to elevate project to a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris
061000434	Houston Kashmere Gardens Area Flood Mitigation	The project includes improvements to storm sewer, roadside ditch systems, culverts, sewer inlets, and the construction of detention basins.	06000001, 06000011, 06000012, 06000015	Harris
061000435	City of Southside Place - Auden Street Drainage Improvement Project	This project provides for design and construction of a new stormwater conveyance system for the City of Southside Place, that will have the capacity to covey a City standard storm event (2-year storm).	06000001, 06000011, 06000012, 06000015	Harris
061000436	Unincorporated Areas of Bacliff and San Leon Roadside Ditches & Driveway Culverts Improvements	Further study of this unfunded CDBG-MIT project consists of various areas of roadside ditch and driveway culvert improvements in Bacliff and San Leon.	06000001, 06000011, 06000012, 06000015	Galveston, Chambers
061000437	Evaluation of Dredging of Channels that Exit Into Lake Houston	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris, Liberty, Montgomery
061000438	Greens Bayou, Jackson Bayou, White Oak Bayou, Cypress Creek and San Jacinto River Areas Subdivision Drainage Mitigation Project	This proposed solution recommends establishing positive drainage and clear flow lines, which are expected to reduce the water surface elevation in the subdivision to mitigate the structural flood risk for all 1,445 beneficiaries.	06000001, 06000011, 06000012, 06000015	Harris, Waller, Liberty, Montgomery

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000422	Danubina Drainage Improvements	12040203	120402030106	06000104	Project Planning	48.3625
061000423	North Alexander Drainage Improvements	12040203	120402030106	06000104	Project Planning	48.3625
061000424	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	12040204	120402040200, 120402040100	06000107,06000106	Project Planning	20.8292
061000425	Clear Creek - Rehabilitation of the A214-00-00 channel to Restore Channel Conveyance Capacity	12040204, 12040104	120401040502, 120401040501, 120402040200, 120402040400, 120402040100	06000086,06000085,06000107,06000109,06000106	Project Planning	4.6173
061000426	Sawdust Road Bridge Elevation Project	12040102, 12040101	120401010402, 120401010404, 120401020107, 120401020210, 120401020209, 120401020211, 120401020212, 120401020213	06000021, 06000023, 06000032, 06000042, 06000041, 06000043, 06000044, 06000045	Project Planning	32.9446
061000427	Sandpiper Village Subdivision Drainage Improvements	12040102	120401020107	06000032	Project Planning	2.3117
061000431	Oak Glen Place Subdivision Drainage Improvements	12040104	120401040604, 120401040304	06000090,06000081	Project Planning	6.0113
061000432	Northfield Place Subdivision Drainage Improvements	12040104	120401040604, 120401040304	06000090,06000081	Project Planning	6.0113
061000433	Spring Shadows South	12040104	120401040302, 120401040303	06000079,06000080	Project Planning	5.8197
061000434	Houston Kashmere Gardens Area Flood Mitigation	12040104	120401040703, 120401040604, 120401040606, 120401040304, 120401040701	06000095,06000090,06000092,06000081,06000093	Project Planning	30.8723
061000435	City of Southside Place - Auden Street Drainage Improvement Project	12040104	120401040402	06000084	Project Planning	45.6012
061000436	Unincorporated Areas of Bacliff and San Leon Roadside Ditches & Driveway Culverts Improvements	12040204	120402040200	06000107	Project Planning	6.9490
061000437	Evaluation of Dredging of Channels that Exit Into Lake Houston	12040101, 12040103	120401010501, 120401030205, 120401030402	06000024,06000060,06000070	Project Planning	155.7761
061000438	Greens Bayou, Jackson Bayou, White Oak Bayou, Cypress Creek and San Jacinto River Areas Subdivision Drainage Mitigation Project	12040203, 12040104, 12040101, 12040103, 12040204, 12040102	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Project Planning	1042.2029

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000422	Danubina Drainage Improvements	Urban/Local	City of Baytown	Baytown, Harris County Flood Control District, Harris	No
061000423	North Alexander Drainage Improvements	Urban/Local	City of Baytown	Baytown, Harris County Flood Control District, Harris	No
061000424	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	Urban/Local	City of Friendswood	Friendswood, Harris, Harris County Flood Control District, Galveston	No
061000425	Clear Creek - Rehabilitation of the A214-00-00 channel to Restore Channel Conveyance Capacity	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Friendswood, Harris County Flood Control District, Harris	No
061000426	Sawdust Road Bridge Elevation Project	Riverine	Montgomery County	Montgomery	No
061000427	Sandpiper Village Subdivision Drainage Improvements	Urban/Local	Harris County	Houston, Harris County Flood Control District, Harris	No
061000431	Oak Glen Place Subdivision Drainage Improvements	Urban/Local	Harris County	Houston, Harris County Flood Control District, Harris	No
061000432	Northfield Place Subdivision Drainage Improvements	Urban/Local	Harris County	Houston, Harris County Flood Control District, Harris	No
061000433	Spring Shadows South	Urban/Local	City of Houston	Houston, Harris County Flood Control District, Harris	No
061000434	Houston Kashmere Gardens Area Flood Mitigation	Urban/Local	City of Houston	Houston, Harris County Flood Control District, Harris	No
061000435	City of Southside Place - Auden Street Drainage Improvement Project	Urban/Local	City of Southside Place	Southside Place, Harris County Flood Control District, Harris	No
061000436	Unincorporated Areas of Bacliff and San Leon Roadside Ditches & Driveway Culverts Improvements	Urban/Local	Galveston County	Chambers, Galveston	No
061000437	Evaluation of Dredging of Channels that Exit Into Lake Houston	Urban/Local	Harris County	North Harris County Regional Water Authority, Harris County Flood Control District, San Jacinto River Authority, Liberty County Water Control District 1	No
061000438	Greens Bayou, Jackson Bayou, White Oak Bayou, Cypress Creek and San Jacinto River Areas Subdivision Drainage Mitigation Project	Urban/Local	Harris County	Harris County Flood Control District, Harris	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000422	Danubina Drainage Improvements	$ 30,000		550	440	1,514	7
061000423	North Alexander Drainage Improvements	$ 30,000		550	440	1,514	7
061000424	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	$ 30,000		1680	1601	4,640	1
061000425	Clear Creek - Rehabilitation of the A214-00-00 channel to Restore Channel Conveyance Capacity	$ 30,000		424	421	1,153	0
061000426	Sawdust Road Bridge Elevation Project	$ 30,000		794	633	3,432	5
061000427	Sandpiper Village Subdivision Drainage Improvements	$ 30,000		196	140	453	2
061000431	Oak Glen Place Subdivision Drainage Improvements	$ 30,000		3186	2295	7,827	13
061000432	Northfield Place Subdivision Drainage Improvements	$ 30,000		3186	2295	7,827	13
061000433	Spring Shadows South	$ 30,000		1005	934	2,805	5
061000434	Houston Kashmere Gardens Area Flood Mitigation	$ 30,000		6241	5217	24,003	93
061000435	City of Southside Place - Auden Street Drainage Improvement Project	$ 30,000		8850	8143	65,641	143
061000436	Unincorporated Areas of Bacliff and San Leon Roadside Ditches & Driveway Culverts Improvements	$ 30,000		3330	2772	5,550	5
061000437	Evaluation of Dredging of Channels that Exit Into Lake Houston	$ 30,000		6656	5117	15,791	64
061000438	Greens Bayou, Jackson Bayou, White Oak Bayou, Cypress Creek and San Jacinto River Areas Subdivision Drainage Mitigation Project	$ 30,000		42056	33354	205,981	745

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000422	Danubina Drainage Improvements	0	0	13.83	98.25		
061000423	North Alexander Drainage Improvements	0	0	13.83	98.25		
061000424	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	5	5	37.73	18.38		
061000425	Clear Creek - Rehabilitation of the A214-00-00 channel to Restore Channel Conveyance Capacity	0	0	8.91	3.38		
061000426	Sawdust Road Bridge Elevation Project	0	0	18.38	15.16		
061000427	Sandpiper Village Subdivision Drainage Improvements	0	0	3.18	1.75		
061000431	Oak Glen Place Subdivision Drainage Improvements	1	1	31.84	0.23		
061000432	Northfield Place Subdivision Drainage Improvements	1	1	31.84	0.23		
061000433	Spring Shadows South	0	0	11.77	0.00		
061000434	Houston Kashmere Gardens Area Flood Mitigation	6	6	101.52	21.14		
061000435	City of Southside Place - Auden Street Drainage Improvement Project	1	1	124.98	8.68		
061000436	Unincorporated Areas of Bacliff and San Leon Roadside Ditches & Driveway Culverts Improvements	0	0	50.36	48.62		
061000437	Evaluation of Dredging of Channels that Exit Into Lake Houston	1	1	169.09	326.66		
061000438	Greens Bayou, Jackson Bayou, White Oak Bayou, Cypress Creek and San Jacinto River Areas Subdivision Drainage Mitigation Project	27	27	789.50	1,543.44		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000439	Greens Bayou, White Oak Bayou and Cypress Creek Areas Subdivision Drainage Mitigation Project	The mitigation solution for Cypress Creek Estates is to install storm sewer systems along West Shadow Lake, East Shadow Lake, North Shadow Lake and Winding Lane, to re-grade the roadside ditches, and to remove and replace of all driveways and culverts.	06000001, 06000011, 06000012, 06000015	Harris, Waller
061000440	Brazoria County Camp Mohawk County Park Development	Develop Benefit Cost Analysis in support of the purchase of approximately 160 acres of flood prone area adjacent to and surrounding Camp Mohawk County Park to be used as open space.	06000001, 06000011, 06000012, 06000015	Brazoria
061000441	Addicks Reservoir - Design and Construction of a Bridge Replacement for Greenhouse Road at South Mayde Creek	Develop BCA to become a FMP. This project is part of the South Mayde Creek Plan that could reduce the risk of flooding for more than 70 homes and reduce the rainfall event by more than 340 acres in a pre-Atlas 1% rainfall event.	06000001, 06000011, 06000012, 06000015	Harris
061000442	Forest Estates - Live Oak Creek Watershed Artesian Forest 1 - Artesian Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery
061000443	Artesian Forest 1 - Artesian Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery
061000444	Artesian Forest East - Artesian Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery
061000445	Lilly - Alligator Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery
061000446	East Fork North - Alligator Creek Watershed "	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery
061000447	East Fork South - Alligator Creek Watershed "	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery
061000448	West Branch - Alligator Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery
061000449	Oak Hollow - Alligator Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery
061000450	Cable - Alligator Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery
061000451	South Frazier - Grand Lake Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery
061000452	Rivershire East - Grand Lake Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery
061000453	Rivershire West - Grand Lake Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery
061000454	Baretta - Grand Lake Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery
061000455	Valley - Stewarts Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery
061000456	Hunnington - Stewarts Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000439	Greens Bayou, White Oak Bayou and Cypress Creek Areas Subdivision Drainage Mitigation Project	12040102, 12040101, 12040104	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Project Planning	542.6077
061000440	Brazoria County Camp Mohawk County Park Development	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Project Planning	1481.8698
061000441	Addicks Reservoir - Design and Construction of a Bridge Replacement for Greenhouse Road at South Mayde Creek	12040104	120401040102, 120401040202, 120401040104, 120401040203, 120401040303	06000072,06000076,06000074,06000077,06000080	Project Planning	15.5018
061000442	Forest Estates - Live Oak Creek Watershed Artesian Forest 1 - Artesian Creek Watershed	12040101	120401010207, 120401010401	06000011, 06000020	Project Planning	2.4846
061000443	Artesian Forest 1 - Artesian Creek Watershed	12040101	120401010207	06000011	Project Planning	1.4019
061000444	Artesian Forest East - Artesian Creek Watershed	12040101	120401010207	06000011	Project Planning	1.4019
061000445	Lilly - Alligator Creek Watershed	12040101	120401010207, 120401010401	06000011, 06000020	Project Planning	6.0089
061000446	East Fork North - Alligator Creek Watershed "	12040101	120401010207, 120401010401	06000011, 06000020	Project Planning	6.0089
061000447	East Fork South - Alligator Creek Watershed "	12040101	120401010207, 120401010401	06000011, 06000020	Project Planning	6.0089
061000448	West Branch - Alligator Creek Watershed	12040101	120401010207, 120401010401	06000011, 06000020	Project Planning	6.0089
061000449	Oak Hollow - Alligator Creek Watershed	12040101	120401010207, 120401010401	06000011, 06000020	Project Planning	6.0089
061000450	Cable - Alligator Creek Watershed	12040101	120401010207, 120401010401	06000011, 06000020	Project Planning	6.0089
061000451	South Frazier - Grand Lake Creek Watershed	12040101	120401010207, 120401010401	06000011, 06000020	Project Planning	3.5055
061000452	Rivershire East - Grand Lake Creek Watershed	12040101	120401010207, 120401010401	06000011, 06000020	Project Planning	3.5055
061000453	Rivershire West - Grand Lake Creek Watershed	12040101	120401010207, 120401010401	06000011, 06000020	Project Planning	9.5144
061000454	Baretta - Grand Lake Creek Watershed	12040101	120401010401	06000020	Project Planning	3.5922
061000455	Valley - Stewarts Creek Watershed	12040101	120401010207, 120401010403, 120401010401, 120401010402, 120401010205, 120401010206	06000011, 06000022, 06000020, 06000021, 06000009, 06000010	Project Planning	19.6592
061000456	Hunnington - Stewarts Creek Watershed	12040101	120401010207, 120401010403, 120401010401, 120401010402, 120401010205, 120401010206	06000011, 06000022, 06000020, 06000021, 06000009, 06000010	Project Planning	19.6592

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000439	Greens Bayou, White Oak Bayou and Cypress Creek Areas Subdivision Drainage Mitigation Project	Urban/Local	Harris County	Houston, Waller, Jersey Village, Prairie View, Harris, Tomball, Humble, Harris County Flood Control District	No
061000440	Brazoria County Camp Mohawk County Park Development	Urban/Local	Brazoria County	Hillcrest Village, Pearland, Alvin, Manvel, Brazoria, West Brazoria County Drainage District, Liverpool, Hitchcock, Iowa Colony, Brookside Village	No
061000441	Addicks Reservoir - Design and Construction of a Bridge Replacement for Greenhouse Road at South Mayde Creek	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris	No
061000442	Forest Estates - Live Oak Creek Watershed Artesian Forest 1 - Artesian Creek Watershed	Urban/Local	City of Conroe	Montgomery, Conroe	No
061000443	Artesian Forest 1 - Artesian Creek Watershed	Riverine	City of Conroe	Montgomery, Conroe	No
061000444	Artesian Forest East - Artesian Creek Watershed	Urban/Local	City of Conroe	Montgomery, Conroe	No
061000445	Lilly - Alligator Creek Watershed	Urban/Local	City of Conroe	Montgomery, Conroe	No
061000446	East Fork North - Alligator Creek Watershed "	Urban/Local	City of Conroe	Montgomery, Conroe	No
061000447	East Fork South - Alligator Creek Watershed "	Urban/Local	City of Conroe	Montgomery, Conroe	No
061000448	West Branch - Alligator Creek Watershed	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe	No
061000449	Oak Hollow - Alligator Creek Watershed	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe	No
061000450	Cable - Alligator Creek Watershed	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe	No
061000451	South Frazier - Grand Lake Creek Watershed	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe	No
061000452	Rivershire East - Grand Lake Creek Watershed	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe	No
061000453	Rivershire West - Grand Lake Creek Watershed	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe	No
061000454	Baretta - Grand Lake Creek Watershed	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe	No
061000455	Valley - Stewarts Creek Watershed	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe	No
061000456	Hunnington - Stewarts Creek Watershed	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000439	Greens Bayou, White Oak Bayou and Cypress Creek Areas Subdivision Drainage Mitigation Project	$ 30,000		33835	27413	176,096	425
061000440	Brazoria County Camp Mohawk County Park Development	$ 30,000		10	0	12	0
061000441	Addicks Reservoir - Design and Construction of a Bridge Replacement for Greenhouse Road at South Mayde Creek	$ 30,000		692	638	2,455	12
061000442	Forest Estates - Live Oak Creek Watershed Artesian Forest 1 - Artesian Creek Watershed	$ 30,000		99	83	343	0
061000443	Artesian Forest 1 - Artesian Creek Watershed	$ 30,000		40	36	68	0
061000444	Artesian Forest East - Artesian Creek Watershed	$ 30,000		40	36	68	0
061000445	Lilly - Alligator Creek Watershed	$ 30,000		516	426	2,300	1
061000446	East Fork North - Alligator Creek Watershed "	$ 30,000		516	426	2,300	1
061000447	East Fork South - Alligator Creek Watershed "	$ 30,000		516	426	2,300	1
061000448	West Branch - Alligator Creek Watershed	$ 30,000		516	426	2,300	1
061000449	Oak Hollow - Alligator Creek Watershed	$ 30,000		516	426	2,300	1
061000450	Cable - Alligator Creek Watershed	$ 30,000		516	426	2,300	1
061000451	South Frazier - Grand Lake Creek Watershed	$ 30,000		365	257	1,381	5
061000452	Rivershire East - Grand Lake Creek Watershed	$ 30,000		365	257	1,381	5
061000453	Rivershire West - Grand Lake Creek Watershed	$ 30,000		879	682	2,968	6
061000454	Baretta - Grand Lake Creek Watershed	$ 30,000		102	63	171	0
061000455	Valley - Stewarts Creek Watershed	$ 30,000		374	277	1,606	6
061000456	Hunnington - Stewarts Creek Watershed	$ 30,000		374	277	1,606	6

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000439	Greens Bayou, White Oak Bayou and Cypress Creek Areas Subdivision Drainage Mitigation Project	32	32	601.41	1,841.86		
061000440	Brazoria County Camp Mohawk County Park Development	0	0	0.34	2.86		
061000441	Addicks Reservoir - Design and Construction of a Bridge Replacement for Greenhouse Road at South Mayde Creek	0	0	11.65	27.30		
061000442	Forest Estates - Live Oak Creek Watershed Artesian Forest 1 - Artesian Creek Watershed	0	0	2.27	0.70		
061000443	Artesian Forest 1 - Artesian Creek Watershed	0	0	0.90	6.58		
061000444	Artesian Forest East - Artesian Creek Watershed	0	0	0.90	6.58		
061000445	Lilly - Alligator Creek Watershed	9	9	9.90	2.45		
061000446	East Fork North - Alligator Creek Watershed "	9	9	9.90	2.45		
061000447	East Fork South - Alligator Creek Watershed "	9	9	9.90	2.45		
061000448	West Branch - Alligator Creek Watershed	9	9	9.90	2.45		
061000449	Oak Hollow - Alligator Creek Watershed	9	9	9.90	2.45		
061000450	Cable - Alligator Creek Watershed	9	9	9.90	2.45		
061000451	South Frazier - Grand Lake Creek Watershed	0	0	6.67	2.99		
061000452	Rivershire East - Grand Lake Creek Watershed	0	0	6.67	2.99		
061000453	Rivershire West - Grand Lake Creek Watershed	9	9	16.57	5.44		
061000454	Baretta - Grand Lake Creek Watershed	1	1	5.95	3.96		
061000455	Valley - Stewarts Creek Watershed	7	7	10.32	6.73		
061000456	Hunnington - Stewarts Creek Watershed	7	7	10.32	6.73		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000457	Avenue M - Stewarts Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery
061000458	South 3rd - Stewarts Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery
061000459	Toby - Little Caney Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery
061000460	Southern Oak - Little Laney Creek	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery
061000461	Rush Creek Lake - Lake Conroe Estates Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery
061000462	Longmire and SH-105 - Live Oak Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery
061000463	Southeast Montgomery County Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000010, 06000015	Montgomery
061000464	Carpenters Bayou (West Acres, Shadowglen & Old River Terrace Neighborhood)	Further study to develop a BCA required to elevate project to FMP. The project is to reduce flooding in the Problem Area #5 identified by the Carpenters Bayou Watershed Planning Project Report, 2021.	06000001, 06000011, 06000012, 06000015	Harris
061000465	Catalina	Study to develop a BCR and other data needed to elevate project to a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris
061000466	Ralston Acres Subdivision Drainage Improvements	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris
061000467	Middle Armand Bayou Protection Project	Further study to develop this project into a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris
061000468	Houston Sunnyside Area Flood Mitigation	Includes new storm sewer trunk systems on major thoroughfares & new or improved neighborhood storm sewer systems. Will also require construction of detention basins to mitigate the proposed improvements.	06000001, 06000011, 06000012, 06000015	Harris
061000469	Eastex Freeway Forest Sections 3 & 4 Subdivision Improvements	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris
061000470	Ledge Street Area Drainage and Paving	Project provides for design and construction of storm water drainage and paving improvements, mitigation, and necessary utilities to serve the Ledge and Nathaniel areas east of Clearwood Drive to mitigate structural flooding risk.	06000001, 06000011, 06000012, 06000015	Harris

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000457	Avenue M - Stewarts Creek Watershed	12040101	120401010207, 120401010403, 120401010401, 120401010402, 120401010205, 120401010206	06000011, 06000022, 06000020, 06000021, 06000009, 06000010	Project Planning	19.6592
061000458	South 3rd - Stewarts Creek Watershed	12040101	120401010207, 120401010403, 120401010401, 120401010402, 120401010205, 120401010206	06000011, 06000022, 06000020, 06000021, 06000009, 06000010	Project Planning	19.6592
061000459	Toby - Little Caney Creek Watershed	12040101	120401010403, 120401010401, 120401010402	06000022,06000020,06000021	Project Planning	8.6133
061000460	Southern Oak - Little Laney Creek	12040101	120401010403, 120401010401, 120401010402	06000022,06000020,06000021	Project Planning	8.6133
061000461	Rush Creek Lake - Lake Conroe Estates Watershed	12040101	120401010207, 120401010206	06000011, 06000010	Project Planning	2.3802
061000462	Longmire and SH-105 - Live Oak Creek Watershed	12040101	120401010207, 120401010401	06000011, 06000020	Project Planning	2.4786
061000463	Southeast Montgomery County Master Drainage Plan	12040102, 12040101, 12040103	120401010403, 120401010401, 120401010402, 120401010501, 120401010404, 120401020212, 120401030110, 120401030102, 120401030108, 120401030104, 120401030103, 120401030105, 120401030106, 120401030107, 120401030109, 120401030402, 120401030401	06000022,06000020,06000021,06000024,06000023,06000044,06000055,06000047,06000053,06000049,06000048,06000050,06000051,06000052,06000054,06000070,06000069	Watershed Planning	312.7224
061000464	Carpenters Bayou (West Acres, Shadowglen & Old River Terrace Neighborhood)	12040101, 12040104	120401010502, 120401040605, 120401040703, 120401040705, 120401040702, 120401040606, 120401040704	06000025,06000091,06000095,06000097,06000094,06000092,06000096	Project Planning	31.0257
061000465	Catalina	12040204	120402040100	06000106	Project Planning	261.6000
061000466	Ralston Acres Subdivision Drainage Improvements	12040104	120401040605, 120401040604, 120401040606	06000091,06000090,06000092	Project Planning	1.8611
061000467	Middle Armand Bayou Protection Project	12040204	120402040100	06000106	Other	261.6000
061000468	Houston Sunnyside Area Flood Mitigation	12040204, 12040104	120401040402, 120401040502, 120401040501, 120402040100	06000084,06000086,06000085,06000106	Project Planning	23.5712
061000469	Eastex Freeway Forest Sections 3 & 4 Subdivision Improvements	12040104	120401040604, 120401040603	06000090,06000089	Project Planning	20.0720
061000470	Ledge Street Area Drainage and Paving	12040104	120401040502	06000086	Project Planning	0.1379

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000457	Avenue M - Stewarts Creek Watershed	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe	No
061000458	South 3rd - Stewarts Creek Watershed	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe	No
061000459	Toby - Little Caney Creek Watershed	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe	No
061000460	Southern Oak - Little Laney Creek	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe	No
061000461	Rush Creek Lake - Lake Conroe Estates Watershed	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe	No
061000462	Longmire and SH-105 - Live Oak Creek Watershed	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe	No
061000463	Southeast Montgomery County Master Drainage Plan	Riverine, Urban/Local	Montgomery County	Montgomery	No
061000464	Carpenters Bayou (West Acres, Shadowglen & Old River Terrace Neighborhood)	Riverine, Urban/Local	Harris County	Montgomery, Panorama Village, Conroe, Willis	No
061000465	Catalina	Riverine, Urban/Local	City of Houston	Montgomery, Conroe	No
061000466	Ralston Acres Subdivision Drainage Improvements	Riverine, Urban/Local	Harris County	Montgomery, Conroe	No
061000467	Middle Armand Bayou Protection Project	Riverine, Urban/Local	City of Pasadena	Montgomery, Conroe	No
061000468	Houston Sunnyside Area Flood Mitigation	Urban/Local	City of Houston	Houston, Harris County Flood Control District, Harris	No
061000469	Eastex Freeway Forest Sections 3 & 4 Subdivision Improvements	Riverine, Urban/Local	Harris County	Houston, Harris County Flood Control District, Harris	No
061000470	Ledge Street Area Drainage and Paving		City of Houston	Houston	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000457	Avenue M - Stewarts Creek Watershed	$ 30,000		374	277	1,606	6
061000458	South 3rd - Stewarts Creek Watershed	$ 30,000		374	277	1,606	6
061000459	Toby - Little Caney Creek Watershed	$ 30,000		271	204	571	0
061000460	Southern Oak - Little Laney Creek	$ 30,000		271	204	571	0
061000461	Rush Creek Lake - Lake Conroe Estates Watershed	$ 30,000		79	72	129	0
061000462	Longmire and SH-105 - Live Oak Creek Watershed	$ 30,000		99	83	343	0
061000463	Southeast Montgomery County Master Drainage Plan	$ 1,170,000		10008	7824	16,360	37
061000464	Carpenters Bayou (West Acres, Shadowglen & Old River Terrace Neighborhood)	$ 30,000		812	489	2,731	24
061000465	Catalina	$ 30,000		33641	28404	92,712	392
061000466	Ralston Acres Subdivision Drainage Improvements	$ 30,000		79	63	191	0
061000467	Middle Armand Bayou Protection Project	$ 30,000		2960	2415	12,826	52
061000468	Houston Sunnyside Area Flood Mitigation	$ 30,000		1639	1579	4,717	4
061000469	Eastex Freeway Forest Sections 3 & 4 Subdivision Improvements	$ 30,000		6510	5492	17,612	59
061000470	Ledge Street Area Drainage and Paving	$ 30,000		0	0	0	0

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000457	Avenue M - Stewarts Creek Watershed	7	7	10.32	6.73		
061000458	South 3rd - Stewarts Creek Watershed	7	7	10.32	6.73		
061000459	Toby - Little Caney Creek Watershed	0	0	6.54	3.90		
061000460	Southern Oak - Little Laney Creek	0	0	6.54	3.90		
061000461	Rush Creek Lake - Lake Conroe Estates Watershed	1	1	0.38	1.18		
061000462	Longmire and SH-105 - Live Oak Creek Watershed	0	0	2.27	0.70		
061000463	Southeast Montgomery County Master Drainage Plan	17	17	212.79	296.67		
061000464	Carpenters Bayou (West Acres, Shadowglen & Old River Terrace Neighborhood)	2	2	18.83	96.27		
061000465	Catalina	16	16	578.02	596.69		
061000466	Ralston Acres Subdivision Drainage Improvements	0	0	1.72	1.92		
061000467	Middle Armand Bayou Protection Project	4	4	61.33	44.71		
061000468	Houston Sunnyside Area Flood Mitigation	0	0	22.13	10.29		
061000469	Eastex Freeway Forest Sections 3 & 4 Subdivision Improvements	3	3	71.51	12.08		
061000470	Ledge Street Area Drainage and Paving	0	0	0.00	0.00		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000471	Scott Street (OST to Brays Bayou) Area Drainage and Paving Improvements (remove southland from it)	Project for design and construction of storm drainage and paving improvements in the Scott Street Area. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris
061000472	Freeway Manor North Area Drainage and Paving Improvements FMN, FMS, GWT and C106-10	Project for design and construction of storm drainage and paving improvements in the Freeway Manor North Area to mitigate structural flooding risk. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris
061000473	Richmond Plaza (South) Drainage and Paving Improvements (Chimney Rock -Burnett/Bayland Park)	Project for design and construction of storm drainage and paving improvements in the Richmond Plaza Area to reduce risk and structural flooding. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris
061000474	Southland Area Drainage and Paving Improvements	Project for design and construction of storm drainage and paving improvements in the Southland Area. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris
061000475	Westbury Area Drainage and Paving Improvements Subproject 1 (+30%) -include entire Westbury	Project for design and construction of storm drainage and paving improvements including a surface detention basin in the Westbury Area. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris
061000476	Chateau Forest Area Drainage and Paving (30%) Goforth	Project for design and construction of storm drainage and paving improvements in the Chateau Forest Drive and West Little York Road Areas. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris
061000477	Drainage and Paving Improvements for Cottage Grove East - Phase II	Phase 2 of storm drainage and street improvements bounded by IH-10W, White Oak Bayou, TC Jester, and Durham Dr. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris
061000478	TIRZ17 Memorial City Area Detention Basin	Provides for right-of-way aquisition, design and construction of detention basins to mitigate impacts in the Memorial City Area. Cost is to perform the BCA and additional anlaysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris
061000479	P518 Aldine West field	Project for design and construction of detention pond in conjuction with TxDot. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris
061000480	Spring Shadows North	Project for design and construction of storm drainage and paving improvements in the Spring Shadows Areas to mitigate structural flooding risk. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris
061000481	Kirkwood/Nottingham	Project provides for design and construction of storm drainage and paving improvements in the Notthingham and Yorkshire Areas. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris
061000482	Gellhorn	This project provides for paving improvements including storm inlet improvements in the Gelhorn Area. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000471	Scott Street (OST to Brays Bayou) Area Drainage and Paving Improvements (remove southland from it)	12040104	120401040402	06000084	Project Planning	1.0907
061000472	Freeway Manor North Area Drainage and Paving Improvements FMN, FMS, GWT and C106-10	12040104	120401040502	06000086	Project Planning	0.1198
061000473	Richmond Plaza (South) Drainage and Paving Improvements (Chimney Rock -Burnett/Bayland Park)	12040104	120401040401	06000083	Project Planning	0.1572
061000474	Southland Area Drainage and Paving Improvements	12040104	120401040402	06000084	Project Planning	0.0285
061000475	Westbury Area Drainage and Paving Improvements Subproject 1 (+30%) -include entire Westbury	12040104	120401040401	06000083	Project Planning	0.1553
061000476	Chateau Forest Area Drainage and Paving (30%) Goforth	12040104	120401040302	06000079	Project Planning	0.5307
061000477	Drainage and Paving Improvements for Cottage Grove East - Phase II	12040104	120401040304	06000081	Project Planning	0.1774
061000478	TIRZ17 Memorial City Area Detention Basin	12040104	120401040303	06000080	Project Planning	0.0334
061000479	P518 Aldine West field	12040104	120401040604	06000090	Project Planning	0.0225
061000480	Spring Shadows North	12040104	120401040302	06000079, 06000080	Project Planning	0.4273
061000481	Kirkwood/Nottingham	12040104	120401040303	06000080	Project Planning	0.3751
061000482	Gellhorn	12040104	120401040701	06000093	Project Planning	0.0176

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000471	Scott Street (OST to Brays Bayou) Area Drainage and Paving Improvements (remove southland from it)		City of Houston	Houston	No
061000472	Freeway Manor North Area Drainage and Paving Improvements FMN, FMS, GWT and C106-10	Riverine, Coastal	City of Houston	Houston	No
061000473	Richmond Plaza (South) Drainage and Paving Improvements (Chimney Rock -Burnett/Bayland Park)	Riverine	City of Houston	Houston	No
061000474	Southland Area Drainage and Paving Improvements		City of Houston	Houston	No
061000475	Westbury Area Drainage and Paving Improvements Subproject 1 (+30%) -include entire Westbury	Riverine	City of Houston	Houston	No
061000476	Chateau Forest Area Drainage and Paving (30%) Goforth	Riverine	City of Houston	Houston	No
061000477	Drainage and Paving Improvements for Cottage Grove East - Phase II	Riverine	City of Houston	Houston	No
061000478	TIRZ17 Memorial City Area Detention Basin		City of Houston	Houston	No
061000479	P518 Aldine West field	Riverine	City of Houston	Houston	No
061000480	Spring Shadows North		City of Houston	Houston	No
061000481	Kirkwood/Nottingham		City of Houston	Houston	No
061000482	Gellhorn	Riverine, Coastal	City of Houston	Houston	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000471	Scott Street (OST to Brays Bayou) Area Drainage and Paving Improvements (remove southland from it)	$ 30,000		0	0	0	0
061000472	Freeway Manor North Area Drainage and Paving Improvements FMN, FMS, GWT and C106-10	$ 30,000		205	204	715	0
061000473	Richmond Plaza (South) Drainage and Paving Improvements (Chimney Rock -Burnett/Bayland Park)	$ 30,000		306	268	1,570	2
061000474	Southland Area Drainage and Paving Improvements	$ 30,000		0	0	0	0
061000475	Westbury Area Drainage and Paving Improvements Subproject 1 (+30%) -include entire Westbury	$ 30,000		104	103	469	1
061000476	Chateau Forest Area Drainage and Paving (30%) Goforth	$ 30,000		672	640	1,937	0
061000477	Drainage and Paving Improvements for Cottage Grove East - Phase II	$ 30,000		27	20	30	0
061000478	TIRZ17 Memorial City Area Detention Basin	$ 30,000		43	40	156	0
061000479	P518 Aldine West field	$ 30,000		3550	3127	10,517	35
061000480	Spring Shadows North	$ 30,000		0	0	0	0
061000481	Kirkwood/Nottingham	$ 30,000		0	0	0	0
061000482	Gellhorn	$ 30,000		36	1	8,578	0

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000471	Scott Street (OST to Brays Bayou) Area Drainage and Paving Improvements (remove southland from it)	0	0	0.00	0.00		
061000472	Freeway Manor North Area Drainage and Paving Improvements FMN, FMS, GWT and C106-10	0	0	2.67	0.00		
061000473	Richmond Plaza (South) Drainage and Paving Improvements (Chimney Rock -Burnett/Bayland Park)	0	0	3.67	0.00		
061000474	Southland Area Drainage and Paving Improvements	0	0	0.00	0.00		
061000475	Westbury Area Drainage and Paving Improvements Subproject 1 (+30%) -include entire Westbury	0	0	1.38	0.00		
061000476	Chateau Forest Area Drainage and Paving (30%) Goforth	0	0	6.07	0.00		
061000477	Drainage and Paving Improvements for Cottage Grove East - Phase II	0	0	0.65	0.00		
061000478	TIRZ17 Memorial City Area Detention Basin	0	0	0.22	0.00		
061000479	P518 Aldine West field	1	1	29.30	1.68		
061000480	Spring Shadows North	0	0	0.00	0.00		
061000481	Kirkwood/Nottingham	0	0	0.00	0.00		
061000482	Gellhorn	2	2	6.81	0.67		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000483	Turkey Gully	This study will analyze the local drainage systems in the Shady Acres area to divert stormwater flow from Turkey Gully to White Oak Bayou. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris
061000484	D-133 Sharpstown	This project provides for the right-of-way acquisition, design and construction of detention basins in the Sharpstown Area. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris
061000485	City of Bellaire Newcastle/Kilmarnock Area Drainage Improvements	Perform engineering services to develop and advance a flood risk reduction project in the Newcastle/Kilmarnock area, servicing the eastern part of the City of Bellaire.	06000001, 06000011, 06000012, 06000015	Harris
061000486	City of Bellaire Loop 610 Area Drainage Improvements	Perform engineering services to develop and advance a flood risk reduction project in the Newcastle area, servicing the east-central part of the City of Bellaire.	06000001, 06000011, 06000012, 06000015	Harris
061000487	City of Bellaire South Rice Area Drainage Improvements	Perform engineering services to develop and advance a flood risk reduction project in the South Rice area, servicing the west-central part of the City of Bellaire.	06000001, 06000011, 06000012, 06000015	Harris
061000488	City of Bellaire Chimney Rock Area Drainage Improvements	Perform preliminary engineering services to develop and advance a flood risk reduction project in the Chimney Rock area, servicing the western part of the City of Bellaire.	06000001, 06000011, 06000012, 06000015	Harris
061000489	City of Huntsville - Elkins Lake Watershed	Analysis of alternatives to determine mitigation of existing flood problems	06000001, 06000011, 06000012, 06000015	Walker
061000490	City of Huntsville - Spring Lake Watershed	Analysis of alternatives to determine mitigation of existing flood problems	06000001, 06000011, 06000012, 06000015	Walker
061000491	Montgomery County MUDs 83,84 - Alternative 4 and 6B PER	Further define Alternative 4 and 6B recommended in the Oakhurst Drainage System & Bentwood Diversion Channel Flood Reduction Study (March 2021) including performing a benefit cost analysis.	06000001, 06000011, 06000012, 06000015	Montgomery
061000494	Montgomery County MUDs 83,84 - Storm Sewer Improvements	Further define storm sewer improvements recommended in the Oakhurst Drainage System & Bentwood Diversion Channel Flood Reduction Study (March 2021), evaluate and identify potential inlet improvements.	06000001, 06000011, 06000012, 06000015	Montgomery
061000495	Preliminary Engineering Design of Detention Pond & Conveyance System for Buddy Grass and Railroad Ditches	Study to create detention pond & Ditch system for Buddy Grass and RR Ditches	06000001, 06000011, 06000012, 06000015	Liberty, Harris
061000496	Feasibility Study - Convert Enderli Reservoir into a Detention Pond	Request to study converting Enderli Reservoir into a detention pond	06000001, 06000011, 06000012, 06000015	Liberty, Harris
061000497	Preliminary Engineering Design of Detention Pond at intersection of HWY90 & Railroad near Cedar Bayou	Study to create detention pond & Ditch system for Buddy Grass and RR Ditches	06000001, 06000011, 06000012, 06000015	Liberty, Harris
061000498	Preliminary Engineering Design of Detention Pond at Gier Road & Cedar Bayou	Study to create detention pond at Gier Road Ditch & Cedar Bayou Intersection	06000001, 06000011, 06000012, 06000015	Liberty

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000483	Turkey Gully	12040104	120401040304	06000081	Project Planning	0.2452
061000484	D-133 Sharpstown	12040204	120401040401	06000083	Project Planning	8.5365
061000485	City of Bellaire Newcastle/Kilmarnock Area Drainage Improvements	12040104	120401040401, 120401040402	06000083, 06000084	Project Planning	3.5976
061000486	City of Bellaire Loop 610 Area Drainage Improvements	12040104	120401040401, 120401040402	06000083, 06000084	Project Planning	3.5976
061000487	City of Bellaire South Rice Area Drainage Improvements	12040104	120401040401, 120401040402	06000083, 06000084	Project Planning	3.5976
061000488	City of Bellaire Chimney Rock Area Drainage Improvements	12040104	120401040401, 120401040402	06000083, 06000084	Project Planning	3.5976
061000489	City of Huntsville - Elkins Lake Watershed	12040101, 12040103	120401010104, 120401010102, 120401010201, 120401010202, 120401030302	06000004, 06000002, 06000005, 06000006, 06000062	Watershed Planning	43.4252
061000490	City of Huntsville - Spring Lake Watershed	12040101, 12040103	120401010104, 120401010102, 120401010201, 120401010202, 120401030302	06000004, 06000002, 06000005, 06000006, 06000062	Watershed Planning	43.4252
061000491	Montgomery County MUDs 83,84 - Alternative 4 and 6B PER	12040101	120401010501, 120401010404	06000023, 06000024	Project Planning	1.2527
061000494	Montgomery County MUDs 83,84 - Storm Sewer Improvements	12040101	120401010501, 120401010404	06000023, 06000024	Project Planning	1.2527
061000495	Preliminary Engineering Design of Detention Pond & Conveyance System for Buddy Grass and Railroad Ditches	12040203	120402030102	06000100	Project Planning	0.4675
061000496	Feasibility Study - Convert Enderli Reservoir into a Detention Pond	12040203	120402030102, 120402030103	06000100, 06000101	Project Planning	1.5619
061000497	Preliminary Engineering Design of Detention Pond at intersection of HWY90 & Railroad near Cedar Bayou	12040203	120402030103	06000101	Project Planning	1.4708
061000498	Preliminary Engineering Design of Detention Pond at Gier Road & Cedar Bayou	12040203	120402030102	06000100	Project Planning	0.1066

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000483	Turkey Gully	Riverine	City of Houston	Houston	No
061000484	D-133 Sharpstown	Riverine	City of Houston	Houston	No
061000485	City of Bellaire Newcastle/Kilmarnock Area Drainage Improvements	Riverine	City of Bellaire	Bellaire	No
061000486	City of Bellaire Loop 610 Area Drainage Improvements	Riverine	City of Bellaire	Bellaire	No
061000487	City of Bellaire South Rice Area Drainage Improvements	Riverine	City of Bellaire	Bellaire	No
061000488	City of Bellaire Chimney Rock Area Drainage Improvements	Riverine	City of Bellaire	Bellaire	No
061000489	City of Huntsville - Elkins Lake Watershed	Urban/Local	City of Huntsville	Huntsville, Walker	No
061000490	City of Huntsville - Spring Lake Watershed	Urban/Local	City of Huntsville	Huntsville, Walker	No
061000491	Montgomery County MUDs 83,84 - Alternative 4 and 6B PER	Riverine	Montgomery County MUD 83, Montgomery County MUD 84	Montgomery County MUD 83, Montgomery County MUD 84	No
061000494	Montgomery County MUDs 83,84 - Storm Sewer Improvements	Riverine	Montgomery County MUD 83, Montgomery County MUD 84	Montgomery County MUD 83	No
061000495	Preliminary Engineering Design of Detention Pond & Conveyance System for Buddy Grass and Railroad Ditches	Riverine	Liberty County WCID#1	Liberty County Water Control District 1	No
061000496	Feasibility Study - Convert Enderli Reservoir into a Detention Pond	Riverine	Liberty County WCID#1	Liberty County Water Control District 1	No
061000497	Preliminary Engineering Design of Detention Pond at intersection of HWY90 & Railroad near Cedar Bayou	Riverine	Liberty County WCID#1	Liberty County Water Control District 1	No
061000498	Preliminary Engineering Design of Detention Pond at Gier Road & Cedar Bayou	Riverine	Liberty County WCID#1	Liberty County Water Control District 1	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000483	Turkey Gully	$ 30,000		544	503	983	1
061000484	D-133 Sharpstown	$ 30,000		2373	2116	20,445	65
061000485	City of Bellaire Newcastle/Kilmarnock Area Drainage Improvements	$ 1,000,000		5877	5537	25,741	69
061000486	City of Bellaire Loop 610 Area Drainage Improvements	$ 1,000,000		5877	5537	25,741	69
061000487	City of Bellaire South Rice Area Drainage Improvements	$ 1,000,000		5877	5537	25,741	69
061000488	City of Bellaire Chimney Rock Area Drainage Improvements	$ 1,000,000		5877	5537	25,741	69
061000489	City of Huntsville - Elkins Lake Watershed	$ 300,000		69	60	141	0
061000490	City of Huntsville - Spring Lake Watershed	$ 300,000		38	32	69	0
061000491	Montgomery County MUDs 83,84 - Alternative 4 and 6B PER	$ 100,000		0	0	0	0
061000494	Montgomery County MUDs 83,84 - Storm Sewer Improvements	$ 650,000		36	10	20	0
061000495	Preliminary Engineering Design of Detention Pond & Conveyance System for Buddy Grass and Railroad Ditches	$ 5,000,000		763	483	2,677	22
061000496	Feasibility Study - Convert Enderli Reservoir into a Detention Pond	$ 4,000,000		769	484	2,690	22
061000497	Preliminary Engineering Design of Detention Pond at intersection of HWY90 & Railroad near Cedar Bayou	$ 3,000,000		553	346	675	1
061000498	Preliminary Engineering Design of Detention Pond at Gier Road & Cedar Bayou	$ 3,500,000		763	483	2,677	22

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000483	Turkey Gully	0	0	3.62	0.00		
061000484	D-133 Sharpstown	0	0	31.18	0.01		
061000485	City of Bellaire Newcastle/Kilmarnock Area Drainage Improvements	0	0	70.92	0.16		
061000486	City of Bellaire Loop 610 Area Drainage Improvements	0	0	70.92	0.16		
061000487	City of Bellaire South Rice Area Drainage Improvements	0	0	70.92	0.16		
061000488	City of Bellaire Chimney Rock Area Drainage Improvements	0	0	70.92	0.16		
061000489	City of Huntsville - Elkins Lake Watershed	1	1	2.11	2.81		
061000490	City of Huntsville - Spring Lake Watershed	0	0	0.52	0.00		
061000491	Montgomery County MUDs 83,84 - Alternative 4 and 6B PER	0	0	0.85	0.00		
061000494	Montgomery County MUDs 83,84 - Storm Sewer Improvements	0	0	1.17	3.31		
061000495	Preliminary Engineering Design of Detention Pond & Conveyance System for Buddy Grass and Railroad Ditches	0	0	20.85	1344.45		
061000496	Feasibility Study - Convert Enderli Reservoir into a Detention Pond	0	0	20.84	1344.55		
061000497	Preliminary Engineering Design of Detention Pond at intersection of HWY90 & Railroad near Cedar Bayou	0	0	15.71	782.98		
061000498	Preliminary Engineering Design of Detention Pond at Gier Road & Cedar Bayou	0	0	20.79	1343.65		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000499	Preliminary Engineering Design of Detention Pond at Hatcherville & Cedar Bayou Farm Ditches	Study to create detention pond for Hatcherville & Cedar Bayou Farms Ditches	06000001, 06000011, 06000012, 06000015	Liberty
061000500	Green Acres Neighborhood Drainage Improvement Study	Evaluate existing flood risk in the Green Acres Neighborhood and identify solutions to mitigate flooding.	06000001, 06000010	Harris
061000501	Addicks Reservoir - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Addicks Reservoir watershed.	06000010, 06000015	Harris, Waller
061000502	Armand Bayou - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Armand Bayou watershed.	06000010, 06000015	Harris
061000503	Barker Reservoir - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Barkers Reservoir watershed.	06000010, 06000015	Harris, Waller, Fort Bend
061000504	Brays Bayou - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Brays Bayou watershed.	06000010, 06000015	Harris, Fort Bend
061000505	Buffalo Bayou - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Buffalo Bayou watershed.	06000010, 06000015	Harris, Fort Bend
061000506	Carpenters Bayou - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Carpenters Bayou watershed.	06000010, 06000015	Harris
061000507	Cedar Bayou - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Cedar Bayou watershed.	06000010, 06000015	Harris, Liberty, Chambers
061000508	Clear Creek - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Clear Creek watershed.	06000010, 06000015	Harris, Fort Bend, Brazoria, Galveston

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000499	Preliminary Engineering Design of Detention Pond at Hatcherville & Cedar Bayou Farm Ditches	12040203	120402030104	06000102	Project Planning	0.4159
061000500	Green Acres Neighborhood Drainage Improvement Study	12040204	120402040100	06000106	Project Planning	0.3654
061000501	Addicks Reservoir - Neighborhood Future Floodplain Analysis	12040102, 12040104	120401020103, 120401020104, 120401040101, 120401040102, 120401040104, 120401040201, 120401040202, 120401040203, 120401040301, 120401040302, 120401040303	06000028, 06000029, 06000072, 06000076, 06000074, 06000075, 06000079, 06000071, 06000077, 06000080, 06000078	Watershed Planning	138.4694
061000502	Armand Bayou - Neighborhood Future Floodplain Analysis	12040104, 12040204	120401040703, 120401040706, 120402040100	06000095, 06000098, 06000106	Watershed Planning	59.1151
061000503	Barker Reservoir - Neighborhood Future Floodplain Analysis	12040102, 12040104	120401020103, 120401040101, 120401040102, 120401040103, 120401040104, 120401040203, 120401040303, 120401040401	06000028, 06000071, 06000072, 06000073, 06000074, 06000077, 06000080, 06000083	Watershed Planning	129.2783
061000504	Brays Bayou - Neighborhood Future Floodplain Analysis	12040104	120401040303, 120401040305, 120401040401, 120401040402, 120401040501, 120401040502, 120401040703	06000080, 06000082, 06000083, 06000084, 06000085, 06000086, 06000095	Watershed Planning	128.6787
061000505	Buffalo Bayou - Neighborhood Future Floodplain Analysis	12040104	120401040104, 120401040203, 120401040301, 120401040302, 120401040303, 120401040304, 120401040305, 120401040401, 120401040402, 120401040701, 120401040703	06000074, 06000077, 06000078, 06000079, 06000080, 06000081, 06000082, 06000083, 06000084, 06000093, 06000095	Watershed Planning	101.8722
061000506	Carpenters Bayou - Neighborhood Future Floodplain Analysis	12040101, 12040104	120401010502, 120401040605, 120401040606, 120401040702, 120401040703, 120401040704, 120401040705	06000025, 06000091, 06000092, 06000094, 06000095, 06000096, 06000097	Watershed Planning	31.1453
061000507	Cedar Bayou - Neighborhood Future Floodplain Analysis	12040101, 12040103, 12040104, 12040203	120401010501, 120401010502, 120401030205, 120401040704, 120401040705, 120401040706, 120402030101, 120402030101, 120402030102, 120402030103, 120402030104, 120402030105, 120102030106, 120402030200	06000024, 06000025, 06000060, 06000096, 06000097, 06000098, 06000099, 06000100, 06000101, 06000102, 06000103, 06000104, 06000105	Watershed Planning	199.1810
061000508	Clear Creek - Neighborhood Future Floodplain Analysis	12040104, 12040204	120401040501, 120401040502, 120401040703, 120402030100, 120402040200, 120402040400	06000085, 06000086, 06000095, 06000106, 06000107, 06000109	Watershed Planning	201.0327

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000499	Preliminary Engineering Design of Detention Pond at Hatcherville & Cedar Bayou Farm Ditches	Riverine	Liberty County WCID#1	Liberty County Water Control District 1	No
061000500	Green Acres Neighborhood Drainage Improvement Study	Urban/Local	City of Webster	Webster	No
061000501	Addicks Reservoir - Neighborhood Future Floodplain Analysis	Riverine, Urban/Local	Harris County	Harris, Waller, Houston, Katy	No
061000502	Armand Bayou - Neighborhood Future Floodplain Analysis	Riverine, Urban/Local	Harris County	Harris, Houston, Nassau Bay, La Porte, Deer Park, Webster, Pasadena, Taylor Lake Village	No
061000503	Barker Reservoir - Neighborhood Future Floodplain Analysis	Riverine, Urban/Local	Harris County	Fort Bend, Harris, Waller, Houston, Fulshear, Katy	No
061000504	Brays Bayou - Neighborhood Future Floodplain Analysis	Riverine, Urban/Local	Harris County	Fort Bend, Harris, Sugar Land, Missouri City, Houston, Stafford, Bellaire, Meadows Place, Southside Place, West University Place	No
061000505	Buffalo Bayou - Neighborhood Future Floodplain Analysis	Riverine, Urban/Local	Harris County	Fort Bend, Harris, Houston, Hedwig Village, Hilshire Village, Hunters Creek Village, Piney Point Village, Bunker Hill Village, Spring Valley Village	No
061000506	Carpenters Bayou - Neighborhood Future Floodplain Analysis	Riverine, Urban/Local	Harris County	Harris, Houston	No
061000507	Cedar Bayou - Neighborhood Future Floodplain Analysis	Riverine, Coastal, Urban/Local	Harris County	Chambers, Harris, Liberty, Dayton, Baytown, Mont Belvieu	No
061000508	Clear Creek - Neighborhood Future Floodplain Analysis	Riverine, Coastal, Urban/Local	Harris County	Brazoria, Galveston, Fort Bend, Harris, Missouri City, Houston, Alvin, Nassau Bay, Pearland, Clear Lake Shores, Friendswood, La Porte, El Lago, Manvel, Brookside Village, League City	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000499	Preliminary Engineering Design of Detention Pond at Hatcherville & Cedar Bayou Farm Ditches	$ 3,500,000		356	194	438	0
061000500	Green Acres Neighborhood Drainage Improvement Study	$ 100,000		127	120	1,694	0
061000501	Addicks Reservoir - Neighborhood Future Floodplain Analysis	$ 31,022,000		3746	3076	8,182	52
061000502	Armand Bayou - Neighborhood Future Floodplain Analysis	$ 44,078,000		2946	2402	12,810	52
061000503	Barker Reservoir - Neighborhood Future Floodplain Analysis	$ 25,956,000		1051	833	2,598	11
061000504	Brays Bayou - Neighborhood Future Floodplain Analysis	$ 66,091,000		40914	37611	216,118	545
061000505	Buffalo Bayou - Neighborhood Future Floodplain Analysis	$ 5,644,000		1998	1532	36,738	34
061000506	Carpenters Bayou - Neighborhood Future Floodplain Analysis	$ 32,227,000		812	489	2,731	24
061000507	Cedar Bayou - Neighborhood Future Floodplain Analysis	$ 5,340,000		2348	1510	4,369	36
061000508	Clear Creek - Neighborhood Future Floodplain Analysis	$ 75,233,000		27153	22909	75,345	231

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000499	Preliminary Engineering Design of Detention Pond at Hatcherville & Cedar Bayou Farm Ditches	0	0	7.00	702.02		
061000500	Green Acres Neighborhood Drainage Improvement Study	0	0	2.35	0.23		
061000501	Addicks Reservoir - Neighborhood Future Floodplain Analysis	0	0	114.10	1607.18		
061000502	Armand Bayou - Neighborhood Future Floodplain Analysis	4	4	61.72	44.35		
061000503	Barker Reservoir - Neighborhood Future Floodplain Analysis	5	5	34.06	752.60		
061000504	Brays Bayou - Neighborhood Future Floodplain Analysis	2	2	537.16	45.19		
061000505	Buffalo Bayou - Neighborhood Future Floodplain Analysis	0	0	38.72	17.90		
061000506	Carpenters Bayou - Neighborhood Future Floodplain Analysis	2	2	18.83	96.27		
061000507	Cedar Bayou - Neighborhood Future Floodplain Analysis	0	0	64.25	3104.43		
061000508	Clear Creek - Neighborhood Future Floodplain Analysis	12	12	458.14	532.73		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000509	Greens Bayou - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Greens Bayou watershed.	06000010, 06000015	Harris
061000510	Little Cypress Creek - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Little Cypress Creek watershed.	06000010, 06000015	Harris
061000511	Luce Bayou - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Luce Bayou watershed.	06000010, 06000015	Harris, Montgomery, Liberty
061000512	San Jacinto & Galveston Bay - Neighborhood Future Floodplain	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for San Jacinto & Galveston Bay watershed.	06000010, 06000015	Harris
061000513	San Jacinto River - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for San Jacinto River watershed.	06000010, 06000015	Harris, Montgomery
061000514	Sims Bayou - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Sims Bayou watershed.	06000010, 06000015	Harris, Fort Bend
061000515	Spring Creek - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Spring Creek watershed.	06000010, 06000015	Harris, Waller, Montgomery, Grimes

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000509	Greens Bayou - Neighborhood Future Floodplain Analysis	12040101, 12040102, 12040104	120401010501, 120401010502, 120401020106, 120401020107, 120401040301, 120401040302, 120401040304, 120401040601, 120401040602, 120401040603, 120401040604, 120401040601, 120401040602, 120401040603, 120401040604, 120401040605, 120401040606, 120401040701	06000024, 06000025, 06000031, 06000032, 06000078, 06000079, 06000081, 06000087, 06000088, 06000089, 06000090, 06000091, 06000092, 06000093, 06000094, 06000095	Watershed Planning	210.9189
061000510	Little Cypress Creek - Neighborhood Future Floodplain Analysis	12040102	120401020101, 120401020103, 120401020104, 120401020105, 120401020106, 120401020201, 120101020205, 120401020210	06000026, 06000028, 06000029, 06000030, 06000031, 06000033, 06000037. 06000042	Watershed Planning	52.3143
061000511	Luce Bayou - Neighborhood Future Floodplain Analysis	12040101, 12040103, 12040203	120401010501, 120401030203, 120401030204, 120401030205, 120101030402, 120402030101, 120402030102	06000024, 06000058, 06000059, 06000060, 06000070, 06000099, 06000100	Watershed Planning	74.9454
061000512	San Jacinto & Galveston Bay - Neighborhood Future Floodplain	12040104, 12040204	120401040706, 120402040100	06000098, 06000106	Watershed Planning	19.3599
061000513	San Jacinto River - Neighborhood Future Floodplain Analysis	12040101, 12040102, 12040103, 12040104, 12040203, 12040204	999999	999999	Watershed Planning	473.3506
061000514	Sims Bayou - Neighborhood Future Floodplain Analysis	12040104, 12040204	120401040401, 120401040402, 120401040501, 120401040502, 120401040703, 120402040100, 120402040400	06000083, 06000084, 06000085, 06000086, 06000095, 06000106, 06000109	Watershed Planning	93.5379
061000515	Spring Creek - Neighborhood Future Floodplain Analysis	12040101, 12040102, 12040104	999999	06000016, 06000017, 06000018, 06000019, 06000020, 06000021, 06000023, 06000024, 06000026, 06000030, 06000032, 06000033, 06000034, 06000035, 06000036, 06000037, 06000038, 06000039, 06000040, 06000041, 06000042, 06000043, 06000044, 06000045, 06000088	Watershed Planning	385.9557

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000509	Greens Bayou - Neighborhood Future Floodplain Analysis	Riverine, Urban/Local	Harris County	Harris, Houston, Humble	No
061000510	Little Cypress Creek - Neighborhood Future Floodplain Analysis	Riverine, Urban/Local	Harris County	Harris, Houston	No
061000511	Luce Bayou - Neighborhood Future Floodplain Analysis	Riverine, Urban/Local	Harris County	Harris, Liberty, Dayton, Houston	No
061000512	San Jacinto & Galveston Bay - Neighborhood Future Floodplain	Riverine, Coastal, Urban/Local	Harris County	Chambers, Harris, Morgan's Point, La Porte, Pasadena, Seabrook, Shoreacres	No
061000513	San Jacinto River - Neighborhood Future Floodplain Analysis	Riverine, Coastal, Urban/Local	Harris County	Chambers, Harris, Liberty, Houston, Baytown, Montgomery, Patton Village, Roman Forest, Shenandoah, Woodbranch Village, Galena Park, Morgan's Point, Oak Ridge North, Plum Grove, La Porte, Deer Park	No
061000514	Sims Bayou - Neighborhood Future Floodplain Analysis	Riverine, Urban/Local	Harris County	Fort Bend, Harris, Missouri City, Houston, Stafford, South Houston, Pearland, Pasadena	No
061000515	Spring Creek - Neighborhood Future Floodplain Analysis	Riverine, Urban/Local	Harris County	Harris, Waller, Grimes, Houston, Montgomery, Shenandoah, Magnolia, Oak Ridge North, Stagecoach, Waller, Plantersville, Conroe, Tomball, Todd Mission, Humble, Spring	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000509	Greens Bayou - Neighborhood Future Floodplain Analysis	$ 92,079,000		25037	19555	97,307	291
061000510	Little Cypress Creek - Neighborhood Future Floodplain Analysis	$ 13,778,000		1213	1029	2,734	14
061000511	Luce Bayou - Neighborhood Future Floodplain Analysis	$ 2,612,000		772	529	717	0
061000512	San Jacinto & Galveston Bay - Neighborhood Future Floodplain	$ 15,316,000		3301	2855	8,623	107
061000513	San Jacinto River - Neighborhood Future Floodplain Analysis	$ 52,736,000		19487	14524	41,110	361
061000514	Sims Bayou - Neighborhood Future Floodplain Analysis	$ 1,599,000		5854	4880	22,203	73
061000515	Spring Creek - Neighborhood Future Floodplain Analysis	$ 7,219,000		4185	3431	17,055	44

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000509	Greens Bayou - Neighborhood Future Floodplain Analysis	17	17	333.18	163.53		
061000510	Little Cypress Creek - Neighborhood Future Floodplain Analysis	4	4	18.59	192.02		
061000511	Luce Bayou - Neighborhood Future Floodplain Analysis	0	0	40.68	190.57		
061000512	San Jacinto & Galveston Bay - Neighborhood Future Floodplain	0	0	55.06	17.82		
061000513	San Jacinto River - Neighborhood Future Floodplain Analysis	15	15	446.10	801.18		
061000514	Sims Bayou - Neighborhood Future Floodplain Analysis	10	10	102.98	50.52		
061000515	Spring Creek - Neighborhood Future Floodplain Analysis	27	27	106.13	231.65		

FME ID	FME Name	Description	Associated Goal No.	Counties
061000516	Willow Creek - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Willow Creek watershed.	06000010, 06000015	Harris
061000517	Greens Bayou Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Greens Bayou watershed.	06000015	Harris
061000518	Carpenters Bayou Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Carpenters Bayou watershed.	06000015	Harris
061000519	San Jacinto River Watershed Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in San Jacinto River watershed.	06000015	Harris, Montgomery
061000520	Clear Creek Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Clear Creek watershed.	06000015	Harris, Fort Bend, Brazoria, Galveston
061000521	Cypress Creek Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Cypress Creek watershed.	06000015	Harris, Waller

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000516	Willow Creek - Neighborhood Future Floodplain Analysis	12040102	120401020105, 120401020106, 120401020205, 120401020209, 120401020210, 120401020212	06000030, 06000031, 06000037, 06000041, 06000042, 06000044	Watershed Planning	55.6516
061000517	Greens Bayou Local Drainage Study	12040101, 12040102, 12040104	120401010501, 120401010502, 120401020106, 120401020107, 120401040301, 120401040302, 120401040304, 120401040601, 120401040602, 120401040603, 120401040604, 120401040605, 120401040606, 120401040701, 120401040702, 120401040703	06000024, 06000025, 06000031, 06000032, 06000078, 06000079, 06000081, 06000087, 06000088, 06000089, 06000090, 06000091, 06000092, 06000093, 06000094, 06000095	Watershed Planning	210.9189
061000518	Carpenters Bayou Local Drainage Study	12040101, 12040104	120401010502, 120401040605, 120401040606, 120401040702, 120401040703, 120401040704, 120401040705	06000025, 06000091, 06000092, 06000094, 06000095, 06000096, 06000097	Watershed Planning	31.1386
061000519	San Jacinto River Watershed Local Drainage Study	12040101, 12040102, 12040103, 12040104, 12040203, 12040204	999999	999999	Watershed Planning	473.3715
061000520	Clear Creek Local Drainage Study	12040104, 12040204	120401040501, 120401040502, 120401040703, 120402040100, 120402040200, 120402040400	06000085, 06000086, 06000095, 06000106, 06000107, 06000109	Watershed Planning	201.0715
061000521	Cypress Creek Local Drainage Study	12040102, 12040104	999999	06000026, 06000027, 06000028, 06000029, 06000030, 06000031, 06000032, 06000033, 06000042, 06000044, 06000045, 06000071, 06000072, 06000075, 06000076, 06000077, 06000078, 06000087, 06000088, 06000089	Watershed Planning	267.2213

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000516	Willow Creek - Neighborhood Future Floodplain Analysis	Riverine, Urban/Local	Harris County	Harris, Houston, Tomball	No
061000517	Greens Bayou Local Drainage Study	Riverine, Urban/Local	Harris County	Harris, Houston, Humble	No
061000518	Carpenters Bayou Local Drainage Study	Riverine, Urban/Local	Harris County	Harris, Houston	No
061000519	San Jacinto River Watershed Local Drainage Study	Riverine, Coastal, Urban/Local	Harris County	Chambers, Harris, Liberty, Houston, Baytown, Montgomery, Patton Village, Roman Forest, Shenandoah, Woodbranch Village, Galena Park, Morgan's Point, Oak Ridge North, Plum Grove, La Porte, Deer Park	No
061000520	Clear Creek Local Drainage Study	Riverine, Coastal, Urban/Local	Harris County	Brazoria, Galveston, Fort Bend, Harris, Missouri City, Houston, Alvin, Nassau Bay, Pearland, Clear Lake Shores, Friendswood, La Porte, El Lago, Manvel, Brookside Village, League City	No
061000521	Cypress Creek Local Drainage Study	Riverine, Urban/Local	Harris County	Harris, Waller, Houston, Prairie View, Waller, Tomball, Spring	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000516	Willow Creek - Neighborhood Future Floodplain Analysis	$ 17,179,000		1317	1019	2,575	7
061000517	Greens Bayou Local Drainage Study	$ 21,649,000		25037	19555	97,307	291
061000518	Carpenters Bayou Local Drainage Study	$ 1,088,000		812	489	2,731	24
061000519	San Jacinto River Watershed Local Drainage Study	$ 3,288,000		19487	14524	41,110	361
061000520	Clear Creek Local Drainage Study	$ 3,008,000		27130	22909	75,345	231
061000521	Cypress Creek Local Drainage Study	$ 10,768,000		4159	3208	13,877	87

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000516	Willow Creek - Neighborhood Future Floodplain Analysis	8	8	36.03	68.14		
061000517	Greens Bayou Local Drainage Study	17	17	333.18	163.53		
061000518	Carpenters Bayou Local Drainage Study	2	2	18.83	96.27		
061000519	San Jacinto River Watershed Local Drainage Study	15	15	446.10	801.18		
061000520	Clear Creek Local Drainage Study	12	12	458.14	532.73		
061000521	Cypress Creek Local Drainage Study	18	18	109.48	1659.60		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000522	Cypress Creek - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Cypress Creek watershed.	06000010, 06000015	Harris, Waller
061000523	White Oak Bayou - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for White Oak Bayou watershed.	06000010, 06000015	Harris
061000524	White Oak Bayou Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in White Oak Bayou watershed.	06000015	Harris
061000525	Spring Gully & Goose Creek Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Spring Gully & Goose Creek watershed.	06000015	Harris
061000526	Cedar Bayou Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Cedar Bayou watershed.	06000015	Harris, Liberty, Chambers
061000527	Addicks Reservoir Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Addicks Reservoir watershed.	06000015	Harris, Waller
061000528	Little Cypress Creek Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Little Cypress Creek watershed.	06000015	Harris

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000522	Cypress Creek - Neighborhood Future Floodplain Analysis	12040102, 12040104	999999	06000026, 06000027, 06000028, 06000029, 06000030, 06000031, 06000032, 06000033, 06000042, 06000044, 06000045, 06000071, 06000072, 06000075, 06000076, 06000077, 06000078, 06000087, 06000088, 06000089	Watershed Planning	267.2320
061000523	White Oak Bayou - Neighborhood Future Floodplain Analysis	12040102, 12040104	120401020104, 120401020106, 120401040301, 120401040302, 120401040303, 120401040304, 120401040305, 120401040601, 120401040604, 120401040701, 120401040703	06000029, 06000031, 06000078, 06000079, 06000080, 06000081, 06000082, 06000087, 06000090, 06000093, 06000095	Watershed Planning	111.1083
061000524	White Oak Bayou Local Drainage Study	12040102, 12040104	120401020104, 120401020106, 120401040301, 120401040302, 120401040303, 120401040304, 120401040305, 120401040601, 120401040604, 120401040701, 120401040703	06000029, 06000031, 06000078, 06000079, 06000080, 06000081, 06000082, 06000087, 06000090, 06000093, 06000095	Watershed Planning	111.1081
061000525	Spring Gully & Goose Creek Local Drainage Study	12040104, 12040203	120401040704, 120401040705, 120401040706, 120402030104, 120402030105, 120402030106	06000096, 06000097, 06000098, 06000102, 06000103, 06000104	Watershed Planning	34.9574
061000526	Cedar Bayou Local Drainage Study	12040101, 12040103, 12040104, 12040203	120401010501, 120401010502, 120401030205, 120401040704, 120401040705, 120401040706, 120402030101, 120402030102, 120402030103, 120402030104, 120402030105, 120402030106, 120402030200	06000024, 06000025, 06000060, 06000096, 06000097, 06000098, 06000099, 06000100, 06000101, 06000102, 06000103, 06000104, 06000105	Watershed Planning	199.0430
061000527	Addicks Reservoir Local Drainage Study	12040102, 12040104	120401020103, 120401020104, 120401040101, 120401040102, 120401040104, 120401040201, 120401040202, 120401040203, 120401040301, 120401040302, 120401040303	06000028, 06000029, 06000071, 06000072, 06000074, 06000075, 06000076, 06000077, 06000078, 06000079, 06000080	Watershed Planning	138.4692
061000528	Little Cypress Creek Local Drainage Study	12040102	120401020101, 120401020103, 120401020104, 120401020105, 120401020106, 120401020201, 120401020205, 120401020210	06000026, 06000028, 06000029, 06000030, 06000031, 06000033, 06000037, 06000042	Watershed Planning	52.2969

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000522	Cypress Creek - Neighborhood Future Floodplain Analysis	Riverine, Urban/Local	Harris County	Harris, Waller, Houston, Prairie View, Waller, Tomball, Spring	No
061000523	White Oak Bayou - Neighborhood Future Floodplain Analysis	Riverine, Urban/Local	Harris County	Harris, Houston, Jersey Village	No
061000524	White Oak Bayou Local Drainage Study	Riverine, Urban/Local	Harris County	Harris, Houston, Jersey Village	No
061000525	Spring Gully & Goose Creek Local Drainage Study	Riverine, Urban/Local	Harris County	Harris, Baytown	No
061000526	Cedar Bayou Local Drainage Study	Riverine, Coastal, Urban/Local	Harris County	Chambers, Harris, Liberty, Dayton, Baytown, Mont Belvieu	No
061000527	Addicks Reservoir Local Drainage Study	Riverine, Urban/Local	Harris County	Harris, Waller, Houston, Katy	No
061000528	Little Cypress Creek Local Drainage Study	Riverine, Urban/Local	Harris County	Harris, Houston	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000522	Cypress Creek - Neighborhood Future Floodplain Analysis	$ 67,763,000		4159	3208	13,877	87
061000523	White Oak Bayou - Neighborhood Future Floodplain Analysis	$ 46,676,000		17090	14693	85,064	145
061000524	White Oak Bayou Local Drainage Study	$ 4,897,000		17090	14693	85,064	145
061000525	Spring Gully & Goose Creek Local Drainage Study	$ 3,591,000		1882	1508	5,995	64
061000526	Cedar Bayou Local Drainage Study	$ 905,000		2345	1510	4,369	36
061000527	Addicks Reservoir Local Drainage Study	$ 7,151,000		3746	3076	8,182	52
061000528	Little Cypress Creek Local Drainage Study	$ 568,000		1213	1029	2,734	14

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000522	Cypress Creek - Neighborhood Future Floodplain Analysis	18	18	109.48	1659.60		
061000523	White Oak Bayou - Neighborhood Future Floodplain Analysis	4	4	280.87	28.37		
061000524	White Oak Bayou Local Drainage Study	4	4	280.87	28.37		
061000525	Spring Gully & Goose Creek Local Drainage Study	1	1	32.83	73.13		
061000526	Cedar Bayou Local Drainage Study	0	0	64.25	3104.43		
061000527	Addicks Reservoir Local Drainage Study	0	0	114.10	1607.18		
061000528	Little Cypress Creek Local Drainage Study	4	4	18.59	192.02		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000529	Buffalo Bayou Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Buffalo Bayou watershed.	06000015	Harris, Fort Bend
061000530	Spring Gully & Goose Creek - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Spring Gully & Goose Creek watershed.	06000010, 06000015	Harris
061000531	Willow Creek Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Willow Creek watershed.	06000015	Harris
061000532	Luce Bayou Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Luce Bayou watershed.	06000015	Harris, Liberty, Montgomery
061000533	Barker Reservoir Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Barker Reservoir watershed.	06000015	Harris, Fort Bend, Waller
061000534	Brays Bayou Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Brays Bayou watershed.	06000015	Harris, Fort Bend
061000535	Briarwood Area Drainage Improvements	Further analysis to become a FMP. This project includes proposed storm sewer improvements to bring the area to accordance with the City of Baytown drainage criteria. Detention is also proposed to mitigate for impacts from increased flow.	06000001, 06000010	Harris
061000536	North Alexander	Further analysis to become a FMP. This project includes proposed storm sewer improvements to bring the area to accordance with the City of Baytown drainage criteria. Detention is also proposed to mitigate for impacts from increased flow.	06000001, 06000010	Harris
061000537	Rollingbrook Garth and Main	Further analysis to become a FMP. This project includes proposed storm sewer improvements to bring the area to accordance with the City of Baytown drainage criteria. Detention is also proposed to mitigate for impacts from increased flow.	06000001, 06000010	Harris
061000538	West Baytown Phase 2	Further analysis to become a FMP. This project includes proposed storm sewer improvements to bring the area to accordance with the City of Baytown drainage criteria.	06000001, 06000010	Harris

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000529	Buffalo Bayou Local Drainage Study	12040104	120401040104, 120401040203, 120401040301, 120401040302, 120401040303, 120401040304, 120401040305, 120401040401, 120401040402, 120401040701, 120401040703	06000074, 06000077, 06000078, 06000079, 06000080, 06000081, 06000082, 06000083, 06000084, 06000093, 06000095	Watershed Planning	101.8837
061000530	Spring Gully & Goose Creek - Neighborhood Future Floodplain Analysis	12040104, 12040203	120401040704, 120401040705, 120401040706, 120402030104, 120402030105, 120402030106	06000096, 06000097, 06000098, 06000102, 06000103, 06000104	Watershed Planning	34.9574
061000531	Willow Creek Local Drainage Study	12040102	120401020105, 120401020106, 120401020205, 120401020209, 120401020210, 120401020212	06000030, 06000031, 06000037, 06000041, 06000042, 06000044	Watershed Planning	55.5800
061000532	Luce Bayou Local Drainage Study	12040101, 12040103, 12040203	120401010501, 120401030203, 120401030204, 120401030205, 120401030402. 120402030101, 120402030204	06000024, 06000058, 06000059, 06000060, 06000070, 06000099, 06000100	Watershed Planning	74.9439
061000533	Barker Reservoir Local Drainage Study	12040102, 12040104	120401020103, 120401040101, 120401040102, 120401040103, 120101040104, 120401040203, 120401040303, 120401040401	06000028, 06000071, 06000072, 06000073, 06000074, 06000077, 06000080, 06000083	Watershed Planning	128.6197
061000534	Brays Bayou Local Drainage Study	12040104	120401040303, 120401040305, 120101040401, 120401040402, 120401040501, 120401040502, 120401040703	06000080, 06000082, 06000083, 06000084, 06000085, 06000086, 06000095	Watershed Planning	128.6575
061000535	Briarwood Area Drainage Improvements	12040104, 12040203	120401040706, 120402030106	06000098, 06000104	Project Planning	0.0699
061000536	North Alexander	12040203	120402030106	06000104	Project Planning	0.1677
061000537	Rollingbrook Garth and Main	12040104	120401040706	06000098	Project Planning	0.0824
061000538	West Baytown Phase 2	12040104	120401040706	06000098	Project Planning	0.1684

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000529	Buffalo Bayou Local Drainage Study	Riverine, Urban/Local	Harris County	Fort Bend, Harris, Houston, Hedwig Village, Hilshire Village, Hunters Creek Village, Piney Point Village, Bunker Hill Village, Spring Valley Village	No
061000530	Spring Gully & Goose Creek - Neighborhood Future Floodplain Analysis	Riverine, Urban/Local	Harris County	Harris, Baytown	No
061000531	Willow Creek Local Drainage Study	Riverine, Urban/Local	Harris County	Harris, Houston, Tomball	No
061000532	Luce Bayou Local Drainage Study	Riverine, Urban/Local	Harris County	Harris, Liberty, Dayton, Houston	No
061000533	Barker Reservoir Local Drainage Study	Riverine, Urban/Local	Harris County	Fort Bend, Harris, Waller, Houston, Fulshear, Katy	No
061000534	Brays Bayou Local Drainage Study	Riverine, Urban/Local	Harris County	Fort Bend, Harris, Sugar Land, Missouri City, Houston, Stafford, Bellaire, Meadows Place, Southside Place, West University Place	No
061000535	Briarwood Area Drainage Improvements	Urban/Local	City of Baytown	Baytown, Harris	No
061000536	North Alexander	Urban/Local	City of Baytown	Baytown, Harris	No
061000537	Rollingbrook Garth and Main	Urban/Local	City of Baytown	Baytown, Harris	No
061000538	West Baytown Phase 2	Urban/Local	City of Baytown	Baytown, Harris	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000529	Buffalo Bayou Local Drainage Study	$ 195,000		1998	1532	36,738	34
061000530	Spring Gully & Goose Creek - Neighborhood Future Floodplain Analysis	$ 14,929,000		1882	1508	5,995	64
061000531	Willow Creek Local Drainage Study	$ 972,000		1317	1019	2,575	7
061000532	Luce Bayou Local Drainage Study	$ 328,000		772	529	717	0
061000533	Barker Reservoir Local Drainage Study	$ 2,369,000		1051	833	2,598	11
061000534	Brays Bayou Local Drainage Study	$ 334,000		40914	37611	216,118	545
061000535	Briarwood Area Drainage Improvements	$ 30,000		0	0	0	0
061000536	North Alexander	$ 30,000		0	0	0	0
061000537	Rollingbrook Garth and Main	$ 30,000		0	0	0	0
061000538	West Baytown Phase 2	$ 30,000		81	76	302	0

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000529	Buffalo Bayou Local Drainage Study	0	0	38.72	17.90		
061000530	Spring Gully & Goose Creek - Neighborhood Future Floodplain Analysis	1	1	32.83	73.13		
061000531	Willow Creek Local Drainage Study	8	8	36.03	68.14		
061000532	Luce Bayou Local Drainage Study	0	0	40.68	190.57		
061000533	Barker Reservoir Local Drainage Study	5	5	34.06	753.01		
061000534	Brays Bayou Local Drainage Study	2	2	537.14	45.19		
061000535	Briarwood Area Drainage Improvements	0	0	0.00	0.00		
061000536	North Alexander	0	0	0.00	0.00		
061000537	Rollingbrook Garth and Main	0	0	0.00	0.00		
061000538	West Baytown Phase 2	0	0	1.68	0.00		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000539	Spring Creek Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Spring Creek watershed.	06000001, 06000010	Harris, Montgomery, Waller, Grimes
061000540	South Shore Drainage Pump Station	Project includes analysis to bring the existing storm sewer into compliance with updated drainage criteria along with the evaluation and design of a pump station.	06000001, 06000010	Galveston
061000541	51st Street Drainage Basin Pump Station Project	The project includes evaluation of storm drainage improvements including a pump station at 51st Street and Harborside that will help reduce flooding in the project area and the surrounding areas.	06000001, 06000011, 06000012, 06000015	Galveston
061000542	Kansas Street Drainage Project, Phase 2	Further analysis of propose drainage improvements within the City's Historic District.	06000001, 06000010	Galveston
061000543	Gum Bayou Drainage Improvements	Widen Gum Bayou from approximately SH 96 to the City's ETJ and create a new detention pond approximately 270 ac-ft in size.	06000001, 06000011, 06000012, 06000015	Galveston
061000544	Magnolia Creek & Cedar Gully Drainage Improvement Project	Project would look at Magnolia Creek and Cedar Gully upstream of FM 518. Improvements would include modification of detention pond outlets and culvert crossings at Summer Place.	06000001, 06000011, 06000012, 06000015	Galveston
061000545	Highland Terrace and Wesley Drive Drainage Improvements	Evaluation of an extension of the FM 518 & Wesley Drive Drainage Improvement project. Includes extending storm sewer improvements.	06000001, 06000011, 06000012, 06000015	Galveston
061000546	Benson Bayou Regional Mitigation Conveyance & Detention Pond Project	Further study of proposed regrading of Benson Bayou and tributaries along with a regional mitigation pond and reconstruction of road crossings and existing outfall structures.	06000001, 06000011, 06000012, 06000015	Galveston
061000547	Interurban Watershed Drainage Improvement Project	Project would widen Interurban Ditch by approximately 10' starting at FM 518 and extending upstream for approximately 2,000 linear feet. A 10 to 12 acre-feet detention pond downstream of FM 518 will need to be constructed to mitigate.	06000001, 06000011, 06000012, 06000015	Galveston
061000548	Patton Subdivision Drainage Improvements Project	Evaluation of storm sewer improvements along Sanders St., West Wilkins St., and Interurban St. The storm sewer would discharge into an approximate 40 ac-ft new detention pond along W. Galveston/W. Wilkins before discharging into Interurban Ditch.	06000001, 06000011, 06000012, 06000015	Galveston

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000539	Spring Creek Local Drainage Study	12040101, 12040102, 12040104	999999	06000016, 06000017, 06000018, 06000019, 06000020, 06000021, 06000023, 06000024, 06000026, 06000030, 06000032, 06000033, 06000034, 06000035, 06000036, 06000037, 06000038, 06000039, 06000040, 06000041, 06000042, 06000043, 06000044, 06000045, 06000088	Watershed Planning	385.8937
061000540	South Shore Drainage Pump Station	12040204	120402040200	06000107	Project Planning	1.2434
061000541	51st Street Drainage Basin Pump Station Project	12040204	120402040200	06000107	Project Planning	1.1769
061000542	Kansas Street Drainage Project, Phase 2	12040204	120402040100, 120402040200	06000106, 06000107	Project Planning	51.8420
061000543	Gum Bayou Drainage Improvements	12040204	120402040100, 120402040200	06000106, 06000107	Project Planning	5.9329
061000544	Magnolia Creek & Cedar Gully Drainage Improvement Project	12040204	120402040100, 120402040200	06000106, 06000107	Project Planning	6.3014
061000545	Highland Terrace and Wesley Drive Drainage Improvements	12040204	120402040100, 120402040200	06000106, 06000107	Project Planning	0.8682
061000546	Benson Bayou Regional Mitigation Conveyance & Detention Pond Project	12040204	120402040100, 120402040200	06000106, 06000107	Project Planning	5.1014
061000547	Interurban Watershed Drainage Improvement Project	12040204	120402040100, 120402040200	06000106, 06000107	Project Planning	1.1236
061000548	Patton Subdivision Drainage Improvements Project	12040204	120402040100, 120402040200	06000106, 06000107	Project Planning	1.1199

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FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000539	Spring Creek Local Drainage Study	Riverine, Urban/Local	Harris County	Harris, Waller, Grimes, Houston, Montgomery, Shenandoah, Magnolia, Oak Ridge North, Stagecoach, Waller, Plantersville, Conroe, Tomball, Todd Mission, Humble, Spring	No
061000540	South Shore Drainage Pump Station	Coastal, Urban/Local	Galveston County	Galveston, Galveston	No
061000541	51st Street Drainage Basin Pump Station Project	Coastal, Urban/Local	Galveston County	Galveston, Galveston	No
061000542	Kansas Street Drainage Project, Phase 2	Riverine, Urban/Local	City of League City	Galveston, Harris, League City	No
061000543	Gum Bayou Drainage Improvements	Riverine, Urban/Local	City of League City	League City, Galveston	No
061000544	Magnolia Creek & Cedar Gully Drainage Improvement Project	Riverine, Urban/Local	City of League City	League City, Galveston	No
061000545	Highland Terrace and Wesley Drive Drainage Improvements	Riverine, Urban/Local	City of League City	League City, Galveston	No
061000546	Benson Bayou Regional Mitigation Conveyance & Detention Pond Project	Riverine, Urban/Local	City of League City	League City, Galveston	No
061000547	Interurban Watershed Drainage Improvement Project	Riverine, Urban/Local	City of League City	League City	No
061000548	Patton Subdivision Drainage Improvements Project	Urban/Local	City of League City	League City, Galveston	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000539	Spring Creek Local Drainage Study	$ 343,000		4185	3431	17,055	44
061000540	South Shore Drainage Pump Station	$ 5,000,000		1718	1560	4,031	14
061000541	51st Street Drainage Basin Pump Station Project	$ 9,000,000		1912	1695	6,139	23
061000542	Kansas Street Drainage Project, Phase 2	$ 580,000		5305	4856	13,944	25
061000543	Gum Bayou Drainage Improvements	$ 1,200,000		927	892	1,357	6
061000544	Magnolia Creek & Cedar Gully Drainage Improvement Project	$ 750,000		334	321	1,076	3
061000545	Highland Terrace and Wesley Drive Drainage Improvements	$ 600,000		29	14	503	8
061000546	Benson Bayou Regional Mitigation Conveyance & Detention Pond Project	$ 5,000,000		308	220	901	0
061000547	Interurban Watershed Drainage Improvement Project	$ 700,000		6	4	31	2
061000548	Patton Subdivision Drainage Improvements Project	$ 700,000		6	4	31	2

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000539	Spring Creek Local Drainage Study	27	27	106.13	231.65		
061000540	South Shore Drainage Pump Station	0	0	29.61	0.41		
061000541	51st Street Drainage Basin Pump Station Project	0	0	26.48	0.00		
061000542	Kansas Street Drainage Project, Phase 2	2	2	105.09	1307.45		
061000543	Gum Bayou Drainage Improvements	0	0	18.41	41.57		
061000544	Magnolia Creek & Cedar Gully Drainage Improvement Project	0	0	3.91	2.42		
061000545	Highland Terrace and Wesley Drive Drainage Improvements	0	0	1.25	4.09		
061000546	Benson Bayou Regional Mitigation Conveyance & Detention Pond Project	0	0	7.46	7.49		
061000547	Interurban Watershed Drainage Improvement Project	0	0	0.95	0.04		
061000548	Patton Subdivision Drainage Improvements Project	0	0	0.95	0.04		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000551	St. Charles Street Drainage Improvements Project	Further analysis of proposed storm sewer improvements to St Charles Street and evaluation of detention.	06000001, 06000011, 06000012, 06000015	Galveston
061000552	Columbia Memorial Parkway Drainage Improvement Project	A detailed drainage analysis is needed to confirm storm sewer sizes and if detention would be needed. Project would replace roadside ditches with a curb and gutter system.	06000001, 06000011, 06000012, 06000015	Galveston
061000553	Magnolia Creek & Cedar Gully Clearing and Desnagging Project	Project would look at Magnolia Creek and Cedar Gully downstream of FM 518 and all work would be above the ordinary high water mark. Scope of work includes the removal of vegetation and/or Desnagging of the channels.	06000001, 06000011, 06000012, 06000015	Galveston
061000554	Texas Avenue-Magnolia-MedicalCenterBlvd-Hwy3 Drainage Improvement Study	Evaluate existing flood risk in a portion of the city bounded by Magnolia St, Texas Avenue, Hwy3, and Medical Center Blvd. Identify solutions to mitigate flood risk in this area.	06000001, 06000010	Harris
061000555	HCMUD365 Cole Crossing Stormwater Detention and Water Quality Improvement Project	PER to further study and design the incorporation of additional mitigation volume and SWQ features in the existing Cole Crossing detention pond along Cypress Creek.	06000001, 06000011, 06000012, 06000015	Harris
061000556	Brookshire-Katy Drainage District Watershed Study	Study to expand on the recently completed existing conditions model assessment. Conduct a needs assessment and identify mitigation solutions (FMPs) to be incorporated into the flood plan.	06000001, 06000011, 06000012, 06000015	Waller
061000557	Drainage and Paving Improvements for Cottage Grove East - Phase I	Phase 1 of storm drainage and street improvements bounded by IH-10W, White Oak Bayou, Durham Dr. and Shepherd Dr. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris
061000560	Chambers County Sterling Drive Drainage Study	Assess the existing utility and drainage infrastructure and develop a more effective solution to reduce flood risk for the residential development adjacent to Sterling Drive in Baytown.	06000001, 06000011, 06000012, 06000015	Chambers
061000561	Chambers County Bayside Drive Tidal Surge Protection	Analyze feasibility of constructing a seawall and implementing other improvements to protect residents from storm surge.	06000001, 06000011, 06000012, 06000015	Chambers
061000596	Armand Bayou Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Harris

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000551	St. Charles Street Drainage Improvements Project	12040204	120402040100, 120402040200	06000106, 06000107	Project Planning	5.1300
061000552	Columbia Memorial Parkway Drainage Improvement Project	12040204	120402040100, 120402040200	06000106, 06000107	Project Planning	4.4441
061000553	Magnolia Creek & Cedar Gully Clearing and Desnagging Project	12040204	120402040100, 120402040200	06000106, 06000107	Project Planning	5.7608
061000554	Texas Avenue-Magnolia-MedicalCenterBlvd-Hwy3 Drainage Improvement Study	12040204	120402040100	06000106	Project Planning	0.5936
061000555	HCMUD365 Cole Crossing Stormwater Detention and Water Quality Improvement Project	12040102, 12040104	120401020104, 120401020105, 120401020106, 120401020210, 120401040201, 120401040301	06000029, 06000030, 06000031, 06000042, 06000075, 06000078	Project Planning	25.7666
061000556	Brookshire-Katy Drainage District Watershed Study	12040102, 12040104	120401020103, 120401040101, 120401040102, 120401040103, 120401040203	06000028, 06000071, 06000072, 06000073, 06000077	Project Planning	76.7679
061000557	Drainage and Paving Improvements for Cottage Grove East - Phase I	12040104	120401040304	06000081	Project Planning	0.0114
061000560	Chambers County Sterling Drive Drainage Study	12040203	120402030105, 120402030106	06000103, 06000104	Project Planning	0.0490
061000561	Chambers County Bayside Drive Tidal Surge Protection	12040203	120402030200	06000105	Project Planning	0.0964
061000596	Armand Bayou Watershed Study	12040104, 12040204	120402040100, 120401040706, 120401040703	06000095, 06000098, 06000106	Watershed Planning	58.4041

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000551	St. Charles Street Drainage Improvements Project	Riverine, Urban/Local	City of League City	League City, Galveston	No
061000552	Columbia Memorial Parkway Drainage Improvement Project	Riverine, Urban/Local	City of League City	League City, Galveston	No
061000553	Magnolia Creek & Cedar Gully Clearing and Desnagging Project	Riverine, Urban/Local	City of League City	Galveston, League City	No
061000554	Texas Avenue-Magnolia-MedicalCenterBlvd-Hwy3 Drainage Improvement Study	Urban/Local	City of Webster	Webster	No
061000555	HCMUD365 Cole Crossing Stormwater Detention and Water Quality Improvement Project	Riverine	Harris County MUD 365	Harris County Flood Control District, Houston, Harris	No
061000556	Brookshire-Katy Drainage District Watershed Study	Riverine, Urban/Local	Brookshire Katy Drainage District	Fort Bend, Harris, Waller, Brookshire Katy Drainage District, Houston, Katy	No
061000557	Drainage and Paving Improvements for Cottage Grove East - Phase I	Riverine	City of Houston	Houston	No
061000560	Chambers County Sterling Drive Drainage Study	Urban/Local	Chambers County	Chambers, Baytown, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Houston-Galveston Area Council, Chambers County MUD 1, Coastal Water Authority, Baytown Area Water Authority, Trinity River Authority of Texas, Gulf Coast Protection District	No
061000561	Chambers County Bayside Drive Tidal Surge Protection	Riverine, Coastal	Chambers County	Chambers, Beach City, San Jacinto Region Boundary, Chambers-Liberty Counties Navigation District, Gulf Coast Waste Disposal Authority, Houston-Galveston Area Council, Coastal Water Authority, Trinity River Authority of Texas, Gulf Coast Protection District	No
061000596	Armand Bayou Watershed Study	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris, Nassau Bay, La Porte, Houston, Deer Park, Webster, Pasadena, Taylor Lake Village, San Jacinto Region Boundary, Baybrook Management District, Gulf Coast Waste Disposal Authority, NASA Area Management District, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Clear Lake City Water Authority	Yes

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000551	St. Charles Street Drainage Improvements Project	$ 50,000		240	223	1,168	2
061000552	Columbia Memorial Parkway Drainage Improvement Project	$ 100,000		1016	856	2,734	4
061000553	Magnolia Creek & Cedar Gully Clearing and Desnagging Project	$ 150,000		335	322	1,082	3
061000554	Texas Avenue-Magnolia-MedicalCenterBlvd-Hwy3 Drainage Improvement Study	$ 100,000		0	0	0	0
061000555	HCMUD365 Cole Crossing Stormwater Detention and Water Quality Improvement Project	$ 100,000		1038	926	2,445	17
061000556	Brookshire-Katy Drainage District Watershed Study	$ 500,000		217	163	594	2
061000557	Drainage and Paving Improvements for Cottage Grove East - Phase I	$ 30,000		3	0	19	0
061000560	Chambers County Sterling Drive Drainage Study	$ 85,000		0	0	0	0
061000561	Chambers County Bayside Drive Tidal Surge Protection	$ 127,000		19	9	30	0
061000596	Armand Bayou Watershed Study	$ 675,000		2811	2279	19335	45

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000551	St. Charles Street Drainage Improvements Project	0	0	3.10	1.75		
061000552	Columbia Memorial Parkway Drainage Improvement Project	0	0	21.62	3.03		
061000553	Magnolia Creek & Cedar Gully Clearing and Desnagging Project	0	0	3.91	2.40		
061000554	Texas Avenue-Magnolia-MedicalCenterBlvd-Hwy3 Drainage Improvement Study	0	0	0.02	0.03		
061000555	HCMUD365 Cole Crossing Stormwater Detention and Water Quality Improvement Project	0	0	16.05	31.34		
061000556	Brookshire-Katy Drainage District Watershed Study	2	2	6.64	522.13		
061000557	Drainage and Paving Improvements for Cottage Grove East - Phase I	0	0	0.31	0.00		
061000560	Chambers County Sterling Drive Drainage Study	0	0	0.00	0.00		
061000561	Chambers County Bayside Drive Tidal Surge Protection	0	0	0.50	5.08		
061000596	Armand Bayou Watershed Study	4	4	57.94	44.26		

FME ID	FME Name	Description	Associated Goal No.	Counties
061000597	Clear Creek Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Brazoria, Galveston, Fort Bend, Chambers, Harris
061000598	Carpenters Bayou Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Harris
061000599	Halls Bayou Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Harris
061000600	Jackson Bayou Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Harris
061000601	Little Cypress Creek Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Harris
061000602	Luce Bayou Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Harris, Liberty, San Jacinto
061000603	San Jacinto and Galveston Bay Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Chambers, Harris

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000597	Clear Creek Watershed Study	12040104, 12040204	120402040200, 120402040400, 120402040100, 120401040502, 120401040501	06000086, 06000085, 06000107, 06000109, 06000106	Watershed Planning	199.7200
061000598	Carpenters Bayou Watershed Study	12040104	120401010502, 120401040705, 120401040702, 120401040606, 120401040605, 120401040703, 120401040704	06000025, 06000091, 06000095, 06000097, 06000094, 06000092, 06000096	Watershed Planning	29.3788
061000599	Halls Bayou Watershed Study	12040104	120401040601, 120401040304, 120401040302, 120401040603, 120401040604, 120401040606, 120401040605, 120401040701	06000091, 06000087, 06000079, 06000090, 06000092, 06000081, 06000089, 06000093	Watershed Planning	44.7840
061000600	Jackson Bayou Watershed Study	12040101, 12040104, 12040203	120401010502, 120402030103, 120402030104, 120402030102, 120401040704	06000025, 06000096, 06000102, 06000101, 06000100	Watershed Planning	26.1468
061000601	Little Cypress Creek Watershed Study	12040102	120401020103, 120401020104, 120401020101, 120401020105, 120401020106, 120401020201, 120401020205, 120401020210	06000028, 06000029, 06000031, 06000026, 06000030, 06000033, 06000037, 06000042	Watershed Planning	54.0311
061000602	Luce Bayou Watershed Study	12040103	120302021201, 120401030201, 120302030101, 120302021207, 120302030108, 120302030105, 120302030106, 120401030205, 120401010501, 120401030402, 120402030102, 120402030101, 120401030202, 120401030203, 120401030204, 120401030401, 120401030307, 120401030308	06000024, 06000056, 06000060, 06000070, 06000058, 06000059, 06000057, 06000069, 06000067, 06000068, 06000100, 06000099	Watershed Planning	220.6149
061000603	San Jacinto and Galveston Bay Watershed Study	12040104, 12040204	120402040100, 120401040706	06000098, 06000106	Watershed Planning	19.0885

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000597	Clear Creek Watershed Study	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris County Flood Control District	Yes
061000598	Carpenters Bayou Watershed Study	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris County Flood Control District	Yes
061000599	Halls Bayou Watershed Study	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District	Yes
061000600	Jackson Bayou Watershed Study	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Harris County MUD 525, Coastal Water Authority, Harris County MUD 19, Crosby MUD, Harris County WCID 70, Newport MUD, Harris County FWSD 58, Harris County MUD 544, Harris County MUD 544	Yes
061000601	Little Cypress Creek Watershed Study	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District	Yes
061000602	Luce Bayou Watershed Study	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District	Yes
061000603	San Jacinto and Galveston Bay Watershed Study	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Chambers, Harris, Morgan's Point, La Porte, Pasadena, Seabrook, Shoreacres, San Jacinto Region Boundary, Chambers-Liberty Counties Navigation District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, La Porte Area Water Authority, Trinity River Authority of Texas	Yes

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000597	Clear Creek Watershed Study	$ 844,000		27212	22997	121407	239
061000598	Carpenters Bayou Watershed Study	$ 422,000		836	489	4754	24
061000599	Halls Bayou Watershed Study	$ 507,000		12474	10062	43474	98
061000600	Jackson Bayou Watershed Study	$ 422,000		396	255	1075	9
061000601	Little Cypress Creek Watershed Study	$ 507,000		1219	1035	2936	14
061000602	Luce Bayou Watershed Study	$ 675,000		1983	1574	2753	6
061000603	San Jacinto and Galveston Bay Watershed Study	$ 422,000		3301	2855	14150	107

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000597	Clear Creek Watershed Study	12	12	462.41	528.10		
061000598	Carpenters Bayou Watershed Study	2	2	19.31	101.10		
061000599	Halls Bayou Watershed Study	7	7	122.49	9.60		
061000600	Jackson Bayou Watershed Study	0	0	3.47	97.62		
061000601	Little Cypress Creek Watershed Study	4	4	18.73	191.87		
061000602	Luce Bayou Watershed Study	6	6	91.02	248.91		
061000603	San Jacinto and Galveston Bay Watershed Study	0	0	55.06	17.82		

FME ID	FME Name	Description	Associated Goal No.	Counties
061000604	San Jacinto River Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Chambers, Harris, Liberty, Montgomery
061000605	Spring Creek Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Harris, Waller, Montgomery, Grimes
061000606	Spring Gully and Goose Creek Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Harris
061000607	Vince Bayou Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Harris
061000608	Willow Creek Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Harris, Montgomery
061000612	Feasibility Study of the H103-05-00 Subwatershed in City of Jacinto City	Feasibility Study for H103-05-00 Project in City of Jacinto City	06000001, 06000011, 06000012, 06000015	Harris

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000604	San Jacinto River Watershed Study	12040101, 12040102, 12040103, 12040104, 12040203, 12040204	999999	06000025, 06000024, 06000023, 06000045, 06000055, 06000050, 06000054, 06000060, 06000070, 06000095, 06000084, 06000097, 06000098, 06000094, 06000092, 06000088, 06000086, 06000093, 06000096, 06000102, 06000104, 06000100, 06000105, 06000106	Watershed Planning	245.7265
061000605	Spring Creek Watershed Study	12040101, 12040102	999999	999999	Watershed Planning	390.7018
061000606	Spring Gully and Goose Creek Watershed Study	12040104	120402030104, 120402030106, 120401040705, 120401040706, 120401040704	06000097, 06000098, 06000096, 06000102, 06000104	Watershed Planning	34.0180
061000607	Vince Bayou Watershed Study	12040104, 12040204	120402040100, 120401040502, 120401040703	06000095, 06000086, 06000106	Watershed Planning	15.9293
061000608	Willow Creek Watershed Study	12040102	120401020105, 120401020106, 120401020205, 120401020210, 120401020209, 120401020212	06000031, 06000030, 06000037, 06000042, 06000041, 06000044	Watershed Planning	51.0763
061000612	Feasibility Study of the H103-05-00 Subwatershed in City of Jacinto City	12040104	120401040701	06000093	Project Planning	2.0681

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000604	San Jacinto River Watershed Study	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris County Flood Control District	Yes
061000605	Spring Creek Watershed Study	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District	Yes
061000606	Spring Gully and Goose Creek Watershed Study	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris, Baytown, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Lake MUD, Harris County MUD 473, Harris County FWSD 1-B, Harris County MUD 213, Harris County WCID 1, Harris County MUD 459, Baytown Area Water Authority, Harris County FWSD 27	Yes
061000607	Vince Bayou Watershed Study	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris, South Houston, Houston, Pasadena, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	Yes
061000608	Willow Creek Watershed Study	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District	Yes
061000612	Feasibility Study of the H103-05-00 Subwatershed in City of Jacinto City	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris, Jacinto City, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	Yes

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000604	San Jacinto River Watershed Study	$ 1,013,000		8975	6509	44939	310
061000605	Spring Creek Watershed Study	$ 760,000		4202	3447	23818	44
061000606	Spring Gully and Goose Creek Watershed Study	$ 422,000		1882	1508	9370	64
061000607	Vince Bayou Watershed Study	$ 422,000		1133	840	6452	11
061000608	Willow Creek Watershed Study	$ 507,000		1302	1005	3104	7
061000612	Feasibility Study of the H103-05-00 Subwatershed in City of Jacinto City	$ 169,000		290	225	9774	1

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000604	San Jacinto River Watershed Study	5	5	213.70	465.99		
061000605	Spring Creek Watershed Study	27	27	106.51	233.13		
061000606	Spring Gully and Goose Creek Watershed Study	1	1	32.82	73.13		
061000607	Vince Bayou Watershed Study	1	1	18.56	1.84		
061000608	Willow Creek Watershed Study	8	8	35.52	67.02		
061000612	Feasibility Study of the H103-05-00 Subwatershed in City of Jacinto City	2	2	10.41	0.66		

FME ID	FME Name	Description	Associated Goal No.	Counties
061000613	Feasibility Study for Tributary E118-00-00	Feasibility Study for Tributary E118-00-00	06000001, 06000011, 06000012, 06000015	Harris
061000614	Feasibility Study for Little Vince Bayou I101-00-00 in Pasadena	Feasibility Study for Little Vince Bayou I101-00-00 in Pasadena	06000001, 06000011, 06000012, 06000015	Harris
061000615	H103-00-00 Denver Harbor Area Project	A study of the upstream end of H103-00-00 in the Denver Harbor area	06000001, 06000011, 06000012, 06000015	Harris
061000616	Cedar Bayou Overflow and Channel Diversion Study	Cedar Bayou Overflow and Channel Diversion Study for defining flood risk ad mitigation alternative	06000001, 06000011, 06000012, 06000015	Harris, Liberty
061000617	PER of Gulf Bank South Stormwater Detention Basin	Preliminary Engineering Study of Stormwater Detention Basin Gulf Bank South	06000001, 06000011, 06000012, 06000015	Harris
061000618	Feasibility Study of Aldine Westfield North Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Aldine Westfield North	06000001, 06000011, 06000012, 06000015	Harris

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000613	Feasibility Study for Tributary E118-00-00	12040104	120401040304, 120401040302	06000079, 06000081	Project Planning	2.3348
061000614	Feasibility Study for Little Vince Bayou I101-00-00 in Pasadena	12040104, 12040204	120402040100, 120401040703	06000095, 06000106	Project Planning	5.3698
061000615	H103-00-00 Denver Harbor Area Project	12040104	120401040701	06000093	Project Planning	1.4106
061000616	Cedar Bayou Overflow and Channel Diversion Study	12030203, 12040203	120302030301, 120302030302, 120401010502, 120302030108, 120401030205, 120401010501, 120402030102, 120402030101	06000025, 06000024, 06000060, 06000100, 06000099	Project Planning	33.3777
061000617	PER of Gulf Bank South Stormwater Detention Basin	12040104	120401040604	06000090	Project Planning	13.8899
061000618	Feasibility Study of Aldine Westfield North Stormwater Detention Basin	12040104	120401040604	06000090	Project Planning	14.8958

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000613	Feasibility Study for Tributary E118-00-00	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Near Northwest Management District, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	Yes
061000614	Feasibility Study for Little Vince Bayou I101-00-00 in Pasadena	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris, Houston, Pasadena, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	Yes
061000615	H103-00-00 Denver Harbor Area Project	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	Yes
061000616	Cedar Bayou Overflow and Channel Diversion Study	Riverine	Harris County Flood Control District (HCFCD)	Harris, Liberty, Dayton, San Jacinto Region Boundary, San Jacinto River Authority, Liberty County Drainage District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Harris County MUD 557, Coastal Water Authority, Pine Bough PUD, Harris-Liberty Counties MUD 1, Robin PUD, Harris County MUD 506	Yes
061000617	PER of Gulf Bank South Stormwater Detention Basin	Riverine	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Airline Improvement District, Gulf Coast Protection District	Yes
061000618	Feasibility Study of Aldine Westfield North Stormwater Detention Basin	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, East Aldine Management District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Gulf Coast Protection District	Yes

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000613	Feasibility Study for Tributary E118-00-00	$ 254,000		123	111	328	0
061000614	Feasibility Study for Little Vince Bayou I101-00-00 in Pasadena	$ 338,000		22	6	381	0
061000615	H103-00-00 Denver Harbor Area Project	$ 254,000		36	1	8581	0
061000616	Cedar Bayou Overflow and Channel Diversion Study	$ 675,000		561	351	3252	22
061000617	PER of Gulf Bank South Stormwater Detention Basin	$ 1,013,000		8160	6429	27971	54
061000618	Feasibility Study of Aldine Westfield North Stormwater Detention Basin	$ 675,000		8884	7024	31457	54

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000613	Feasibility Study for Tributary E118-00-00	0	0	2.30	3.57		
061000614	Feasibility Study for Little Vince Bayou I101-00-00 in Pasadena	0	0	0.98	0.19		
061000615	H103-00-00 Denver Harbor Area Project	2	2	6.80	0.66		
061000616	Cedar Bayou Overflow and Channel Diversion Study	0	0	15.82	1005.83		
061000617	PER of Gulf Bank South Stormwater Detention Basin	3	3	70.80	1.89		
061000618	Feasibility Study of Aldine Westfield North Stormwater Detention Basin	3	3	87.58	2.34		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000619	Feasibility Study of Aldine Westfield South Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin-Aldine Westfield South	06000001, 06000011, 06000012, 06000015	Harris
061000620	Feasibility Study of Little York Phase 2 Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Little York Phase 2	06000001, 06000011, 06000012, 06000015	Harris
061000621	Feasibility Study of Veterans Memorial Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Vet Memorial	06000001, 06000011, 06000012, 06000015	Harris
061000622	Feasibility Study of the Turney Road Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Turney Rd	06000001, 06000011, 06000012, 06000015	Harris
061000623	Feasibility Study of the Shady Lane Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Shady Ln	06000001, 06000011, 06000012, 06000015	Harris
061000624	Feasibility Study of the Pinewood Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Pinewood	06000001, 06000011, 06000012, 06000015	Harris
061000625	Feasibility Study of the Northline North Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Northline N	06000001, 06000011, 06000012, 06000015	Harris

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000619	Feasibility Study of Aldine Westfield South Stormwater Detention Basin	12040104	120401040604	06000090	Project Planning	14.8956
061000620	Feasibility Study of Little York Phase 2 Stormwater Detention Basin	12040104	120401040604	06000090	Project Planning	2.8613
061000621	Feasibility Study of Veterans Memorial Stormwater Detention Basin	12040104	120401040604	06000090	Project Planning	12.2249
061000622	Feasibility Study of the Turney Road Stormwater Detention Basin	12040104	120401040604	06000090	Project Planning	12.2287
061000623	Feasibility Study of the Shady Lane Stormwater Detention Basin	12040104	120401040604	06000090	Project Planning	6.3084
061000624	Feasibility Study of the Pinewood Stormwater Detention Basin	12040104	120401040604	06000090	Project Planning	7.3217
061000625	Feasibility Study of the Northline North Stormwater Detention Basin	12040104	120401040604	06000090	Project Planning	20.0962

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000619	Feasibility Study of Aldine Westfield South Stormwater Detention Basin	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, East Aldine Management District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Gulf Coast Protection District	Yes
061000620	Feasibility Study of Little York Phase 2 Stormwater Detention Basin	Riverine	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, East Aldine Management District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	Yes
061000621	Feasibility Study of Veterans Memorial Stormwater Detention Basin	Riverine	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Forest Hills MUD, Mount Houston Road MUD, Gulf Coast Protection District	Yes
061000622	Feasibility Study of the Turney Road Stormwater Detention Basin	Riverine	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	Yes
061000623	Feasibility Study of the Shady Lane Stormwater Detention Basin	Riverine	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, East Aldine Management District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Sunbelt FWSD, Gulf Coast Protection District	Yes
061000624	Feasibility Study of the Pinewood Stormwater Detention Basin	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Greater Northside Management District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	Yes
061000625	Feasibility Study of the Northline North Stormwater Detention Basin	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Sunbelt FWSD, Airline Improvement District, Gulf Coast Protection District	Yes

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000619	Feasibility Study of Aldine Westfield South Stormwater Detention Basin	$ 675,000		8884	7024	31457	54
061000620	Feasibility Study of Little York Phase 2 Stormwater Detention Basin	$ 633,000		1067	879	3873	0
061000621	Feasibility Study of Veterans Memorial Stormwater Detention Basin	$ 633,000		5084	3948	17539	34
061000622	Feasibility Study of the Turney Road Stormwater Detention Basin	$ 633,000		5084	3948	17539	34
061000623	Feasibility Study of the Shady Lane Stormwater Detention Basin	$ 633,000		3551	3128	12354	35
061000624	Feasibility Study of the Pinewood Stormwater Detention Basin	$ 633,000		4276	3723	15841	35
061000625	Feasibility Study of the Northline North Stormwater Detention Basin	$ 633,000		10058	8082	34571	75

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000619	Feasibility Study of Aldine Westfield South Stormwater Detention Basin	3	3	87.58	2.34		
061000620	Feasibility Study of Little York Phase 2 Stormwater Detention Basin	2	2	14.19	0.00		
061000621	Feasibility Study of Veterans Memorial Stormwater Detention Basin	3	3	43.83	7.29		
061000622	Feasibility Study of the Turney Road Stormwater Detention Basin	3	3	43.83	7.29		
061000623	Feasibility Study of the Shady Lane Stormwater Detention Basin	1	1	29.31	1.67		
061000624	Feasibility Study of the Pinewood Stormwater Detention Basin	1	1	46.10	2.12		
061000625	Feasibility Study of the Northline North Stormwater Detention Basin	5	5	82.78	8.96		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000626	Feasibility Study of the Northline South Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Northline S	06000001, 06000011, 06000012, 06000015	Harris
061000627	Feasibility Study of the Lakewood Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Lakewood Basin	06000001, 06000011, 06000012, 06000015	Harris
061000628	Feasibility Study of the Langley Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Langley Basin	06000001, 06000011, 06000012, 06000015	Harris
061000629	Feasibility Study of the Haywood Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Haywood Basin	06000001, 06000011, 06000012, 06000015	Harris
061000630	Feasibility Study of the Cockrell Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Cockrell	06000001, 06000011, 06000012, 06000015	Harris
061000631	Feasibility Study of Halls Bayou Main Stem Conveyance Improvements	Feasibility Study of Halls Bayou Mainstem Conveyance Improvements	06000001, 06000011, 06000012, 06000015	Harris

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000626	Feasibility Study of the Northline South Stormwater Detention Basin	12040104	120401040604	06000090	Project Planning	20.0974
061000627	Feasibility Study of the Lakewood Stormwater Detention Basin	12040104	120401040604	06000090	Project Planning	7.3215
061000628	Feasibility Study of the Langley Stormwater Detention Basin	12040104	120401040604	06000090	Project Planning	9.5561
061000629	Feasibility Study of the Haywood Stormwater Detention Basin	12040104	120401040604	06000090	Project Planning	9.5561
061000630	Feasibility Study of the Cockrell Stormwater Detention Basin	12040104	120401040604	06000090	Project Planning	3.0542
061000631	Feasibility Study of Halls Bayou Main Stem Conveyance Improvements	12040104	120401040604	06000090	Project Planning	44.7840

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000626	Feasibility Study of the Northline South Stormwater Detention Basin	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Sunbelt FWSD, Airline Improvement District, Gulf Coast Protection District	Yes
061000627	Feasibility Study of the Lakewood Stormwater Detention Basin	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Greater Northside Management District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	Yes
061000628	Feasibility Study of the Langley Stormwater Detention Basin	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, East Aldine Management District, Greater Northside Management District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	Yes
061000629	Feasibility Study of the Haywood Stormwater Detention Basin	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Greater Northside Management District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	Yes
061000630	Feasibility Study of the Cockrell Stormwater Detention Basin	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Greenspoint District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Central Harris County Regional Water Authority, Coastal Water Authority, Fallbrook Utility District, Gulf Coast Protection District	Yes
061000631	Feasibility Study of Halls Bayou Main Stem Conveyance Improvements	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, East Aldine Management District, Greater Northside Management District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Sunbelt FWSD, Airline Improvement District, Coastal Water Authority, Northwest Park MUD, Forest Hills MUD, Mount Houston Road MUD, Gulf Coast Protection District	Yes

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000626	Feasibility Study of the Northline South Stormwater Detention Basin	$ 633,000		10058	8082	34571	75
061000627	Feasibility Study of the Lakewood Stormwater Detention Basin	$ 633,000		4276	3723	15841	35
061000628	Feasibility Study of the Langley Stormwater Detention Basin	$ 633,000		2048	1683	7272	3
061000629	Feasibility Study of the Haywood Stormwater Detention Basin	$ 633,000		2048	1683	7272	3
061000630	Feasibility Study of the Cockrell Stormwater Detention Basin	$ 633,000		141	59	650	5
061000631	Feasibility Study of Halls Bayou Main Stem Conveyance Improvements	$ 675,000		12474	10062	43474	98

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000626	Feasibility Study of the Northline South Stormwater Detention Basin	5	5	82.78	8.96		
061000627	Feasibility Study of the Lakewood Stormwater Detention Basin	1	1	46.10	2.12		
061000628	Feasibility Study of the Langley Stormwater Detention Basin	2	2	35.17	0.64		
061000629	Feasibility Study of the Haywood Stormwater Detention Basin	2	2	35.17	0.64		
061000630	Feasibility Study of the Cockrell Stormwater Detention Basin	0	0	1.10	0.00		
061000631	Feasibility Study of Halls Bayou Main Stem Conveyance Improvements	7	7	122.49	9.60		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000632	Feasibility Study of Blue Bell Phase 2 Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Blue Bell Phase 2	06000001, 06000011, 06000012, 06000015	Harris
061000633	Cypress Creek Watershed Study to Phase the FMP 63000357	Study to phase and prioritize currently recommended FMP 063000357. Scope would include demonstrating NAI, OPCC, BCAs for individual phases of the larger project	06000001, 06000011, 06000012, 06000015	Harris, Waller
061000634	Projects B106-WP01 and B106-WP02 for City of La Porte	Right-Of-Way, Design and Construction for Conveyance Improvements for B106-00-00 to reduce flooding in the City of La Porte	06000001, 06000011, 06000012, 06000015	Harris
061000635	Little Cedar Bayou Flood Risk Reduction Project	An evaluation in the F216-00-00 subwatershed to further advance the prior findings of the feasibility analysis	06000001, 06000011, 06000012, 06000015	Harris
061000636	South Acres Tributary Channel Conveyance Improvements and Detention	Evaluation in the C124 subwatershed following the C124-00-00-P001 feasibility analysis	06000001, 06000011, 06000012, 06000015	Harris
061000637	Alief Area Flood Risk Management Study	Drainage Analysis of the Alief area in the Brays Bayou watershed	06000001, 06000011, 06000012, 06000015	Harris

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000632	Feasibility Study of Blue Bell Phase 2 Stormwater Detention Basin	12040104	120401040604	06000090	Project Planning	14.5608
061000633	Cypress Creek Watershed Study to Phase the FMP 63000357	12040102	999999	06000027, 06000028, 06000029, 06000031, 06000026, 06000030, 06000032, 06000033, 06000042, 06000044, 06000045, 06000087, 06000076, 06000075, 06000071, 06000077, 06000078, 06000088, 06000089	Other	266.3256
061000634	Projects B106-WP01 and B106-WP02 for City of La Porte	12040204	120402040100, 120401040706	06000098, 06000106	Project Planning	4.7165
061000635	Little Cedar Bayou Flood Risk Reduction Project	12040104, 12040204	120402040100, 120401040706	06000098, 06000106	Project Planning	3.2647
061000636	South Acres Tributary Channel Conveyance Improvements and Detention	12040104	120401040502, 120401040501	06000086, 06000085	Project Planning	0.9983
061000637	Alief Area Flood Risk Management Study	12040104	120401040401	06000083	Watershed Planning	2.8871

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000632	Feasibility Study of Blue Bell Phase 2 Stormwater Detention Basin	Riverine	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	Yes
061000633	Cypress Creek Watershed Study to Phase the FMP 63000357	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District	Yes
061000634	Projects B106-WP01 and B106-WP02 for City of La Porte	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris, La Porte, Deer Park, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, La Porte Area Water Authority, Gulf Coast Protection District	Yes
061000635	Little Cedar Bayou Flood Risk Reduction Project	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris, La Porte, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, La Porte Area Water Authority, Gulf Coast Protection District	Yes
061000636	South Acres Tributary Channel Conveyance Improvements and Detention	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Harris County Improvement District 10A, Gulf Coast Protection District	Yes
061000637	Alief Area Flood Risk Management Study	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, International Management District, Port of Houston Authority, Westchase District, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	Yes

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000632	Feasibility Study of Blue Bell Phase 2 Stormwater Detention Basin	$ 633,000		5111	3948	17823	34
061000633	Cypress Creek Watershed Study to Phase the FMP 63000357	$ 844,000		4154	3204	22479	87
061000634	Projects B106-WP01 and B106-WP02 for City of La Porte	$ 633,000		347	344	1116	0
061000635	Little Cedar Bayou Flood Risk Reduction Project	$ 844,000		673	492	4346	16
061000636	South Acres Tributary Channel Conveyance Improvements and Detention	$ 844,000		0	0	0	0
061000637	Alief Area Flood Risk Management Study	$ 844,000		3398	3135	21245	31

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000632	Feasibility Study of Blue Bell Phase 2 Stormwater Detention Basin	3	3	44.33	7.29		
061000633	Cypress Creek Watershed Study to Phase the FMP 63000357	18	18	109.53	1663.41		
061000634	Projects B106-WP01 and B106-WP02 for City of La Porte	0	0	5.38	0.55		
061000635	Little Cedar Bayou Flood Risk Reduction Project	0	0	15.27	0.66		
061000636	South Acres Tributary Channel Conveyance Improvements and Detention	0	0	0.32	0.00		
061000637	Alief Area Flood Risk Management Study	0	0	32.35	1.55		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000638	Detailed Evaluation of the Cole Creek Stormwater Detention Basin	Feasibility Study of Cole Creek Stormwater detention basin - E517-01-00 to define flood risks and mitigation alternatives	06000001, 06000011, 06000012, 06000015	Harris
061000639	Cypress Trace Stormwater Detention Basin	Feasibility Study of Trace Stormwater Detention Basin - K500-Future Project to define flood risks and mitgation alternatives	06000001, 06000011, 06000012, 06000015	Harris
061000640	Conservation Easements for Natural and Agricultural Lands in the Floodplain	Study conserving lands in 100- and 500-year floodplains. Focus on agricultural lands in the 13-county Texas Coastal Prairie Initiative. Identify eligible lands, develop conservation terms, estimate values, and review federal program compatibility.	06000001, 06000011, 06000012, 06000013, 06000014, 06000015	Brazoria, Galveston, Chambers, Harris, Jefferson, Orange, Hardin
061000641	Caney Creek Detention at FM 1097	Study to determine the feasibility of the implementation of a dry dam detention facility near FM 1097 on Caney Creek to reduce flooding for structures and roadways along Caney Creek.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery, Walker
061000642	Lake Creek - Caney Creek Detention	Study to determine the feasibility of the implementation of a dry dam detention facility along Caney Creek, a tributary to Lake Creek, to reduce flooding for structures and roadways along Caney and Lake Creek.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery, Grimes
061000643	Lake Creek - Little Caney Creek Detention	Study to determine the feasibility of the implementation of a dry dam detention facility along Little Caney Creek, a tributary to Lake Creek, to reduce flooding for structures and roadways along Little Caney and Lake Creek.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery, Grimes

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000638	Detailed Evaluation of the Cole Creek Stormwater Detention Basin	12040104	120401040302	06000079	Project Planning	5.2081
061000639	Cypress Trace Stormwater Detention Basin	12040102	120401020107	06000032	Project Planning	22.6788
061000640	Conservation Easements for Natural and Agricultural Lands in the Floodplain	12020003, 12090402, 12020007, 12030203, 12040101, 12040104, 12090401, 12040203, 12070104, 12040202, 12040204, 12040205, 12010005, 12040201	999999	06000025, 06000095, 06000084, 06000097, 06000098, 06000094, 06000082, 06000092, 06000081, 06000086, 06000093, 06000096, 06000103, 06000104, 06000105, 06000108, 06000107, 06000109, 06000110, 06000106	Project Planning	12949.3975
061000641	Caney Creek Detention at FM 1097	12040103	120401030110, 120401010401, 120401010403, 120401030104, 120401030101, 120401030102, 120401030103, 120401030105, 120401030106, 120401030107, 120401030109, 120401010204, 120401010404, 120401010501, 120401030402, 120401030303, 120401030302	06000022, 06000005, 06000006, 06000020, 06000008, 06000024, 06000009, 06000023, 06000055, 06000047, 06000049, 06000046, 06000048, 06000050, 06000051, 06000052, 06000054, 06000070, 06000063, 06000062	Project Planning	214.9429
061000642	Lake Creek - Caney Creek Detention	12040101	999999	999999	Project Planning	455.2768
061000643	Lake Creek - Little Caney Creek Detention	12040101	999999	999999	Project Planning	455.2768

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000638	Detailed Evaluation of the Cole Creek Stormwater Detention Basin	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, CY Fair Community Improvement District, Coastal Water Authority, Gulf Coast Protection District	Yes
061000639	Cypress Trace Stormwater Detention Basin	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, North Harris County Regional Water Authority, CNP Utility District, Coastal Water Authority, Harris County WCID 110, Gulf Coast Protection District	Yes
061000640	Conservation Easements for Natural and Agricultural Lands in the Floodplain	Riverine, Coastal	Coastal Prairie Conservancy	Coastal Prairie Conservancy	No
061000641	Caney Creek Detention at FM 1097	Riverine	San Jacinto River Authority	San Jacinto River Authority	No
061000642	Lake Creek - Caney Creek Detention	Riverine	San Jacinto River Authority	San Jacinto River Authority	No
061000643	Lake Creek - Little Caney Creek Detention	Riverine	San Jacinto River Authority	San Jacinto River Authority	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000638	Detailed Evaluation of the Cole Creek Stormwater Detention Basin	$ 844,000		530	244	12158	3
061000639	Cypress Trace Stormwater Detention Basin	$ 844,000		1317	1128	6645	18
061000640	Conservation Easements for Natural and Agricultural Lands in the Floodplain	$ 844,000		213645	179172	734477	3061
061000641	Caney Creek Detention at FM 1097	$ 692,000		5733	4674	11949	14
061000642	Lake Creek - Caney Creek Detention	$ 692,000		5764	4577	24397	81
061000643	Lake Creek - Little Caney Creek Detention	$ 692,000		5764	4577	24397	81

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000638	Detailed Evaluation of the Cole Creek Stormwater Detention Basin	0	0	14.48	0.00		
061000639	Cypress Trace Stormwater Detention Basin	0	0	25.84	7.96		
061000640	Conservation Easements for Natural and Agricultural Lands in the Floodplain	144	144	3712.14	17828.13		
061000641	Caney Creek Detention at FM 1097	15	15	103.00	108.76		
061000642	Lake Creek - Caney Creek Detention	11	11	157.72	749.34		
061000643	Lake Creek - Little Caney Creek Detention	11	11	157.72	749.34		

FME ID	FME Name	Description	Associated Goal No.	Counties
061000644	Lake Creek - Garrett's Creek Detention	Study to determine the feasibility of the implementation of a dry dam detention facility along Garrett's Creek, a tributary to Lake Creek, to reduce flooding for structures and roadways along Garrett's and Lake Creek.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery, Grimes
061000645	Peach Creek Detention at N Walker Rd	Study to determine the feasibility of the implementation of a dry dam detention facility along Peach and Boggy Creek near N Walker Rd to reduce flooding for structures and roadways along Peach Creek.	06000001, 06000011, 06000012, 06000015	Liberty, Montgomery, San Jacinto, Walker
061000646	Peach Creek Detention at SH 105	Study to determine the feasibility of the implementation of a dry dam detention facility along Peach Creek near SH 105 to reduce flooding for structures and roadways along Peach Creek.	06000001, 06000011, 06000012, 06000015	Liberty, Montgomery, San Jacinto, Walker
061000647	Spring Creek Woodlands Channelization (200-ft)	Study to determine the feasibility of Spring Creek conveyance improvements from Kuykendahl Road to Willow Creek confluence to reduce flooding for surrounding structures and roadways.	06000001, 06000011, 06000012, 06000015	Harris, Waller, Montgomery, Grimes
061000648	Spring Creek I-45 Channelization	Study to determine the feasibility of Spring Creek conveyance improvements from I-45 to approximately 4 miles downstream of Riley Fuzzel Road to reduce flooding for surrounding structures and roadways.	06000001, 06000011, 06000012, 06000015	Harris, Waller, Montgomery, Grimes
061000649	West Fork San Jacinto River SH 242 Channelization	Study to determine the feasibility of West Fork San Jacinto River channelization near SH 242 to reduce flooding for surrounding structures and roadways.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000644	Lake Creek - Garrett's Creek Detention	12040101	999999	999999	Project Planning	455.2768
061000645	Peach Creek Detention at N Walker Rd	12040103	120401030110, 120401030108, 120401030101, 120401030102, 120401030103, 120401030105, 120401030106, 120401030107, 120401030109, 120401030402, 120401030303, 120401030304, 120401030401	06000055, 06000047, 06000053, 06000046, 06000048, 06000050, 06000051, 06000052, 06000054, 06000070, 06000063, 06000064, 06000069	Project Planning	157.9483
061000646	Peach Creek Detention at SH 105	12040103	120401030110, 120401030108, 120401030101, 120401030102, 120401030103, 120401030105, 120401030106, 120401030107, 120401030109, 120401030402, 120401030303, 120401030304, 120401030401	06000055, 06000047, 06000053, 06000046, 06000048, 06000050, 06000051, 06000052, 06000054, 06000070, 06000063, 06000064, 06000069	Project Planning	157.9483
061000647	Spring Creek Woodlands Channelization (200-ft)	12040102	999999	999999	Project Planning	390.7018
061000648	Spring Creek I-45 Channelization	12040102	999999	999999	Project Planning	390.7018
061000649	West Fork San Jacinto River SH 242 Channelization	12040101, 12040102, 12040103, 12040104, 12040203	120401030110, 120401010401, 120401010502, 120401010402, 120401010403, 120401020212, 120401020213, 120401030105, 120401010404, 120401010501, 120401030402, 120402030102, 120401040702, 120401040602, 120401040704	06000022, 06000020, 06000025, 06000021, 06000024, 06000023, 06000044, 06000045, 06000055, 06000050, 06000070, 06000094, 06000088, 06000096, 06000100	Project Planning	179.9230

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000644	Lake Creek - Garrett's Creek Detention	Riverine	San Jacinto River Authority	San Jacinto River Authority	No
061000645	Peach Creek Detention at N Walker Rd	Riverine	San Jacinto River Authority	San Jacinto River Authority	No
061000646	Peach Creek Detention at SH 105	Riverine	San Jacinto River Authority	San Jacinto River Authority	No
061000647	Spring Creek Woodlands Channelization (200-ft)	Riverine	San Jacinto River Authority	San Jacinto River Authority	No
061000648	Spring Creek I-45 Channelization	Riverine	San Jacinto River Authority	San Jacinto River Authority	No
061000649	West Fork San Jacinto River SH 242 Channelization	Riverine	San Jacinto River Authority	San Jacinto River Authority	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000644	Lake Creek - Garrett's Creek Detention	$ 692,000		5764	4577	24397	81
061000645	Peach Creek Detention at N Walker Rd	$ 692,000		2966	2357	4918	0
061000646	Peach Creek Detention at SH 105	$ 692,000		2966	2357	4918	0
061000647	Spring Creek Woodlands Channelization (200-ft)	$ 692,000		4202	3447	23818	44
061000648	Spring Creek I-45 Channelization	$ 692,000		4202	3447	23818	44
061000649	West Fork San Jacinto River SH 242 Channelization	$ 692,000		7857	6666	33899	83

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000644	Lake Creek - Garrett's Creek Detention	11	11	157.72	749.34		
061000645	Peach Creek Detention at N Walker Rd	9	9	77.54	27.80		
061000646	Peach Creek Detention at SH 105	9	9	77.54	27.80		
061000647	Spring Creek Woodlands Channelization (200-ft)	27	27	106.51	233.13		
061000648	Spring Creek I-45 Channelization	27	27	106.51	233.13		
061000649	West Fork San Jacinto River SH 242 Channelization	4	4	163.40	404.11		

FME ID	FME Name	Description	Associated Goal No.	Counties
061000650	East Fork San Jacinto River Winters Bayou Detention	Study to determine the feasibility of the implementation of a dry dam detention facility along Winters Bayou to reduce flooding for structures and roadways along the East Fork of the San Jacinto River.	06000001, 06000011, 06000012, 06000015	Harris, Liberty, Montgomery, San Jacinto, Walker
061000651	West Fork San Jacinto River Kingwood Benching	Study to determine the feasibility of West Fork San Jacinto River channelization from I-69 to Lake Houston Parkway to reduce flooding for surrounding structures and roadways.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery
061000652	Peach Creek Channelization at I-69 (I-59)	Study to determine the feasibility of Peach Creek channelization from I-69 to FM 1485 to reduce flooding for surrounding structures and roadways.	06000001, 06000011, 06000012, 06000015	Liberty, Montgomery, San Jacinto, Walker
061000653	Caney Creek Detention at SH 105	Study to determine the feasibility of the implementation of a dry dam detention facility near SH 105 on Caney Creek to reduce flooding for structures and roadways along Caney Creek.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery, Walker

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000650	East Fork San Jacinto River Winters Bayou Detention	12040103	999999	06000005, 06000006, 06000024, 06000055, 06000056, 06000053, 06000046, 06000051, 06000052, 06000054, 06000060, 06000070, 06000063, 06000065, 06000058, 06000057, 06000061, 06000062, 06000064, 06000066, 06000069, 06000067, 06000068	Project Planning	408.8116
061000651	West Fork San Jacinto River Kingwood Benching	12040101, 12040102, 12040103, 12040104, 12040203	120401030110, 120401010401, 120401010502, 120401010402, 120401010403, 120401020212, 120401020213, 120401030105, 120401010404, 120401010501, 120401030402, 120402030102, 120401040702, 120401040602, 120401040704	06000022, 06000020, 06000025, 06000021, 06000024, 06000023, 06000044, 06000045, 06000055, 06000050, 06000070, 06000094, 06000088, 06000096, 06000100	Project Planning	179.9219
061000652	Peach Creek Channelization at I-69 (I-59)	12040103	120401030110, 120401030108, 120401030101, 120401030102, 120401030103, 120401030105, 120401030106, 120401030107, 120401030109, 120401030402, 120401030303, 120401030304, 120401030401	06000055, 06000047, 06000053, 06000046, 06000048, 06000050, 06000051, 06000052, 06000054, 06000070, 06000063, 06000064, 06000069	Project Planning	157.9483
061000653	Caney Creek Detention at SH 105	12040103	120401030110, 120401010401, 120401010403, 120401030104, 120401030101, 120401030102, 120401030103, 120401030105, 120401030106, 120401030107, 120401030109, 120401010204, 120401010404, 120401010501, 120401030402, 120401030303, 120401030302	06000022, 06000005, 06000006, 06000020, 06000008, 06000024, 06000009, 06000023, 06000055, 06000047, 06000049, 06000046, 06000048, 06000050, 06000051, 06000052, 06000054, 06000070, 06000063, 06000062	Project Planning	214.9429

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000650	East Fork San Jacinto River Winters Bayou Detention	Riverine	San Jacinto River Authority	San Jacinto River Authority	No
061000651	West Fork San Jacinto River Kingwood Benching	Riverine	San Jacinto River Authority	San Jacinto River Authority	No
061000652	Peach Creek Channelization at I-69 (I-59)	Riverine	San Jacinto River Authority	San Jacinto River Authority	No
061000653	Caney Creek Detention at SH 105	Riverine	San Jacinto River Authority	San Jacinto River Authority	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000650	East Fork San Jacinto River Winters Bayou Detention	$ 692,000		3722	2570	5015	3
061000651	West Fork San Jacinto River Kingwood Benching	$ 692,000		7857	6666	33899	83
061000652	Peach Creek Channelization at I-69 (I-59)	$ 692,000		2966	2357	4918	0
061000653	Caney Creek Detention at SH 105	$ 692,000		5733	4674	11949	14

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000650	East Fork San Jacinto River Winters Bayou Detention	1	1	124.76	139.50		
061000651	West Fork San Jacinto River Kingwood Benching	4	4	163.40	404.11		
061000652	Peach Creek Channelization at I-69 (I-59)	9	9	77.54	27.80		
061000653	Caney Creek Detention at SH 105	15	15	103.00	108.76		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000654	Caney Creek Channelization at I-69	Study to determine the feasibility of Caney Creek channelization from I-69 to confluence with the East Fork San Jacinto River to reduce flooding for surrounding structures and roadways.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery, Walker
061000655	Upper San Jacinto River Basin Reservoir Feasibility Study	Study to find the best location for a dual-purpose reservoir in the Upper San Jacinto River Basin. Focus on East Fork San Jacinto River, Winters Bayou, and Peach Creek. Consider real estate, environmental impacts, cost, and benefits.	06000001, 06000011, 06000012, 06000015	Liberty, Montgomery, San Jacinto, Walker
061000656	Pinebrook Drainage Improvements Study	Hydrologic and hydraulic modeling to identify opportunities to improve conveyance and mitigate flood risk in the Pinebrook subdivision.	06000001, 06000011, 06000012, 06000015	Grimes
061000657	Flagtail Creek - Lake Creek and Tributaries Crossing Improvement Study	Study crossings in the Flagtail Creek - Lake Creek sub-watershed (including CR 229, CR 233, CR 231, CR 234, CR 232, CR 262, CR 232A, CR 236, CR 217, CR 242, CR 235, and CR 216) and identify projects to improve undersized culverts and low water crossings.	06000001, 06000011, 06000012, 06000015	Grimes
061000658	Garretts Creek and Tributaries Crossing Improvement Study	Study crossings in the Garretts Creek sub-watershed (including CR 222, CR 237, CR 220, CR 217, CR 218, Fairview Cemetery Road, CR 240, and CR 212) and identify projects to improve undersized culverts and low water crossings.	06000001, 06000011, 06000012, 06000015	Grimes
061000659	Haynie Creek - Little Caney Creek and Tributaries Crossing Improvement Study	Study crossings in the Haynie Creek - Little Caney Creek sub-watershed (including CR 215, CR 211, CR 213, CR 247, CR 210, and Granite Ridge Drive) and identify projects to improve undersized culverts and low water crossings.	06000001, 06000011, 06000012, 06000015	Grimes
061000660	Sand Creek - Caney Creek and Tributaries Crossing Improvement Study	Study crossings in the Sand Creek - Caney Creek sub-watershed (including CR 215, South Oaks Drive, CR 309, CR 208, CR 207, CR 209, CR 206, CR 313, CR 204, and CR 333) and identify projects to improve undersized culverts and low water crossings.	06000001, 06000011, 06000012, 06000015	Grimes

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000654	Caney Creek Channelization at I-69	12040103	120401030110, 120401010401, 120401010403, 120401030104, 120401030101, 120401030102, 120401030103, 120401030105, 120401030106, 120401030107, 120401030109, 120401010204, 120401010404, 120401010501, 120401030402, 120401030303, 120401030302	06000022, 06000005, 06000006, 06000020, 06000008, 06000024, 06000009, 06000023, 06000055, 06000047, 06000049, 06000046, 06000048, 06000050, 06000051, 06000052, 06000054, 06000070, 06000063, 06000062	Project Planning	214.9429
061000655	Upper San Jacinto River Basin Reservoir Feasibility Study	12030202, 12040101, 12040103	999999	999999	Project Planning	747.4085
061000656	Pinebrook Drainage Improvements Study	12040102	120401010306, 120401020206	06000017, 06000038	Watershed Planning	9.9604
061000657	Flagtail Creek - Lake Creek and Tributaries Crossing Improvement Study	12040101	120302020501, 120401010101, 120401010103, 120401010301, 120401010302, 120701030801, 120701030705	06000001, 06000012, 06000013, 06000003	Project Planning	42.1845
061000658	Garretts Creek and Tributaries Crossing Improvement Study	12040101	120401010301, 120401010302, 120401010303, 120401010304, 120701030802	06000012, 06000013, 06000014, 06000015	Project Planning	31.1629
061000659	Haynie Creek - Little Caney Creek and Tributaries Crossing Improvement Study	12040101	120401010302, 120401010303, 120401010304, 120401010305, 120401010306, 120701030802	06000013, 06000014, 06000015, 06000016, 06000017	Project Planning	30.8555
061000660	Sand Creek - Caney Creek and Tributaries Crossing Improvement Study	12040101	120401010304, 120401010305, 120401010306, 120401020206, 120701010802	06000015, 06000016, 06000017, 06000038	Project Planning	37.4340

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000654	Caney Creek Channelization at I-69	Riverine	San Jacinto River Authority	San Jacinto River Authority	No
061000655	Upper San Jacinto River Basin Reservoir Feasibility Study	Riverine	San Jacinto River Authority	Liberty, Montgomery, San Jacinto, Walker, Cleveland, Huntsville, North Cleveland, Cut and Shoot, San Jacinto Region Boundary, San Jacinto River Authority, Liberty County Drainage District, Deep East Texas Council of Governments, Houston-Galveston Area Council, East Montgomery County Improvement District, Phelps SUD, Montgomery County MUD 38	No
061000656	Pinebrook Drainage Improvements Study	Riverine	Grimes County	Grimes, San Jacinto Region Boundary, Brazos Valley Council of Governments, San Jacinto River Authority	No
061000657	Flagtail Creek - Lake Creek and Tributaries Crossing Improvement Study	Riverine	Grimes County	Montgomery, Grimes, San Jacinto Region Boundary, Brazos Valley Council of Governments, San Jacinto River Authority, Brazos River Authority, Houston-Galveston Area Council	No
061000658	Garretts Creek and Tributaries Crossing Improvement Study	Riverine	Grimes County	Montgomery, Grimes, San Jacinto Region Boundary, Brazos Valley Council of Governments, San Jacinto River Authority, Brazos River Authority, Houston-Galveston Area Council	No
061000659	Haynie Creek - Little Caney Creek and Tributaries Crossing Improvement Study	Riverine	Grimes County	Montgomery, Grimes, San Jacinto Region Boundary, Brazos Valley Council of Governments, San Jacinto River Authority, Brazos River Authority, Houston-Galveston Area Council	No
061000660	Sand Creek - Caney Creek and Tributaries Crossing Improvement Study	Riverine	Grimes County	Grimes, Plantersville, San Jacinto Region Boundary, Brazos Valley Council of Governments, San Jacinto River Authority, Brazos River Authority, Grimes County MUD 1	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000654	Caney Creek Channelization at I-69	$ 692,000		5733	4674	11949	14
061000655	Upper San Jacinto River Basin Reservoir Feasibility Study	$ 1,978,000		10458	7960	14582	15
061000656	Pinebrook Drainage Improvements Study	$ 85,000		5	2	2	0
061000657	Flagtail Creek - Lake Creek and Tributaries Crossing Improvement Study	$ 532,000		22	4	12	0
061000658	Garretts Creek and Tributaries Crossing Improvement Study	$ 393,000		1	0	3	0
061000659	Haynie Creek - Little Caney Creek and Tributaries Crossing Improvement Study	$ 380,000		3	0	0	0
061000660	Sand Creek - Caney Creek and Tributaries Crossing Improvement Study	$ 469,000		12	5	9	0

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000654	Caney Creek Channelization at I-69	15	15	103.00	108.76		
061000655	Upper San Jacinto River Basin Reservoir Feasibility Study	21	21	275.11	245.24		
061000656	Pinebrook Drainage Improvements Study	1	1	0.73	1.28		
061000657	Flagtail Creek - Lake Creek and Tributaries Crossing Improvement Study	0	0	2.93	25.61		
061000658	Garretts Creek and Tributaries Crossing Improvement Study	0	0	1.09	20.15		
061000659	Haynie Creek - Little Caney Creek and Tributaries Crossing Improvement Study	0	0	1.08	10.47		
061000660	Sand Creek - Caney Creek and Tributaries Crossing Improvement Study	0	0	2.20	63.01		

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties
061000661	Town of Dobbin - Lake Creek and Tributaries Crossing Improvement Study	Study crossings within the Town of Dobbin - Lake Creek sub watershed (including crossings Askew Road (2x), CR 204 (2x), and CR 203 (4x)) and identify projects to improve undersized culverts and low water crossings.	06000001, 06000011, 06000012, 06000015	Grimes
061000662	Hurricane Creek - Mill Creek and Tributaries Crossing Improvement Study	Study crossings in the Hurricane Creek - Mill Creek sub-watershed (including Overhill Rd, Mill Creek Run, Magnolia Dr, Oak Forest Dr, Greenway Dr, Inwood Rd, Greenbriar Dr, Deerwood Dr, Vernadel Dr, CR 354, CR 351, CR 201, and more) to improve culverts	06000001, 06000011, 06000012, 06000015	Grimes
061000663	Birch Creek - Walnut Creek and Tributaries Crossing Improvement Study	Study crossings in Birch Creek - Walnut Creek sub-watershed (various roads) to improve culverts.	06000001, 06000011, 06000012, 06000015	Grimes

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	HUC8s	HUC12s	Watersheds	Study Type	FME Area (sqmi)
061000661	Town of Dobbin - Lake Creek and Tributaries Crossing Improvement Study	12040101	120401010304, 120401010306, 120401020207, 120401020206	06000015, 06000016, 06000017, 06000039, 06000038	Project Planning	13.3855
061000662	Hurricane Creek - Mill Creek and Tributaries Crossing Improvement Study	12040102	120401010305, 120401010306, 120401020203, 120401020207, 120401020206, 120701010802, 120701010803	06000016, 06000017, 06000035, 06000039, 06000038	Project Planning	25.2135
061000663	Birch Creek - Walnut Creek and Tributaries Crossing Improvement Study	12040102	120401020202, 120401020203, 120401020206, 120701010803	06000034, 06000035, 06000038	Project Planning	17.0591

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need
061000661	Town of Dobbin - Lake Creek and Tributaries Crossing Improvement Study	Riverine	Grimes County	Montgomery, Grimes, Plantersville, San Jacinto Region Boundary, Brazos Valley Council of Governments, San Jacinto River Authority, Houston-Galveston Area Council	No
061000662	Hurricane Creek - Mill Creek and Tributaries Crossing Improvement Study	Riverine	Grimes County	Waller, Montgomery, Grimes, Plantersville, Todd Mission, San Jacinto Region Boundary, Brazos Valley Council of Governments, San Jacinto River Authority, Brazos River Authority, Houston-Galveston Area Council, Magnolia Woods MUD 1, Magnolia Woods MUD 1	No
061000663	Birch Creek - Walnut Creek and Tributaries Crossing Improvement Study	Riverine	Grimes County	Waller, Grimes, Todd Mission, San Jacinto Region Boundary, Brazos Valley Council of Governments, San Jacinto River Authority, Brazos River Authority, Houston-Galveston Area Council	No

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Estimated Study Cost	Potential Funding Sources and Amount	Estimated Number of Structures at Flood Risk	Residential Structures at Flood Risk	Estimated Population at Flood Risk	Critical Facilities at flood risk (#)
061000661	Town of Dobbin - Lake Creek and Tributaries Crossing Improvement Study	$ 266,000		21	8	30	0
061000662	Hurricane Creek - Mill Creek and Tributaries Crossing Improvement Study	$ 254,000		59	41	47	0
061000663	Birch Creek - Walnut Creek and Tributaries Crossing Improvement Study	$ 296,000		26	17	19	0

Appendix 4-4: Table 12 - Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Number of Low Water Crossings at Flood Risk	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
061000661	Town of Dobbin - Lake Creek and Tributaries Crossing Improvement Study	0	0	0.07	25.46		
061000662	Hurricane Creek - Mill Creek and Tributaries Crossing Improvement Study	1	1	3.15	4.94		
061000663	Birch Creek - Walnut Creek and Tributaries Crossing Improvement Study	0	0	0.27	0.92		

Appendix 4-5:

Table 13- Potential FMPs

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties
063000026	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	The LCC Alt. Combination 3 as proposed as part of the LCCDBFMP (2021), including detention channel benching, a diversion tunnel, capacity improvements, and an auxiliary opening.	06000001, 06000005, 06000006, 06000011, 06000012, 06000015	Brazoria, Galveston, Harris
063000027	Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown	Projects submitted as part of the CDBG MIT grant in the Brays Bayou Watershed which include regional channel and detention projects including D133 (Bintliff Ditch) and Sharpstown Drainage.	06000001, 06000005, 06000006, 06000011, 06000012, 06000015	Harris
063000037	Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00	Projects submitted as part of the CDBG MIT grant in the Sims Bayou Watershed which include three (3) regional channel and detention projects including C147/C547, Saltwater Ditch, and C506.	06000001, 06000005, 06000006, 06000011, 06000012, 06000015	Fort Bend, Harris
063000040	Halls Bayou Watershed Mitigation Application 1 - CDBG MIT	Projects submitted as part of the CDBG MIT grant in Halls Bayou which include five (5) regional channel and detention projects including C-28, C-41 Hardy West, C-41 Mainstem, C-30, and C-23.	06000001, 06000005, 06000006, 06000011, 06000015	Harris
063000046	White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak	Projects submitted as part of the CDBG MIT grant in the White Oak Bayou Watershed which include five (5) regional channel and detention projects including Kolbe Road, Barwood, E132-00-00, Tower Oaks, & Little White Oak Bayous.	06000001, 06000005, 06000006, 06000011, 06000015	Harris
063000056	Mary's Creek Lower, Middle, and Upper Segment	A part of the Pearland Master Drainage Plan (2019), this channel improvement alternative includes channel benching to increase conveyance capacity, bridge/culvert replacement to remove hydraulic restrictions, and regional detention to provide mitigation.	06000001, 06000011, 06000012, 06000015	Brazoria, Galveston
063000058	Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105	Reduce flooding in the Caney Creek Watershed by implementing channel improvements to increase capacity and regional detention to reduce discharges. Channel improvements must be constructed with one, or both,	06000001, 06000005, 06000006, 06000011, 06000012, 06000015	Harris, Liberty, Montgomery, San Jacinto, Walker
063000059	East Fork San Jacinto River - Winters Bayou Detention	Design, land acquisition, and construction of a dry dam on Winters Bayou to reduce flooding in the East Fork watershed, capturing runoff and mitigating flood risk.	06000001, 06000003, 06000004, 06000011, 06000012, 06000015	Harris, Liberty, Montgomery, San Jacinto, Walker
063000060	Lake Creek - Detention on Garretts Creek, Little Caney Creek, & Caney Creek	The goal of the detention ponds is to reduce flooding in the Lake Creek and West Fork watersheds by constructing earthen impoundments that captures runoff from Garrett's Creek, Caney Creek, & Little Caney Creek.	06000001, 06000003, 06000004, 06000015	Montgomery, Grimes

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	HUC12s	Watersheds	Project Type	Project Area (sqmi)
063000026	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	120402040200, 120402040100	06000107, 06000107, 06000106	Comprehensive	109.51
063000027	Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown	120401040401	06000083, 06000083	Comprehensive	128.21
063000037	Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00	120401040703, 120401040402, 120401040502, 120401040501, 120402040400, 120402040100	06000095, 06000095, 06000084, 06000086, 06000085, 06000109, 06000106	Comprehensive	93.21
063000040	Halls Bayou Watershed Mitigation Application 1 - CDBG MIT	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091, 06000091, 06000087, 06000079, 06000090, 06000092, 06000081, 06000089, 06000093	Comprehensive	44.45
063000046	White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak	120401020104, 120401020106, 120401040601, 120401040305, 120401040302, 120401040604, 120401040303, 120401040304, 120401040301, 120401040701	06000029, 06000029, 06000031, 06000087, 06000082, 06000079, 06000090, 06000080, 06000081, 06000078, 06000093	Comprehensive	110.71
063000056	Mary's Creek Lower, Middle, and Upper Segment	120402040100	06000106	Comprehensive	17.20
063000058	Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105	99999	99999	Comprehensive	370.50
063000059	East Fork San Jacinto River - Winters Bayou Detention	99999	99999	Detention Pond	408.79
063000060	Lake Creek - Detention on Garretts Creek, Little Caney Creek, & Caney Creek	120401010101, 120401010301, 120401010302, 120401010303, 120401010103, 120401010203, 120401010304, 120401010205	06000001, 06000001, 06000012, 06000013, 06000014, 06000003, 06000007, 06000015, 06000009	Detention Pond	103.90

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
063000026	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	Riverine	City of League City	Brazoria County, Galveston County , Harris County, Harris County Flood Control District (HCFCD)	No
063000027	Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown	Riverine	Harris County Flood Control District (HCFCD)	Harris County, Harris County Flood Control District (HCFCD), Houston	Yes
063000037	Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County, Harris County Flood Control District (HCFCD), Houston	Yes
063000040	Halls Bayou Watershed Mitigation Application 1 - CDBG MIT	Riverine	Harris County Flood Control District (HCFCD)	Harris County, Houston-Galveston County Area Council, Harris County Flood Control District (HCFCD), Houston, Gulf Coast Protection District	Yes
063000046	White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak	Urban/Local	Harris County Flood Control District (HCFCD)	Harris County, Harris County Flood Control District (HCFCD), Jersey Village, Houston	Yes
063000056	Mary's Creek Lower, Middle, and Upper Segment	Riverine	City of Pearland	Brazoria County, Pearland, Friendswood, Galveston County , West Brazoria County Drainage District	No
063000058	Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105	Riverine	Montgomery County	Montgomery County, San Jacinto River Authority, Harris County Flood Control District (HCFCD)	Yes
063000059	East Fork San Jacinto River - Winters Bayou Detention	Riverine	San Jacinto County	San Jacinto County, San Jacinto River Authority, Harris County Flood Control District (HCFCD)	No
063000060	Lake Creek - Detention on Garretts Creek, Little Caney Creek, & Caney Creek	Riverine	Montgomery County	Montgomery County, Grimes County, San Jacinto River Authority, City og Houston, Harris County Flood Control District (HCFCD)	Yes

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

				Flood		
FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Area in 100-year (1% annual chance) floodplain	Area in 500-year (0.2% annual chance) floodplain	Estimated number of structures at 100-year flood risk
063000026	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	$ 1,150,000,000.00		22.08	11.46	3,642.00
063000027	Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown	$ 107,061,000.00		0.62	0.43	267.00
063000037	Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00	$ 99,653,000.00		2.76	0.92	4,367.00
063000040	Halls Bayou Watershed Mitigation Application 1 - CDBG MIT	$ 99,653,000.00		12.04	3.73	15,541.00
063000046	White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak	$ 120,015,000.00		2.31	1.03	2,937.00
063000056	Mary's Creek Lower, Middle, and Upper Segment	$ 154,040,000.00	Other	4.34	1.94	2,711.00
063000058	Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105	$ 469,000,000.00	TWDB FIF grants, GLO	22.85	4.33	2,146.00
063000059	East Fork San Jacinto River - Winters Bayou Detention	$ 167,000,000.00	TWDB, GLO	47.75	6.29	1,896.00
063000060	Lake Creek - Detention on Garretts Creek, Little Caney Creek, & Caney Creek	$ 291,000,000.00		32.68	3.19	479.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Risk			Fl	
FMP ID	FMP Name	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical Facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)
063000026	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	3,035.00	10,260.00	18.00	9.00	9.00
063000027	Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown	182.00	6,750.00	26.00	0.00	0.00
063000037	Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00	4,032.00	14,516.00	59.00	4.00	4.00
063000040	Halls Bayou Watershed Mitigation Application 1 - CDBG MIT	13,009.00	43,667.00	96.00	7.00	7.00
063000046	White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak	2,413.00	10,513.00	41.00	4.00	4.00
063000056	Mary's Creek Lower, Middle, and Upper Segment	2,146.00	6,644.00	9.00	1.00	1.00
063000058	Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105	1,694.00	3,232.00	0.00	3.00	3.00
063000059	East Fork San Jacinto River - Winters Bayou Detention	1,442.00	2,559.00	3.00	1.00	1.00
063000060	Lake Creek - Detention on Garretts Creek, Little Caney Creek, & Caney Creek	368.00	449.00	0.00	5.00	5.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		ood Risk		Reduction in Flood Risk	
FMP ID	FMP Name	Estimated length of roads at 100-year flood risk (miles)	Estimated farm & ranch land at 100-year flood risk (acres)	Number of structures with reduced 100-year (1% annual chance) flood risk	Number of structures removed from 100-year (1% annual chance) flood risk
063000026	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	118.62	16.11	1,358.00	911.00
063000027	Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown	34.19	0.01	78.00	160.00
063000037	Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00	55.45	2.47	1,328.00	2,283.00
063000040	Halls Bayou Watershed Mitigation Application 1 - CDBG MIT	138.51	0.04	3,259.00	3,023.00
063000046	White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak	47.31	0.01	549.00	670.00
063000056	Mary's Creek Lower, Middle, and Upper Segment	54.01	8.50	310.00	2,324.00
063000058	Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105	46.33	27.32	336.00	1,297.00
063000059	East Fork San Jacinto River - Winters Bayou Detention	73.49	5.87	297.00	651.00
063000060	Lake Creek - Detention on Garretts Creek, Little Caney Creek, & Caney Creek	18.22	0.00	41.00	355.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of structures removed from 500-year (0.2% annual chance) flood risk	Residential structures removed from 100-year (1% annual chance) flood risk	Estimated population removed from 100-year (1% annual chance) flood risk	Critical facilities removed from 100-year (1% annual chance) flood risk (#)
063000026	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	2,610.00	835.00	3,653.00	8.00
063000027	Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown	279.00	118.00	2,890.00	4.00
063000037	Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00	970.00	2,127.00	9,352.00	32.00
063000040	Halls Bayou Watershed Mitigation Application 1 - CDBG MIT	1,336.00	2,652.00	9,386.00	6.00
063000046	White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak	381.00	605.00	3,899.00	3.00
063000056	Mary's Creek Lower, Middle, and Upper Segment	2,126.00	1,862.00	7,614.00	6.00
063000058	Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105	238.00	998.00	2,228.00	0.00
063000059	East Fork San Jacinto River - Winters Bayou Detention	1,005.00	506.00	1,412.00	1.00
063000060	Lake Creek - Detention on Garretts Creek, Little Caney Creek, & Caney Creek	397.00	265.00	383.00	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of low water crossings removed from 100-year (1% Annual chance) flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (miles)	Estimated farm & ranch land removed from 100-year flood risk (acres)
063000026	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	1.00	1.00	26.00	16.11
063000027	Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown	0.00	0.00	5.00	0.01
063000037	Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00	2.00	2.00	17.00	2.47
063000040	Halls Bayou Watershed Mitigation Application 1 - CDBG MIT	0.00	0.00	17.00	0.04
063000046	White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak	0.00	0.00	7.00	0.01
063000056	Mary's Creek Lower, Middle, and Upper Segment	1.00	0.00	34.00	8.50
063000058	Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105	0.00	0.00	42.00	27.32
063000059	East Fork San Jacinto River - Winters Bayou Detention	0.00	0.00	17.00	5.87
063000060	Lake Creek - Detention on Garretts Creek, Little Caney Creek, & Caney Creek	1.00	1.00	5.00	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if applicable)	Pre-Project Level of Service	Post-Project Level of Service	Cost/Structure removed	Percent Nature-Based Solution (by cost)
063000026	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	Same		Unknown	Unknown	1262349.13	0.00
063000027	Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown	Same		Unknown	Unknown	669131.25	0.00
063000037	Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00			Unknown	Unknown	43650.03	0.00
063000040	Halls Bayou Watershed Mitigation Application 1 - CDBG MIT			Unknown	0.01	32964.94	0.00
063000046	White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak			Unknown	0.01	179126.88	0.00
063000056	Mary's Creek Lower, Middle, and Upper Segment			Unknown	Unknown	66282.28	0.00
063000058	Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105			Varies by Roadways	Varies by Roadways	361603.72	0.00
063000059	East Fork San Jacinto River - Winters Bayou Detention			Varies by Roadways	Varies by Roadways	205837.19	0.00
063000060	Lake Creek - Detention on Garretts Creek, Little Caney Creek, & Caney Creek			Varies by Roadways	Varies by Roadways	819718.31	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	BCR
063000026	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	No	No	0.33	No		0.06
063000027	Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown	No	No	0.76	No		0.13
063000037	Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00	No	No	0.80	No		1.80
063000040	Halls Bayou Watershed Mitigation Application 1 - CDBG MIT	No	No	0.78	No		1.46
063000046	White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak	No	No	0.92	No		0.80
063000056	Mary's Creek Lower, Middle, and Upper Segment	No	No	0.18	No		0.16
063000058	Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105	No	No	0.55	No		0.30
063000059	East Fork San Jacinto River - Winters Bayou Detention	No	No	0.60	No		0.38
063000060	Lake Creek - Detention on Garretts Creek, Little Caney Creek, & Caney Creek	No	No	0.17	No		0.26

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties
063000061	Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek	Reduce flooding in the Peach Creek Watershed by implementing channel improvements to increase capacity and regional detention to provide storage. Channel improvements must be constructed with one, or both, of the recommended detention facilities.	06000001, 06000003, 06000004, 06000005, 06000006, 06000011, 06000012, 06000015	Liberty, Montgomery, San Jacinto, Walker
063000062	Spring Creek - Woodland (200-ft) and I-45 Channelization with detention at Birch Creek and Walnut Creek	8.9-mile, 200-feet-wide benched improvement 4-feet above the flowline of Woodlands channel and 6.9-mile, 300-foot-wide benched improvement 4 feet above I-45 channel. Must be completed with detention on Birch Creek and Walnut Creek.	06000001, 06000003, 06000004, 06000005, 06000006, 06000011, 06000012, 06000015	Harris, Waller, Montgomery, Grimes
063000064	West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	Reduce flooding in the West Fork San Jacinto River Watershed by implementing channel improvements to increase capacity. Channel improvements must be constructed with one, or multiple, of the Lake Creek and Spring Creek detention facilities listed as indiv	06000001, 06000003, 06000004, 06000011, 06000012, 06000015	Harris, Montgomery
063000065	G103-05-00 St. Charles Place Project S-3	8-ft by 4-ft RCB storm sewer is proposed east of the SJRA canal starting at the intersection of Saint Cecilia and Zinn Drive, extending southward for roughly 1400 feet, and ending at the location of the existing Siphon 21 at tributary G103-05-00	06000001,06000011,06000012,06000015	Harris
063000066	G103-05-02.1 Arcadian Gardens Project, alt S-4	The Holly Road storm sewer is an 8-ft by 2-ft RCB, starting at Cypress Drive and extending 920 feet south to Tributary G103-05-02.1. The channel modification is a 5-ft deep channel extending 500 feet west, with an 8-ft bottom width and 4H:1V side slope	06000001,06000003,06000004,06000015	Harris

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	HUC12s	Watersheds	Project Type	Project Area (sqmi)
063000061	Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek	120401030110, 120401030102, 120401030108, 120401030101, 120401030103, 120401030105, 120401030106, 120401030107, 120401030109, 120401030402, 120401030303, 120401030304, 120401030401	06000055, 06000055, 06000047, 06000053, 06000046, 06000048, 06000050, 06000051, 06000052, 06000054, 06000070, 06000063, 06000064, 06000069	Comprehensive	157.95
063000062	Spring Creek - Woodland (200-ft) and I-45 Channelization with detention at Birch Creek and Walnut Creek	120401030110, 120401030102, 120401030108, 120401030101, 120401030103, 120401030105, 120401030106, 120401030107, 120401030109, 120401030402, 120401030303, 120401030304, 120401030401	06000055, 06000016, 06000017, 06000018, 06000019, 06000020, 06000021, 06000024, 06000023, 06000036, 06000026, 06000030, 06000032, 06000033, 06000034, 06000035, 06000037, 06000039, 06000038, 06000042, 06000040, 06000041, 06000043, 06000044, 06000045, 06000088	Comprehensive	386.26
063000064	West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	120401010502, 120401010501, 120401010404, 120401020213, 120401030110, 120401030402, 120401040705, 120401040702, 120401040602, 120401040704, 120402030104, 120402030102	06000025, 06000024, 06000023, 06000045, 06000055, 06000070, 06000097, 06000094, 06000088, 06000096, 06000102, 06000100	Channel	179.92
063000065	G103-05-00 St. Charles Place Project S-3	120401040704	06000096	Infrastructure	55.32
063000066	G103-05-02.1 Arcadian Gardens Project, alt S-4	120401040704	06000096	Comprehensive	55.32

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
063000061	Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek	Riverine	Montgomery County	Montgomery County, San Jacinto County, San Jacinto River Authority	Yes
063000062	Spring Creek - Woodland (200-ft) and I-45 Channelization with detention at Birch Creek and Walnut Creek	Riverine	San Jacinto River Authority	Harris County, Montgomery County, San Jacinto River Authority, Harris County Flood Control District (HCFCD)	Yes
063000064	West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	Riverine	Harris County Flood Control District (HCFCD)	Harris County, Montgomery County, San Jacinto River Authority, Harris County Flood Control District (HCFCD), Houston	No
063000065	G103-05-00 St. Charles Place Project S-3	Urban/Local	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Harris County MUD 50, Lago Bello MUD 1, Gulf Coast Protection District	Yes
063000066	G103-05-02.1 Arcadian Gardens Project, alt S-4	Riverine	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Harris County MUD 50, Arcadian Gardens MUD, Gulf Coast Protection District	No

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

				Flood		
FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Area in 100-year (1% annual chance) floodplain	Area in 500-year (0.2% annual chance) floodplain	Estimated number of structures at 100-year flood risk
063000061	Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek	$ 810,000,000.00	TWDB, GLO	14.81	2.41	1,516.00
063000062	Spring Creek - Woodland (200-ft) and I-45 Channelization with detention at Birch Creek and Walnut Creek	$ 393,000,000.00		39.44	9.60	7,487.00
063000064	West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	$ 994,000,000.00	TWDB, GLO	63.36	11.90	5,610.00
063000065	G103-05-00 St. Charles Place Project S-3	$ 2,019,000.00		6.29	6.98	968
063000066	G103-05-02.1 Arcadian Gardens Project, alt S-4	$ 1,245,000.00		6.29	6.98	968

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Risk			Fl	
FMP ID	FMP Name	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical Facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)
063000061	Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek	1,172.00	2,166.00	1.00	6.00	6.00
063000062	Spring Creek - Woodland (200-ft) and I-45 Channelization with detention at Birch Creek and Walnut Creek	6,355.00	17,764.00	15.00	7.00	7.00
063000064	West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	4,895.00	15,431.00	59.00	0.00	0.00
063000065	G103-05-00 St. Charles Place Project S-3	808	1,696	4	0	0
063000066	G103-05-02.1 Arcadian Gardens Project, alt S-4	808	1,696	4	0	0

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		ood Risk		Reduction in Flood Risk	
FMP ID	FMP Name	Estimated length of roads at 100-year flood risk (miles)	Estimated farm & ranch land at 100-year flood risk (acres)	Number of structures with reduced 100-year (1% annual chance) flood risk	Number of structures removed from 100-year (1% annual chance) flood risk
063000061	Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek	45.12	2.86	98.00	1,146.00
063000062	Spring Creek - Woodland (200-ft) and I-45 Channelization with detention at Birch Creek and Walnut Creek	120.98	12.83	680.00	5,479.00
063000064	West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	136.42	382.79	1,280.00	2,365.00
063000065	G103-05-00 St. Charles Place Project S-3	18.38	80.05	115	16.00
063000066	G103-05-02.1 Arcadian Gardens Project, alt S-4	18.38	80.05	8	125.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of structures removed from 500-year (0.2% annual chance) flood risk	Residential structures removed from 100-year (1% annual chance) flood risk	Estimated population removed from 100-year (1% annual chance) flood risk	Critical facilities removed from 100-year (1% annual chance) flood risk (#)
063000061	Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek	533.00	842.00	1,855.00	1.00
063000062	Spring Creek - Woodland (200-ft) and I-45 Channelization with detention at Birch Creek and Walnut Creek	5,639.00	4,732.00	18,240.00	8.00
063000064	West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	5,410.00	2,094.00	10,267.00	14.00
063000065	G103-05-00 St. Charles Place Project S-3	31	10	33	1
063000066	G103-05-02.1 Arcadian Gardens Project, alt S-4	31	117	269	0

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of low water crossings removed from 100-year (1% Annual chance) flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (miles)	Estimated farm & ranch land removed from 100-year flood risk (acres)
063000061	Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek	0.00	0.00	24.00	2.86
063000062	Spring Creek - Woodland (200-ft) and I-45 Channelization with detention at Birch Creek and Walnut Creek	0.00	0.00	69.00	12.83
063000064	West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	0.00	0.00	46.00	30.54
063000065	G103-05-00 St. Charles Place Project S-3	0	0	0	0.00
063000066	G103-05-02.1 Arcadian Gardens Project, alt S-4	0	0	1	0.02

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if applicable)	Pre-Project Level of Service	Post-Project Level of Service	Cost/Structure removed	Percent Nature-Based Solution (by cost)
063000061	Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek				Varies by Roadways	706806.31	0.00
063000062	Spring Creek - Woodland (200-ft) and I-45 Channelization with detention at Birch Creek and Walnut Creek			Varies by Roadways	Varies by Roadways	71728.42	0.00
063000064	West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization			Varies by Roadways	Varies by Roadways	606837.63	0.00
063000065	G103-05-00 St. Charles Place Project S-3			Unknown	Unknown	288428.59	0
063000066	G103-05-02.1 Arcadian Gardens Project, alt S-4			Unknown	Unknown	10289.26	0

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	BCR
063000061	Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek	No	No	0.59	No		0.26
063000062	Spring Creek - Woodland (200-ft) and I-45 Channelization with detention at Birch Creek and Walnut Creek	No	No	0.17	No		0.73
063000064	West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	No	No	0.25	No		0.10
063000065	G103-05-00 St. Charles Place Project S-3	No	No	0.75	No		0.68
063000066	G103-05-02.1 Arcadian Gardens Project, alt S-4	No	No	0.75	No		1.32

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties
063000067	G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1	Storm sewer is 12ft x 3ft RCB- at Jean Lafitte Dr extending W to Sandman Ave then along Milo Dr outfalling to FM 1942 proposed system. FM 1942 is 15ft x 6ft RCB @ Jean Lafitte Dr extending E to Crosby Lynchburg Rd and outfalling to G103-09-01	06000001,06000003,06000004,06000015	Harris
063000068	G103-07-00 Sheldon Area Project, PA4	The project would involve channel conveyance improvements along tributaries G103-07-00 and G103-07-02. Both channel segments are proposed to be widened, deepened, and concrete lined	06000001,06000011,06000012,06000015	Harris
063000069	G103-24-00 Atascocita Area Project, PA1	PA1 involves culvert and channel conveyance improvements along tributary G103-24-00 in the Atascocita area.	06000001,06000003,06000004,06000011,06000012,06000015	Harris
063000070	Q130-00-00 Channel Improvement PER and Design, alternative 3	Alternative 3 proposes 3,300 linear feet of a natural stable channel design improvements and two detention basins.	06000001,06000015	Harris, Liberty
063000071	Preliminary Engineering Study for Q122-00-00	Excavation of two (2) stormwater detention basins on and offline of channel Q122-00-00.	06000001,06000003,06000004,06000015	Chambers, Harris

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	HUC12s	Watersheds	Project Type	Project Area (sqmi)
063000067	G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1	120401040704	06000096	Infrastructure	55.32
063000068	G103-07-00 Sheldon Area Project, PA4	120401040702, 120401040704	06000094, 06000096	Channel	4.91
063000069	G103-24-00 Atascocita Area Project, PA1	120401010502, 120401010501, 120401040602	06000025, 06000024, 06000088	Comprehensive	4.40
063000070	Q130-00-00 Channel Improvement PER and Design, alternative 3	120402030103, 120402030102	06000101, 06000100	Comprehensive	3.44
063000071	Preliminary Engineering Study for Q122-00-00	120402030104, 120401040705, 120401040704	06000097, 06000096, 06000102	Detention Pond	8.54

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
063000067	G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1	Urban/Local	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Harris County MUD 50, Lago Bello MUD 1, Gulf Coast Protection District	No
063000068	G103-07-00 Sheldon Area Project, PA4	Riverine	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Northeast Harris County MUD 1, Coastal Water Authority, Sheldon Road MUD, Gulf Coast Protection District	Yes
063000069	G103-24-00 Atascocita Area Project, PA1	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Harris County MUD 106, Harris County MUD 153, Harris County MUD 132, Harris County MUD 152, Harris County MUD 151, Harris County MUD 494, Harris County MUD 109, Gulf Coast Protection District	Yes
063000070	Q130-00-00 Channel Improvement PER and Design, alternative 3	Riverine	Harris County Flood Control District (HCFCD)	Harris, Liberty, San Jacinto Region Boundary, Liberty County Drainage District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Harris County MUD 554, Trinity River Authority of Texas, Gulf Coast Protection District	No
063000071	Preliminary Engineering Study for Q122-00-00	Riverine	Harris County Flood Control District (HCFCD)	Chambers, Harris, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Harris County MUD 50, Harris County MUD 213, Baytown Area Water Authority, Lago Bello MUD 1, Harris County MUD 555, Trinity River Authority of Texas, Gulf Coast Protection District	No

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

				Flood		
FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Area in 100-year (1% annual chance) floodplain	Area in 500-year (0.2% annual chance) floodplain	Estimated number of structures at 100-year flood risk
063000067	G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1	$ 8,798,000.00		6.29	6.98	968
063000068	G103-07-00 Sheldon Area Project, PA4	$ 29,081,000.00		2.26	2.97	813
063000069	G103-24-00 Atascocita Area Project, PA1	$ 16,137,000.00		0.35	0.81	215
063000070	Q130-00-00 Channel Improvement PER and Design, alternative 3	$ 14,497,000.00		0.98	1.29	141
063000071	Preliminary Engineering Study for Q122-00-00	$ 16,153,000.00		7.59	2.61	639

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Risk				Fl
FMP ID	FMP Name	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical Facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)
063000067	G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1	808	1,696	4	0	0
063000068	G103-07-00 Sheldon Area Project, PA4	379	2,411	4	0	0
063000069	G103-24-00 Atascocita Area Project, PA1	209	640	4	0	0
063000070	Q130-00-00 Channel Improvement PER and Design, alternative 3	109	131	0	0	0
063000071	Preliminary Engineering Study for Q122-00-00	451	1,041	0	0	0

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		ood Risk		Reduction in Flood Risk	
FMP ID	FMP Name	Estimated length of roads at 100-year flood risk (miles)	Estimated farm & ranch land at 100-year flood risk (acres)	Number of structures with reduced 100-year (1% annual chance) flood risk	Number of structures removed from 100-year (1% annual chance) flood risk
063000067	G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1	18.38	80.05	209	195.00
063000068	G103-07-00 Sheldon Area Project, PA4	5.94	4.68	215	78.00
063000069	G103-24-00 Atascocita Area Project, PA1	8.61	0.91	14	170.00
063000070	Q130-00-00 Channel Improvement PER and Design, alternative 3	1.10	86.88	37	62.00
063000071	Preliminary Engineering Study for Q122-00-00	4.68	419.28	0	189.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of structures removed from 500-year (0.2% annual chance) flood risk	Residential structures removed from 100-year (1% annual chance) flood risk	Estimated population removed from 100-year (1% annual chance) flood risk	Critical facilities removed from 100-year (1% annual chance) flood risk (#)
063000067	G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1	144	171	351	0
063000068	G103-07-00 Sheldon Area Project, PA4	113	63	1,054	1
063000069	G103-24-00 Atascocita Area Project, PA1	232	165	569	3
063000070	Q130-00-00 Channel Improvement PER and Design, alternative 3	80	49	44	0
063000071	Preliminary Engineering Study for Q122-00-00	41	114	266	0

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of low water crossings removed from 100-year (1% Annual chance) flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (miles)	Estimated farm & ranch land removed from 100-year flood risk (acres)
063000067	G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1	0	0	3	0.82
063000068	G103-07-00 Sheldon Area Project, PA4	0	0	0	0.07
063000069	G103-24-00 Atascocita Area Project, PA1	0	0	6	0.11
063000070	Q130-00-00 Channel Improvement PER and Design, alternative 3	0	0	0	10.52
063000071	Preliminary Engineering Study for Q122-00-00	0	0	1	167.24

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if applicable)	Pre-Project Level of Service	Post-Project Level of Service	Cost/Structure removed	Percent Nature-Based Solution (by cost)
063000067	G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1			Unknown	Unknown	53646.34	0
063000068	G103-07-00 Sheldon Area Project, PA4			Unknown	Unknown	372833.34	0
063000069	G103-24-00 Atascocita Area Project, PA1			Unknown	Unknown	94923.53	0
063000070	Q130-00-00 Channel Improvement PER and Design, alternative 3			Unknown	Unknown	233822.58	0
063000071	Preliminary Engineering Study for Q122-00-00			Unknown	Unknown	85465.61	0

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	BCR
063000067	G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1	No	No	0.75	No		0.59
063000068	G103-07-00 Sheldon Area Project, PA4	No	No	0.62	No		0.09
063000069	G103-24-00 Atascocita Area Project, PA1	No	No	0.13	No		0.56
063000070	Q130-00-00 Channel Improvement PER and Design, alternative 3	No	No	0.25	No		0.02
063000071	Preliminary Engineering Study for Q122-00-00	No	No	0.74	No		0.03

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties
063000072	TLV Drainage Improvement Project	Replaces undersized drainage systems along Honey Oaks, Manorfield, Laurel Grove, and Forest Lake Drives, outfalling to Armand Bayou. Honey Oaks upsized to 60” RCP; Manorfield and Forest Lake to 36”-60” RCP; Laurel Grove and Forest Lake to 48”-60” RCP.	06000001,06000015	Harris
063000073	Bear/Panther Branch Drainage Improvements project	The proposed drainage improvements aim to reduce flood extents and increase mobility during large rain events by widening channels on Bear Branch and Panther Branch, clearing overbank areas, and adding inline detention basins for floodplain storage	06000001,06000003,06000004,06000011,06000012,06000015	Montgomery
063000074	Cypress Ditch Conveyance Improvement Project	The conveyance capacity of Cypress Ditch will be increased with a 117-acre-foot (South Pond) and a 50-acre-foot (North Pond) detention facility, connected by four 48-inch reinforced concrete equalizer pipes at each pond connection	06000001,06000003,06000004,06000015	Harris
063000076	P125-00-00 Flood Risk Reduction Project Bundle, project 1	ROW Acquisition, Design, and Construction of Two Flood Risk Reduction Projects on P125-00-00, P125-04-00 and P125-03-00 (2018 Bond Project Z-03)	06000001,06000003,06000004,06000011,06000012,06000015	Harris
063000077	P126-00-00 Flood Risk Reduction Project, project 3	Phase 1 provides detention mitigation for channel-wide improvements in Phase 2. Phase 2 addresses out-of-bank flooding and overflow by increasing P126-00-00 channel-wide system capacity and conveyance.	06000001,06000003,06000004,06000011,06000012,06000015	Harris

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	HUC12s	Watersheds	Project Type	Project Area (sqmi)
063000072	TLV Drainage Improvement Project	120402040100	06000106	Infrastructure	0.53
063000073	Bear/Panther Branch Drainage Improvements project	120401020209, 120401020211, 120401020212	06000041, 06000043, 06000044	Comprehensive	6.16
063000074	Cypress Ditch Conveyance Improvement Project	120401040401, 120401040402	06000084, 06000083	Channel	1.59
063000076	P125-00-00 Flood Risk Reduction Project Bundle, project 1	120401040604, 120401040605	06000091, 06000090	Comprehensive	3.83
063000077	P126-00-00 Flood Risk Reduction Project, project 3	120401040604, 120401040605	06000091, 06000090	Channel	3.83

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
063000072	TLV Drainage Improvement Project	Urban/Local	City of Taylor Lake Village	Harris, El Lago, Pasadena, Taylor Lake Village, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Clear Lake City Water Authority, Coastal Water Authority, Gulf Coast Protection District	No
063000073	Bear/Panther Branch Drainage Improvements project	Riverine	San Jacinto River Authority	Montgomery, Conroe, Woodlands Water Agency, The Woodlands, San Jacinto Region Boundary, San Jacinto River Authority, Houston-Galveston Area Council, Montgomery County MUD 85, The Woodlands MUD 1, Montgomery County MUD 68, Montgomery County MUD 7, The Woodlands Metro Center MUD, Montgomery County MUD 86, Montgomery County MUD 66, Montgomery County MUD 46, Montgomery County MUD 47, Montgomery County MUD 67, Montgomery County MUD 60	Yes
063000074	Cypress Ditch Conveyance Improvement Project	Riverine	City of Bellaire	Harris, Houston, Bellaire, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	No
063000076	P125-00-00 Flood Risk Reduction Project Bundle, project 1	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Harris County MUD 439, Coastal Water Authority, Gulf Coast Protection District	Yes
063000077	P126-00-00 Flood Risk Reduction Project, project 3	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Harris County MUD 439, Coastal Water Authority, Gulf Coast Protection District	Yes

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

				Flood		
FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Area in 100-year (1% annual chance) floodplain	Area in 500-year (0.2% annual chance) floodplain	Estimated number of structures at 100-year flood risk
063000072	TLV Drainage Improvement Project	$ 6,130,000.00		0.21	0.00	476.00
063000073	Bear/Panther Branch Drainage Improvements project	$ 23,567,000.00		1.63	0.00	450.00
063000074	Cypress Ditch Conveyance Improvement Project	$ 75,916,000.00		0.54	0.00	957.00
063000076	P125-00-00 Flood Risk Reduction Project Bundle, project 1	$ 46,273,000.00		2.28	2.87	1,609.00
063000077	P126-00-00 Flood Risk Reduction Project, project 3	$ 78,753,000.00		2.28	2.87	1,610.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Risk			Fl	
FMP ID	FMP Name	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical Facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)
063000072	TLV Drainage Improvement Project	461.00	915.00	11.00	0.00	0.00
063000073	Bear/Panther Branch Drainage Improvements project	411.00	9,728.00	28.00	0.00	0.00
063000074	Cypress Ditch Conveyance Improvement Project	888.00	3,468.00	11.00	0.00	0.00
063000076	P125-00-00 Flood Risk Reduction Project Bundle, project 1	1,554.00	4,967.00	12.00	0.00	0.00
063000077	P126-00-00 Flood Risk Reduction Project, project 3	1,554.00	4,968.00	12.00	0.00	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		ood Risk		Reduction in Flood Risk	
FMP ID	FMP Name	Estimated length of roads at 100-year flood risk (miles)	Estimated farm & ranch land at 100-year flood risk (acres)	Number of structures with reduced 100-year (1% annual chance) flood risk	Number of structures removed from 100-year (1% annual chance) flood risk
063000072	TLV Drainage Improvement Project	7.93	0.00	28.00	14.00
063000073	Bear/Panther Branch Drainage Improvements project	10.75	1.39	124.00	275.00
063000074	Cypress Ditch Conveyance Improvement Project	16.51	0.00	44.00	30.00
063000076	P125-00-00 Flood Risk Reduction Project Bundle, project 1	15.36	4.97	552.00	449.00
063000077	P126-00-00 Flood Risk Reduction Project, project 3	15.36	4.97	884.00	348.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of structures removed from 500-year (0.2% annual chance) flood risk	Residential structures removed from 100-year (1% annual chance) flood risk	Estimated population removed from 100-year (1% annual chance) flood risk	Critical facilities removed from 100-year (1% annual chance) flood risk (#)
063000072	TLV Drainage Improvement Project	0.00	14.00	17.00	0.00
063000073	Bear/Panther Branch Drainage Improvements project	0.00	258.00	2,685.00	16.00
063000074	Cypress Ditch Conveyance Improvement Project	0.00	23.00	628.00	0.00
063000076	P125-00-00 Flood Risk Reduction Project Bundle, project 1	55.00	432.00	1,460.00	3.00
063000077	P126-00-00 Flood Risk Reduction Project, project 3	87.00	336.00	1,059.00	2.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of low water crossings removed from 100-year (1% Annual chance) flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (miles)	Estimated farm & ranch land removed from 100-year flood risk (acres)
063000072	TLV Drainage Improvement Project	0.00	0.00	0.00	0.00
063000073	Bear/Panther Branch Drainage Improvements project	0.00	0.00	4.00	0.52
063000074	Cypress Ditch Conveyance Improvement Project	0.00	0.00	4.00	0.00
063000076	P125-00-00 Flood Risk Reduction Project Bundle, project 1	0.00	0.00	3.00	0.27
063000077	P126-00-00 Flood Risk Reduction Project, project 3	0.00	0.00	1.00	0.79

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if applicable)	Pre-Project Level of Service	Post-Project Level of Service	Cost/Structure removed	Percent Nature-Based Solution (by cost)
063000072	TLV Drainage Improvement Project			Unknown	Unknown	1226000.00	0.00
063000073	Bear/Panther Branch Drainage Improvements project			Unknown	Unknown	190056.45	0.00
063000074	Cypress Ditch Conveyance Improvement Project			Unknown	Unknown	2530533.25	0.00
063000076	P125-00-00 Flood Risk Reduction Project Bundle, project 1			10-year	Unknown	103057.91	0.00
063000077	P126-00-00 Flood Risk Reduction Project, project 3			10-year	Unknown	226301.72	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	BCR
063000072	TLV Drainage Improvement Project	No	No	0.12	No		2.08
063000073	Bear/Panther Branch Drainage Improvements project	No	No	0.02	No		1.90
063000074	Cypress Ditch Conveyance Improvement Project	No	No	0.03	No		2.30
063000076	P125-00-00 Flood Risk Reduction Project Bundle, project 1	No	No	0.87	No		0.65
063000077	P126-00-00 Flood Risk Reduction Project, project 3	No	No	0.87	No		0.76

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties
063000078	G103-09-01 Barrett Settlement and St. Charles Place Project S-2	12x4ft RCB from FM 1942 extends to 5ft deep, 10ft bottom channel then to 12x6ft RCB. 12x5ft RCB from Saint Cecilia & Zinn D extends N to new siphon. 15x6ft RCB along Barrett Rd extends W to 12ft deep, 16ft bottom channel to new storm sewer to G103-09-01	06000001,06000003,06000004,06000015	Harris
063000079	E116-00-00 Flood Risk Reduction Project Phase 2	E116-05-03 channel lining, larger culverts, micro-detention in medians, storm sewers connecting median sections. E116-05-00 siltation removal, upsize box culverts, storm drainage expansion. E116-00-00 widening, upsize culvert, south detention enlargement	06000001,06000015	Harris
063000080	Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets	Phase 1 improvements involve constructing inflow structures, outfall structure, and the wet-bottom portion of the ultimate basin configuration.	06000001,06000015	Harris
063000081	Saltwater Ditch Subwatershed Flood Risk Reduction Project	Harris County Public Infrastructure Department (HCPID) is proposing to improve the Salt Water Ditch (HCFCD Unit # C118-00-00) from just east of Calhoun Road downstream to the channel outlet at Sims Bayou (HCFCD Unit # C100-00-00)	06000001,06000015	Harris
063000082	Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1	1,130 feet of channel improvements between XS 217125 and 216288, and an 82 ac-ft detention basin on a vacant lot for sale east of the channel	06000001,06000015	Harris
063000083	City of Houston Southland Drainage Improvements	The project would involves upsizing storm sewer where necessary to reduce overland ponding within the project area and proposed pond.	06000001,06000003,06000004,06000011,06000012,06000015	Harris

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	HUC12s	Watersheds	Project Type	Project Area (sqmi)
063000078	G103-09-01 Barrett Settlement and St. Charles Place Project S-2	120401040704	06000096	Infrastructure	55.32
063000079	E116-00-00 Flood Risk Reduction Project Phase 2	120401040304, 120401040302	06000079, 06000081	Comprehensive	0.70
063000080	Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets	120402030102	06000100	Infrastructure	37.05
063000081	Saltwater Ditch Subwatershed Flood Risk Reduction Project	120401040502	06000086	Channel	2.27
063000082	Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1	120401030205, 120402030102	06000060, 06000100	Comprehensive	3.07
063000083	City of Houston Southland Drainage Improvements	120401040402	06000084	Comprehensive	0.99

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
063000078	G103-09-01 Barrett Settlement and St. Charles Place Project S-2	Riverine	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Harris County MUD 50, Gulf Coast Protection District	No
063000079	E116-00-00 Flood Risk Reduction Project Phase 2	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	No
063000080	Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets	Riverine	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Harris County MUD 557, Coastal Water Authority, Gulf Coast Protection District	No
063000081	Saltwater Ditch Subwatershed Flood Risk Reduction Project	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Harris County Improvement District 20, Coastal Water Authority, Harris County Improvement District 10A, Gulf Coast Protection District	No
063000082	Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1	Riverine	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Pine Bough PUD, Harris-Liberty Counties MUD 1, Robin PUD, Harris County MUD 506, Gulf Coast Protection District, Liberty County Water Control District 1	No
063000083	City of Houston Southland Drainage Improvements	Urban/Local	City of Houston	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Greater Southeast Management District, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	Yes

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

				Flood		
FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Area in 100-year (1% annual chance) floodplain	Area in 500-year (0.2% annual chance) floodplain	Estimated number of structures at 100-year flood risk
063000078	G103-09-01 Barrett Settlement and St. Charles Place Project S-2	$ 21,056,000.00		6.29	6.98	968.00
063000079	E116-00-00 Flood Risk Reduction Project Phase 2	$ 22,852,000.00		0.51	0.00	484.00
063000080	Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets	$ 14,984,000.00		3.67	4.30	178.00
063000081	Saltwater Ditch Subwatershed Flood Risk Reduction Project	$ 101,097,000.00		2.27	0.00	4,204.00
063000082	Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1	$ 7,704,000.00		4.18	0.37	121.00
063000083	City of Houston Southland Drainage Improvements	$ 28,950,000.00		0.10	0.00	98.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Risk				Fl
FMP ID	FMP Name	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical Facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)
063000078	G103-09-01 Barrett Settlement and St. Charles Place Project S-2	808.00	1,696.00	4.00	0.00	0.00
063000079	E116-00-00 Flood Risk Reduction Project Phase 2	423.00	1,293.00	0.00	0.00	0.00
063000080	Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets	133.00	147.00	1.00	0.00	0.00
063000081	Saltwater Ditch Subwatershed Flood Risk Reduction Project	4,007.00	13,404.00	64.00	0.00	0.00
063000082	Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1	70.00	158.00	2.00	0.00	0.00
063000083	City of Houston Southland Drainage Improvements	77.00	261.00	3.00	0.00	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		ood Risk		Reduction in Flood Risk	
FMP ID	FMP Name	Estimated length of roads at 100-year flood risk (miles)	Estimated farm & ranch land at 100-year flood risk (acres)	Number of structures with reduced 100-year (1% annual chance) flood risk	Number of structures removed from 100-year (1% annual chance) flood risk
063000078	G103-09-01 Barrett Settlement and St. Charles Place Project S-2	18.38	80.05	171.00	308.00
063000079	E116-00-00 Flood Risk Reduction Project Phase 2	5.64	0.00	141.00	3.00
063000080	Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets	0.38	531.39	56.00	5.00
063000081	Saltwater Ditch Subwatershed Flood Risk Reduction Project	39.50	0.70	15.00	0.00
063000082	Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1	2.81	59.81	35.00	1.00
063000083	City of Houston Southland Drainage Improvements	7.95	0.00	17.00	47.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of structures removed from 500-year (0.2% annual chance) flood risk	Residential structures removed from 100-year (1% annual chance) flood risk	Estimated population removed from 100-year (1% annual chance) flood risk	Critical facilities removed from 100-year (1% annual chance) flood risk (#)
063000078	G103-09-01 Barrett Settlement and St. Charles Place Project S-2	124.00	272.00	547.00	1.00
063000079	E116-00-00 Flood Risk Reduction Project Phase 2	0.00	2.00	27.00	0.00
063000080	Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets	8.00	2.00	10.00	0.00
063000081	Saltwater Ditch Subwatershed Flood Risk Reduction Project	0.00	0.00	0.00	0.00
063000082	Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1	0.00	1.00	2.00	0.00
063000083	City of Houston Southland Drainage Improvements	0.00	35.00	95.00	1.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of low water crossings removed from 100-year (1% Annual chance) flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (miles)	Estimated farm & ranch land removed from 100-year flood risk (acres)
063000078	G103-09-01 Barrett Settlement and St. Charles Place Project S-2	0.00	0.00	2.00	0.78
063000079	E116-00-00 Flood Risk Reduction Project Phase 2	0.00	0.00	0.00	0.00
063000080	Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets	0.00	0.00	0.00	7.06
063000081	Saltwater Ditch Subwatershed Flood Risk Reduction Project	0.00	0.00	0.00	0.00
063000082	Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1	0.00	0.00	0.00	0.21
063000083	City of Houston Southland Drainage Improvements	0.00	0.00	2.00	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if applicable)	Pre-Project Level of Service	Post-Project Level of Service	Cost/Structure removed	Percent Nature-Based Solution (by cost)
063000078	G103-09-01 Barrett Settlement and St. Charles Place Project S-2			Unknown	Unknown	92757.71	0.00
063000079	E116-00-00 Flood Risk Reduction Project Phase 2			Varies	50 & 100-year	7617333.50	0.00
063000080	Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets			Unknown	25-Year	0.00	0.00
063000081	Saltwater Ditch Subwatershed Flood Risk Reduction Project			<2-year	10-Year (100-year in some areas)	0.00	0.00
063000082	Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1			Unknown	Unknown	7704000.00	0.00
063000083	City of Houston Southland Drainage Improvements			Unknown	Unknown	615957.44	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	BCR
063000078	G103-09-01 Barrett Settlement and St. Charles Place Project S-2	No	No	0.75	No		0.41
063000079	E116-00-00 Flood Risk Reduction Project Phase 2	No	No	0.77	No		0.50
063000080	Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets	No	No	0.37	No		0.14
063000081	Saltwater Ditch Subwatershed Flood Risk Reduction Project	No	No	0.76	No		0.55
063000082	Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1	No	No	0.37	No		0.09
063000083	City of Houston Southland Drainage Improvements	No	No	0.62	No		0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties
063000084	Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1	The project would involve five proposed detention basins (WP-01, WP-02, WP-03, WP-04 and WP-05) and two sections of channel improvements adjacent to WP-01 and WP-05.	06000001,06000015	Harris
063000085	C106 - FMS, FMN, GT Alt 7	Places 4-12x12 RCBs in C106-10-00 and C106-10-01 channels from Theta St to C106-00-00, and a bypass along Hartsook Rd with 2-8x4 RCBs. Provides additional storage and optimizes channel WSEs for maximum benefit to neighborhoods	06000001,06000011,06000012,06000015	Harris
063000086	City of Houston Westbury CIP Project	Westbury CIP Project includes replacing/upsizing storm sewers & inlets for 2-year storm flows. A parcel on Beaudry Dr. will be used for a new outfall to Willow Waterhole Bayou, reducing flow to Hillcroft St. HCFCD Unit D140-05-02 to have 2yr capacity	06000001,06000011,06000012,06000015	Harris
063000087	City of Houston Kirkwood/Nottingham Drainage Improvements	4,000 LF of 8'x10' Box Culvert (7.35 ac-ft), 24,700 LF of 78" RCP (18.80 ac-ft), and a 3.81 ac (total property required) Detention Pond (22.45 ac-ft)	06000001,06000003,06000004,06000015	Harris
063000088	City of Houston Spring Shadow South Drainage Imporvements	Upgrade drainage system and adding inline-detention Storage.	06000001,06000015	Harris
063000089	Q128-00-00 Channel Conveyance Improvements	Bench Excavation Channel design from Adlong School Rd bridge to 1.4 miles downstream of Q128-00-00 for a 5-yr system capacity. Downstream improvements transition to existing channel, containing the 5-yr WSEL within the channel without overbank spilling	06000001,06000015	Harris, Liberty

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	HUC12s	Watersheds	Project Type	Project Area (sqmi)
063000084	Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1	120402040100, 120401040502, 120401040703	06000095, 06000086, 06000106	Comprehensive	16.18
063000085	C106 - FMS, FMN, GT Alt 7	120401040502	06000086	Infrastructure	0.44
063000086	City of Houston Westbury CIP Project	120401040401	06000083	Comprehensive	0.87
063000087	City of Houston Kirkwood/Nottingham Drainage Improvements	120401040303	06000080	Infrastructure	0.37
063000088	City of Houston Spring Shadow South Drainage Imporvements	120401040303, 120401040302	06000079, 06000080	Infrastructure	0.79
063000089	Q128-00-00 Channel Conveyance Improvements	120402030103, 120402030104, 120402030102, 120401040704	06000096, 06000102, 06000101, 06000100	Channel	11.46

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
063000084	Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1	Riverine	Harris County Flood Control District (HCFCD)	Harris, South Houston, Houston, Pasadena, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	No
063000085	C106 - FMS, FMN, GT Alt 7	Riverine	City of Houston	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	Yes
063000086	City of Houston Westbury CIP Project	Urban/Local	City of Houston	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Harris County Improvement District 5, Coastal Water Authority, Gulf Coast Protection District	Yes
063000087	City of Houston Kirkwood/Nottingham Drainage Improvements	Riverine	City of Houston	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	No
063000088	City of Houston Spring Shadow South Drainage Imporvements	Urban/Local	City of Houston	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Spring Branch Management District, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	No
063000089	Q128-00-00 Channel Conveyance Improvements	Riverine	Harris County Flood Control District (HCFCD)	Harris, Liberty, San Jacinto Region Boundary, Liberty County Drainage District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Harris County MUD 554, Trinity River Authority of Texas, Gulf Coast Protection District, Liberty County Water Control District 1	No

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

				Flood		
FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Area in 100-year (1% annual chance) floodplain	Area in 500-year (0.2% annual chance) floodplain	Estimated number of structures at 100-year flood risk
063000084	Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1	$ 27,776,000.00		12.79	14.02	21,895.00
063000085	C106 - FMS, FMN, GT Alt 7	$ 55,175,000.00		0.52	0.00	844.00
063000086	City of Houston Westbury CIP Project	$ 125,225,000.00		0.52	0.00	999.00
063000087	City of Houston Kirkwood/Nottingham Drainage Improvements	$ 40,226,000.00		0.26	0.00	747.00
063000088	City of Houston Spring Shadow South Drainage Imporvements	$ 20,676,000.00		0.35	0.00	883.00
063000089	Q128-00-00 Channel Conveyance Improvements	$ 21,671,000.00		11.20	5.68	476.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Risk			Fl	
FMP ID	FMP Name	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical Facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)
063000084	Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1	18,254.00	91,664.00	412.00	2.00	2.00
063000085	C106 - FMS, FMN, GT Alt 7	835.00	2,877.00	5.00	0.00	0.00
063000086	City of Houston Westbury CIP Project	985.00	2,685.00	8.00	0.00	0.00
063000087	City of Houston Kirkwood/Nottingham Drainage Improvements	740.00	1,838.00	0.00	0.00	0.00
063000088	City of Houston Spring Shadow South Drainage Imporvements	861.00	3,052.00	1.00	0.00	0.00
063000089	Q128-00-00 Channel Conveyance Improvements	274.00	615.00	1.00	0.00	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		ood Risk		Reduction in Flood Risk	
FMP ID	FMP Name	Estimated length of roads at 100-year flood risk (miles)	Estimated farm & ranch land at 100-year flood risk (acres)	Number of structures with reduced 100-year (1% annual chance) flood risk	Number of structures removed from 100-year (1% annual chance) flood risk
063000084	Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1	221.56	9.01	782.00	22.00
063000085	C106 - FMS, FMN, GT Alt 7	9.65	0.00	369.00	443.00
063000086	City of Houston Westbury CIP Project	15.64	1.36	273.00	222.00
063000087	City of Houston Kirkwood/Nottingham Drainage Improvements	7.65	0.00	181.00	342.00
063000088	City of Houston Spring Shadow South Drainage Imporvements	12.22	0.00	170.00	42.00
063000089	Q128-00-00 Channel Conveyance Improvements	7.89	965.82	158.00	13.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of structures removed from 500-year (0.2% annual chance) flood risk	Residential structures removed from 100-year (1% annual chance) flood risk	Estimated population removed from 100-year (1% annual chance) flood risk	Critical facilities removed from 100-year (1% annual chance) flood risk (#)
063000084	Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1	9.00	14.00	81.00	0.00
063000085	C106 - FMS, FMN, GT Alt 7	0.00	440.00	1,509.00	1.00
063000086	City of Houston Westbury CIP Project	0.00	135.00	889.00	5.00
063000087	City of Houston Kirkwood/Nottingham Drainage Improvements	0.00	341.00	818.00	0.00
063000088	City of Houston Spring Shadow South Drainage Imporvements	0.00	34.00	111.00	0.00
063000089	Q128-00-00 Channel Conveyance Improvements	13.00	10.00	14.00	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of low water crossings removed from 100-year (1% Annual chance) flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (miles)	Estimated farm & ranch land removed from 100-year flood risk (acres)
063000084	Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1	0.00	0.00	0.00	0.00
063000085	C106 - FMS, FMN, GT Alt 7	0.00	0.00	0.00	0.00
063000086	City of Houston Westbury CIP Project	0.00	0.00	0.00	1.35
063000087	City of Houston Kirkwood/Nottingham Drainage Improvements	0.00	0.00	1.00	0.00
063000088	City of Houston Spring Shadow South Drainage Imporvements	0.00	0.00	0.00	0.00
063000089	Q128-00-00 Channel Conveyance Improvements	0.00	0.00	0.00	6.27

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if applicable)	Pre-Project Level of Service	Post-Project Level of Service	Cost/Structure removed	Percent Nature-Based Solution (by cost)
063000084	Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1			Unknown	Unknown	1262545.50	0.00
063000085	C106 - FMS, FMN, GT Alt 7			Unknown	Unknown	124548.53	0.00
063000086	City of Houston Westbury CIP Project			Unknown	Unknown	564076.56	0.00
063000087	City of Houston Kirkwood/Nottingham Drainage Improvements			< 10-year	100-year	117619.88	0.00
063000088	City of Houston Spring Shadow South Drainage Imporvements			<2-Year	2-Year	492285.72	0.00
063000089	Q128-00-00 Channel Conveyance Improvements			10-year	Unknown	1667000.00	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	BCR
063000084	Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1	No	No	0.82	No		0.09
063000085	C106 - FMS, FMN, GT Alt 7	No	No	0.83	No		0.10
063000086	City of Houston Westbury CIP Project	No	No	0.43	No		0.10
063000087	City of Houston Kirkwood/Nottingham Drainage Improvements	No	No	0.29	No		0.80
063000088	City of Houston Spring Shadow South Drainage Imporvements	No	No	0.76	No		0.10
063000089	Q128-00-00 Channel Conveyance Improvements	No	No	0.52	No		1.02

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties
063000090	City of Houston Richmond Plaza Drainage Improvements	Reduces 10-year ponding within Houston's ROW & includes detention. The lowered field area remains a multi-use park/detention. It includes storm sewer improvements, including an 8x8-ft line along Chimney Rock Rd with a restrictor	06000001,06000015	Harris
063000091	City of Houston Huntington Village Drainage Improvements	Project provides for design and construction of storm drainage improvements, necessary concrete paving for street replacement, curbs, sidewalks, driveways, and street lights to serve the Huntington Village subdivisions	06000001,06000015	Fort Bend, Harris
063000092	Scott Street - OST to Brays Projects 1,2,and 3	5 RR Crossing Improvements, Kuhlman Gully US expansion, Kuhlman Gully DS pond, Griggs Pond. Improvements to OST/Griggs, Cullen, Scott St, Calhoun Pond, Mainer St, drainage easement, St Augustine, Dixie Dr, Rebecca St Pond & Beech White Park Pond	06000001,06000011,06000012,06000015	Harris
063000093	Lake Creek - Garrett's Creek Detention	Design, land acquisition, and construction of a dry dam on Garrett's Creek to provide 16,850 acre-feet of storage during storm events and mitigate flood risk along Lake Creek.	06000001,06000003,06000004,06000015	Montgomery,Grimes
063000094	Lake Creek - Little Caney Creek Detention	Design, land acquisition, and construction of a dry dam on Little Caney Creek to provide 17,500 acre-feet of storage during storm events and mitigate flood risk along Lake Creek.	06000001,06000003,06000004,06000015	Montgomery,Grimes
063000095	Spring Creek I-45 Channelization	Design, land acquisition, and construction of channel conveyance improvements on Spring Creek from I-45 to approximately 4 miles downstream of Riley Fuzzel Road to increase conveyance capacity.	06000001,06000003,06000004,06000011,06000012,06000015	Harris, Waller, Montgomery, Grimes

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	HUC12s	Watersheds	Project Type	Project Area (sqmi)
063000090	City of Houston Richmond Plaza Drainage Improvements	120401040401	06000083	Infrastructure	0.17
063000091	City of Houston Huntington Village Drainage Improvements	120401040401	06000083	Infrastructure	0.68
063000092	Scott Street - OST to Brays Projects 1,2,and 3	120401040402	06000084	Infrastructure	1.05
063000093	Lake Creek - Garrett's Creek Detention	120401010101,120401010301,120401010302,120401010303,120401010103,120401010203,120401010304,120401010205	06000001, 06000012, 06000013, 06000014, 06000003, 06000007, 06000015, 06000009	Detention Pond	455.28
063000094	Lake Creek - Little Caney Creek Detention	120401010101,120401010301,120401010302,120401010303,120401010103,120401010203,120401010304,120401010205	06000001, 06000012, 06000013, 06000014, 06000003, 06000007, 06000015, 06000009	Detention Pond	455.28
063000095	Spring Creek I-45 Channelization	120401030110,120401030102,120401030108,120401030101,120401030103,120401030105,120401030106,120401030107,120401030109,120401030402,120401030303,120401030304,120401030401	06000055, 06000016, 06000017, 06000018, 06000019, 06000020, 06000021, 06000024, 06000023, 06000036, 06000026, 06000030, 06000032, 06000033, 06000034, 06000035, 06000037, 06000039, 06000038, 06000042, 06000040, 06000041, 06000043, 06000044, 06000045, 06000	Channel	390.70

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
063000090	City of Houston Richmond Plaza Drainage Improvements	Urban/Local	City of Houston	Harris, Houston, Bellaire, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	No
063000091	City of Houston Huntington Village Drainage Improvements	Urban/Local	City of Houston	Fort Bend, Harris, Houston, San Jacinto Region Boundary, San Jacinto River Authority, Fort Bend County Drainage District, Gulf Coast Waste Disposal Authority, International Management District, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	No
063000092	Scott Street - OST to Brays Projects 1,2,and 3	Urban/Local	City of Houston	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Greater Southeast Management District, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Harris County Improvement District 10A, Gulf Coast Protection District	Yes
063000093	Lake Creek - Garrett's Creek Detention	Riverine	San Jacinto River Authority	San Jacinto River Authority, Harris County Flood Control District, Montgomery County, City of Houston, Grimes County	No
063000094	Lake Creek - Little Caney Creek Detention	Riverine	San Jacinto River Authority	San Jacinto River Authority, Harris County Flood Control District, Montgomery County, City of Houston, Grimes County	No
063000095	Spring Creek I-45 Channelization	Riverine	San Jacinto River Authority	San Jacinto River Authority, Harris County Flood Control District, Montgomery County, City of Houston	Yes

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

				Flood		
FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Area in 100-year (1% annual chance) floodplain	Area in 500-year (0.2% annual chance) floodplain	Estimated number of structures at 100-year flood risk
063000090	City of Houston Richmond Plaza Drainage Improvements	$ 58,660,000.00		0.12	0.00	273.00
063000091	City of Houston Huntington Village Drainage Improvements	$ 30,247,000.00		0.09	0.00	256.00
063000092	Scott Street - OST to Brays Projects 1,2,and 3	$ 128,714,000.00		0.61	0.00	1,569.00
063000093	Lake Creek - Garrett's Creek Detention	$ 129,569,000		78.50	12.50	4,257
063000094	Lake Creek - Little Caney Creek Detention	$ 126,602,000		78.50	12.50	4,257
063000095	Spring Creek I-45 Channelization	$ 84,071,000		40.01	9.81	7,845

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Risk			Fl	
FMP ID	FMP Name	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical Facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)
063000090	City of Houston Richmond Plaza Drainage Improvements	226.00	1,847.00	1.00	0.00	0.00
063000091	City of Houston Huntington Village Drainage Improvements	254.00	876.00	1.00	0.00	0.00
063000092	Scott Street - OST to Brays Projects 1,2,and 3	1,438.00	4,429.00	27.00	0.00	0.00
063000093	Lake Creek - Garrett's Creek Detention	3,412	12,671	58	10	10
063000094	Lake Creek - Little Caney Creek Detention	3,412	12,671	58	10	10
063000095	Spring Creek I-45 Channelization	6,686	18,975	23	14	14

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		ood Risk		Reduction in Flood Risk	
FMP ID	FMP Name	Estimated length of roads at 100-year flood risk (miles)	Estimated farm & ranch land at 100-year flood risk (acres)	Number of structures with reduced 100-year (1% annual chance) flood risk	Number of structures removed from 100-year (1% annual chance) flood risk
063000090	City of Houston Richmond Plaza Drainage Improvements	3.30	0.00	53.00	10.00
063000091	City of Houston Huntington Village Drainage Improvements	2.91	0.04	111.00	40.00
063000092	Scott Street - OST to Brays Projects 1,2,and 3	15.11	0.14	408.00	96.00
063000093	Lake Creek - Garrett's Creek Detention	133.75	552.02	658.00	2237
063000094	Lake Creek - Little Caney Creek Detention	133.75	552.02	0.00	2237
063000095	Spring Creek I-45 Channelization	128.52	135.01	586	3762

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of structures removed from 500-year (0.2% annual chance) flood risk	Residential structures removed from 100-year (1% annual chance) flood risk	Estimated population removed from 100-year (1% annual chance) flood risk	Critical facilities removed from 100-year (1% annual chance) flood risk (#)
063000090	City of Houston Richmond Plaza Drainage Improvements	0.00	6.00	30.00	0.00
063000091	City of Houston Huntington Village Drainage Improvements	0.00	26.00	143.00	0.00
063000092	Scott Street - OST to Brays Projects 1,2,and 3	0.00	83.00	236.00	2.00
063000093	Lake Creek - Garrett's Creek Detention	4,132.00	1,772.00	10,161.00	15.00
063000094	Lake Creek - Little Caney Creek Detention	0.00	1,772.00	10,161.00	15.00
063000095	Spring Creek I-45 Channelization	2,724	3,212	12,904	3

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of low water crossings removed from 100-year (1% Annual chance) flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (miles)	Estimated farm & ranch land removed from 100-year flood risk (acres)
063000090	City of Houston Richmond Plaza Drainage Improvements	0.00	0.00	0.00	0.00
063000091	City of Houston Huntington Village Drainage Improvements	0.00	0.00	0.00	0.00
063000092	Scott Street - OST to Brays Projects 1,2,and 3	0.00	0.00	0.00	0.00
063000093	Lake Creek - Garrett's Creek Detention	1.00	148.00	50.00	25.46
063000094	Lake Creek - Little Caney Creek Detention	1.00	0.00	0.00	25.46
063000095	Spring Creek I-45 Channelization	0.00	275.00	50.00	4.06

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if applicable)	Pre-Project Level of Service	Post-Project Level of Service	Cost/Structure removed	Percent Nature-Based Solution (by cost)
063000090	City of Houston Richmond Plaza Drainage Improvements			Unknown	Unknown	5866000.00	0.00
063000091	City of Houston Huntington Village Drainage Improvements			<2-year	2 & 100-year	756175.00	0.00
063000092	Scott Street - OST to Brays Projects 1,2,and 3			Unknown	10-year	1340770.88	0.00
063000093	Lake Creek - Garrett's Creek Detention			Varies by Roadways	Varies by Roadways	439216.94	0.00
063000094	Lake Creek - Little Caney Creek Detention			Varies by Roadways	Varies by Roadways	510491.94	0.00
063000095	Spring Creek I-45 Channelization			Varies by Roadways	Varies by Roadways	22347.42	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	BCR
063000090	City of Houston Richmond Plaza Drainage Improvements	No	No	0.91	No		0.50
063000091	City of Houston Huntington Village Drainage Improvements	No	No	0.68	No		0.00
063000092	Scott Street - OST to Brays Projects 1,2,and 3	No	No	0.85	No		1.50
063000093	Lake Creek - Garrett's Creek Detention	No	No	0.17	No		0.31
063000094	Lake Creek - Little Caney Creek Detention	No	No	0.17	No		0.27
063000095	Spring Creek I-45 Channelization	No	Yes	0.19	No		1.17

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties
063000096	Spring Creek Walnut Creek Detention	Design, land acquisition, and construction of dry dam detention facility on Walnut, to provide approximately 7,200 acre-ft of storage during storm events and reduce flood risk on Spring Creek.	06000001,06000003,06000004,06000011,06000012,06000015	Harris, Waller, Montgomery, Grimes
063000097	Spring Creek Woodlands Channelization (200-ft)	Design, land acquisition, and construction of channel conveyance improvements on Spring Creek from Kuykendahl Road to Willow Creek confluence to increase conveyance capacity.	06000001,06000003,06000004,06000011,06000012,06000015	Harris, Waller, Montgomery, Grimes
063000098	Lake Creek - Caney Creek Detention	Design, land acquisition, and construction of a dry dam on Caney Creek to reduce flooding, provide 19,750 acre-feet of storage during storm events, and mitigate flood risk along Caney and Lake Creek.	06000001,06000003,06000004,06000015	Montgomery,Grimes
063000099	Spring Creek Birch Creek Detention	Design, land acquisition, and construction of dry dam detention facility on Birch Creek, to provide approximately 4,800 acre-ft of storage during storm events and reduce flood risk on Spring Creek.	06000001,06000003,06000004,06000011,06000012,06000015	Harris, Waller, Montgomery, Grimes
063000113	City of Friendswood Ordinances and Regulation Update	Adopt higher codes and update ordinances and regulation to promote hazard mitigation strategies.	06000001, 06000007, 06000010, 06000015	Galveston, Harris
063000114	City of Bayou Vista Regulations and Permit Requirements Update	Update regulations and permit requirements to address enhances hazard mitigation strategies.	06000001, 06000007, 06000010, 06000015	Galveston
063000115	City of League City Freeboard Ordinance	Update city ordinance to require 24" of freeboard in the floodplain.	06000001, 06000007, 06000010, 06000015	Galveston, Harris
063000123	City of Cleveland Floodplain Land-Use Ordinance	The city shall adopt a land-use ordinance which prohibits building residential or commercial structures in the 100-year floodplain.	06000001, 06000007, 06000010, 06000015	Liberty, Montgomery, San Jacinto
063000124	City of Cleveland Flooplain Ordinance Update	Adopt a land use ordinance which requires any structure within the 100-year floodplain to be elevated 2 feet.	06000001, 06000007, 06000010, 06000015	Liberty, Montgomery, San Jacinto
063000126	City of Cleveland Ordinace Update Pipeline Right-of-Way	Adopt 25-foot setback from pipeline right-of-way.	06000001, 06000007, 06000010, 06000015	Liberty, Montgomery, San Jacinto

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	HUC12s	Watersheds	Project Type	Project Area (sqmi)
063000096	Spring Creek Walnut Creek Detention	120401030110,120401030102,120401030108,120401030101,120401030103,120401030105,120401030106,120401030107,120401030109,120401030402,120401030303,120401030304,120401030401	06000055,06000016,06000017,06000018,06000019,06000020,06000021,06000024,06000023,06000036,06000026,06000030,06000032,06000033,06000034,06000035,06000037,06000039,06000038,06000042,06000040,06000041,06000043,06000044,06000045,06000088	Detention Pond	414.11
063000097	Spring Creek Woodlands Channelization (200-ft)	120401030110,120401030102,120401030108,120401030101,120401030103,120401030105,120401030106,120401030107,120401030109,120401030402,120401030303,120401030304,120401030401	06000055, 06000016, 06000017, 06000018, 06000019, 06000020, 06000021, 06000024, 06000023, 06000036, 06000026, 06000030, 06000032, 06000033, 06000034, 06000035, 06000037, 06000039, 06000038, 06000042, 06000040, 06000041, 06000043, 06000044, 06000045, 06000	Channel	390.70
063000098	Lake Creek - Caney Creek Detention	120401010101,120401010301,120401010302,120401010303,120401010103,120401010203,120401010304,120401010205	06000001, 06000012, 06000013, 06000014, 06000003, 06000007, 06000015, 06000009	Detention Pond	455.28
063000099	Spring Creek Birch Creek Detention	120401030110,120401030102,120401030108,120401030101,120401030103,120401030105,120401030106,120401030107,120401030109,120401030402,120401030303,120401030304,120401030401	06000055,06000016,06000017,06000018,06000019,06000020,06000021,06000024,06000023,06000036,06000026,06000030,06000032,06000033,06000034,06000035,06000037,06000039,06000038,06000042,06000040,06000041,06000043,06000044,06000045,06000088	Detention Pond	414.11
063000113	City of Friendswood Ordinances and Regulation Update	120402040200, 120402040100	06000107, 06000107, 06000106	Preparedness	20.83
063000114	City of Bayou Vista Regulations and Permit Requirements Update	120402040200	06000107, 06000107	Preparedness	0.45
063000115	City of League City Freeboard Ordinance	120402040200, 120402040100	06000107, 06000107, 06000106	Preparedness	52.89
063000123	City of Cleveland Floodplain Land-Use Ordinance	120401030201, 120401030108, 120401030109, 120401030203, 120401030202, 120401030401	06000056, 06000056, 06000053, 06000054, 06000058, 06000057, 06000069	Preparedness	18.74
063000124	City of Cleveland Flooplain Ordinance Update	120401030201, 120401030108, 120401030109, 120401030203, 120401030202, 120401030401	06000056, 06000056, 06000053, 06000054, 06000058, 06000057, 06000069	Preparedness	18.74
063000126	City of Cleveland Ordinace Update Pipeline Right-of-Way	120401030201, 120401030108, 120401030109, 120401030203, 120401030202, 120401030401	06000056, 06000056, 06000053, 06000054, 06000058, 06000057, 06000069	Preparedness	18.74

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
063000096	Spring Creek Walnut Creek Detention	Riverine	San Jacinto River Authority	San Jacinto River Authority, Harris County Flood Control District, Montgomery County, City of Houston, Waller County	Yes
063000097	Spring Creek Woodlands Channelization (200-ft)	Riverine	San Jacinto River Authority	San Jacinto River Authority, Harris County Flood Control District, Montgomery County, City of Houston	Yes
063000098	Lake Creek - Caney Creek Detention	Riverine	San Jacinto River Authority	San Jacinto River Authority, Harris County Flood Control District, Montgomery County, City of Houston, Grimes County	No
063000099	Spring Creek Birch Creek Detention	Riverine	San Jacinto River Authority	San Jacinto River Authority, Harris County Flood Control District, Montgomery County, City of Houston, Waller County	Yes
063000113	City of Friendswood Ordinances and Regulation Update	Urban/Local	City of Friendswood	Friendswood	No
063000114	City of Bayou Vista Regulations and Permit Requirements Update	Urban/Local	City of Bayou Vista	Galveston County , Bayou Vista	No
063000115	City of League City Freeboard Ordinance	Riverine, Urban/Local	City of League City	Galveston County , League City	No
063000123	City of Cleveland Floodplain Land-Use Ordinance	Urban/Local	City of Cleveland	Cleveland	No
063000124	City of Cleveland Flooplain Ordinance Update	Urban/Local	City of Cleveland	Cleveland	No
063000126	City of Cleveland Ordinace Update Pipeline Right-of-Way	Urban/Local	City of Cleveland	Cleveland	No

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

				Flood		
FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Area in 100-year (1% annual chance) floodplain	Area in 500-year (0.2% annual chance) floodplain	Estimated number of structures at 100-year flood risk
063000096	Spring Creek Walnut Creek Detention	$ 141,438,000		52.58	10.83	9,964
063000097	Spring Creek Woodlands Channelization (200-ft)	$ 55,388,000		40.01	9.81	7,845
063000098	Lake Creek - Caney Creek Detention	$ 161,219,000		78.50	12.50	4,257
063000099	Spring Creek Birch Creek Detention	$ 85,061,000		52.58	10.83	9,964
063000113	City of Friendswood Ordinances and Regulation Update	$ 109,000.00		5.12	2.80	1,680.00
063000114	City of Bayou Vista Regulations and Permit Requirements Update	$ 109,000.00		0.45	0.00	1,122.00
063000115	City of League City Freeboard Ordinance	$ 109,000.00		16.74	10.14	5,251.00
063000123	City of Cleveland Floodplain Land-Use Ordinance	$ 109,000.00		6.83	1.08	261.00
063000124	City of Cleveland Flooplain Ordinance Update	$ 109,000.00		6.83	1.08	261.00
063000126	City of Cleveland Ordinace Update Pipeline Right-of-Way	$ 55,000.00		6.83	1.08	261.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Risk			Fl	
FMP ID	FMP Name	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical Facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)
063000096	Spring Creek Walnut Creek Detention	8,483	24,176	64	7	7
063000097	Spring Creek Woodlands Channelization (200-ft)	6,686	18,975	23	14	14
063000098	Lake Creek - Caney Creek Detention	3,412	12,671	58	10	10
063000099	Spring Creek Birch Creek Detention	8,483	24,176	64	7	7
063000113	City of Friendswood Ordinances and Regulation Update	1,601.00	4,640.00	2.00	5.00	5.00
063000114	City of Bayou Vista Regulations and Permit Requirements Update	1,095.00	1,476.00	3.00	0.00	0.00
063000115	City of League City Freeboard Ordinance	4,835.00	13,675.00	25.00	2.00	2.00
063000123	City of Cleveland Floodplain Land-Use Ordinance	133.00	1,037.00	0.00	1.00	1.00
063000124	City of Cleveland Flooplain Ordinance Update	133.00	1,037.00	0.00	1.00	1.00
063000126	City of Cleveland Ordinace Update Pipeline Right-of-Way	133.00	1,037.00	0.00	1.00	1.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		ood Risk		Reduction in Flood Risk	
FMP ID	FMP Name	Estimated length of roads at 100-year flood risk (miles)	Estimated farm & ranch land at 100-year flood risk (acres)	Number of structures with reduced 100-year (1% annual chance) flood risk	Number of structures removed from 100-year (1% annual chance) flood risk
063000096	Spring Creek Walnut Creek Detention	184.27	232.11	752	404
063000097	Spring Creek Woodlands Channelization (200-ft)	128.52	135.01	279	980
063000098	Lake Creek - Caney Creek Detention	133.75	552.02	0.00	2237
063000099	Spring Creek Birch Creek Detention	184.27	232.11	776	331
063000113	City of Friendswood Ordinances and Regulation Update	37.73	0.00	0.00	0.00
063000114	City of Bayou Vista Regulations and Permit Requirements Update	7.71	0.00	0.00	0.00
063000115	City of League City Freeboard Ordinance	104.57	0.00	0.00	0.00
063000123	City of Cleveland Floodplain Land-Use Ordinance	27.33	0.00	0.00	0.00
063000124	City of Cleveland Flooplain Ordinance Update	27.33	0.00	0.00	0.00
063000126	City of Cleveland Ordinace Update Pipeline Right-of-Way	27.33	0.00	0.00	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of structures removed from 500-year (0.2% annual chance) flood risk	Residential structures removed from 100-year (1% annual chance) flood risk	Estimated population removed from 100-year (1% annual chance) flood risk	Critical facilities removed from 100-year (1% annual chance) flood risk (#)
063000096	Spring Creek Walnut Creek Detention	540	329	994	1
063000097	Spring Creek Woodlands Channelization (200-ft)	948	386	3,028	2
063000098	Lake Creek - Caney Creek Detention	0.00	1,772.00	10,161.00	15.00
063000099	Spring Creek Birch Creek Detention	442	264	820	1
063000113	City of Friendswood Ordinances and Regulation Update	0.00	0.00	0.00	0.00
063000114	City of Bayou Vista Regulations and Permit Requirements Update	0.00	0.00	0.00	0.00
063000115	City of League City Freeboard Ordinance	0.00	0.00	0.00	0.00
063000123	City of Cleveland Floodplain Land-Use Ordinance	0.00	0.00	0.00	0.00
063000124	City of Cleveland Flooplain Ordinance Update	0.00	0.00	0.00	0.00
063000126	City of Cleveland Ordinace Update Pipeline Right-of-Way	0.00	0.00	0.00	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of low water crossings removed from 100-year (1% Annual chance) flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (miles)	Estimated farm & ranch land removed from 100-year flood risk (acres)
063000096	Spring Creek Walnut Creek Detention	0.00	0.00	9.00	1.51
063000097	Spring Creek Woodlands Channelization (200-ft)	0.00	16.00	4.00	0.95
063000098	Lake Creek - Caney Creek Detention	1.00	0.00	0.00	25.46
063000099	Spring Creek Birch Creek Detention	0.00	0.00	7.00	0.64
063000113	City of Friendswood Ordinances and Regulation Update	0.00	0.00	0.00	0.00
063000114	City of Bayou Vista Regulations and Permit Requirements Update	0.00	0.00	0.00	0.00
063000115	City of League City Freeboard Ordinance	0.00	0.00	0.00	0.00
063000123	City of Cleveland Floodplain Land-Use Ordinance	0.00	0.00	0.00	0.00
063000124	City of Cleveland Flooplain Ordinance Update	0.00	0.00	0.00	0.00
063000126	City of Cleveland Ordinace Update Pipeline Right-of-Way	0.00	0.00	0.00	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if applicable)	Pre-Project Level of Service	Post-Project Level of Service	Cost/Structure removed	Percent Nature-Based Solution (by cost)
063000096	Spring Creek Walnut Creek Detention			Varies by Roadways	Varies by Roadways	350094.06	0.00
063000097	Spring Creek Woodlands Channelization (200-ft)			Varies by Roadways	Varies by Roadways	56518.37	0.00
063000098	Lake Creek - Caney Creek Detention			Varies by Roadways	Varies by Roadways	499130.06	0.00
063000099	Spring Creek Birch Creek Detention			Varies by Roadways	Varies by Roadways	256981.88	0.00
063000113	City of Friendswood Ordinances and Regulation Update			Unknown	0.01	0.00	0.00
063000114	City of Bayou Vista Regulations and Permit Requirements Update			Unknown	0.01	0.00	0.00
063000115	City of League City Freeboard Ordinance			Unknown	Unknown	0.00	0.00
063000123	City of Cleveland Floodplain Land-Use Ordinance			Unknown	Unknown	0.00	0.00
063000124	City of Cleveland Flooplain Ordinance Update			Unknown	Unknown	0.00	0.00
063000126	City of Cleveland Ordinace Update Pipeline Right-of-Way			Unknown	Unknown	0.00	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	BCR
063000096	Spring Creek Walnut Creek Detention	No	No	0.19	No		1.21
063000097	Spring Creek Woodlands Channelization (200-ft)	No	Yes	0.19	No		0.62
063000098	Lake Creek - Caney Creek Detention	No	No	0.17	No		0.26
063000099	Spring Creek Birch Creek Detention	No	No	0.19	No		2.03
063000113	City of Friendswood Ordinances and Regulation Update	No	No	0.27	No		5.00
063000114	City of Bayou Vista Regulations and Permit Requirements Update	No	No	0.14	No		5.00
063000115	City of League City Freeboard Ordinance	No	No	0.19	No		5.00
063000123	City of Cleveland Floodplain Land-Use Ordinance	No	No	0.75	No		5.00
063000124	City of Cleveland Flooplain Ordinance Update	No	No	0.75	No		0.00
063000126	City of Cleveland Ordinace Update Pipeline Right-of-Way	No	No	0.75	No		0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties
063000127	Galveston Bay Surge Protection Coastal Storm Risk Management	Federal projects identified in the Texas Coastal Study (2021) including Boliver Gates, Galveston Sea Wall Improvements, Ecosystem Restoration, Galveston Ring Barrier system, Clear Creek & Dickinson Bayou Gates, and non-structural measures.	06000011, 06000012, 06000013, 06000014	Brazoria, Galveston, Fort Bend, Chambers, Harris, Liberty
063000128	Bolivar Peninsula and West Bay Gulf Intracoastal Waterway (GIWW) Shoreline and Island Protection	Ecosystem restoration efforts planned along the GIWW such as the restoration of wetlands and islands, construction of breakwaters, and oyster reef scaling will provide natural buffer from coastal storm surge and prevent erosion.	06000011, 06000012, 06000013, 06000014	Brazoria, Galveston, Fort Bend, Chambers, Harris, Liberty
063000129	City of Manvel City Ordinance	The city shall adopt a land use ordinance which requires any structure within the 100-year floodplain to be elevated 2 feet above base flood elevation.	06000001, 06000007, 06000010, 06000015	Brazoria
063000130	City of Manvel Land-Use Ordinance Adoption	The city shall adopt a land-use ordinance which prohibits building residential or commercial structures in the 100-year floodplain.	06000001, 06000007, 06000010, 06000015	Brazoria
063000132	City of Manvel GIS Database Improvements	Improve GIS database to include repetitive loss properties areas and flooded structure data. Data to be used for future drainage infrastructure planning and to provide outreach and emergency services to residents in substantial risk zones.	06000001, 06000007, 06000010, 06000015	Brazoria
063000136	Brazoria County NFIP Technical Material	Place copies of FEMA Flood-related technical bulletins in County libraries.	06000001, 06000015	Brazoria
063000139	City of Clear Lake Shores - Implement Stormwater Management Practices	The Stormwater management plan is focused on six minimum measures regarding what is being done to prevent stormwater pollution. Annual reporting and renewals are required to ensure compliance is met.	06000001, 06000007, 06000010, 06000015	Galveston, Harris
063000140	City of Clear Lake Shores - Improve Regulations and Permit Requirements	Update regulations and permit requirements.	06000001, 06000007, 06000010, 06000015	Galveston, Harris
063000142	City of Hitcock - Improve Regulations and Permit Requirements	Improve regulations and permit requirements to promote hazard mitigation strategies.	06000001, 06000007, 06000010, 06000015	Brazoria, Galveston
063000143	City of Jamaica Beach - Improve Regulations and Permit Requirements	Improve regulations and permit requirements to promote hazard mitigation strategies.	06000001, 06000007, 06000010, 06000015	Galveston
063000144	City of Kemah - Improve Regulations and Permit Requirements	Improve regulations and permit requirements to promote hazard mitigation strategies.	06000001, 06000007, 06000010, 06000015	Galveston, Chambers
063000145	City of Kemah - Update Floodplain Ordinance	Update floodplain ordinance to ensure compliance with minimum standard of NFIP.	06000001, 06000007, 06000010, 06000015	Galveston, Chambers
063000146	City of La Marque - Improve Regulations and Permit Requirements	Improve regulations and permit requirements to promote hazard mitigation strategies.	06000001, 06000007, 06000010, 06000015	Galveston

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	HUC12s	Watersheds	Project Type	Project Area (sqmi)
063000127	Galveston Bay Surge Protection Coastal Storm Risk Management	120401030201, 120401030108, 120401030109, 120401030203, 120401030202, 120401030401	06000056, 06000091, 06000095, 06000084, 06000097, 06000098, 06000094, 06000082, 06000090, 06000092, 06000081, 06000086, 06000085, 06000093, 06000096, 06000103, 06000102, 06000104, 06000105, 06000108, 06000107, 06000109, 06000110, 06000106	Coastal	1905.02
063000128	Bolivar Peninsula and West Bay Gulf Intracoastal Waterway (GIWW) Shoreline and Island Protection	120401030201, 120401030108, 120401030109, 120401030203, 120401030202, 120401030401	06000056, 06000091, 06000095, 06000084, 06000097, 06000098, 06000094, 06000082, 06000090, 06000092, 06000081, 06000086, 06000085, 06000093, 06000096, 06000103, 06000102, 06000104, 06000105, 06000108, 06000107, 06000109, 06000110, 06000106	Coastal	1559.02
063000129	City of Manvel City Ordinance	120402040200, 120402040400, 120402040100	06000107, 06000107, 06000109, 06000106	Preparedness	27.41
063000130	City of Manvel Land-Use Ordinance Adoption	120402040200, 120402040400, 120402040100	06000107, 06000107, 06000109, 06000106	Preparedness	27.41
063000132	City of Manvel GIS Database Improvements	120402040200, 120402040400, 120402040100	06000107, 06000107, 06000109, 06000106	Preparedness	27.41
063000136	Brazoria County NFIP Technical Material	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000108, 06000107, 06000109, 06000106	Other	1481.87
063000139	City of Clear Lake Shores - Implement Stormwater Management Practices	120402040100	06000106, 06000106	Preparedness	0.71
063000140	City of Clear Lake Shores - Improve Regulations and Permit Requirements	120402040100	06000106, 06000106	Preparedness	0.71
063000142	City of Hitcock - Improve Regulations and Permit Requirements	120402040300, 120402040200	06000108, 06000108, 06000107	Preparedness	91.21
063000143	City of Jamaica Beach - Improve Regulations and Permit Requirements	120402040300	06000108, 06000108	Preparedness	0.71
063000144	City of Kemah - Improve Regulations and Permit Requirements	120402040200, 120402040100	06000107, 06000107, 06000106	Preparedness	1.91
063000145	City of Kemah - Update Floodplain Ordinance	120402040200, 120402040100	06000107, 06000107, 06000106	Preparedness	1.91
063000146	City of La Marque - Improve Regulations and Permit Requirements	120402040200	06000107, 06000107	Preparedness	14.23

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
063000127	Galveston Bay Surge Protection Coastal Storm Risk Management	Coastal	Gulf Coast Protection District	Galveston County , Chambers County, Houston, Gulf Coast Protection District, Galveston, Liberty County WCID#1	Yes
063000128	Bolivar Peninsula and West Bay Gulf Intracoastal Waterway (GIWW) Shoreline and Island Protection	Coastal	Gulf Coast Protection District	Brazoria County, Chambers County, Galveston County , Gulf Coast Protection District, Liberty County WCID#1	Yes
063000129	City of Manvel City Ordinance	Urban/Local	City of Manvel	Brazoria County, West Brazoria County Drainage District, Manvel	No
063000130	City of Manvel Land-Use Ordinance Adoption	Urban/Local	City of Manvel	Brazoria County, West Brazoria County Drainage District, Manvel	No
063000132	City of Manvel GIS Database Improvements	Urban/Local	City of Manvel	Brazoria County, West Brazoria County Drainage District, Manvel	No
063000136	Brazoria County NFIP Technical Material	Urban/Local	Brazoria	Brazoria County	No
063000139	City of Clear Lake Shores - Implement Stormwater Management Practices	Riverine, Urban/Local	City of Clear Lake Shores	Galveston County , Clear Lake Shores	No
063000140	City of Clear Lake Shores - Improve Regulations and Permit Requirements	Urban/Local	City of Clear Lake Shores	Galveston County , Clear Lake Shores	No
063000142	City of Hitcock - Improve Regulations and Permit Requirements	Urban/Local	City of Hitchcock	Galveston County , Hitchcock	No
063000143	City of Jamaica Beach - Improve Regulations and Permit Requirements	Urban/Local	City of Jamaica Beach	Galveston County , Jamaica Beach	No
063000144	City of Kemah - Improve Regulations and Permit Requirements	Urban/Local	City of Kemah	Galveston County , Kemah	No
063000145	City of Kemah - Update Floodplain Ordinance	Urban/Local	City of Kemah	Galveston County , Kemah	No
063000146	City of La Marque - Improve Regulations and Permit Requirements	Urban/Local	City of La Marque	Galveston County , La Marque	No

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

				Flood		
FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Area in 100-year (1% annual chance) floodplain	Area in 500-year (0.2% annual chance) floodplain	Estimated number of structures at 100-year flood risk
063000127	Galveston Bay Surge Protection Coastal Storm Risk Management	$ 24,107,064,000.00	Other	340.47	169.42	103,716.00
063000128	Bolivar Peninsula and West Bay Gulf Intracoastal Waterway (GIWW) Shoreline and Island Protection	$ 1,200,169,000.00		491.48	250.98	141,236.00
063000129	City of Manvel City Ordinance	$ 103,000.00		8.41	0.78	1,250.00
063000130	City of Manvel Land-Use Ordinance Adoption	$ 103,000.00		8.41	0.78	1,250.00
063000132	City of Manvel GIS Database Improvements	$ 21,000.00		8.41	0.78	1,250.00
063000136	Brazoria County NFIP Technical Material	$ 21,000.00		179.06	46.51	18,848.00
063000139	City of Clear Lake Shores - Implement Stormwater Management Practices	$ 109,000.00		0.70	0.01	633.00
063000140	City of Clear Lake Shores - Improve Regulations and Permit Requirements	$ 109,000.00		0.70	0.01	633.00
063000142	City of Hitcock - Improve Regulations and Permit Requirements	$ 109,000.00		78.65	11.88	2,655.00
063000143	City of Jamaica Beach - Improve Regulations and Permit Requirements	$ 109,000.00		0.71	0.00	1,276.00
063000144	City of Kemah - Improve Regulations and Permit Requirements	$ 109,000.00		0.64	0.99	562.00
063000145	City of Kemah - Update Floodplain Ordinance	$ 109,000.00		0.64	0.99	562.00
063000146	City of La Marque - Improve Regulations and Permit Requirements	$ 109,000.00		3.75	9.13	829.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Risk				Fl
FMP ID	FMP Name	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical Facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)
063000127	Galveston Bay Surge Protection Coastal Storm Risk Management	85,312.00	266,742.00	3,158.00	39.00	39.00
063000128	Bolivar Peninsula and West Bay Gulf Intracoastal Waterway (GIWW) Shoreline and Island Protection	117,117.00	423,473.00	2,320.00	82.00	82.00
063000129	City of Manvel City Ordinance	967.00	6,741.00	8.00	0.00	0.00
063000130	City of Manvel Land-Use Ordinance Adoption	966.00	6,741.00	8.00	0.00	0.00
063000132	City of Manvel GIS Database Improvements	966.00	6,741.00	8.00	0.00	0.00
063000136	Brazoria County NFIP Technical Material	14,344.00	38,626.00	248.00	0.00	0.00
063000139	City of Clear Lake Shores - Implement Stormwater Management Practices	529.00	2,597.00	4.00	0.00	0.00
063000140	City of Clear Lake Shores - Improve Regulations and Permit Requirements	529.00	2,597.00	4.00	0.00	0.00
063000142	City of Hitcock - Improve Regulations and Permit Requirements	2,270.00	5,294.00	12.00	0.00	0.00
063000143	City of Jamaica Beach - Improve Regulations and Permit Requirements	1,238.00	275.00	4.00	0.00	0.00
063000144	City of Kemah - Improve Regulations and Permit Requirements	425.00	2,792.00	7.00	0.00	0.00
063000145	City of Kemah - Update Floodplain Ordinance	425.00	2,792.00	7.00	0.00	0.00
063000146	City of La Marque - Improve Regulations and Permit Requirements	767.00	1,455.00	8.00	1.00	1.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		ood Risk		Reduction in Flood Risk	
FMP ID	FMP Name	Estimated length of roads at 100-year flood risk (miles)	Estimated farm & ranch land at 100-year flood risk (acres)	Number of structures with reduced 100-year (1% annual chance) flood risk	Number of structures removed from 100-year (1% annual chance) flood risk
063000127	Galveston Bay Surge Protection Coastal Storm Risk Management	1,680.63	4,693.64	4,094.00	75,744.00
063000128	Bolivar Peninsula and West Bay Gulf Intracoastal Waterway (GIWW) Shoreline and Island Protection	2,431.95	0.00	0.00	0.00
063000129	City of Manvel City Ordinance	43.32	0.00	0.00	0.00
063000130	City of Manvel Land-Use Ordinance Adoption	43.32	0.00	0.00	0.00
063000132	City of Manvel GIS Database Improvements	43.32	0.00	0.00	0.00
063000136	Brazoria County NFIP Technical Material	328.07	0.00	0.00	0.00
063000139	City of Clear Lake Shores - Implement Stormwater Management Practices	8.83	0.00	0.00	0.00
063000140	City of Clear Lake Shores - Improve Regulations and Permit Requirements	8.83	0.00	0.00	0.00
063000142	City of Hitcock - Improve Regulations and Permit Requirements	72.52	0.00	0.00	0.00
063000143	City of Jamaica Beach - Improve Regulations and Permit Requirements	13.81	0.00	0.00	0.00
063000144	City of Kemah - Improve Regulations and Permit Requirements	12.01	0.00	0.00	0.00
063000145	City of Kemah - Update Floodplain Ordinance	12.01	0.00	0.00	0.00
063000146	City of La Marque - Improve Regulations and Permit Requirements	31.12	0.00	0.00	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of structures removed from 500-year (0.2% annual chance) flood risk	Residential structures removed from 100-year (1% annual chance) flood risk	Estimated population removed from 100-year (1% annual chance) flood risk	Critical facilities removed from 100-year (1% annual chance) flood risk (#)
063000127	Galveston Bay Surge Protection Coastal Storm Risk Management	90,934.00	61,751.00	346,773.00	2,086.00
063000128	Bolivar Peninsula and West Bay Gulf Intracoastal Waterway (GIWW) Shoreline and Island Protection	0.00	0.00	0.00	0.00
063000129	City of Manvel City Ordinance	0.00	0.00	0.00	0.00
063000130	City of Manvel Land-Use Ordinance Adoption	0.00	0.00	0.00	0.00
063000132	City of Manvel GIS Database Improvements	0.00	0.00	0.00	0.00
063000136	Brazoria County NFIP Technical Material	0.00	0.00	0.00	0.00
063000139	City of Clear Lake Shores - Implement Stormwater Management Practices	0.00	0.00	0.00	0.00
063000140	City of Clear Lake Shores - Improve Regulations and Permit Requirements	0.00	0.00	0.00	0.00
063000142	City of Hitcock - Improve Regulations and Permit Requirements	0.00	0.00	0.00	0.00
063000143	City of Jamaica Beach - Improve Regulations and Permit Requirements	0.00	0.00	0.00	0.00
063000144	City of Kemah - Improve Regulations and Permit Requirements	0.00	0.00	0.00	0.00
063000145	City of Kemah - Update Floodplain Ordinance	0.00	0.00	0.00	0.00
063000146	City of La Marque - Improve Regulations and Permit Requirements	0.00	0.00	0.00	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of low water crossings removed from 100-year (1% Annual chance) flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (miles)	Estimated farm & ranch land removed from 100-year flood risk (acres)
063000127	Galveston Bay Surge Protection Coastal Storm Risk Management	16.00	16.00	1,056.00	4,693.64
063000128	Bolivar Peninsula and West Bay Gulf Intracoastal Waterway (GIWW) Shoreline and Island Protection	0.00	0.00	0.00	0.00
063000129	City of Manvel City Ordinance	0.00	0.00	0.00	0.00
063000130	City of Manvel Land-Use Ordinance Adoption	0.00	0.00	0.00	0.00
063000132	City of Manvel GIS Database Improvements	0.00	0.00	0.00	0.00
063000136	Brazoria County NFIP Technical Material	0.00	0.00	0.00	0.00
063000139	City of Clear Lake Shores - Implement Stormwater Management Practices	0.00	0.00	0.00	0.00
063000140	City of Clear Lake Shores - Improve Regulations and Permit Requirements	0.00	0.00	0.00	0.00
063000142	City of Hitcock - Improve Regulations and Permit Requirements	0.00	0.00	0.00	0.00
063000143	City of Jamaica Beach - Improve Regulations and Permit Requirements	0.00	0.00	0.00	0.00
063000144	City of Kemah - Improve Regulations and Permit Requirements	0.00	0.00	0.00	0.00
063000145	City of Kemah - Update Floodplain Ordinance	0.00	0.00	0.00	0.00
063000146	City of La Marque - Improve Regulations and Permit Requirements	0.00	0.00	0.00	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if applicable)	Pre-Project Level of Service	Post-Project Level of Service	Cost/Structure removed	Percent Nature-Based Solution (by cost)
063000127	Galveston Bay Surge Protection Coastal Storm Risk Management			Unknown	0.01	318270.28	0.00
063000128	Bolivar Peninsula and West Bay Gulf Intracoastal Waterway (GIWW) Shoreline and Island Protection			Unknown	0.01	0.00	100.00
063000129	City of Manvel City Ordinance			Unknown	Unknown	0.00	0.00
063000130	City of Manvel Land-Use Ordinance Adoption			Unknown	0.01	0.00	0.00
063000132	City of Manvel GIS Database Improvements			Unknown	Unknown	0.00	0.00
063000136	Brazoria County NFIP Technical Material			Unknown	Unknown	0.00	0.00
063000139	City of Clear Lake Shores - Implement Stormwater Management Practices			Unknown	0.01	0.00	0.00
063000140	City of Clear Lake Shores - Improve Regulations and Permit Requirements			Unknown	0.01	0.00	0.00
063000142	City of Hitcock - Improve Regulations and Permit Requirements			Unknown	0.01	0.00	0.00
063000143	City of Jamaica Beach - Improve Regulations and Permit Requirements			Unknown	0.01	0.00	0.00
063000144	City of Kemah - Improve Regulations and Permit Requirements			Unknown	0.01	0.00	0.00
063000145	City of Kemah - Update Floodplain Ordinance			Unknown	0.01	0.00	0.00
063000146	City of La Marque - Improve Regulations and Permit Requirements			Unknown	0.01	0.00	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	BCR
063000127	Galveston Bay Surge Protection Coastal Storm Risk Management	No	No	0.47	No		1.91
063000128	Bolivar Peninsula and West Bay Gulf Intracoastal Waterway (GIWW) Shoreline and Island Protection	No	No	0.49	No		0.00
063000129	City of Manvel City Ordinance	No	No	0.42	No		5.00
063000130	City of Manvel Land-Use Ordinance Adoption	No	No	0.42	No		5.00
063000132	City of Manvel GIS Database Improvements	No	No	0.42	No		0.00
063000136	Brazoria County NFIP Technical Material	No	No	0.36	No		0.00
063000139	City of Clear Lake Shores - Implement Stormwater Management Practices	No	No	0.20	No		0.00
063000140	City of Clear Lake Shores - Improve Regulations and Permit Requirements	No	No	0.20	No		5.00
063000142	City of Hitcock - Improve Regulations and Permit Requirements	No	No	0.55	No		5.00
063000143	City of Jamaica Beach - Improve Regulations and Permit Requirements	No	No	0.03	No		5.00
063000144	City of Kemah - Improve Regulations and Permit Requirements	No	No	0.42	No		5.00
063000145	City of Kemah - Update Floodplain Ordinance	No	No	0.42	No		5.00
063000146	City of La Marque - Improve Regulations and Permit Requirements	No	No	0.67	No		5.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties
063000148	City of Tiki Island - Improve Regulations and Permit Requirements	Update and/or develop regulations and permits to address hazards prone to the area and include any changes in future development area.	06000001, 06000007, 06000010, 06000015	Galveston
063000149	City of Santa Fe - Improve Regulations and Permit Requirements	Update and/or develop regulations and permits to address hazards prone to the area and include any changes in future development area.	06000001, 06000007, 06000010, 06000015	Galveston
063000152	City of Galveston Land Use Mapping	Develop proposed land use mapping to allow easier consideration of hazards.	06000001, 06000007, 06000010, 06000015	Galveston
063000153	City of Galveston Freeboard Requirement Enforcement	Consider adoption and enforcement of freeboard requirement into City's Flood Damage Prevention Ordinance.	06000001, 06000007, 06000010, 06000015	Galveston
063000167	Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and the larger channelization and detention along Greens Bayou known as the Mid-Reach project.	Projects submited as part of the CDBG MIT grant in Greens Bayou including Projects: Fountainview Sec 1&2, Castlewood Sec 3&4, North Forest, Mid-Reach Greens, Parkland Estates, and Humble Road Place.	06000001, 06000005, 06000006, 06000011, 06000015	Harris
063000186	Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards	Project proposed to improve conveyance within the D111-00-00 channel between Bellaire and University Boulevards. The LOS of the channel is increased from a 10-year event to a 50-year event. Mitigation volume is provided in the Meyer SW Detention Basin.	06000001, 06000011, 06000012, 06000015	Harris
063000201	City of Alvin Unified Development Ordinance	A unified land development code combines all land use controls into a single document with a logical structure that is user friendly. Cost is time, data and preparation of a unified land development code.	06000001, 06000007, 06000010, 06000015	Brazoria, Galveston, Fort Bend
063000311	37th Street Improvement Project	The project proposes storm sewer improvements coupled with implementing a stormwater pump station to addressing 100-year event flooding and improve access to major evacuation routes.	06000001, 06000003, 06000004, 06000015	Galveston
063000313	Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	Design and Construction of Dinner Creek Stormwater Detention Basin (U520-01-00-E003). Project would expand the existing detention basin to ultimate conditions and incorporate both detention and retention.	06000001, 06000011, 06000012, 06000015	Harris
063000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	Part of the South Mayde Creek Plan that could reduce the risk of flooding for more than 70 homes and reduce the rainfall event by more than 340 acres in a pre-Atlas 1% rainfall event.	06000001, 06000011, 06000012, 06000015	Harris
063000319	Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	This project provides for design and construction of three offline detention basins in B509-03-00 and B509-04-00.	06000001, 06000011, 06000012, 06000015	Harris
063000320	Warren Lake and Dam Retrofit	Retrofit dam to improve detention of flood & storm water runoff, new 137.3 ac wetlands complex added of storage capacity & conversion of fields to tallgrass prairies to add approximately 856 ac-ft of total storage during rainfall events.	06000001, 06000011, 06000012, 06000015	Harris

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	HUC12s	Watersheds	Project Type	Project Area (sqmi)
063000148	City of Tiki Island - Improve Regulations and Permit Requirements	120402040200	06000107, 06000107	Preparedness	1.59
063000149	City of Santa Fe - Improve Regulations and Permit Requirements	120402040300, 120402040200	06000108, 06000108, 06000107	Preparedness	17.04
063000152	City of Galveston Land Use Mapping	120402040300, 120402040200, 120402040400, 120402040500	06000108, 06000108, 06000107, 06000109, 06000110	Preparedness	211.08
063000153	City of Galveston Freeboard Requirement Enforcement	120402040300, 120402040200, 120402040400, 120402040500	06000108, 06000108, 06000107, 06000109, 06000110	Preparedness	211.08
063000167	Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and the larger channelization and detention along Greens Bayou known as the Mid-Reach project.	120401040601, 120401040604, 120401040602, 120401040603	06000087, 06000090, 06000088, 06000089	Comprehensive	165.69
063000186	Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards	120401040402	06000084	Channel	2.08
063000201	City of Alvin Unified Development Ordinance	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000108, 06000107, 06000109, 06000106	Preparedness	25.09
063000311	37th Street Improvement Project	120402040200	06000107	Infrastructure	211.72
063000313	Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	120401040202, 120401040201, 120401040203, 120401040303	06000076, 06000075, 06000077, 06000080	Detention Pond	20.51
063000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	120401040203, 120401040303, 120401040303	06000074, 06000077, 06000080	Comprehensive	13.25
063000319	Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	120402040100, 120401040703, 120401040706	06000106, 06000095, 06000098	Detention Pond	59.11
063000320	Warren Lake and Dam Retrofit	120401020103, 120401020101, 120401020105	06000028, 06000026, 06000030	Comprehensive	2.12

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
063000148	City of Tiki Island - Improve Regulations and Permit Requirements	Urban/Local	City of Tiki Island	Galveston County , Tiki Island	No
063000149	City of Santa Fe - Improve Regulations and Permit Requirements	Riverine, Urban/Local	City of Santa Fe	Galveston County , Santa Fe	No
063000152	City of Galveston Land Use Mapping	Urban/Local	City of Galveston	Galveston County , Galveston	No
063000153	City of Galveston Freeboard Requirement Enforcement	Riverine, Urban/Local	City of Galveston	Galveston County , Galveston	No
063000167	Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and the larger channelization and detention along Greens Bayou known as the Mid-Reach project.	Urban/Local	Harris County Flood Control District (HCFCD)	Harris County, Harris County Flood Control District (HCFCD), Houston	Yes
063000186	Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards	Riverine	Harris County Flood Control District (HCFCD)	Houston, Southside Place, West University Place, Harris County, Harris County Flood Control District (HCFCD)	No
063000201	City of Alvin Unified Development Ordinance	Urban/Local	City of Alvin	Brazoria County, West Brazoria County Drainage District, Alvin	No
063000311	37th Street Improvement Project	Coastal	City of Galveston	Galveston County, Galveston, Gulf Coast Waste Disposal Authority, Houston-Galveston Area Council, Gulf Coast Protection District	No
063000313	Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	Riverine	Harris County Flood Control District (HCFCD)	Harris County	No
063000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County, Harris County Flood Control District (HCFCD), Houston	No
063000319	Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	La Porte, Pasadena, Harris County Flood Control District (HCFCD), Harris County	No
063000320	Warren Lake and Dam Retrofit	Riverine	Coastal Prairie Conservancy	Harris County Flood Control District (HCFCD), Harris County	No

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by BFPG

FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Flood Area in 100-year (1% annual chance) floodplain	Area in 500-year (0.2% annual chance) floodplain	Estimated number of structures at 100-year flood risk
063000148	City of Tiki Island - Improve Regulations and Permit Requirements	$ 109,000.00		1.59	0.00	1,006.00
063000149	City of Santa Fe - Improve Regulations and Permit Requirements	$ 109,000.00		0.68	2.37	400.00
063000152	City of Galveston Land Use Mapping	$ 11,000.00		76.41	2.28	21,858.00
063000153	City of Galveston Freeboard Requirement Enforcement	$ 100,000.00		76.41	2.28	21,858.00
063000167	Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and the larger channelization and detention along Greens Bayou known as the Mid-Reach project.	$ 120,284,000.00		8.83	3.49	4,420.00
063000186	Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards	$ 19,917,000.00		0.05	0.22	33.00
063000201	City of Alvin Unified Development Ordinance	$ 100,000.00	Entity/ Budget Funds	8.79	0.87	3,445.00
063000311	37th Street Improvement Project	$ 75,000,000.00	Other	0.19		196.00
063000313	Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	$ 33,081,000.00		1.83	0.89	306.00
063000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	$ 27,818,000.00		1.88	1.25	1,015.00
063000319	Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	$ 34,850,000.00		4.06	2.91	1,387.00
063000320	Warren Lake and Dam Retrofit	$ 6,439,000.00				47.00

Appendix A-F: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by PEPC

		Risk				Fl
FMP ID	FMP Name	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical Facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)
063000148	City of Tiki Island - Improve Regulations and Permit Requirements	978.00	1,681.00	6.00	0.00	0.00
063000149	City of Santa Fe - Improve Regulations and Permit Requirements	306.00	748.00	1.00	9.00	9.00
063000152	City of Galveston Land Use Mapping	19,143.00	64,300.00	509.00	0.00	0.00
063000153	City of Galveston Freeboard Requirement Enforcement	19,143.00	64,300.00	509.00	0.00	0.00
063000167	Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and the larger channelization and detention along Greens Bayou known as the Mid-Reach project.	3,251.00	49,996.00	88.00	0.00	0.00
063000186	Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards	24.00	1,410.00	4.00	0.00	0.00
063000201	City of Alvin Unified Development Ordinance	2,605.00	15,192.00	18.00	0.00	0.00
063000311	37th Street Improvement Project	155.00	468.00	3.00	0.00	0.00
063000313	Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	290.00	1,377.00	1.00	0.00	0.00
063000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	986.00	3,403.00	4.00	0.00	0.00
063000319	Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	1,084.00	3,757.00	6.00	2.00	2.00
063000320	Warren Lake and Dam Retrofit	47.00	94.00	0.00	0.00	0.00

		Flood Risk		Reduction in Flood Risk	
FMP ID	FMP Name	Estimated length of roads at 100-year flood risk (miles)	Estimated farm & ranch land at 100-year flood risk (acres)	Number of structures with reduced 100-year (1% annual chance) flood risk	Number of structures removed from 100-year (1% annual chance) flood risk
063000148	City of Tiki Island - Improve Regulations and Permit Requirements	9.64	0.00	0.00	0.00
063000149	City of Santa Fe - Improve Regulations and Permit Requirements	4.13	0.00	0.00	0.00
063000152	City of Galveston Land Use Mapping	408.63	0.00	0.00	0.00
063000153	City of Galveston Freeboard Requirement Enforcement	408.63	0.00	0.00	0.00
063000167	Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and the larger channelization and detention along Greens Bayou known as the Mid-Reach project.	98.49	0.00	2,076.00	1,816.00
063000186	Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards	3.14	0.00	20.00	8.00
063000201	City of Alvin Unified Development Ordinance	56.81	0.00	0.00	0.00
063000311	37th Street Improvement Project	5.81	0.00	0.00	196.00
063000313	Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	8.14	0.00	201.00	42.00
063000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	23.69	1.03	0.00	264.00
063000319	Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	31.46	0.00	383.00	15.00
063000320	Warren Lake and Dam Retrofit	0.00	0.00	47.00	47.00

Appendix A-F: Table 12 – Potentially Feasible Flood Mitigation Projects Identified by PEPC

FMP ID	FMP Name	Reduction in Flood Risk			
		Number of structures removed from 500-year (0.2% annual chance) flood risk	Residential structures removed from 100-year (1% annual chance) flood risk	Estimated population removed from 100-year (1% annual chance) flood risk	Critical facilities removed from 100-year (1% annual chance) flood risk (#)
063000148	City of Tiki Island - Improve Regulations and Permit Requirements	0.00	0.00	0.00	0.00
063000149	City of Santa Fe - Improve Regulations and Permit Requirements	0.00	0.00	0.00	0.00
063000152	City of Galveston Land Use Mapping	0.00	0.00	0.00	0.00
063000153	City of Galveston Freeboard Requirement Enforcement	0.00	0.00	0.00	0.00
063000167	Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and the larger channelization and detention along Greens Bayou known as the Mid-Reach project.	1,550.00	1,508.00	21,508.00	21.00
063000186	Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards	413.00	5.00	54.00	2.00
063000201	City of Alvin Unified Development Ordinance	0.00	0.00	0.00	0.00
063000311	37th Street Improvement Project	0.00	155.00	468.00	3.00
063000313	Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	27.00	43.00	0.00	0.00
063000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	240.00	238.00	1,225.00	2.00
063000319	Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	87.00	13.00	114.00	0.00
063000320	Warren Lake and Dam Retrofit	20.00	47.00	94.00	0.00

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of low water crossings removed from 100-year (1% Annual chance) flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (miles)	Estimated farm & ranch land removed from 100-year flood risk (acres)
063000148	City of Tiki Island - Improve Regulations and Permit Requirements	0.00	0.00	0.00	0.00
063000149	City of Santa Fe - Improve Regulations and Permit Requirements	0.00	0.00	0.00	0.00
063000152	City of Galveston Land Use Mapping	0.00	0.00	0.00	0.00
063000153	City of Galveston Freeboard Requirement Enforcement	0.00	0.00	0.00	0.00
063000167	Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and the larger channelization and detention along Greens Bayou known as the Mid-Reach project.	0.00	0.00	25.00	0.00
063000186	Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards	0.00	0.00	3.00	0.00
063000201	City of Alvin Unified Development Ordinance	0.00	0.00	0.00	0.00
063000311	37th Street Improvement Project	0.00	0.00	5.00	0.00
063000313	Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	0.00	0.00	1.00	0.00
063000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	0.00	0.00	0.00	1.03
063000319	Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	0.00	0.00	1.00	0.00
063000320	Warren Lake and Dam Retrofit	0.00	0.00	0.00	0.00

Appendix A-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if applicable)	Pre-Project Level of Service	Post-Project Level of Service	Cost/Structure removed	Percent Nature-Based Solution (by cost)
063000148	City of Tiki Island - Improve Regulations and Permit Requirements			Unknown	0.01	0.00	0.00
063000149	City of Santa Fe - Improve Regulations and Permit Requirements			Unknown	0.01	0.00	0.00
063000152	City of Galveston Land Use Mapping			Varies by Roadways	Unknown	0.00	0.00
063000153	City of Galveston Freeboard Requirement Enforcement			Unknown	Unknown	0.00	0.00
063000167	Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and the larger channelization and detention along Greens Bayou known as the Mid-Reach project.			Unknown	Unknown	66235.69	0.00
063000186	Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards			0.1	0.02	2489625.00	0.00
063000201	City of Alvin Unified Development Ordinance			Unknown	Unknown	0.00	0.00
063000311	37th Street Improvement Project			Unknown	Unknown	382653.06	0.00
063000313	Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)			Unknown	Unknown	787642.88	0.00
063000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek			Unknown	Unknown	105371.22	0.00
063000319	Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)			Unknown	Unknown	2323333.25	0.00
063000320	Warren Lake and Dam Retrofit			Unknown	Unknown	137000.00	100.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	BCR
063000148	City of Tiki Island - Improve Regulations and Permit Requirements	No	No	0.14	No		5.00
063000149	City of Santa Fe - Improve Regulations and Permit Requirements	No	No	0.35	No		5.00
063000152	City of Galveston Land Use Mapping	No	No	0.42	No		0.00
063000153	City of Galveston Freeboard Requirement Enforcement	No	No	0.42	No		5.00
063000167	Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and the larger channelization and detention along Greens Bayou known as the Mid-Reach project.	No	No	0.70	No		2.13
063000186	Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards	No	No	0.03	No		1.23
063000201	City of Alvin Unified Development Ordinance	No	No	0.51	No		5.00
063000311	37th Street Improvement Project	No	No	0.68	No		0.08
063000313	Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	No	No	0.37	No		0.04
063000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	No	No	0.28	No		0.73
063000319	Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	No	No	0.41	No		0.01
063000320	Warren Lake and Dam Retrofit	No	No	0.56	No		4.45

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties
063000321	Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)	The proposed project includes the expansion and extension of existing detention basins to alleviate historical and potential future riverine flooding within the Armand Bayou Watershed.	06000001, 06000011, 06000012, 06000015	Harris
063000327	Blalock Road Drainage Improvement Project	The proposed drainage improvements project will replace an undersized drainage system on Blalock Road, tie into drainage improvements on South Piney Point Road, and provide improvements on a drainage area that frequently experiences drainage issues.	06000001, 06000011, 06000012, 06000015	Harris
063000328	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	The proposed project includes widening sections of the Keegans Bayou main channel and a 1,600 acre-feet detention basin.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris
063000334	Goose Creek Flood Risk Reduction	The project includes three phases of development. Phase 1 includes a regional detention basin and channel improvements along two segments of Goose Creek for a total length of 1.65 miles. Phase 2 includes a regional detention basin and channel improvements	06000001, 06000011, 06000012, 06000015	Harris
063000339	Willow Creek Watershed Plan - M120 Detention/Preservation Site	The project includes a 1,640 acre-feet regional detention basin, 85 acres of floodplain preservation, & habitat preservation in Willow Creek.	06000001, 06000011, 06000012, 06000015	Harris
063000344	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	This project includes a stormwater detention basin that compliments the federal project on White Oak Bayou.	06000001, 06000011, 06000012, 06000015	Harris
063000357	Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	Program implementation plan for the design and construction of 22 regional detention basins (12,800 ac-ft) in the Cypress Creek watershed K100-00-00) based on the Cypress Creek Watershed and Major Tributaries Regional Drainage Plan Update(February 2020).	06000001, 06000011, 06000012, 06000015	Harris
063000360	Kingwood Diversion Ditch (G103-38-00)	Improvements to the Kingwood Diversion Ditch include channel modifications, flow diversion from Bens Branch, bridge replacements, as well as a new outfall to the West Fork San Jacinto River.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery
063000389	Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)	The proposed project includes channel improvements, upsizing of culverts, siltation removal, local drainage improvements, and a stormwater detention basin within White Oak Bayou Tributary E116-00-00.	06000001, 06000011, 06000012, 06000015	Harris
063000396	P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)	This project provides for design and construction for the second phase of the Aldine Westfield North Detendion Basin in the Halls Bayou watershed.	06000001, 06000011, 06000012, 06000015	Harris

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	HUC12s	Watersheds	Project Type	Project Area (sqmi)
063000321	Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)	120401040703, 120402040100	06000095, 06000098, 06000106	Detention Pond	59.11
063000327	Blalock Road Drainage Improvement Project	120401040303	06000080	Infrastructure	0.88
063000328	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	120401040401, 120401040501	06000083, 06000085	Comprehensive	22.96
063000334	Goose Creek Flood Risk Reduction	120401040705, 120401040706, 120402030104, 120402030105, 120402030106	06000097, 06000098, 06000103, 06000102, 06000104	Comprehensive	27.03
063000339	Willow Creek Watershed Plan - M120 Detention/Preservation Site	120401020105, 120401020106, 120401020205, 120401020209, 120401020210, 120401020212	06000031, 06000030, 06000037, 06000042, 06000041, 06000044	Detention Pond	55.58
063000344	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	120401020104, 120401020106, 120401040301, 120401040302, 120401040304, 120401040305, 120401040601, 120401040701, 120401040703	06000029, 06000031, 06000095, 06000087, 06000082, 06000079, 06000081, 06000078, 06000093	Detention Pond	78.67
063000357	Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	120401020104, 120401020106, 120401020105, 120401020107, 120401020210, 120401020213, 120401040601, 120401040201, 120401040301, 120401040602	06000029, 06000031, 06000030, 06000032, 06000042, 06000045, 06000087, 06000075, 06000078, 06000088	Detention Pond	118.81
063000360	Kingwood Diversion Ditch (G103-38-00)	120401010404, 120401010501, 120401030110, 120401030402	06000024, 06000023, 06000055, 06000070	Comprehensive	21.77
063000389	Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)	120401040302, 120401040304	06000079, 06000081	Comprehensive	6.92
063000396	P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)	120401040604	06000090	Detention Pond	52.16

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
063000321	Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County Flood Control District (HCFCD), Harris County, City of Pasadena, City of Deer Park	No
063000327	Blalock Road Drainage Improvement Project	Riverine, Urban/Local	City of Piney Point Village	City of Piney Point Village	No
063000328	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Fort Bend County, Harris County, Harris County Flood Control District (HCFCD)	No
063000334	Goose Creek Flood Risk Reduction	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County, Harris County Flood Control District (HCFCD), Baytown	No
063000339	Willow Creek Watershed Plan - M120 Detention/Preservation Site	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County, Harris County Flood Control District (HCFCD), Houston	No
063000344	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County, Harris County Flood Control District (HCFCD), Houston	No
063000357	Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District (HCFCD), Harris County	No
063000360	Kingwood Diversion Ditch (G103-38-00)	Riverine	Harris County Flood Control District (HCFCD)	Harris County, Harris County Flood Control District (HCFCD), Houston	No
063000389	Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District (HCFCD), Harris County	No
063000396	P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County Flood Control District (HCFCD), Harris County	No

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

				Flood		
FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Area in 100-year (1% annual chance) floodplain	Area in 500-year (0.2% annual chance) floodplain	Estimated number of structures at 100-year flood risk
063000321	Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)	$ 9,450,000.00		13.91	0.00	6,363.00
063000327	Blalock Road Drainage Improvement Project	$ 19,324,000.00		0.42	0.00	364.00
063000328	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	$ 190,218,000.00		3.25	0.00	3,717.00
063000334	Goose Creek Flood Risk Reduction	$ 46,494,000.00	HCFCD	3.81	2.13	980.00
063000339	Willow Creek Watershed Plan - M120 Detention/Preservation Site	$ 64,900,000.00	2018 Bond Fund	8.64	1.47	916.00
063000344	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	$ 42,600,000.00	HCFCD	6.92	4.95	5,661.00
063000357	Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	$ 550,000,000.00		28.21	0.00	16,233.00
063000360	Kingwood Diversion Ditch (G103-38-00)	$ 62,938,000.00		0.82	0.00	79.00
063000389	Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)	$ 8,375,000.00		8.07	0.00	14,652.00
063000396	P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)	$ 10,371,000.00		2.81	0.91	3,412.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Risk				Fl
FMP ID	FMP Name	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical Facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)
063000321	Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)	5,381.00	18,858.00	28.00	4.00	4.00
063000327	Blalock Road Drainage Improvement Project	347.00	1,519.00	0.00	0.00	0.00
063000328	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	3,331.00	20,045.00	57.00	0.00	0.00
063000334	Goose Creek Flood Risk Reduction	802.00	5,318.00	34.00	1.00	1.00
063000339	Willow Creek Watershed Plan - M120 Detention/Preservation Site	640.00	2,230.00	5.00	5.00	5.00
063000344	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	5,077.00	29,631.00	30.00	2.00	2.00
063000357	Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	14,960.00	49,086.00	158.00	0.00	0.00
063000360	Kingwood Diversion Ditch (G103-38-00)	52.00	3,414.00	18.00	0.00	0.00
063000389	Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)	13,403.00	36,556.00	155.00	0.00	0.00
063000396	P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)	2,477.00	740.00	3.00	1.00	1.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		ood Risk		Reduction in Flood Risk	
FMP ID	FMP Name	Estimated length of roads at 100-year flood risk (miles)	Estimated farm & ranch land at 100-year flood risk (acres)	Number of structures with reduced 100-year (1% annual chance) flood risk	Number of structures removed from 100-year (1% annual chance) flood risk
063000321	Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)	149.69	0.34	1,256.00	230.00
063000327	Blalock Road Drainage Improvement Project	6.02	0.00	97.00	54.00
063000328	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	94.91	0.00	1,446.00	2,009.00
063000334	Goose Creek Flood Risk Reduction	17.27	0.00	383.00	269.00
063000339	Willow Creek Watershed Plan - M120 Detention/Preservation Site	26.99	0.00	260.00	127.00
063000344	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	121.23	0.00	2,115.00	702.00
063000357	Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	264.03	0.00	5,947.00	2,814.00
063000360	Kingwood Diversion Ditch (G103-38-00)	1.92	0.00	21.00	49.00
063000389	Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)	140.05	0.00	5,042.00	24.00
063000396	P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)	21.51	0.00	557.00	129.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of structures removed from 500-year (0.2% annual chance) flood risk	Residential structures removed from 100-year (1% annual chance) flood risk	Estimated population removed from 100-year (1% annual chance) flood risk	Critical facilities removed from 100-year (1% annual chance) flood risk (#)
063000321	Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)	0.00	163.00	1,110.00	0.00
063000327	Blalock Road Drainage Improvement Project	0.00	46.00	498.00	0.00
063000328	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	0.00	1,785.00	16,486.00	29.00
063000334	Goose Creek Flood Risk Reduction	374.00	220.00	1,283.00	9.00
063000339	Willow Creek Watershed Plan - M120 Detention/Preservation Site	23.00	99.00	548.00	0.00
063000344	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	773.00	629.00	3,011.00	2.00
063000357	Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	0.00	2,664.00	9,880.00	18.00
063000360	Kingwood Diversion Ditch (G103-38-00)	0.00	32.00	3,244.00	10.00
063000389	Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)	0.00	15.00	0.00	1.00
063000396	P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)	20.00	84.00	423.00	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of low water crossings removed from 100-year (1% Annual chance) flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (miles)	Estimated farm & ranch land removed from 100-year flood risk (acres)
063000321	Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)	0.00	0.00	1.00	0.34
063000327	Blalock Road Drainage Improvement Project	0.00	0.00	1.00	0.00
063000328	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	0.00	0.00	150.00	0.00
063000334	Goose Creek Flood Risk Reduction	0.00	0.00	28.00	0.00
063000339	Willow Creek Watershed Plan - M120 Detention/Preservation Site	0.00	0.00	2.00	0.00
063000344	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	0.00	0.00	19.00	0.00
063000357	Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	0.00	0.00	27.00	0.00
063000360	Kingwood Diversion Ditch (G103-38-00)	0.00	0.00	25.00	0.00
063000389	Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)	0.00	0.00	0.00	0.00
063000396	P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)	0.00	0.00	0.00	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if applicable)	Pre-Project Level of Service	Post-Project Level of Service	Cost/Structure removed	Percent Nature-Based Solution (by cost)
063000321	Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)			Unknown	Unknown	41086.96	0.00
063000327	Blalock Road Drainage Improvement Project			Unknown	Unknown	357851.88	0.00
063000328	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction			Unknown	Unknown	94682.93	0.00
063000334	Goose Creek Flood Risk Reduction			Unknown	Unknown	172840.16	0.00
063000339	Willow Creek Watershed Plan - M120 Detention/Preservation Site			Unknown	Unknown	511023.63	0.00
063000344	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin			Unknown	Unknown	60683.77	0.00
063000357	Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)			Unknown	Varies	195451.31	0.00
063000360	Kingwood Diversion Ditch (G103-38-00)			Unknown	Unknown	1284449.00	0.00
063000389	Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)			Unknown	Unknown	348958.34	0.00
063000396	P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)			Unknown	Unknown	80395.35	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	BCR
063000321	Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)	No	No	0.51	No		0.81
063000327	Blalock Road Drainage Improvement Project	No	No	0.28	No		0.00
063000328	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	No	No	0.65	No		0.94
063000334	Goose Creek Flood Risk Reduction	No	No	0.63	No		0.48
063000339	Willow Creek Watershed Plan - M120 Detention/Preservation Site	No	No	0.26	No		0.68
063000344	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	No	No	0.35	No		1.89
063000357	Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	No	No	0.28	No		0.28
063000360	Kingwood Diversion Ditch (G103-38-00)	No	No	0.20	No		0.03
063000389	Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)	No	No	0.42	No		1.47
063000396	P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)	No	No	0.75	No		0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties
063000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	This project provides for the design and construction of flood mitigation improvements including detention basins along P118-23-00 and concrete lining P118-23-02. (2018 Bond Project C-26 & C-27)	06000001, 06000011, 06000012, 06000015	Harris
063000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	This project provides analysis and preliminary design (Alternative 3b) for detention basin, widening of existing channels, and extension of channel P118-25-01 (Halls Bayou Tributary).	06000001, 06000011, 06000012, 06000015	Harris
063000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	This project provides analysis and description of the existing flooding conditions within the P118-27-00 catchment area and consequently develops flood risk mitigation alternatives, including detention basis and channel improvements.	06000001, 06000011, 06000012, 06000015	Harris
063000402	Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)	The proposed project includes the design and construction of approximately two miles of channel improvements along N100-00-00, channel improvements to a short segment of N109-00-00, and a detention basin to mitigate downstream impacts.	06000001, 06000011, 06000012, 06000015	Harris
063000417	Houston Fifth Area Flood Mitigation	This unfunded CDBG-MIT application involves installing various storm sewer infrastructure in the Fifth Ward and Market Square areas within the City of Houston.	06000001, 06000011, 06000012, 06000015	Harris
063000418	Houston Port Area Flood Mitigation	The project includes storm sewer improvements on nearly every street in the Pleasantville neighborhood to improve conveyance capacity and construction of a detention basin.	06000001, 06000011, 06000012, 06000015	Harris
063000422	Danubina Drainage Improvements	This CDBG-MIT application involves the installation and construction of improvements along Hull Gully, detention, and storm sewer improvements along Hunnicutt Street.	06000001, 06000011, 06000012, 06000015	Chambers, Harris
063000424	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	This project, which includes terraces, detention, and a trail network, will reduce water surface elevations on Clear Creek within the City of Friendswood and will make the Blackhawk Wastewater Treatment Facility more resilient.	06000001, 06000011, 06000012, 06000015	Galveston, Harris

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	HUC12s	Watersheds	Project Type	Project Area (sqmi)
063000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091, 06000087, 06000079, 06000090, 06000092, 06000081, 06000089, 06000093	Comprehensive	1.58
063000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091, 06000087, 06000079, 06000090, 06000092, 06000081, 06000089, 06000093	Comprehensive	52.32
063000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091, 06000087, 06000079, 06000090, 06000092, 06000081, 06000089, 06000093	Comprehensive	6.03
063000402	Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)	120401010502, 120401040602, 120401040604, 120401040605, 120401040606, 120401040701, 120401040702, 120401040703, 120401040704, 120401040705	06000025, 06000091, 06000095, 06000097, 06000094, 06000090, 06000092. 06000088, 06000093, 06000096	Comprehensive	66.62
063000417	Houston Fifth Area Flood Mitigation	120401040701	06000093	Infrastructure	40.60
063000418	Houston Port Area Flood Mitigation	120401040701	06000093	Infrastructure	40.60
063000422	Danubina Drainage Improvements	120401040705, 120401040706, 120402030105, 120402030106, 120402030200	06000097, 06000098, 06000103, 06000104, 06000105	Infrastructure	47.70
063000424	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	120402040200, 120402040100	06000107, 06000106	Detention Pond	20.90

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
063000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District (HCFCD), Harris County	No
063000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District (HCFCD), Harris County	No
063000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District (HCFCD), Harris County	No
063000402	Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Harris, Harris County MUD 148, Harris County MUD 421, Harris County Improvement District 15, Harris County MUD 427, Harris County MUD 428, Harris County MUD 429, Harris County MUD 342, Harris County FWSD 6, Harris County MUD 425, Harris County MUD 426, Harris County MUD 53, Harris County MUD 285, Harris County WCID 36, Harris County FWSD 47, Harris County MUD 344, Harris County FWSD 51, Harris County MUD 403, Harris County WCID 84, Harris County MUD 8, Houston, San Jacinto Region Boundary	No
063000417	Houston Fifth Area Flood Mitigation	Urban/Local	City of Houston	Houston, Harris County Flood Control District (HCFCD), Harris County	No
063000418	Houston Port Area Flood Mitigation	Urban/Local	City of Houston	Houston, Harris County Flood Control District (HCFCD), Harris County	No
063000422	Danubina Drainage Improvements	Riverine, Urban/Local	City of Baytown	Harris County, Harris County Flood Control District (HCFCD)	No
063000424	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	Riverine, Urban/Local	City of Friendswood	Friendswood, Harris County, Harris County Flood Control District (HCFCD), Galveston County	No

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

				Flood		
FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Area in 100-year (1% annual chance) floodplain	Area in 500-year (0.2% annual chance) floodplain	Estimated number of structures at 100-year flood risk
063000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	$ 31,317,000.00		0.16	0.27	289.00
063000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	$ 14,939,000.00		11.32	3.85	13,531.00
063000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	$ 23,680,000.00		0.16	0.08	326.00
063000402	Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)	$ 30,360,000.00		4.32	2.85	2,569.00
063000417	Houston Fifth Area Flood Mitigation	$ 89,754,000.00		0.80		2,162.00
063000418	Houston Port Area Flood Mitigation	$ 99,022,000.00		0.31		765.00
063000422	Danubina Drainage Improvements	$ 18,468,000.00	CDBG-MIT	0.11	0.00	137.00
063000424	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	$ 65,800,000.00	Bonds/Other Financing			4,952.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Risk				Fl
FMP ID	FMP Name	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical Facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)
063000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	244.00	1,108.00	0.00	0.00	0.00
063000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	11,247.00	10,940.00	92.00	7.00	7.00
063000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	277.00	1,083.00	5.00	5.00	5.00
063000402	Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)	2,327.00	8,805.00	34.00	2.00	2.00
063000417	Houston Fifth Area Flood Mitigation	1,973.00	6,289.00	19.00	0.00	0.00
063000418	Houston Port Area Flood Mitigation	706.00	2,550.00	20.00	0.00	0.00
063000422	Danubina Drainage Improvements	118.00	428.00	0.00	0.00	0.00
063000424	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	4,507.00	16,927.00	189.00	11.00	11.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		ood Risk		Reduction in Flood Risk	
FMP ID	FMP Name	Estimated length of roads at 100-year flood risk (miles)	Estimated farm & ranch land at 100-year flood risk (acres)	Number of structures with reduced 100-year (1% annual chance) flood risk	Number of structures removed from 100-year (1% annual chance) flood risk
063000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	2.22	0.00	3.00	286.00
063000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	136.69	0.00	0.00	952.00
063000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	3.48	0.00	1.00	325.00
063000402	Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)	66.55	0.00	1,346.00	379.00
063000417	Houston Fifth Area Flood Mitigation	35.54	0.01	634.00	1,306.00
063000418	Houston Port Area Flood Mitigation	13.57	0.25	193.00	538.00
063000422	Danubina Drainage Improvements	4.92	0.00	22.00	111.00
063000424	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	574.71	2.85	3,088.00	172.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of structures removed from 500-year (0.2% annual chance) flood risk	Residential structures removed from 100-year (1% annual chance) flood risk	Estimated population removed from 100-year (1% annual chance) flood risk	Critical facilities removed from 100-year (1% annual chance) flood risk (#)
063000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	428.00	242.00	1,109.00	0.00
063000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	1,072.00	625.00	3,088.00	3.00
063000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	167.00	276.00	1,811.00	5.00
063000402	Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)	1,157.00	344.00	3,664.00	8.00
063000417	Houston Fifth Area Flood Mitigation	0.00	1,202.00	4,125.00	16.00
063000418	Houston Port Area Flood Mitigation	0.00	514.00	1,912.00	0.00
063000422	Danubina Drainage Improvements	0.00	86.00	304.00	0.00
063000424	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	0.00	0.00	0.00	2.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of low water crossings removed from 100-year (1% Annual chance) flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (miles)	Estimated farm & ranch land removed from 100-year flood risk (acres)
063000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	0.00	0.00	23.00	0.00
063000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	0.00	0.00	5.00	0.00
063000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	0.00	0.00	26.00	0.00
063000402	Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)	0.00	0.00	14.00	0.00
063000417	Houston Fifth Area Flood Mitigation	0.00	0.00	16.00	0.01
063000418	Houston Port Area Flood Mitigation	0.00	0.00	2.00	0.25
063000422	Danubina Drainage Improvements	0.00	0.00	10.00	0.00
063000424	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	0.00	0.00	7.00	2.85

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if applicable)	Pre-Project Level of Service	Post-Project Level of Service	Cost/Structure removed	Percent Nature-Based Solution (by cost)
063000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02			Varies	Varies	109500.00	0.00
063000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01			Varies	Varies	15692.23	0.00
063000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00			Varies	0.01	72861.54	0.00
063000402	Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)			Unknown	Unknown	80105.55	0.00
063000417	Houston Fifth Area Flood Mitigation			Unknown	Unknown	68724.35	0.00
063000418	Houston Port Area Flood Mitigation			Unknown	Unknown	184055.77	0.00
063000422	Danubina Drainage Improvements			Unknown	Unknown	166378.38	0.00
063000424	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I			Unknown	Unknown	382558.13	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	BCR
063000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	No	No	0.66	No		0.48
063000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	No	No	0.78	No		0.96
063000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	No	No	0.73	No		2.18
063000402	Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)	No	No	0.58	No		0.46
063000417	Houston Fifth Area Flood Mitigation	No	No	0.90	No		1.87
063000418	Houston Port Area Flood Mitigation	No	No	0.75	No		0.30
063000422	Danubina Drainage Improvements	No	No	0.79	No		0.96
063000424	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	No	No	0.24	No		0.21

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties
063000434	Houston Kashmere Gardens Area Flood Mitigation	The project includes improvements to storm sewer, roadside ditch systems, culverts, sewer inlets, and the construction of detention basins.	06000001, 06000011, 06000012, 06000015	Harris
063000453	Rivershire West - Grand Lake Creek Watershed	This project is located in a residential neighborhood and consists of benching, floodwalls, and upsizing culverts to route and contain flow. Additionally, there are proposed bridge modifications to reduce impediments to water flow	06000001, 06000011, 06000012, 06000015	Montgomery
063000468	Houston Sunnyside Area Flood Mitigation	Includes new storm sewer trunk systems on major thoroughfares & new or improved neighborhood storm sewer systems. Will also require construction of detention basins to mitigate the proposed improvements.	06000001, 06000011, 06000012, 06000015	Harris
063000469	Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)	Project consists of ROW acquisition and construction of a detention basin near Veterans Memorial which provides approximately 460 acre-feet of storage.	06000001, 06000011, 06000012, 06000015	Harris
063000470	Halls Bayou Drainage Project Bond C-01	Provides for design and construction of drainage improvements to P118-26-00 including approximately 119 acre-feet of total storage between two basins and the replacement of a channel with RCBs.	06000001, 06000011, 06000012, 06000015	Harris
063000471	Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	This project provides for design and construction of four detention basisns providing approximately 602 ac-ft of storage in the Halls Bayou watershed. Inlcudes a half mile of channel improvements to P118-00-00.	06000001, 06000011, 06000012, 06000015	Harris
063000472	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	This project includes the design and construciton of three detention basins (226 ac-ft) along South Mayde Creek (U101-00-00).	06000001, 06000011, 06000012, 06000015	Harris, Waller
063000473	Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	This project includes three regional detention pond cells along Langham Creek within the Addicks Reservoir waterhsed to mitigate peak discharges expected with new development in the area.	06000001, 06000011, 06000012, 06000015	Harris
063000474	Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)	The proposed project includes channel improvements and inline detention from Cullen Boulevard to Pearland Parkway along with additional offline detention basins to mitigate for impacts from additional conveyance in the mainstem of Clear Creek.	06000001, 06000011, 06000012, 06000015	Harris, Fort Bend, Brazoria, Galveston
063000475	Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	This project provides for design and construction of a 311 ac-ft dry-bottom detention basin and 20-ft of channel improvements to P118-21-00.	06000001, 06000011, 06000012, 06000015	Harris

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	HUC12s	Watersheds	Project Type	Project Area (sqmi)
063000434	Houston Kashmere Gardens Area Flood Mitigation	120401040703, 120401040604, 120401040606, 120401040304, 120401040701	06000095, 06000090, 06000092, 06000081, 06000093	Infrastructure	30.87
063000453	Rivershire West - Grand Lake Creek Watershed	120401010207, 120401010401	06000011, 06000020	Channel	1.66
063000468	Houston Sunnyside Area Flood Mitigation	120401040402, 120401040502, 120401040501, 120402040100	06000084, 06000086, 06000085, 06000106	Infrastructure	23.57
063000469	Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)	120401040604	06000090	Detention Pond	51.95
063000470	Halls Bayou Drainage Project Bond C-01	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091, 06000087, 06000079, 06000090, 06000092, 06000081, 06000089, 06000093	Comprehensive	52.32
063000471	Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	120401040604	06000090	Comprehensive	51.95
063000472	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	120401040203	06000077	Detention Pond	44.83
063000473	Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	120401040201	06000077	Detention Pond	54.98
063000474	Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)	120401040501, 120401040502, 120401040703, 120402040100, 120402040200, 120402040400	06000095, 06000086, 06000085, 06000107, 06000109, 06000106	Comprehensive	200.95
063000475	Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	120401040604	06000090	Comprehensive	51.95

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
063000434	Houston Kashmere Gardens Area Flood Mitigation	Urban/Local	City of Houston	Houston, Harris County Flood Control District (HCFCD), Harris County	No
063000453	Rivershire West - Grand Lake Creek Watershed	Riverine, Urban/Local	City of Conroe	Montgomery County, Conroe	No
063000468	Houston Sunnyside Area Flood Mitigation	Urban/Local	City of Houston	Houston, Harris County Flood Control District (HCFCD), Harris County	No
063000469	Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District (HCFCD), Harris County	No
063000470	Halls Bayou Drainage Project Bond C-01	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District (HCFCD), Harris County	No
063000471	Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District (HCFCD), Harris County	No
063000472	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District (HCFCD), Harris County	No
063000473	Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County Flood Control District (HCFCD), Harris County	No
063000474	Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Brazoria County, Galveston County, Fort Bend County, Harris County, Nassau Bay, Missouri City, Pearland, Clear Lake Shores, Friendswood, Bellaire, Houston, El Lago, Manvel, Alvin, Brookside Village, La Marque, Webster, Pasadena, Kemah, Seabrook, Shoreacres, Taylor Lake Village, San Jacinto Region Boundary	No
063000475	Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District (HCFCD), Harris County	No

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Flood		
				Area in 100-year (1% annual chance) floodplain	Area in 500-year (0.2% annual chance) floodplain	Estimated number of structures at 100-year flood risk
063000434	Houston Kashmere Gardens Area Flood Mitigation	$ 94,880,000.00		0.56		1,221.00
063000453	Rivershire West - Grand Lake Creek Watershed	$ 30,000,000.00		1.18	0.00	690.00
063000468	Houston Sunnyside Area Flood Mitigation	$ 111,282,000.00		3.89		7,876.00
063000469	Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)	$ 35,250,000.00		10.82	4.08	13,748.00
063000470	Halls Bayou Drainage Project Bond C-01	$ 22,386,000.00		0.29	0.08	677.00
063000471	Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	$ 38,230,000.00		1.02	0.82	886.00
063000472	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	$ 11,440,000.00		6.48	2.87	2,339.00
063000473	Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	$ 2,553,000.00		0.11	0.00	54.00
063000474	Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)	$ 295,268,000.00		40.35	16.65	18,615.00
063000475	Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	$ 40,780,000.00		0.24	0.26	642.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Risk				Fl
FMP ID	FMP Name	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical Facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)
063000434	Houston Kashmere Gardens Area Flood Mitigation	1,135.00	2,985.00	5.00	0.00	0.00
063000453	Rivershire West - Grand Lake Creek Watershed	561.00	1,890.00	10.00	0.00	0.00
063000468	Houston Sunnyside Area Flood Mitigation	7,293.00	22,844.00	97.00	0.00	0.00
063000469	Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)	11,375.00	6,243.00	91.00	7.00	7.00
063000470	Halls Bayou Drainage Project Bond C-01	569.00	1,593.00	0.00	3.00	3.00
063000471	Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	835.00	4.00	13.00	0.00	0.00
063000472	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	2,204.00	8,067.00	43.00	0.00	0.00
063000473	Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	49.00	356.00	0.00	0.00	0.00
063000474	Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)	16,131.00	57,612.00	144.00	5.00	5.00
063000475	Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	503.00	1,750.00	0.00	0.00	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		ood Risk		Reduction in Flood Risk	
FMP ID	FMP Name	Estimated length of roads at 100-year flood risk (miles)	Estimated farm & ranch land at 100-year flood risk (acres)	Number of structures with reduced 100-year (1% annual chance) flood risk	Number of structures removed from 100-year (1% annual chance) flood risk
063000434	Houston Kashmere Gardens Area Flood Mitigation	20.60	0.00	238.00	457.00
063000453	Rivershire West - Grand Lake Creek Watershed	10.61	0.00	415.00	100.00
063000468	Houston Sunnyside Area Flood Mitigation	104.72	0.04	2,704.00	1,410.00
063000469	Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)	127.03	0.00	3,731.00	292.00
063000470	Halls Bayou Drainage Project Bond C-01	2.63	0.00	0.00	677.00
063000471	Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	11.11	0.00	276.00	76.00
063000472	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	48.68	0.00	928.00	59.00
063000473	Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	1.33	0.00	22.00	5.00
063000474	Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)	445.83	0.00	8,990.00	770.00
063000475	Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	6.79	0.01	48.00	4.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of structures removed from 500-year (0.2% annual chance) flood risk	Residential structures removed from 100-year (1% annual chance) flood risk	Estimated population removed from 100-year (1% annual chance) flood risk	Critical facilities removed from 100-year (1% annual chance) flood risk (#)
063000434	Houston Kashmere Gardens Area Flood Mitigation	0.00	370.00	1,494.00	1.00
063000453	Rivershire West - Grand Lake Creek Watershed	0.00	92.00	566.00	1.00
063000468	Houston Sunnyside Area Flood Mitigation	0.00	1,273.00	4,760.00	20.00
063000469	Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)	176.00	231.00	1,037.00	1.00
063000470	Halls Bayou Drainage Project Bond C-01	149.00	568.00	0.00	0.00
063000471	Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	125.00	28.00	319.00	0.00
063000472	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	2,002.00	59.00	194.00	0.00
063000473	Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	0.00	5.00	0.00	0.00
063000474	Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)	1,418.00	722.00	0.00	0.00
063000475	Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	7.00	4.00	0.00	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of low water crossings removed from 100-year (1% Annual chance) flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (miles)	Estimated farm & ranch land removed from 100-year flood risk (acres)
063000434	Houston Kashmere Gardens Area Flood Mitigation	0.00	0.00	0.00	0.00
063000453	Rivershire West - Grand Lake Creek Watershed	0.00	0.00	2.00	0.00
063000468	Houston Sunnyside Area Flood Mitigation	0.00	0.00	9.00	0.04
063000469	Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)	0.00	0.00	6.00	0.00
063000470	Halls Bayou Drainage Project Bond C-01	1.00	1.00	3.00	0.00
063000471	Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	0.00	0.00	1.00	0.00
063000472	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	0.00	0.00	0.00	0.00
063000473	Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	0.00	0.00	0.00	0.00
063000474	Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)	0.00	0.00	0.00	0.00
063000475	Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	0.00	0.00	0.00	0.01

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if applicable)	Pre-Project Level of Service	Post-Project Level of Service	Cost/Structure removed	Percent Nature-Based Solution (by cost)
063000434	Houston Kashmere Gardens Area Flood Mitigation			Unknown	Unknown	207614.88	0.00
063000453	Rivershire West - Grand Lake Creek Watershed			Unknown	Unknown	300000.00	0.00
063000468	Houston Sunnyside Area Flood Mitigation			Unknown	Unknown	78923.41	0.00
063000469	Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)			Unknown	Unknown	120719.18	0.00
063000470	Halls Bayou Drainage Project Bond C-01			Unknown	Unknown	33066.47	0.00
063000471	Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)			Unknown	Unknown	503026.31	0.00
063000472	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)			Unknown	Unknown	193898.31	0.00
063000473	Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)			Unknown	Unknown	510600.00	0.00
063000474	Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)			Unknown	Unknown	383464.94	0.00
063000475	Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)			Unknown	Unknown	10195000.00	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	BCR
063000434	Houston Kashmere Gardens Area Flood Mitigation	No	No	0.89	No		1.09
063000453	Rivershire West - Grand Lake Creek Watershed	No	No	0.36	No		0.11
063000468	Houston Sunnyside Area Flood Mitigation	No	No	0.81	No		1.20
063000469	Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)	No	No	0.78	No		0.49
063000470	Halls Bayou Drainage Project Bond C-01	No	No	0.75	No		2.32
063000471	Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	No	No	0.87	No		0.18
063000472	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	No	No	0.26	No		0.18
063000473	Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	No	No	0.19	No		0.05
063000474	Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)	No	No	0.34	No		0.54
063000475	Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	No	No	0.79	No		0.21

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties
063000476	Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)	Provides for design and construction of two detention basins in the Cypress Creek watershed, including a new 4,756 ac-ft detention basin and an expansion of an existing HCFCD detention basin along K500-01-00 from 531 ac-ft to 9,336 ac-ft of storage.	06000001, 06000011, 06000012, 06000015	Harris
063000477	P118-E006 (Hardy West) (2018 Bond Project C-41)	Proposal of the Hardy West Detention Basin (P118-00-00-E006). Project consists of 2 basins providing 400 acre-ft of detention volume adjacent to Halls Bayou and separated by P118-25-00.	06000001, 06000011, 06000012, 06000015	Harris
063000480	Kilgore Regional Detention Atlas 14 Upgrade	Improve the existing system of the Kilgore Regional Detention project to confine flows from the Atlas-14 100-year event. Detention Ponds and channel improvements are included as part of the project's scope.	06000001,06000015	Chambers
063000481	Staples Drive Improvements	Install a trunkline at Staples Drive for alleviating flooding in the neighborhood. Channel improvements are to be completed downstream of the trunkline along Horsepen Bayou to eliminate impacts.	06000001,06000015	Chambers
063000482	Saw Pit Gully Crossing Improvements	Upgrade the culvert crossing at FM 1405 as well as select crossings downstream along Saw Pit Gully. Channel improvements are to be completed alongside the upgrades to eliminate impacts.	06000001,06000015	Chambers
063000483	Smith Gully and Barbers Hill Ditch	Channel improvements for 100-year capacity in Smith Gully and Barbers Hill Ditch.	06000001,06000003,06000004,06000015	Chambers

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	HUC12s	Watersheds	Project Type	Project Area (sqmi)
063000476	Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)	120401020104	06000029	Detention Pond	274.06
063000477	P118-E006 (Hardy West) (2018 Bond Project C-41)	120401040604, 120401040304, 120401040603, 120401040701	06000090, 06000081, 06000089, 06000093	Detention Pond	51.95
063000480	Kilgore Regional Detention Atlas 14 Upgrade	120402030106	06000104	Comprehensive	1.59
063000481	Staples Drive Improvements	120402030106	06000104	Comprehensive	0.09
063000482	Saw Pit Gully Crossing Improvements	120402030106	06000104	Comprehensive	1.15
063000483	Smith Gully and Barbers Hill Ditch	120302030304, 120402030105, 120402030104	06000103, 06000102	Channel	68.74

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
063000476	Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District (HCFCD), Harris County	No
063000477	P118-E006 (Hardy West) (2018 Bond Project C-41)	Riverine	Harris County Flood Control District (HCFCD)	Harris County	No
063000480	Kilgore Regional Detention Atlas 14 Upgrade	Riverine	Chambers County	Chambers, Baytown, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Houston-Galveston Area Council, Chambers County Improvement District 3, Chambers County MUD 1, Coastal Water Authority, Baytown Area Water Authority, Trinity River Authority of Texas, Gulf Coast Protection District, Chambers County Improvement District 2	No
063000481	Staples Drive Improvements	Urban/Local	Chambers County	Chambers, Baytown, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Houston-Galveston Area Council, Chambers County Improvement District 3, Chambers County MUD 1, Coastal Water Authority, Baytown Area Water Authority, Trinity River Authority of Texas, Gulf Coast Protection District, Chambers County Improvement District 2	No
063000482	Saw Pit Gully Crossing Improvements	Riverine	Chambers County	Chambers, Baytown, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Houston-Galveston Area Council, Chambers County Improvement District 3, Chambers County MUD 1, Coastal Water Authority, Baytown Area Water Authority, Trinity River Authority of Texas, Gulf Coast Protection District, Chambers County Improvement District 2	No
063000483	Smith Gully and Barbers Hill Ditch	Riverine	Chambers County	Chambers, Mont Belvieu, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Houston-Galveston Area Council, Coastal Water Authority, Baytown Area Water Authority, Trinity River Authority of Texas, Gulf Coast Protection District	No

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

				Flood		
FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Area in 100-year (1% annual chance) floodplain	Area in 500-year (0.2% annual chance) floodplain	Estimated number of structures at 100-year flood risk
063000476	Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)	$ 345,330,000.00				18,530.00
063000477	P118-E006 (Hardy West) (2018 Bond Project C-41)	$ 32,053,000.00		2.73	0.74	3,665.00
063000480	Kilgore Regional Detention Atlas 14 Upgrade	$ 157,246,000.00		0.59	0.37	16.00
063000481	Staples Drive Improvements	$ 4,878,000.00		0.08	0.01	132.00
063000482	Saw Pit Gully Crossing Improvements	$ 10,904,000.00		0.52	0.21	77.00
063000483	Smith Gully and Barbers Hill Ditch	$ 49,467,000.00		38.03	0.00	1,544.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Risk				Fl
FMP ID	FMP Name	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical Facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)
063000476	Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)	16,070.00	36,147.00	144.00	4.00	4.00
063000477	P118-E006 (Hardy West) (2018 Bond Project C-41)	2,679.00	9,997.00	3.00	1.00	1.00
063000480	Kilgore Regional Detention Atlas 14 Upgrade	16.00	48.00	0.00	0.00	0.00
063000481	Staples Drive Improvements	120.00	360.00	0.00	0.00	0.00
063000482	Saw Pit Gully Crossing Improvements	57.00	171.00	0.00	0.00	0.00
063000483	Smith Gully and Barbers Hill Ditch	768.00	2,274.00	154.00	1.00	1.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		ood Risk		Reduction in Flood Risk	
FMP ID	FMP Name	Estimated length of roads at 100-year flood risk (miles)	Estimated farm & ranch land at 100-year flood risk (acres)	Number of structures with reduced 100-year (1% annual chance) flood risk	Number of structures removed from 100-year (1% annual chance) flood risk
063000476	Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)	447.64	0.00	6,382.00	1,488.00
063000477	P118-E006 (Hardy West) (2018 Bond Project C-41)	22.99	0.00	737.00	61.00
063000480	Kilgore Regional Detention Atlas 14 Upgrade	0.39	11.39	0.00	16.00
063000481	Staples Drive Improvements	0.33	0.59	66.00	19.00
063000482	Saw Pit Gully Crossing Improvements	1.23	5.76	42.00	28.00
063000483	Smith Gully and Barbers Hill Ditch	20.71	3,986.94	166.00	30.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of structures removed from 500-year (0.2% annual chance) flood risk	Residential structures removed from 100-year (1% annual chance) flood risk	Estimated population removed from 100-year (1% annual chance) flood risk	Critical facilities removed from 100-year (1% annual chance) flood risk (#)
063000476	Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)	2,098.00	1,304.00	7,070.00	10.00
063000477	P118-E006 (Hardy West) (2018 Bond Project C-41)	0.00	36.00	121.00	0.00
063000480	Kilgore Regional Detention Atlas 14 Upgrade	91.00	16.00	48.00	0.00
063000481	Staples Drive Improvements	6.00	16.00	48.00	0.00
063000482	Saw Pit Gully Crossing Improvements	6.00	24.00	72.00	0.00
063000483	Smith Gully and Barbers Hill Ditch	0.00	10.00	33.00	4.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

		Reduction in Flood Risk			
FMP ID	FMP Name	Number of low water crossings removed from 100-year (1% Annual chance) flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (miles)	Estimated farm & ranch land removed from 100-year flood risk (acres)
063000476	Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)	0.00	0.00	22.00	0.00
063000477	P118-E006 (Hardy West) (2018 Bond Project C-41)	0.00	0.00	1.00	0.00
063000480	Kilgore Regional Detention Atlas 14 Upgrade	0.00	0.00	0.00	8.30
063000481	Staples Drive Improvements	0.00	0.00	0.00	0.16
063000482	Saw Pit Gully Crossing Improvements	0.00	0.00	0.00	1.21
063000483	Smith Gully and Barbers Hill Ditch	1.00	1.00	1.00	12.35

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if applicable)	Pre-Project Level of Service	Post-Project Level of Service	Cost/Structure removed	Percent Nature-Based Solution (by cost)
063000476	Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)			Unknown	Unknown	232076.63	0.00
063000477	P118-E006 (Hardy West) (2018 Bond Project C-41)			Unknown	Unknown	525459.00	0.00
063000480	Kilgore Regional Detention Atlas 14 Upgrade			10-Year	100-Year	157246000.00	0.00
063000481	Staples Drive Improvements			2-Year	10-Year	1219500.00	0.00
063000482	Saw Pit Gully Crossing Improvements			2-Year	100-Year	605777.75	0.00
063000483	Smith Gully and Barbers Hill Ditch			2-Year	100-Year	9893400.00	0.00

Appendix 4-5: Table 13 - Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	BCR
063000476	Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)	No	No	0.24	No		0.39
063000477	P118-E006 (Hardy West) (2018 Bond Project C-41)	No	No	0.72	No		0.38
063000480	Kilgore Regional Detention Atlas 14 Upgrade	No	No	0.19	No		0.02
063000481	Staples Drive Improvements	No	No	0.19	No		5.26
063000482	Saw Pit Gully Crossing Improvements	No	No	0.19	No		0.37
063000483	Smith Gully and Barbers Hill Ditch	No	No	0.54	No		0.05

Appendix 4-6:

Table 14- Potential FMSs

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC10s	Watersheds
062000001	City of Bellaire Roadway and Drainage Improvements	Perform engineering services in support of the local drainage asset management planning, to repair or reconstruct antiquated local drainage and associated road infrastructure. Including design of storm sewers, roadways, and overland storage/conveyance.	06000001, 06000015	Harris	120401040402, 120401040401	06000084, 06000083
062000002	City of Bellaire Non-Structural Flood Risk Reduction Strategies	Conduct planning and outreach efforts to identify residents interested in buy-out, home elevation, or flood proofing programs, and develop plans or grant applications to support interested parties.	06000001, 06000015	Harris	120401040402, 120401040401	06000084, 06000083
062000003	City of Bellaire Drainage Requirements and Flood Damage Prevention Ordinance	Develop updates to Bellaire's residential and non-residential drainage requirements and the City's flood damage prevention ordinance, in alignment with Bellaire's broader flood risk management goals and objectives.	06000001, 06000015	Harris	120401040402, 120401040401	06000084, 06000083
062000004	City of Bellaire Surrounding Area Drainage Improvements	Partner with surrounding municipalities/governmental agencies to identify drainage improvements (conveyance or detention) which could minimize extreme event sheet flow entering into Bellaire.	06000001, 06000015	Harris	120401040402, 120401040401	06000084, 06000083
062000005	City of Bellaire Floodwater Public Awareness Initiatives	Periodically distribute messages to residents warning of dangers of walking or playing in floodwaters. Develop a plan with local schools to educate children to avoid walking, playing, or riding bicycles in floodwaters.	06000001, 06000005, 06000006, 06000010, 06000015	Harris	120401040402, 120401040401	06000084, 06000083
062000006	City of Bunker Hill Community Outreach	Community Outreach (flooded street identification, marking and signage)	06000001, 06000005, 06000006, 06000010, 06000015	Harris	120401040303	06000080
062000007	City of Bunker Hill Dam/Levee Maintenance and Monitoring Plan	Minimize the risk of dam/levee failure and related damage to existing and proposed structures by monitoring the maintenance and inspection schedules.	06000001, 06000015	Harris	120401040303	06000080
062000008	Harris County Hazard Mitigation Action AW-3	Utilizing the existing public outreach capability to develop, deploy, and disseminate targeted outreach projects promoting risk communication, mitigation and resilience to all the hazards of concern.	06000001, 06000005, 06000006, 06000010, 06000015	Harris	99999	99999
062000009	Harris County Hazard Mitigation Action AW-4	Strive to capture time-sensitive data such as high-water marks, extent and location of hazard, and loss information to support future updates to risk assessments as well as other plans and programs that utilize hazard extent data.	06000001, 06000010, 06000015	Harris	99999	99999

FMS ID	FMS Name	Strategy Type	Strategy Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Strategy Cost ($)	Potential Funding Sources and Amount
062000001	City of Bellaire Roadway and Drainage Improvements	Other	3.58	Urban/Local	City of Bellaire	Harris, Bellaire, Harris County Flood Control District	N	$ 3,000,000.00	Bonds/Other Financing (25%)
062000002	City of Bellaire Non-Structural Flood Risk Reduction Strategies	Other	3.58	Urban/Local	City of Bellaire	Harris, Bellaire	N	$ 50,000.00	Other (25%)
062000003	City of Bellaire Drainage Requirements and Flood Damage Prevention Ordinance	Other	3.58	Urban/Local	City of Bellaire	Harris, Harris County Flood Control District, Bellaire	N	$ 50,000.00	General Revenue (25%)
062000004	City of Bellaire Surrounding Area Drainage Improvements	Other	3.58	Urban/Local	City of Bellaire	Harris, Harris County Flood Control District, Bellaire	N	$ 100,000.00	General Revenue (25%)
062000005	City of Bellaire Floodwater Public Awareness Initiatives	Education and Outreach	3.58	Urban/Local	City of Bellaire	Bellaire	N	$ 50,000.00	General Revenue (25%)
062000006	City of Bunker Hill Community Outreach	Education and Outreach	1.44	Urban/Local	City of Bunker Hill Village	Harris, Harris County Flood Control District, Bunker Hill Village	N	$ 100,000.00	
062000007	City of Bunker Hill Dam/Levee Maintenance and Monitoring Plan	Other	1.44	Riverine, Urban/Local	City of Bunker Hill Village	Harris, Harris County Flood Control District, Houston, Bunker Hill Village	N	$ 500,000.00	
062000008	Harris County Hazard Mitigation Action AW-3	Education and Outreach	1,770.82	Riverine, Urban/Local	Harris County	Harris	N	$ 100,000.00	
062000009	Harris County Hazard Mitigation Action AW-4	Flood Measurement and Warning	1,770.82	Riverine, Urban/Local	Harris County	Harris	N	$ 300,000.00	

Appendix 4-6: Table 14 - Potentially Feasible Flood Mitigation Strategies Identified by RFPG

		Flood Risk									
FMS ID	FMS Name	Area in 100-year (1% annual chance) floodplain	Area in 500-year (0.2% annual chance) floodplain	Estimated number of structures at 100-year flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical Facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)
062000001	City of Bellaire Roadway and Drainage Improvements	2.96	0.54	5,879	5,539	25,741	71	0	0	71.00	0.15
062000002	City of Bellaire Non-Structural Flood Risk Reduction Strategies	2.96	0.54	5,879	5,539	25,741	71	0	0	71.00	0.15
062000003	City of Bellaire Drainage Requirements and Flood Damage Prevention Ordinance	2.96	0.54	5,879	5,539	25,741	71	0	0	71.00	0.15
062000004	City of Bellaire Surrounding Area Drainage Improvements	2.96	0.54	5,879	5,539	25,741	71	0	0	71.00	0.15
062000005	City of Bellaire Floodwater Public Awareness Initiatives	2.96	0.54	5,879	5,539	25,741	71	0	0	71.00	0.15
062000006	City of Bunker Hill Community Outreach	0.00	0.00	0	0	0	0	0	0	0.00	0.00
062000007	City of Bunker Hill Dam/Levee Maintenance and Monitoring Plan	0.00	0.00	0	0	0	0	0	0	0.00	0.00
062000008	Harris County Hazard Mitigation Action AW-3	444.51	200.09	143,642	120,807	590,954	2,332	89	89	2,408.00	5,993.47
062000009	Harris County Hazard Mitigation Action AW-4	444.51	200.09	143,642	120,807	590,954	2,332	89	89	2,408.00	5,993.47

		Reduction in Flood Risk											
FMS ID	FMS Name	Number of structures with reduced 100-year (1% annual chance) flood risk	Number of structures removed from 100-year (1% annual chance) flood risk	Number of structures removed from 500-year (0.2% annual chance) flood risk	Habitable structures removed from 100-year (1% annual chance) flood risk	Estimated population removed from 100-year (1% annual chance) flood risk	Critical facilities removed from 100-year (1% annual chance) flood risk (#)	Number of low water crossings removed from 100-year (1% Annual chance) flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (miles)	Estimated active farm & ranch land removed from 100-year flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)
062000001	City of Bellaire Roadway and Drainage Improvements	0	0	0	0	0	0	0	0	0	0	0	0
062000002	City of Bellaire Non-Structural Flood Risk Reduction Strategies	0	0	0	0	0	0	0	0	0	0	0	0
062000003	City of Bellaire Drainage Requirements and Flood Damage Prevention Ordinance	0	0	0	0	0	0	0	0	0	0	0	0
062000004	City of Bellaire Surrounding Area Drainage Improvements	0	0	0	0	0	0	0	0	0	0	0	0
062000005	City of Bellaire Floodwater Public Awareness Initiatives	0	0	0	0	0	0	0	0	0	0	0	0
062000006	City of Bunker Hill Community Outreach	0	0	0	0	0	0	0	0	0	0	0	0
062000007	City of Bunker Hill Dam/Levee Maintenance and Monitoring Plan	0	0	0	0	0	0	0	0	0	0	0	0
062000008	Harris County Hazard Mitigation Action AW-3	0	0	0	0	0	0	0	0	0	0	0	0
062000009	Harris County Hazard Mitigation Action AW-4	0	0	0	0	0	0	0	0	0	0	0	0

FMS ID	FMS Name	Cost/Structure removed	Consideration of Nature-Based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
062000001	City of Bellaire Roadway and Drainage Improvements	0	N	N	N	N
062000002	City of Bellaire Non-Structural Flood Risk Reduction Strategies	0	N	N	N	N
062000003	City of Bellaire Drainage Requirements and Flood Damage Prevention Ordinance	0	N	N	N	N
062000004	City of Bellaire Surrounding Area Drainage Improvements	0	N	N	N	N
062000005	City of Bellaire Floodwater Public Awareness Initiatives	0	N	N	N	N
062000006	City of Bunker Hill Community Outreach	0	N	N	N	N
062000007	City of Bunker Hill Dam/Levee Maintenance and Monitoring Plan	0	N	N	N	N
062000008	Harris County Hazard Mitigation Action AW-3	0	N	N	N	N
062000009	Harris County Hazard Mitigation Action AW-4	0	N	N	N	N

Appendix 4-6: Table 14 - Potentially Feasible Flood Mitigation Strategies Identified by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC10s	Watersheds
062000010	Harris County Hazard Mitigation Action AW-5	Continue to develop, improve, and implement an enhanced mass public warning and alert system within the Harris County Joint Information Center to provide warning capability throughout Harris County to support the emergency management of all hazards.	06000001, 06000010, 06000015	Harris	99999	99999
062000011	Harris County Hazard Mitigation Action AW-6	Utilize viable and relevant information, data and tools (Hazus models) developed as part of the update to the risk assessment of this plan update to support training and exercise of the County's preparedness, response and recovery programs.	06000001, 06000010, 06000015	Harris	99999	99999
062000012	City of Alvin CRS Application	Apply and once accepted maintain and/or improve CRS status. Cost is time, data and preparation of a CRS application. Benefit, if approved homeowner with flood insurance could receive a discount based on the City's CRS score.	06000001, 06000015	Brazoria	120402040200, 120402040400, 120402040100	06000107, 06000109, 06000106
062000013	Brazoria County Increased Cost of Compliance Education	Implement campaign on public education of ICC (Increased Cost of Compliance) coverage.	06000001, 06000005, 06000006, 06000010, 06000015	Brazoria	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000107, 06000109, 06000106
062000014	City of Galveston NFIP CRS Rating	Maintain membership of the NFIP's CRS	06000001, 06000015	Galveston	120402040300, 120402040200, 120402040400, 120402040500	06000108, 06000107, 06000109, 06000110
062000015	Develop Applicable Plans and Studies to Address Hazard Mitigation in Galveston County	Review planning needs annually to include, but not be limited to, CEMP, debris management, stormwater management, master plan, drainage, drought, GIS mapping, complete study to locate areas prone to expansive soils and land subsidence, etc.	06000001, 06000007, 06000015	Galveston	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000107, 06000109, 06000106
062000016	Waller County Elevation Certificate Requirement	Require and maintain FEMA elevation certificates for all new/improved building in the SFHA. Finished construction Ecs must be submitted prior to OSSF permitting.	06000001, 06000007, 06000010, 06000015	Waller	120401010104, 120401010101, 120401010102, 120401010103, 120401010201, 120401010202, 120401010203, 120401010204, 120401030101, 120401030106, 120401030303, 120401030305, 120401030301, 120401030302	06000004, 06000001, 06000002, 06000003, 06000005, 06000006, 06000007, 06000008, 06000046, 06000051, 06000063, 06000065, 06000061, 06000062
062000017	Develop Program to Optimize Operation of the Flood Gates at Second Cut Outlet in City of Kemah	Develop program to integrate with the Harris County Flood Control District for the purpose of optimizing the operation of the flood gates at second cut outlet.	06000001, 06000007, 06000010, 06000015	Galveston	120402040200, 120402040100	06000107, 06000106
062000018	Galveston County-wide Education and Outreach	Provide educational information related to preparedness, mitigation, response, and recovery to the public.	06000001, 06000005, 06000006, 06000010, 06000015	Galveston, Harris	120402040300, 120402040200, 120402040400, 120402040100	06000107, 06000109, 06000106
062000019	Public Information and Awareness in City of New Waverly	Rewrite, improve, and implement new local floodplain regulations, to include a public information campaign on regulatory awareness.	06000001, 06000005, 06000006, 06000010, 06000015	Walker	120401030101	06000046

Appendix 4-6: Table 14 - Potentially Feasible Flood Mitigation Strategies Identified by RFPG

FMS ID	FMS Name	Strategy Type	Strategy Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Strategy Cost ($)	Potential Funding Sources and Amount
062000010	Harris County Hazard Mitigation Action AW-5	Flood Measurement and Warning	1,770.82	Riverine, Urban/Local	Harris County	Harris	N	$ 100,000.00	
062000011	Harris County Hazard Mitigation Action AW-6	Flood Measurement and Warning	1,770.82	Riverine, Urban/Local	Harris County	Harris	N	$ 500,000.00	
062000012	City of Alvin CRS Application	Other	15.74	Riverine, Urban/Local	City of Alvin	Brazoria, Alvin	N	$ 25,000.00	Entity Budget/Funds (100%)
062000013	Brazoria County Increased Cost of Compliance Education	Education and Outreach	1,481.63	Riverine, Coastal, Urban/Local	Brazoria County	Brazoria	N	$ 20,000.00	
062000014	City of Galveston NFIP CRS Rating	Other	53.42	Riverine, Coastal, Urban/Local	City of Galveston	Galveston	N	$ 10,000.00	
062000015	Develop Applicable Plans and Studies to Address Hazard Mitigation in Galveston County	Regulatory and Guidance	665.15	Riverine, Coastal, Urban/Local	Galveston County	Galveston	N	$ 100,000.00	
062000016	Waller County Elevation Certificate Requirement	Regulatory and Guidance	797.91	Riverine, Urban/Local	Waller County	Waller, Waller, Hempstead, Brooksire, Brookshire Katy Drainage District, Katy	N	$ 50,000.00	General Revenue (50%)
062000017	Develop Program to Optimize Operation of the Flood Gates at Second Cut Outlet in City of Kemah	Regulatory and Guidance	1.88	Riverine, Coastal, Urban/Local	City of Kemah	Galveston, Harris County Flood Control District, Kemah	N	$ 100,000.00	
062000018	Galveston County-wide Education and Outreach	Education and Outreach	664.96	Riverine, Coastal, Urban/Local	Galveston County	Galveston	N	$ 50,000.00	
062000019	Public Information and Awareness in City of New Waverly	Education and Outreach	2.21	Urban/Local	City of New Waverly	Walker, New Waverly	N	$ 10,000.00	

Appendix 4-6: Table 14 - Potentially Feasible Flood Mitigation Strategies Identified by RFPG

FMS ID	FMS Name	Area in 100-year (1% annual chance) floodplain	Area in 500-year (0.2% annual chance) floodplain	Estimated number of structures at 100-year flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical Facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)
062000010	Harris County Hazard Mitigation Action AW-5	444.51	200.09	143,642	120,807	590,954	2,332	89	89	2,408.00	5,993.47
062000011	Harris County Hazard Mitigation Action AW-6	444.51	200.09	143,642	120,807	590,954	2,332	89	89	2,408.00	5,993.47
062000012	City of Alvin CRS Application	7.53	0.63	3,428	2,588	15,209	18	0	0	52.00	176.13
062000013	Brazoria County Increased Cost of Compliance Education	178.90	46.42	18,845	14,341	38,623	248	0	0	328.00	8,576.76
062000014	City of Galveston NFIP CRS Rating	49.33	2.26	23,123	20,373	64,429	513	0	0	408.00	262.80
062000015	Develop Applicable Plans and Studies to Address Hazard Mitigation in Galveston County	307.84	87.01	48,566	42,184	102,742	680	30	30	910.00	3,412.44
062000016	Waller County Elevation Certificate Requirement	61.21	10.47	505	437	545	1	2	2	25.00	180.47
062000017	Develop Program to Optimize Operation of the Flood Gates at Second Cut Outlet in City of Kemah	0.64	0.96	560	425	2,792	7	0	0	13.00	0.59
062000018	Galveston County-wide Education and Outreach	307.73	87.02	48,564	42,182	102,735	680	30	30	910.00	3,414.69
062000019	Public Information and Awareness in City of New Waverly	0.29	0.08	23	18	19	0	0	0	0.00	0.90

Appendix 4-6: Table 14 - Potentially Feasible Flood Mitigation Strategies Identified by RFPG

FMS ID	FMS Name	Number of structures with reduced 100-year (1% annual chance) flood risk	Number of structures removed from 100-year (1% annual chance) flood risk	Number of structures removed from 500-year (0.2% annual chance) flood risk	Habitable structures removed from 100-year (1% annual chance) flood risk	Estimated population removed from 100-year (1% annual chance) flood risk	Critical facilities removed from 100-year (1% annual chance) flood risk (#)	Number of low water crossings removed from 100-year (1% Annual chance) flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (miles)	Estimated active farm & ranch land removed from 100-year flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)
062000010	Harris County Hazard Mitigation Action AW-5	0	0	0	0	0	0	0	0	0	0	0	0
062000011	Harris County Hazard Mitigation Action AW-6	0	0	0	0	0	0	0	0	0	0	0	0
062000012	City of Alvin CRS Application	0	0	0	0	0	0	0	0	0	0	0	0
062000013	Brazoria County Increased Cost of Compliance Education	0	0	0	0	0	0	0	0	0	0	0	0
062000014	City of Galveston NFIP CRS Rating	0	0	0	0	0	0	0	0	0	0	0	0
062000015	Develop Applicable Plans and Studies to Address Hazard Mitigation in Galveston County	0	0	0	0	0	0	0	0	0	0	0	0
062000016	Waller County Elevation Certificate Requirement	0	0	0	0	0	0	0	0	0	0	0	0
062000017	Develop Program to Optimize Operation of the Flood Gates at Second Cut Outlet in City of Kemah	0	0	0	0	0	0	0	0	0	0	0	0
062000018	Galveston County-wide Education and Outreach	0	0	0	0	0	0	0	0	0	0	0	0
062000019	Public Information and Awareness in City of New Waverly	0	0	0	0	0	0	0	0	0	0	0	0

Appendix 4-6: Table 14 - Potentially Feasible Flood Mitigation Strategies Identified by RFPG

FMS ID	FMS Name	Cost/Structure removed	Consideration of Nature-Based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
062000010	Harris County Hazard Mitigation Action AW-5	0	N	N	N	N
062000011	Harris County Hazard Mitigation Action AW-6	0	N	N	N	N
062000012	City of Alvin CRS Application	0	N	N	N	N
062000013	Brazoria County Increased Cost of Compliance Education	0	N	N	N	N
062000014	City of Galveston NFIP CRS Rating	0	N	N	N	N
062000015	Develop Applicable Plans and Studies to Address Hazard Mitigation in Galveston County	0	N	N	N	N
062000016	Waller County Elevation Certificate Requirement	0	N	N	N	N
062000017	Develop Program to Optimize Operation of the Flood Gates at Second Cut Outlet in City of Kemah	0	N	N	N	N
062000018	Galveston County-wide Education and Outreach	0	N	N	N	N
062000019	Public Information and Awareness in City of New Waverly	0	N	N	N	N

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC10s	Watersheds
062000020	Promotion of Flood Insurance in City of Arcola	Promote the purchase of flood insurance. Advertise the availability, cost, and coverage of flood insurance through the NFIP.	06000001, 06000005, 06000006, 06000010, 06000015	Fort Bend	120402040400	06000109
062000021	City of Todd Mission Public Outreach & Education	Provide educational information related to preparedness, mitigation, response, and recovery to the public.	06000001, 06000005, 06000006, 06000010, 06000015	Grimes	120401020203, 120401020206	06000035, 06000038
062000022	Increase Public Awareness of Hazards in City of Arcola	Increase public awareness of hazards and hazardous areas. Distribute public awareness information regarding flood hazards.	06000001, 06000005, 06000006, 06000010, 06000015	Fort Bend	120402040400	06000109
062000023	Expand Development of Emergency Notification System in Liberty County	Expand development of emergency notification system/work to establish public awareness of emergency notification process.	06000001, 06000005, 06000006, 06000010, 06000015	Liberty	120401030201, 120401030108, 120401030109, 120401030205, 120401030402, 120401030203, 120401030204, 120401030202, 120401030401, 120402030104, 120402030103, 120402030102, 120402030101	06000056, 06000053, 06000054, 06000060, 06000070, 06000058, 06000059, 06000057, 06000069, 06000102, 06000101, 06000100, 06000099
062000025	Galveston County Stormproof/Retrofit Infrastructure	Stormproof/retrofit critical facilities and infrastructure for county-owned properties and unincorporated areas.	06000001, 06000003, 06000004, 06000015	Galveston	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000107, 06000109, 06000106
062000026	Implement Stormwater Management Plan in City of Bayou Vista	Implement stormwater management plan to improve drainage during flood and other weather events.	06000001, 06000007, 06000015	Galveston	120402040200	06000107
062000027	Walker County Public Information and Awareness	Purchase high water (flood) indicators for low water river crossing for county roads.	06000001, 06000010, 06000015	Walker	120401010104, 120401010101, 120401010102, 120401010103, 120401010201, 120401010202, 120401010203, 120401010204, 120401030101, 120401030106, 120401030303, 120401030305, 120401030301, 120401030302	06000004, 06000001, 06000002, 06000003, 06000005, 06000006, 06000007, 06000008, 06000046, 06000051, 06000063, 06000065, 06000061, 06000062
062000028	City of Bayou Vista Severe Weather Warning Systems	Purchase and install severe weather warning systems	06000001, 06000010, 06000015	Galveston	120402040200	06000107
062000029	Natural Infrastructure Project Barker Reservoir Headwater Acquisition and Restoration	Purchase and restore agricultural & natural lands at the headwater of Barker Reservoir. Manage land for agricultural use, restore native landscape like grasslands and wetlands, and enhance management practices. Provides natural flood mitigation benefits.	06000001, 06000013, 06000014	Waller	120401020103, 120401040101	06000028, 06000071
062000030	Natural Infrastructure Project Mound Creek Conservation	Purchase conservation easement from landowner to permanently conserve as agricultural/natural areas. KPC to ensure land remains undeveloped agricultural land and maintain conservation. Would provide multiple benefits such as flood mitigation, and more.	06000001, 06000013, 06000014	Harris, Waller	120401020103, 120401020101	06000028, 06000026

FMS ID	FMS Name	Strategy Type	Strategy Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Strategy Cost ($)	Potential Funding Sources and Amount
062000020	Promotion of Flood Insurance in City of Arcola	Education and Outreach	2.60	Riverine, Urban/Local	City of Arcola	Fort Bend, Arcola	N	$ 50,000.00	
062000021	City of Todd Mission Public Outreach & Education	Education and Outreach	1.95	Riverine, Urban/Local	City of Todd Mission	Todd Mission	N	$ 20,000.00	
062000022	Increase Public Awareness of Hazards in City of Arcola	Education and Outreach	2.60	Riverine, Urban/Local	City of Arcola	Arcola	N	$ 50,000.00	
062000023	Expand Development of Emergency Notification System in Liberty County	Education and Outreach	1,169.77	Riverine, Urban/Local	Liberty County	Liberty	N	$ 10,000.00	
062000025	Galveston County Stormproof/Retrofit Infrastructure	Infrastructure Projects	665.24	Riverine, Coastal, Urban/Local	Galveston County	Galveston, Galveston	Y	$ 5,000,000.00	
062000026	Implement Stormwater Management Plan in City of Bayou Vista	Regulatory and Guidance	0.44	Riverine, Coastal, Urban/Local	City of Bayou Vista	Bayou Vista	N	$ 25,000.00	
062000027	Walker County Public Information and Awareness	Flood Measurement and Warning	797.69	Riverine, Urban/Local	Walker County	Walker	N	$ 122,720.00	
062000028	City of Bayou Vista Severe Weather Warning Systems	Flood Measurement and Warning	0.44	Riverine, Coastal, Urban/Local	City of Bayou Vista	Bayou Vista	N	$ 35,000.00	
062000029	Natural Infrastructure Project Barker Reservoir Headwater Acquisition and Restoration	Property Acquisition and Structural Elevation	1.76	Riverine, Urban/Local	Coastal Prairie Conservancy	Harris, Waller, Harris County Flood Control District	N	$ 33,000,000.00	
062000030	Natural Infrastructure Project Mound Creek Conservation	Property Acquisition and Structural Elevation	3.29	Riverine, Urban/Local	Coastal Prairie Conservancy	Harris, Waller, Harris County Flood Control District	N	$ 32,000,000.00	

Appendix 4-6: Table 14 - Potentially Feasible Flood Mitigation Strategies Identified by RFPG

FMS ID	FMS Name	Area in 100-year (1% annual chance) floodplain	Area in 500-year (0.2% annual chance) floodplain	Estimated number of structures at 100-year flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical Facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)
062000020	Promotion of Flood Insurance in City of Arcola	0.08	0.00	41	37	39	0	0	0	0.00	1.23
062000021	City of Todd Mission Public Outreach & Education	0.31	0.00	20	11	16	0	0	0	0.00	1.28
062000022	Increase Public Awareness of Hazards in City of Arcola	0.08	0.00	41	37	39	0	0	0	0.00	1.23
062000023	Expand Development of Emergency Notification System in Liberty County	84.49	27.97	3,617	2,271	3,575	8	7	7	144.00	1,379.38
062000025	Galveston County Stormproof/Retrofit Infrastructure	307.85	87.04	48,564	42,183	102,739	680	30	30	909.00	3,415.79
062000026	Implement Stormwater Management Plan in City of Bayou Vista	0.44	0.00	1,121	1,095	1,476	3	0	0	8.00	0.00
062000027	Walker County Public Information and Awareness	61.21	10.47	505	437	545	1	2	2	25.00	180.47
062000028	City of Bayou Vista Severe Weather Warning Systems	0.44	0.00	1,121	1,095	1,476	3	0	0	8.00	0.00
062000029	Natural Infrastructure Project Barker Reservoir Headwater Acquisition and Restoration	0.00	0.00	0	0	0	0	0	0	0.00	0.00
062000030	Natural Infrastructure Project Mound Creek Conservation	1.85	0.05	0	0	0	0	0	0	0.00	41.39

FMS ID	FMS Name	Number of structures with reduced 100-year (1% annual chance) flood risk	Number of structures removed from 100-year (1% annual chance) flood risk	Number of structures removed from 500-year (0.2% annual chance) flood risk	Habitable structures removed from 100-year (1% annual chance) flood risk	Estimated population removed from 100-year (1% annual chance) flood risk	Critical facilities removed from 100-year (1% annual chance) flood risk (#)	Number of low water crossings removed from 100-year (1% Annual chance) flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (miles)	Estimated active farm & ranch land removed from 100-year flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)
062000020	Promotion of Flood Insurance in City of Arcola	0	0	0	0	0	0	0	0	0	0	0	0
062000021	City of Todd Mission Public Outreach & Education	0	0	0	0	0	0	0	0	0	0	0	0
062000022	Increase Public Awareness of Hazards in City of Arcola	0	0	0	0	0	0	0	0	0	0	0	0
062000023	Expand Development of Emergency Notification System in Liberty County	0	0	0	0	0	0	0	0	0	0	0	0
062000025	Galveston County Stormproof/Retrofit Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
062000026	Implement Stormwater Management Plan in City of Bayou Vista	0	0	0	0	0	0	0	0	0	0	0	0
062000027	Walker County Public Information and Awareness	0	0	0	0	0	0	0	0	0	0	0	0
062000028	City of Bayou Vista Severe Weather Warning Systems	0	0	0	0	0	0	0	0	0	0	0	0
062000029	Natural Infrastructure Project Barker Reservoir Headwater Acquisition and Restoration	0	0	0	0	0	0	0	0	0	0	0	0
062000030	Natural Infrastructure Project Mound Creek Conservation	0	0	0	0	0	0	0	0	0	0	0	0

FMS ID	FMS Name	Cost/Structure removed	Consideration of Nature-Based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
062000020	Promotion of Flood Insurance in City of Arcola	0	N	N	N	N
062000021	City of Todd Mission Public Outreach & Education	0	N	N	N	N
062000022	Increase Public Awareness of Hazards in City of Arcola	0	N	N	N	N
062000023	Expand Development of Emergency Notification System in Liberty County	0	N	N	N	N
062000025	Galveston County Stormproof/Retrofit Infrastructure	0	N	N	N	N
062000026	Implement Stormwater Management Plan in City of Bayou Vista	0	N	N	N	N
062000027	Walker County Public Information and Awareness	0	N	N	N	N
062000028	City of Bayou Vista Severe Weather Warning Systems	0	N	N	N	N
062000029	Natural Infrastructure Project Barker Reservoir Headwater Acquisition and Restoration	0	N	N	N	N
062000030	Natural Infrastructure Project Mound Creek Conservation	0	N	N	N	N

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC10s	Watersheds
062000031	Brazoria County Structure Elevation	Elevate structures in flood zone. Over 70% of these structures are pre-firm and do not meet current FEMA elevation standards. FEMA estimates that over 400 structures may be substantially damaged and must be elevated to meet current standards	06000001, 06000015	Brazoria	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000107, 06000109, 06000106
062000032	Brazoria County Non-structural Mitigation / Land Preservation	Up to 35,0000 acres of land could be purchased to help reduce the impacts of natural hazards by converting the space to floodwater storage, groundwater recharge, erosion, drought mitigation, in the form of public green space.	06000001, 06000015	Brazoria	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000107, 06000109, 06000106
062000033	City of Bellaire Flood Rescue Plan	Develop a plan to address rescues from one-story homes and older two-story homes. Develop a plan to evacuate disabled/physically impaired/elderly individuals from homes in advance of anticipated high rainfall events. (Bellaire Fire Department)	06000001, 06000007, 06000010, 06000015	Harris	120401040402, 120401040401	06000084, 06000083
062000034	Brazoria County Dam and Levee Failure Outreach and Education campaign	Implement an outreach and education campaign to educate the public on mitigation techniques for dam and levee failure to reduce loss of life and property.	06000001, 06000005, 06000006, 06000010, 06000015	Brazoria	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000107, 06000109, 06000106
062000035	Amending Grimes County Floodplain Ordinance	Prohibit the building of any new structures located down-stream of high hazard dams by amending the floodplain ordinance.	06000001, 06000007, 06000015	Grimes	120401010101, 120401010301, 120401010302, 120401010303, 120401010103, 120401010304, 120401010305, 120401010306, 120401020202, 120401020203, 120401020207, 120401020206	06000001, 06000012, 06000013, 06000014, 06000003, 06000015, 06000016, 06000017, 06000034, 06000035, 06000039, 06000038
062000036	Grimes County Property Acquisition	Per NFIP participation, the acquisition of structures located in the 100-year flood plain and in dam inundation areas.	06000001, 06000015	Grimes	120401010101, 120401010301, 120401010302, 120401010303, 120401010103, 120401010304, 120401010305, 120401010306, 120401020202, 120401020203, 120401020207, 120401020206	06000012, 06000013, 06000014, 06000003, 06000015, 06000016, 06000017, 06000034, 06000035, 06000039, 06000038
062000037	Property Acquisition Down-Stream of High Hazard Dams in Grimes County	Acquire homes located down-stream of high hazard dams	06000001, 06000015	Grimes	120401010101, 120401010301, 120401010302, 120401010303, 120401010103, 120401010304, 120401010305, 120401010306, 120401020202, 120401020203, 120401020207, 120401020206	06000001, 06000012, 06000013, 06000014, 06000003, 06000015, 06000016, 06000017, 06000034, 06000035, 06000039, 06000038
062000038	Walker County Property Acquisition in Deep River Plantation Subdivision	Acquire flood loss properties and properties prone to flooding in the Deep River Plantation Subdivision.	06000001, 06000015	Walker	120401010104, 120401010101, 120401010102, 120401010103, 120401010201, 120401010202, 120401010203, 120401010204, 120401030101, 120401030106, 120401030303, 120401030305, 120401030301, 120401030302	06000004, 06000001, 06000002, 06000003, 06000005, 06000006, 06000007, 06000008, 06000046, 06000051, 06000063, 06000065, 06000061, 06000062
062000039	City of Santa Fe Stormproof/retrofit New Critical Infrastructure	New construction and existing critical facilities and infrastructure should include advanced mitigation techniques.	06000001, 06000007, 06000015	Galveston	120402040300, 120402040200	06000108, 06000107

FMS ID	FMS Name	Strategy Type	Strategy Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Strategy Cost ($)	Potential Funding Sources and Amount
062000031	Brazoria County Structure Elevation	Property Acquisition and Structural Elevation	1,481.87	Riverine, Urban/Local, Coastal	Brazoria County	Brazoria, Alvin, Iowa Colony, Pearland	Y	$ 60,000,000.00	
062000032	Brazoria County Non-structural Mitigation / Land Preservation	Property Acquisition and Structural Elevation	1,481.87	Riverine, Urban/Local, Coastal	Brazoria County	Brazoria, Alvin, Iowa Colony, Pearland	Y	$ 65,000,000.00	
062000033	City of Bellaire Flood Rescue Plan	Regulatory and Guidance	3.58	Riverine, Urban/Local	City of Bellaire	Bellaire	N	$ 200,000.00	General Revenue (25%)
062000034	Brazoria County Dam and Levee Failure Outreach and Education campaign	Education and Outreach	1,481.87	Riverine, Urban/Local, Coastal	Brazoria County	Brazoria, Alvin, Iowa Colony, Pearland	N	$ 20,000.00	
062000035	Amending Grimes County Floodplain Ordinance	Regulatory and Guidance	798.87	Riverine, Urban/Local	Grimes County	Grimes, Todd Mission	N	$ 20,000.00	
062000036	Grimes County Property Acquisition	Property Acquisition and Structural Elevation	798.87	Riverine, Urban/Local	Grimes County	Grimes, Todd Mission	Y	$ 95,000.00	
062000037	Property Acquisition Down-Stream of High Hazard Dams in Grimes County	Property Acquisition and Structural Elevation	798.87	Riverine, Urban/Local	Grimes County	Walker	Y	$ 1,000,000.00	
062000038	Walker County Property Acquisition in Deep River Plantation Subdivision	Property Acquisition and Structural Elevation	797.84	Riverine, Urban/Local	Walker County	Walker	Y	$ 2,475,000.00	
062000039	City of Santa Fe Stormproof/retrofit New Critical Infrastructure	Regulatory and Guidance	17.04	Riverine, Urban/Local	City of Santa Fe	Santa Fe	N	$ 5,000,000.00	

Appendix 4-6: Table 14 - Potentially Feasible Flood Mitigation Strategies Identified by RFPG

FMS ID	FMS Name	Area in 100-year (1% annual chance) floodplain	Area in 500-year (0.2% annual chance) floodplain	Estimated number of structures at 100-year flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical Facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)
062000031	Brazoria County Structure Elevation	179.06	46.51	18,848	14,344	38,626	248	0	0	328.00	8,584.16
062000032	Brazoria County Non-structural Mitigation / Land Preservation	179.06	46.51	18,848	14,344	38,626	248	0	0	328.00	8,584.16
062000033	City of Bellaire Flood Rescue Plan	2.96	0.54	5,879	5,539	25,741	71	0	0	71.00	0.15
062000034	Brazoria County Dam and Levee Failure Outreach and Education campaign	179.06	46.51	18,848	14,344	38,626	248	0	0	328.00	8,584.16
062000035	Amending Grimes County Floodplain Ordinance	24.84	3.89	145	76	95	0	1	1	11.00	151.27
062000036	Grimes County Property Acquisition	24.84	3.89	145	76	95	0	1	1	11.00	151.27
062000037	Property Acquisition Down-Stream of High Hazard Dams in Grimes County	24.84	3.89	145	76	95	0	1	1	11.00	151.27
062000038	Walker County Property Acquisition in Deep River Plantation Subdivision	61.21	10.47	505	437	545	1	2	2	25.00	180.46
062000039	City of Santa Fe Stormproof/retrofit New Critical Infrastructure	0.68	2.37	400	306	748	1	9	9	4.00	12.12

FMS ID	FMS Name	Number of structures with reduced 100-year (1% annual chance) flood risk	Number of structures removed from 100-year (1% annual chance) flood risk	Number of structures removed from 500-year (0.2% annual chance) flood risk	Habitable structures removed from 100-year (1% annual chance) flood risk	Estimated population removed from 100-year (1% annual chance) flood risk	Critical facilities removed from 100-year (1% annual chance) flood risk (#)	Number of low water crossings removed from 100-year (1% Annual chance) flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (miles)	Estimated active farm & ranch land removed from 100-year flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)
062000031	Brazoria County Structure Elevation	0	0	0	0	0	0	0	0	0	0	0	0
062000032	Brazoria County Non-structural Mitigation / Land Preservation	0	0	0	0	0	0	0	0	0	0	0	0
062000033	City of Bellaire Flood Rescue Plan	0	0	0	0	0	0	0	0	0	0	0	0
062000034	Brazoria County Dam and Levee Failure Outreach and Education campaign	0	0	0	0	0	0	0	0	0	0	0	0
062000035	Amending Grimes County Floodplain Ordinance	0	0	0	0	0	0	0	0	0	0	0	0
062000036	Grimes County Property Acquisition	0	0	0	0	0	0	0	0	0	0	0	0
062000037	Property Acquisition Down-Stream of High Hazard Dams in Grimes County	0	0	0	0	0	0	0	0	0	0	0	0
062000038	Walker County Property Acquisition in Deep River Plantation Subdivision	0	0	0	0	0	0	0	0	0	0	0	0
062000039	City of Santa Fe Stormproof/retrofit New Critical Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0

Appendix 4-6: Table 14 - Potentially Feasible Flood Mitigation Strategies Identified by RFPG

FMS ID	FMS Name	Cost/Structure removed	Consideration of Nature-Based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
062000031	Brazoria County Structure Elevation	0	N	N	N	N
062000032	Brazoria County Non-structural Mitigation / Land Preservation	0	N	N	N	N
062000033	City of Bellaire Flood Rescue Plan	0	N	N	N	N
062000034	Brazoria County Dam and Levee Failure Outreach and Education campaign	0	N	N	N	N
062000035	Amending Grimes County Floodplain Ordinance	0	N	N	N	N
062000036	Grimes County Property Acquisition	0	N	N	N	N
062000037	Property Acquisition Down-Stream of High Hazard Dams in Grimes County	0	N	N	N	N
062000038	Walker County Property Acquisition in Deep River Plantation Subdivision	0	N	N	N	N
062000039	City of Santa Fe Stormproof/retrofit New Critical Infrastructure	0	N	N	N	N

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC10s	Watersheds
062000040	Waller County Drainage System Maintenance	Project will clear obstacles, widen and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding in all participating jurisdictions.	06000001, 06000003, 06000004, 06000015	Waller	120401020102, 120401020103, 120401020204, 120401020101, 120401020201, 120401020202, 120401020203, 120401020205, 120401020207, 120401020206, 120401040102, 120401040103, 120401040101, 120401040203	06000027, 06000028, 06000036, 06000026, 06000033, 06000034, 06000035, 06000037, 06000039, 06000038, 06000072, 06000073, 06000071, 06000077
062000041	Waller County Flood Hazard Public Information Campaign	Posting of signage at high profile locations and use of social media to communicate threats/concurs. Flood gauges for common flooded road crossings. Burn ban signs.	06000001, 06000005, 06000006, 06000010, 06000015	Waller	120401020102, 120401020103, 120401020204, 120401020101, 120401020201, 120401020202, 120401020203, 120401020205, 120401020207, 120401020206, 120401040102, 120401040103, 120401040101, 120401040203	06000027, 06000028, 06000036, 06000026, 06000033, 06000034, 06000035, 06000037, 06000039, 06000038, 06000072, 06000073, 06000071, 06000077
062000042	Waller County Freeboard Requirement Update	The county may increase its freeboard requirement to 24-in from 18-in above the base flood elevation. County may require that all new lots within a platted subdivision be located fully outside of the floodplain. Applicable to all floodplain development.	06000001, 06000007, 06000015	Waller	120401020102, 120401020103, 120401020204, 120401020101, 120401020201, 120401020202, 120401020203, 120401020205, 120401020207, 120401020206, 120401040102, 120401040103, 120401040101, 120401040203	06000027, 06000028, 06000036, 06000026, 06000033, 06000034, 06000035, 06000037, 06000039, 06000038, 06000072, 06000073, 06000071, 06000077
062000043	Install Outdoor Early warning System in Walker County	Install Outdoor Early warning System to provide citizens early warning of an impending disaster, or an event that would affect the life and/or property of the citizens.	06000001, 06000005, 06000006, 06000010, 06000015	Walker	120401010104, 120401010101, 120401010102, 120401010103, 120401010201, 120401010202, 120401010203, 120401010204, 120401030101, 120401030106, 120401030303, 120401030305, 120401030301, 120401030302	06000004, 06000004, 06000001, 06000002, 06000003, 06000005, 06000006, 06000007, 06000008, 06000046, 06000051, 06000063, 06000065, 06000061, 06000062
062000044	Walker County Public Hazard Information and Awareness Campaign	The county and participating jurisdiction will create and implement an education campaign to educate the public on mitigation techniques for all hazards.	06000001, 06000005, 06000006, 06000010, 06000015	Walker	120401010104, 120401010101, 120401010102, 120401010103, 120401010201, 120401010202, 120401010203, 120401010204, 120401030101, 120401030106, 120401030303, 120401030305, 120401030301, 120401030302	06000004, 06000001, 06000002, 06000003, 06000005, 06000006, 06000007, 06000008, 06000046, 06000051, 06000063, 06000065, 06000061, 06000062
062000045	Retrofit and Harden the Emergency Operations Center Serving Walker County	Retrofit and harden the Emergency Operations Center serving Walker county including city of Huntsville, New Waverly, and Riverside.	06000001, 06000005, 06000006, 06000010, 06000015	Walker	120401010104, 120401010101, 120401010102, 120401010103, 120401010201, 120401010202, 120401010203, 120401010204, 120401030101, 120401030106, 120401030303, 120401030305, 120401030301, 120401030302	06000004, 06000001, 06000002, 06000003, 06000005, 06000006, 06000007, 06000008, 06000046, 06000051, 06000063, 06000065, 06000061, 06000062
062000046	City of Cleveland Drainage Maintenance	Removal of debris, silt and vegetation obstacles in drainageways. Project will clear obstacles, mow and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding	06000001, 06000003, 06000004, 06000015	Liberty, Montgomery, San Jacinto	120401030201, 120401030108, 120401030109, 120401030203, 120401030202, 120401030401	06000056, 06000053, 06000054, 06000058, 06000057, 06000069
062000047	City of Hilcrest Village Land Acquisition	Purchase additional land for retention pond construction to mitigate flooding in flood zones.	06000001, 06000015	Brazoria	120402040400	06000109

FMS ID	FMS Name	Strategy Type	Strategy Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Strategy Cost ($)	Potential Funding Sources and Amount
062000040	Waller County Drainage System Maintenance	Infrastructure Projects	515.95	Riverine, Urban/Local	Waller County	Waller, Waller, Hempstead, Brooksire, Brookshire Katy Drainage District, Katy	0	$ 2,500,000.00	General Revenue (50%)
062000041	Waller County Flood Hazard Public Information Campaign	Education and Outreach	515.95	Riverine, Urban/Local	Waller County	Waller, Waller, Hempstead, Brooksire, Brookshire Katy Drainage District, Katy	N	$ 20,000.00	General Revenue (50%)
062000042	Waller County Freeboard Requirement Update	Regulatory and Guidance	515.95	Riverine, Urban/Local	Waller County	Waller, Waller, Hempstead, Brooksire, Brookshire Katy Drainage District, Katy	N	$ 100,000.00	General Revenue (100%)
062000043	Install Outdoor Early warning System in Walker County	Education and Outreach	797.84	Riverine, Urban/Local	Walker County	Walker, Huntsville, New Waverly	N	$ 850,000.00	
062000044	Walker County Public Hazard Information and Awareness Campaign	Education and Outreach	797.84	Riverine, Urban/Local	Walker County	Walker, Huntsville, New Waverly	N	$ 20,000.00	
062000045	Retrofit and Harden the Emergency Operations Center Serving Walker County	Education and Outreach	797.84	Riverine, Urban/Local	Walker County	Walker, Huntsville	N	$ 4,000,000.00	
062000046	City of Cleveland Drainage Maintenance	Infrastructure Projects	18.74	Riverine, Urban/Local	City of Cleveland	Cleveland, San Jacinto, Montgomery	N	$ 5,000,000.00	
062000047	City of Hilcrest Village Land Acquisition	Property Acquisition and Structural Elevation	0.44	Riverine, Urban/Local	City of Hillcrest Village	Hillcrest	Y	$ 250,000.00	

FMS ID	FMS Name	Area in 100-year (1% annual chance) floodplain	Area in 500-year (0.2% annual chance) floodplain	Estimated number of structures at 100-year flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical Facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)
062000040	Waller County Drainage System Maintenance	28.48	5.59	1,067	708	1,859	6	19	19	41.00	1,357.32
062000041	Waller County Flood Hazard Public Information Campaign	28.48	5.59	1,067	708	1,859	6	19	19	41.00	1,357.32
062000042	Waller County Freeboard Requirement Update	28.48	5.59	1,067	708	1,859	6	19	19	41.00	1,357.32
062000043	Install Outdoor Early warning System in Walker County	61.21	10.47	505	437	545	1	2	2	25.00	180.46
062000044	Walker County Public Hazard Information and Awareness Campaign	61.21	10.47	505	437	545	1	2	2	25.00	180.46
062000045	Retrofit and Harden the Emergency Operations Center Serving Walker County	61.21	10.47	505	437	545	1	2	2	25.00	180.46
062000046	City of Cleveland Drainage Maintenance	6.83	1.08	261	133	1,037	0	1	1	27.00	28.88
062000047	City of Hilcrest Village Land Acquisition	0.19	0.04	128	121	333	1	0	0	2.00	0.13

FMS ID	FMS Name	Number of structures with reduced 100-year (1% annual chance) flood risk	Number of structures removed from 100-year (1% annual chance) flood risk	Number of structures removed from 500-year (0.2% annual chance) flood risk	Habitable structures removed from 100-year (1% annual chance) flood risk	Estimated population removed from 100-year (1% annual chance) flood risk	Critical facilities removed from 100-year (1% annual chance) flood risk (#)	Number of low water crossings removed from 100-year (1% Annual chance) flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (miles)	Estimated active farm & ranch land removed from 100-year flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)
062000040	Waller County Drainage System Maintenance	0	0	0	0	0	0	0	0	0	0	0	0
062000041	Waller County Flood Hazard Public Information Campaign	0	0	0	0	0	0	0	0	0	0	0	0
062000042	Waller County Freeboard Requirement Update	0	0	0	0	0	0	0	0	0	0	0	0
062000043	Install Outdoor Early warning System in Walker County	0	0	0	0	0	0	0	0	0	0	0	0
062000044	Walker County Public Hazard Information and Awareness Campaign	0	0	0	0	0	0	0	0	0	0	0	0
062000045	Retrofit and Harden the Emergency Operations Center Serving Walker County	0	0	0	0	0	0	0	0	0	0	0	0
062000046	City of Cleveland Drainage Maintenance	0	0	0	0	0	0	0	0	0	0	0	0
062000047	City of Hilcrest Village Land Acquisition	0	0	0	0	0	0	0	0	0	0	0	0

FMS ID	FMS Name	Cost/Structure removed	Consideration of Nature-Based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
062000040	Waller County Drainage System Maintenance	0	N	N	N	N
062000041	Waller County Flood Hazard Public Information Campaign	0	N	N	N	N
062000042	Waller County Freeboard Requirement Update	0	N	N	N	N
062000043	Install Outdoor Early warning System in Walker County	0	N	N	N	N
062000044	Walker County Public Hazard Information and Awareness Campaign	0	N	N	N	N
062000045	Retrofit and Harden the Emergency Operations Center Serving Walker County	0	N	N	N	N
062000046	City of Cleveland Drainage Maintenance	0	N	N	N	N
062000047	City of Hilcrest Village Land Acquisition	0	N	N	N	N

Appendix 4-6: Table 14 - Potentially Feasible Flood Mitigation Strategies Identified by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC10s	Watersheds
062000048	City of Manvel Property Acquisition	Acquire Repetitive Loss (RL) and Severe Repetitive Loss (SRL) properties in the 100-year flood plain, as identified by FEMA and NFIP	06000001, 06000015	Brazoria	120402040200, 120402040400, 120402040100	06000107, 06000109, 06000106
062000049	City of Bellaire Flood Early Warning System	Develop Flood Early Warning System for the City of Bellaire to inform emergency responders and to assist residents in making safe decisions during major storm events.	06000001, 06000010, 06000015	Harris	120401040402, 120401040401	06000084, 06000083
062000050	City of Bayou Vista Management Practices for Securing Windblown Debris in Canals.	Debris generated by many hazards if the level of intensity allows. Implement plan to remove debris throughout the canal system especially since Bayou Vista is a residential canal community.	06000001, 06000003, 06000004, 06000015	Galveston	120402040200	06000107
062000051	Maintain Drainage Systems and Culverts in City of Friendswood	Clean & recut drainage ditches, complete work orders related to conveyance systems. Pursue sub-regional drainage improvements.	06000001, 06000003, 06000004, 06000015	Galveston, Harris	120402040200, 120402040100	06000107, 06000106
062000052	City of League City Property Acquisition and Relocation	Buying and removing property from the floodplain will reduce long-term, repetitive flood loss. The open space created by the removal of insured property will facilitate drainage and allow for the creation of recreation areas.	06000001, 06000015	Galveston, Harris	120402040200, 120402040100	06000107, 06000106
062000053	City of Santa Fe - Harden Existing Critical Facilities and Infrastructure	Harden existing critical facilities and infrastructure. Specifically City Hall, Maintenance Building, Library, and Community Center.	06000001, 06000003, 06000004, 06000015	Galveston	120402040300, 120402040200	06000108, 06000107
062000054	City of Santa Fe - Drainage System Maintenance	Keep areas of concern free of unnecessary debris as needed. Implement and maintain tree, vegetation trimming/removal near, infrastructure, drainage systems and roadside areas.	06000001, 06000003, 06000004, 06000015	Galveston	120402040300, 120402040200	06000108, 06000107
062000055	Liberty County Floodplain Acquisition	Acquisition of property in the floodplain.	06000001, 06000015	Liberty	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000107, 06000109, 06000106
062000056	City of Galveston Floodplain Manager Increase	Increase and maintain number of floodplain managers in the building division through training and certification.	06000001, 06000007, 06000015	Galveston	120402040300, 120402040200, 120402040400, 120402040500	06000108, 06000107, 06000109, 06000110
062000057	City of Galveston SRL and RL Property Mitigation	Elevation, acquisition or other mitigation of identified Repetitive Loss and Severe Repetitive Loss properties and structures damaged by flooding.	06000001, 06000015	Galveston	120402040300, 120402040200, 120402040400, 120402040500	06000108, 06000107, 06000109, 06000110
062000058	City of Bunker Hill Village Non-Structural Mitigation Projects	Non-structural mitigation measure - buried powerlines, tree management and generators	06000001, 06000015	Harris	120401040303	06000080
062000059	Hardening of Critical Facilities in City of Mission Todd	Protecting critical facilities such as hospitals, fire stations, police stations and water treatment plants can help keep them operational during severe storms.	06000001, 06000003, 06000004, 06000015	Grimes	120401020203, 120401020206	06000035, 06000038

Appendix 4-6: Table 14 - Potentially Feasible Flood Mitigation Strategies Identified by RFPG

FMS ID	FMS Name	Strategy Type	Strategy Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Strategy Cost ($)	Potential Funding Sources and Amount
062000048	City of Manvel Property Acquisition	Property Acquisition and Structural Elevation	27.41	Riverine, Urban/Local	City of Manvel	Manvel	Y	$ 1,700,000.00	
062000049	City of Bellaire Flood Early Warning System	Flood Measurement and Warning	3.58	Riverine, Urban/Local	City of Bellaire	Bellaire, Harris County Flood Control District	N	$ 150,000.00	General Revenue (25%)
062000050	City of Bayou Vista Management Practices for Securing Windblown Debris in Canals.	Infrastructure Projects	0.45	Riverine, Urban/Local, Coastal	City of Bayou Vista	Bayou Vista	N	$ 100,000.00	
062000051	Maintain Drainage Systems and Culverts in City of Friendswood	Infrastructure Projects	20.83	Riverine, Urban/Local	City of Friendswood	Friendswood, Harris, Galveston	N	$ 1,400,000.00	
062000052	City of League City Property Acquisition and Relocation	Property Acquisition and Structural Elevation	52.89	Riverine, Urban/Local	City of League City	League City	Y	$ 300,000,000.00	
062000053	City of Santa Fe - Harden Existing Critical Facilities and Infrastructure	Infrastructure Projects	17.04	Riverine, Urban/Local	City of Santa Fe	Santa Fe	Y	$ 2,000,000.00	
062000054	City of Santa Fe - Drainage System Maintenance	Infrastructure Projects	17.04	Urban/Local	City of Santa Fe	Santa Fe	N	$ 5,000.00	
062000055	Liberty County Floodplain Acquisition	Property Acquisition and Structural Elevation	664.95	Riverine, Urban/Local	Liberty County	Liberty, Dayton	Y	$ 750,000.00	
062000056	City of Galveston Floodplain Manager Increase	Regulatory and Guidance	211.08	Riverine, Urban/Local, Coastal	City of Galveston	Galveston	N	$ 10,000.00	
062000057	City of Galveston SRL and RL Property Mitigation	Property Acquisition and Structural Elevation	211.08	Riverine, Urban/Local, Coastal	City of Galveston	Galveston, Galveston	Y	$ 80,000.00	
062000058	City of Bunker Hill Village Non-Structural Mitigation Projects	Other	1.44	Riverine, Urban/Local	City of Bunker Hill Village	Harris, Harris County Flood Control District, Bunker Hill Village,	N	$ 100,000.00	
062000059	Hardening of Critical Facilities in City of Mission Todd	Infrastructure Projects	2.00	Riverine, Urban/Local	City of Todd Mission	Grimes, Todd Mission	Y	$ 25,000.00	

Appendix 4-6: Table 14 - Potentially Feasible Flood Mitigation Strategies Identified by RFPG

FMS ID	FMS Name	Area in 100-year (1% annual chance) floodplain	Area in 500-year (0.2% annual chance) floodplain	Estimated number of structures at 100-year flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical Facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)
062000048	City of Manvel Property Acquisition	8.41	0.78	1,250	966	6,741	8	0	0	43.00	178.80
062000049	City of Bellaire Flood Early Warning System	2.96	0.54	5,879	5,539	25,741	71	0	0	71.00	0.15
062000050	City of Bayou Vista Management Practices for Securing Windblown Debris in Canals.	0.45	0.00	1,122	1,095	1,476	3	0	0	8.00	0.00
062000051	Maintain Drainage Systems and Culverts in City of Friendswood	5.12	2.80	1,680	1,601	4,640	2	5	5	38.00	18.37
062000052	City of League City Property Acquisition and Relocation	16.74	10.14	5,251	4,835	13,675	25	2	2	105.00	1,308.19
062000053	City of Santa Fe - Harden Existing Critical Facilities and Infrastructure	0.68	2.37	400	306	748	1	9	9	4.00	12.12
062000054	City of Santa Fe - Drainage System Maintenance	0.68	2.37	400	306	748	1	9	9	4.00	12.12
062000055	Liberty County Floodplain Acquisition	307.76	87.02	48,570	42,185	102,755	681	30	30	910.00	3,412.02
062000056	City of Galveston Floodplain Manager Increase	76.41	2.28	21,858	19,143	64,300	509	0	0	409.00	260.88
062000057	City of Galveston SRL and RL Property Mitigation	76.41	2.28	21,858	19,143	64,300	509	0	0	409.00	260.88
062000058	City of Bunker Hill Village Non-Structural Mitigation Projects	0.00	0.00	0	0	0	0	0	0	0.00	0.00
062000059	Hardening of Critical Facilities in City of Mission Todd	0.33	0.00	17	11	16	0	0	0	0.00	1.12

FMS ID	FMS Name	Number of structures with reduced 100-year (1% annual chance) flood risk	Number of structures removed from 100-year (1% annual chance) flood risk	Number of structures removed from 500-year (0.2% annual chance) flood risk	Habitable structures removed from 100-year (1% annual chance) flood risk	Estimated population removed from 100-year (1% annual chance) flood risk	Critical facilities removed from 100-year (1% annual chance) flood risk (#)	Number of low water crossings removed from 100-year (1% Annual chance) flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (miles)	Estimated active farm & ranch land removed from 100-year flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)
062000048	City of Manvel Property Acquisition	0	0	0	0	0	0	0	0	0	0	0	0
062000049	City of Bellaire Flood Early Warning System	0	0	0	0	0	0	0	0	0	0	0	0
062000050	City of Bayou Vista Management Practices for Securing Windblown Debris in Canals.	0	0	0	0	0	0	0	0	0	0	0	0
062000051	Maintain Drainage Systems and Culverts in City of Friendswood	0	0	0	0	0	0	0	0	0	0	0	0
062000052	City of League City Property Acquisition and Relocation	0	0	0	0	0	0	0	0	0	0	0	0
062000053	City of Santa Fe - Harden Existing Critical Facilities and Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
062000054	City of Santa Fe - Drainage System Maintenance	0	0	0	0	0	0	0	0	0	0	0	0
062000055	Liberty County Floodplain Acquisition	0	0	0	0	0	0	0	0	0	0	0	0
062000056	City of Galveston Floodplain Manager Increase	0	0	0	0	0	0	0	0	0	0	0	0
062000057	City of Galveston SRL and RL Property Mitigation	0	0	0	0	0	0	0	0	0	0	0	0
062000058	City of Bunker Hill Village Non-Structural Mitigation Projects	0	0	0	0	0	0	0	0	0	0	0	0
062000059	Hardening of Critical Facilities in City of Mission Todd	0	0	0	0	0	0	0	0	0	0	0	0

Appendix 4-6: Table 14 - Potentially Feasible Flood Mitigation Strategies Identified by RFPG

FMS ID	FMS Name	Cost/Structure removed	Consideration of Nature-Based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
062000048	City of Manvel Property Acquisition	0	N	N	N	N
062000049	City of Bellaire Flood Early Warning System	0	N	N	N	N
062000050	City of Bayou Vista Management Practices for Securing Windblown Debris in Canals.	0	N	N	N	N
062000051	Maintain Drainage Systems and Culverts in City of Friendswood	0	N	N	N	N
062000052	City of League City Property Acquisition and Relocation	0	N	N	N	N
062000053	City of Santa Fe - Harden Existing Critical Facilities and Infrastructure	0	N	N	N	N
062000054	City of Santa Fe - Drainage System Maintenance	0	N	N	N	N
062000055	Liberty County Floodplain Acquisition	0	N	N	N	N
062000056	City of Galveston Floodplain Manager Increase	0	N	N	N	N
062000057	City of Galveston SRL and RL Property Mitigation	0	N	N	N	N
062000058	City of Bunker Hill Village Non-Structural Mitigation Projects	0	N	N	N	N
062000059	Hardening of Critical Facilities in City of Mission Todd	0	N	N	N	N

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC10s	Watersheds
062000060	Harris County Mitigation Buyout and Relocation Program	This program is designed to assist owners whose properties were damaged by a natural disaster and or in an area that is designated hopelessly deep in the floodplain and repetitively flooded, to relocate outside the threat of flooding.	06000001, 06000015	Harris	99999	99999
062000061	City of Alvin Full Time Floodplain Administrator	Hire a full-time floodplain administrator who can support CRS application, NFIP, mapping and community floodplain support. A dedicated employee could help the community obtain CRS status and full time flood plain support.	06000001, 06000007, 06000015	Brazoria, Galveston, Fort Bend	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000107, 06000109, 06000106
062000062	City of Pearland SRL and RL Property Acquisition	Continue working with County and State officials to identify repetitive loss and severe repetitive loss properties, and pursue mitigation projects to reduce risk.	06000001, 06000015	Brazoria, Fort Bend, Harris	120401040501, 120402040200, 120402040400, 120402040100	06000085, 06000107, 06000109, 06000106
062000063	Harris County Wide Voluntary Buyout Program	Targeted home buyouts to reduce flood damages in areas several feet deep in the floodplain where structural projects to reduce flooding are not cost-effective and/or beneficial.	06000001, 06000015	Harris	99999	99999
062000064	Mitigate Repetitive Flood Claim & Severe Repetitive Loss Properties in Galveston County	Grant funding through HMGP may be used to mitigate RFC and SRL properties. Mitigation option will be implemented with property owners as funding and opportunities arise.	06000001, 06000011, 06000012, 06000015	Galveston	120402040200	06000107
062000065	Liberty County Regional Coordination	Work with adjoining counties regarding flooding and drainage issues.	06000001, 06000011, 06000012, 06000015	Liberty	120401030201, 120401030108, 120401030109, 120401030205, 120401030402, 120401030203, 120401030204, 120401030202, 120401030401, 120402030104, 120402030103, 120402030102, 120402030101	06000056, 06000053, 06000054, 06000060, 06000070, 06000058, 06000059, 06000057, 06000069, 06000102, 06000101, 06000100, 06000099
062000066	Warren Ranch Preservation	Acquisition of remaining private interest stake in the 6,004-acre Warren Ranch for floodplain preservation and conservation. Place a conservation easement on the Ranch to conserve ag and natural habitat.	06000012, 06000013	Harris	1204010201	06000028
062000067	Cypress Creek Headwater Acquisition and Preservation	Acquisition and restoration of 1,074-acres of ag and natural lands at the headwaters of Cypress Creek.	06000012, 06000013	Waller	1204010201	06000027,06000028

FMS ID	FMS Name	Strategy Type	Strategy Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Strategy Cost ($)	Potential Funding Sources and Amount
062000060	Harris County Mitigation Buyout and Relocation Program	Property Acquisition and Structural Elevation	1,770.82	Riverine, Urban/Local, Coastal	Harris County	Harris, Houston, Harris County Flood Control District	Y	$ 75,000,000.00	
062000061	City of Alvin Full Time Floodplain Administrator	Regulatory and Guidance	25.09	Riverine, Urban/Local	City of Alvin	Alvin	N	$ 100,000.00	Entity Budget/Funds (100%)
062000062	City of Pearland SRL and RL Property Acquisition	Property Acquisition and Structural Elevation	48.68	Riverine, Urban/Local	City of Pearland	Pearland, Brazoria, Brazoria County Drainage District 4	Y	$ 100,000.00	Other (0%)
062000063	Harris County Wide Voluntary Buyout Program	Property Acquisition and Structural Elevation	1,770.82	Riverine, Urban/Local, Coastal	Harris County Flood Control District (HCFCD)	Harris, Houston, Harris County Flood Control District	Y	$ 500,000,000.00	
062000064	Mitigate Repetitive Flood Claim & Severe Repetitive Loss Properties in Galveston County	Property Acquisition and Structural Elevation	14.23	Riverine, Urban/Local, Coastal	Galveston County	Galveston, Galveston, Jamaica Beach, Hitchcock, La Marque, Santa Fe, Texas City,	N	$ 30,000,000.00	
062000065	Liberty County Regional Coordination	Other	1,169.92	Riverine, Urban/Local, Coastal	Liberty County	Liberty, Chambers, Harris, San Jacinto, Hardin	N	$ 500,000.00	
062000066	Warren Ranch Preservation	Property Acquisition and Structural Elevation	9	Riverine	Coastal Prairie Conservancy	Harris County Flood Control District (HCFCD),Harris County	N	$ 50,000,000.00	
062000067	Cypress Creek Headwater Acquisition and Preservation	Property Acquisition and Structural Elevation		Riverine	Coastal Prairie Conservancy	Harris County Flood Control District (HCFCD),Harris County	N	$ 18,000,000.00	

FMS ID	FMS Name	Area in 100-year (1% annual chance) floodplain	Area in 500-year (0.2% annual chance) floodplain	Estimated number of structures at 100-year flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical Facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)
062000060	Harris County Mitigation Buyout and Relocation Program	444.51	200.09	143,642	120,807	590,954	2,332	89	89	2,408.00	5,993.47
062000061	City of Alvin Full Time Floodplain Administrator	444.51	200.09	3,445	2,605	15,192	18	0	0	57.00	262.30
062000062	City of Pearland SRL and RL Property Acquisition	3.75	9.13	4,791	3,666	11,939	22	0	0	76.00	137.47
062000063	Harris County Wide Voluntary Buyout Program	84.53	27.97	143,642	120,807	590,954	2,332	89	89	2,408.00	5,993.47
062000064	Mitigate Repetitive Flood Claim & Severe Repetitive Loss Properties in Galveston County	8.79	0.87	829	767	1,455	8	1	1	31.00	37.85
062000065	Liberty County Regional Coordination	12.46	10.60	3,619	2,272	3,576	8	7	7	144.00	1,379.49
062000066	Warren Ranch Preservation	3.50	0.78	0	0	0	0	2	2	0	240
062000067	Cypress Creek Headwater Acquisition and Preservation	0.10	0.02	0	0	0	0	0	0	0.00	8.87

FMS ID	FMS Name	Number of structures with reduced 100-year (1% annual chance) flood risk	Number of structures removed from 100-year (1% annual chance) flood risk	Number of structures removed from 500-year (0.2% annual chance) flood risk	Habitable structures removed from 100-year (1% annual chance) flood risk	Estimated population removed from 100-year (1% annual chance) flood risk	Critical facilities removed from 100-year (1% annual chance) flood risk (#)	Number of low water crossings removed from 100-year (1% Annual chance) flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (miles)	Estimated active farm & ranch land removed from 100-year flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)
062000060	Harris County Mitigation Buyout and Relocation Program	0	0	0	0	0	0	0	0	0	0	0	0
062000061	City of Alvin Full Time Floodplain Administrator	0	0	0	0	0	0	0	0	0	0	0	0
062000062	City of Pearland SRL and RL Property Acquisition	0	0	0	0	0	0	0	0	0	0	0	0
062000063	Harris County Wide Voluntary Buyout Program	0	0	0	0	0	0	0	0	0	0	0	0
062000064	Mitigate Repetitive Flood Claim & Severe Repetitive Loss Properties in Galveston County	0	0	0	0	0	0	0	0	0	0	0	0
062000065	Liberty County Regional Coordination	0	0	0	0	0	0	0	0	0	0	0	0
062000066	Warren Ranch Preservation	0	0	0	0	0	0	0	0	0	0	0	0
062000067	Cypress Creek Headwater Acquisition and Preservation	0	0	0	0	0	0	0	0	0	0	0	0

FMS ID	FMS Name	Cost/Structure removed	Consideration of Nature-Based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
062000060	Harris County Mitigation Buyout and Relocation Program	0	N	N	N	N
062000061	City of Alvin Full Time Floodplain Administrator	0	N	N	N	N
062000062	City of Pearland SRL and RL Property Acquisition	0	N	N	N	N
062000063	Harris County Wide Voluntary Buyout Program	0	N	N	N	N
062000064	Mitigate Repetitive Flood Claim & Severe Repetitive Loss Properties in Galveston County	0	N	N	N	N
062000065	Liberty County Regional Coordination	0	N	N	N	N
062000066	Warren Ranch Preservation	0	Y	N	N	N
062000067	Cypress Creek Headwater Acquisition and Preservation	0	Y	N	N	N

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC10s	Watersheds
062000070	Chambers County Community Rating System	Join the Community Rating System to reduce flood insurance premiums and flood risk for residents.	06000001, 06000011, 06000012, 06000015	Chambers, Harris	1204020302, 1203020303, 1204020301	06000103, 06000102, 06000104, 06000105
062000071	Chambers County Flood Model and Map Management System	Develop and implement a web-based system to manage flood models and mapping and regulate future development.	06000001, 06000011, 06000012, 06000015	Chambers, Harris	1204020302, 1203020303, 1204020301	06000103, 06000102, 06000104, 06000105
062000072	Chambers County Property Acquisition	This flood management strategy proposes that funds be established for Chambers County to implement a county-wide voluntary property acquisition program for structures located within the 100-year floodplain or the floodway of an existing watercourse.	06000001, 06000011, 06000012, 06000015	Chambers, Harris	1204020302, 1203020303, 1204020301	06000103, 06000102, 06000104, 06000105

FMS ID	FMS Name	Strategy Type	Strategy Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Strategy Cost ($)	Potential Funding Sources and Amount
062000070	Chambers County Community Rating System	Regulatory and Guidance	53.59	Riverine, Coastal	Chambers County	Chambers County, Harris County, Liberty County, Beach City, Mont Belvieu, Chambers-Libery Counties Navigation District, Gulf Coast Waste Disposal Authoritiy, Port of Houston Authority, Harris County Flood Control District (HCFCD), Houston-Galveston Area Council, Chambers County Improvement District 3, Chambers County Improvement District 2, Chambers-Libery Counties Improvement District, Chambers County Improvement District 1, Chambers County MUD 1, Coastal Water Authorityh, Baytown Area Water Authority, Chambers County MUD 3, Chambers County MUD 2, Trinity River Authority of Texas, Gulf Coast Protection District, Liberty County Water Control District 1	N	$ 8,000.00	
062000071	Chambers County Flood Model and Map Management System	Regulatory and Guidance	53.59	Riverine, Coastal	Chambers County	Chambers County, Harris County, Liberty County, City of Baytown Beach City, Mont Belvieu, Chambers-Libery Counties Navigation District, Gulf Coast Waste Disposal Authoritiy, Port of Houston Authority, Harris County Flood Control District (HCFCD), Houston-Galveston Area Council, Chambers County Improvement District 3, Chambers County Improvement District 2, Chambers-Libery Counties Improvement District, Chambers County Improvement District 1, Chambers County MUD 1, Coastal Water Authorityh, Baytown Area Water Authority, Chambers County MUD 3, Chambers County MUD 2, Trinity River Authority of Texas, Gulf Coast Protection District, Liberty County Water Control District 1	N	$ 36,000.00	
062000072	Chambers County Property Acquisition	Regulatory and Guidance	53.59	Riverine, Coastal	Chambers County	Chambers County, Harris County, Liberty County, City of Baytown, Beach City, Mont Belvieu, San Jacinto Region Boundary, Chambers-Liberty Counties Navigation District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Chambers County Improvement District 3, Chambers County Improvement District 2, Chambers-Liberty Counties Improvement District, Chambers County Improvement District 1, Chambers County MUD 1, Coastal Water Authority, Baytown Area Water Authority, Chambers County MUD 3, Chambers County MUD 2, Trinity River Authority of Texas, Gulf Coast Protection District, Liberty County Water Control District 1, 0	N	$ 360,000.00	

Appendix 4-6: Table 14 - Potentially Feasible Flood Mitigation Strategies Identified by RFPG

FMS ID	FMS Name	Area in 100-year (1% annual chance) floodplain	Area in 500-year (0.2% annual chance) floodplain	Estimated number of structures at 100-year flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical Facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)
062000070	Chambers County Community Rating System	9.89	4.58	146	54	775	0	0	0	7.00	353.77
062000071	Chambers County Flood Model and Map Management System	9.89	4.58	146	54	775	0	0	0	7.00	353.77
062000072	Chambers County Property Acquisition	9.89	4.58	146	54	775	0	0	0	7.00	353.77

FMS ID	FMS Name	Number of structures with reduced 100-year (1% annual chance) flood risk	Number of structures removed from 100-year (1% annual chance) flood risk	Number of structures removed from 500-year (0.2% annual chance) flood risk	Habitable structures removed from 100-year (1% annual chance) flood risk	Estimated population removed from 100-year (1% annual chance) flood risk	Critical facilities removed from 100-year (1% annual chance) flood risk (#)	Number of low water crossings removed from 100-year (1% Annual chance) flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (miles)	Estimated active farm & ranch land removed from 100-year flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)
062000070	Chambers County Community Rating System	0	0	0	0	0	0	0	0	0	0	0	0
062000071	Chambers County Flood Model and Map Management System	0	0	0	0	0	0	0	0	0	0	0	0
062000072	Chambers County Property Acquisition	0	0	0	0	0	0	0	0	0	0	0	0

FMS ID	FMS Name	Cost/Structure removed	Consideration of Nature-Based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
062000070	Chambers County Community Rating System	0	N	N	N	N
062000071	Chambers County Flood Model and Map Management System	0	N	N	N	N
062000072	Chambers County Property Acquisition	0	N	N	N	N

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC10s	Watersheds
062000073	Chambers County Drainage Criteria Manual Update	Update Drainage Criteria Manual for the County to minimize and eliminate the possibility of future development adversely impacting downstream communities.	06000001, 06000007, 06000011, 06000012, 06000015	Chambers, Harris	1204020302, 1203020303, 1204020301	06000103, 06000102, 06000104, 06000105
062000074	West Fork San Jacinto River floodplain preservation	Partnerships to acquire/place conservation easements on high-quality floodplain parcels upstream of the West Fork San Jacinto River. This pre-disaster strategy enhances resilience and floodplain function per ASFPM best practices.	06000001, 06000011, 06000012, 06000013, 06000014, 06000015	Harris, Montgomery	1204010103, 1204010105, 1204010102, 1204010104, 1204010202, 1204010301	06000011, 06000022, 06000019, 06000020, 06000021, 06000024, 06000009, 06000010, 06000023, 06000043, 06000045, 06000055, 06000047, 06000049, 06000050
062000075	Spring Creek floodplain preservation	Partnerships to acquire/place conservation easements on high-quality floodplain parcels below Lake Conroe and upstream of Spring Creek. This pre-disaster strategy enhances resilience and floodplain function per ASFPM best practices.	06000001, 06000011, 06000012, 06000013, 06000014, 06000015	Harris, Waller, Montgomery, Grimes	1207010401, 1204010103, 1204010104, 1204010201, 1204010202, 1207010108	06000016, 06000017, 06000018, 06000019, 06000020, 06000021, 06000023, 06000031, 06000036, 06000026, 06000030, 06000032, 06000033, 06000034, 06000035, 06000037, 06000039, 06000038, 06000042, 06000040, 06000041, 06000043, 06000044, 06000045
062000076	Lake Creek floodplain preservation	Partnerships to acquire/place conservation easements on high-quality floodplain parcels upstream of the West Fork San Jacinto River. This pre-disaster strategy enhances resilience and floodplain function per ASFPM best practices.	06000001, 06000011, 06000012, 06000013, 06000014, 06000015	Montgomery, Grimes	1204010103, 1203020205, 1204010101, 1204010102, 1204010104, 1204010202, 1207010108, 1207010307, 1207010308	06000001, 06000011, 06000012, 06000013, 06000014, 06000003, 06000007, 06000015, 06000016, 06000017, 06000018, 06000019, 06000020, 06000009, 06000010, 06000039, 06000038, 06000043

FMS ID	FMS Name	Strategy Type	Strategy Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Strategy Cost ($)	Potential Funding Sources and Amount
062000073	Chambers County Drainage Criteria Manual Update	Regulatory and Guidance	53.59	Riverine, Coastal	Chambers County	Chambers County, Harris County, Liberty County, City of Baytown, Beach City, Mont Belvieu, San Jacinto Region Boundary, Chambers-Liberty Counties Navigation District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Chambers County Improvement District 3, Chambers County Improvement District 2, Chambers-Liberty Counties Improvement District, Chambers County Improvement District 1, Chambers County MUD 1, Coastal Water Authority, Baytown Area Water Authority, Chambers County MUD 3, Chambers County MUD 2, Trinity River Authority of Texas, Gulf Coast Protection District, Liberty County Water Control District 1, 0	N	$ 127,000.00	
062000074	West Fork San Jacinto River floodplain preservation	Other	214.93	Riverine	Bayou Land Conservancy	NA	N	$ 40,489,000.00	
062000075	Spring Creek floodplain preservation	Other	451.16	Riverine	Bayou Land Conservancy	NA	N	$ 32,897,000.00	
062000076	Lake Creek floodplain preservation	Other	325.81	Riverine	Bayou Land Conservancy	Montgomery, Grimes, Plantersville, Montgomery, San Jacinto Region Boundary, Brazos Valley Council of Governments, San Jacinto River Authority, Brazos River Authority, Harris Montgomery Counties Management District, Houston-Galveston Area Council, Montgomery County MUD 125, Westwood Magnolia Parkway Improvement District, Blaketree MUD 1 of Montgomery County, Grimes County MUD 1, Martin Creek MUD, Montgomery County MUD 123, Montgomery County MUD 167, Blaketree MUD 2 of Montgomery County, Montgomery County MUD 114, Montgomery County MUD 139, Montgomery County MUD 113, Montgomery County MUD 180, Montgomery County MUD 166, Montgomery County MUD 121, NA	N	$ 43,019,000.00	

FMS ID	FMS Name	Area in 100-year (1% annual chance) floodplain	Area in 500-year (0.2% annual chance) floodplain	Estimated number of structures at 100-year flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical Facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)
062000073	Chambers County Drainage Criteria Manual Update	9.89	4.58	146	54	775	0	0	0	7.00	353.77
062000074	West Fork San Jacinto River floodplain preservation	62.54	14.53	5,153	3,985	18,347	49	20	20	121.00	331.54
062000075	Spring Creek floodplain preservation	73.63	26.32	5,516	4,473	27,005	51	36	36	142.00	290.83
062000076	Lake Creek floodplain preservation	63.58	9.85	830	649	1,011	0	10	10	31.00	383.61

FMS ID	FMS Name	Number of structures with reduced 100-year (1% annual chance) flood risk	Number of structures removed from 100-year (1% annual chance) flood risk	Number of structures removed from 500-year (0.2% annual chance) flood risk	Habitable structures removed from 100-year (1% annual chance) flood risk	Estimated population removed from 100-year (1% annual chance) flood risk	Critical facilities removed from 100-year (1% annual chance) flood risk (#)	Number of low water crossings removed from 100-year (1% Annual chance) flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (miles)	Estimated active farm & ranch land removed from 100-year flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)
062000073	Chambers County Drainage Criteria Manual Update	0	0	0	0	0	0	0	0	0	0	0	0
062000074	West Fork San Jacinto River floodplain preservation	0	0	0	0	0	0	0	0	0	0	0	0
062000075	Spring Creek floodplain preservation	0	0	0	0	0	0	0	0	0	0	0	0
062000076	Lake Creek floodplain preservation	0	0	0	0	0	0	0	0	0	0	0	0

FMS ID	FMS Name	Cost/Structure removed	Consideration of Nature-Based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
062000073	Chambers County Drainage Criteria Manual Update	0	N	N	N	N
062000074	West Fork San Jacinto River floodplain preservation	0	Yes	N	N	N
062000075	Spring Creek floodplain preservation	0	Yes	N	N	N
062000076	Lake Creek floodplain preservation	0	Yes	N	N	N

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC10s	Watersheds
062000077	Updates to San Jacinto River Authority Lake Conroe Reservoir Forecast Tool	Update to forecasting tool, including the incorporation of latest modeling analyses and methodologies, latest software, and/or additional stream gauge data to increase accuracy and accessibility.	06000001, 06000011, 06000012, 06000015	Montgomery, Grimes, Walker	1204010103, 1203020205, 1203020208, 1204010101, 1204010102, 1204010104, 1204010301, 1204010303	06000004, 06000001, 06000002, 06000011, 06000012, 06000014, 06000003, 06000005, 06000006, 06000007, 06000018, 06000019, 06000020, 06000008, 06000009, 06000010, 06000047, 06000046, 06000062
062000078	San Jacinto River Watershed Gage Network Expansion	Install up to 48 rain/stream gages in Montgomery, Waller, Grimes, Walker, San Jacinto, and Liberty counties to enhance flood warning in the San Jacinto River Watershed.	06000001	Waller, Liberty, Montgomery, Grimes, San Jacinto, Walker	99999	99999
062000079	Harris County Community Based Catastrophe Insurance	Community Based Catastrophe Insurance to reduce impact of flood damages in areas several feet deep in the floodplain where structural projects to reduce flooding are not cost effective	06000001, 06000015	Brazoria, Galveston, Fort Bend, Chambers, Harris, Waller, Liberty, Montgomery	1207010401, 1204020302, 1204010105, 1204010104, 1204010201, 1204010202, 1204010301, 1204010302, 1204010304, 1204010405, 1204020301, 1204020401, 1204010403, 1204010404, 1204010406, 1204010407, 1204010401, 1204010402	999999
062000080	Harris County Flood Control District's Flood Warning System	The Harris County Flood Control District’s Flood Warning System relies on 188 gage stations strategically placed throughout Harris County bayous and their tributaries that contain sensors that transmit flows and water levels during times of heavy rainfall	06000001	Brazoria, Galveston, Fort Bend, Chambers, Harris, Waller, Liberty, Montgomery	1207010401, 1204020302, 1204010105, 1204010104, 1204010201, 1204010202, 1204010301, 1204010302, 1204010304, 1204010405, 1204020301, 1204020401, 1204010403, 1204010404, 1204010406, 1204010407, 1204010401, 1204010402	999999

FMS ID	FMS Name	Strategy Type	Strategy Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Strategy Cost ($)	Potential Funding Sources and Amount
062000077	Updates to San Jacinto River Authority Lake Conroe Reservoir Forecast Tool	Flood Measurement and Warning	448.19	Riverine	San Jacinto River Authority	San Jacinto River Authority	N	$ 346,000.00	
062000078	San Jacinto River Watershed Gage Network Expansion	Flood Measurement and Warning	2,388.08	Riverine	San Jacinto River Authority	San Jacinto River Authority	N	$ 1,286,000.00	
062000079	Harris County Community Based Catastrophe Insurance	Regulatory and Guidance	1,768.51	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris County Flood Control District (HCFCD)	Y	$ 1,266,000.00	
062000080	Harris County Flood Control District's Flood Warning System	Flood Measurement and Warning	1,768.51	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris County Flood Control District (HCFCD)	N	$ 1,055,000.00	

FMS ID	FMS Name	Area in 100-year (1% annual chance) floodplain	Area in 500-year (0.2% annual chance) floodplain	Estimated number of structures at 100-year flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical Facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (miles)	Estimated farm & ranch land at flood risk (acres)
062000077	Updates to San Jacinto River Authority Lake Conroe Reservoir Forecast Tool	90.78	12.01	4,287	3,634	10,156	2	12	12	38.00	205.46
062000078	San Jacinto River Watershed Gage Network Expansion	519.49	116.69	27,280	21,172	76,613	130	102	102	668.00	2,806.27
062000079	Harris County Community Based Catastrophe Insurance	441.92	200.10	143,588	120,752	976,848	2,132	84	84	2,407.00	5,983.73
062000080	Harris County Flood Control District's Flood Warning System	441.92	200.10	143,588	120,752	976,848	2,132	84	84	2,407.00	5,983.73

FMS ID	FMS Name	Number of structures with reduced 100-year (1% annual chance) flood risk	Number of structures removed from 100-year (1% annual chance) flood risk	Number of structures removed from 500-year (0.2% annual chance) flood risk	Habitable structures removed from 100-year (1% annual chance) flood risk	Estimated population removed from 100-year (1% annual chance) flood risk	Critical facilities removed from 100-year (1% annual chance) flood risk (#)	Number of low water crossings removed from 100-year (1% Annual chance) flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (miles)	Estimated active farm & ranch land removed from 100-year flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)
062000077	Updates to San Jacinto River Authority Lake Conroe Reservoir Forecast Tool	0	0	0	0	0	0	0	0	0	0	0	0
062000078	San Jacinto River Watershed Gage Network Expansion	0	0	0	0	0	0	0	0	0	0	0	0
062000079	Harris County Community Based Catastrophe Insurance	0	0	0	0	0	0	0	0	0	0	0	0
062000080	Harris County Flood Control District's Flood Warning System	0	0	0	0	0	0	0	0	0	0	0	0

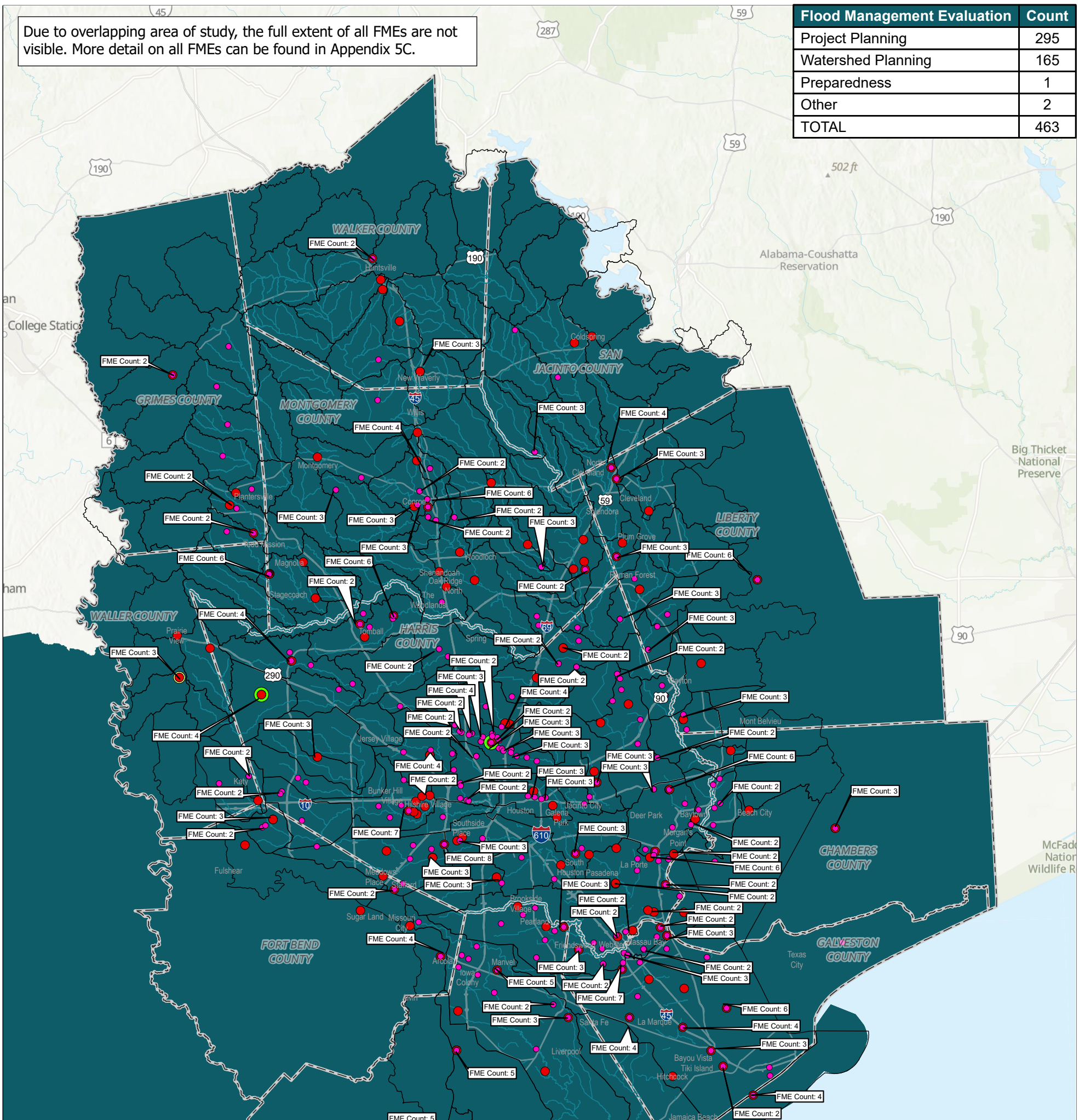
FMS ID	FMS Name	Cost/Structure removed	Consideration of Nature-Based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
062000077	Updates to San Jacinto River Authority Lake Conroe Reservoir Forecast Tool	0	N	N	N	N
062000078	San Jacinto River Watershed Gage Network Expansion	0	N	N	N	N
062000079	Harris County Community Based Catastrophe Insurance	0	N	N	N	N
062000080	Harris County Flood Control District's Flood Warning System	0	N	N	N	N

Appendix 5-1:

Map 19- Recommended FMEs

Due to overlapping area of study, the full extent of all FMEs are not visible. More detail on all FMEs can be found in Appendix 5C.

Flood Management Evaluation	Count
Project Planning	295
Watershed Planning	165
Preparedness	1
Other	2
TOTAL	463


WALKER COUNTY
GRIMES COUNTY
MONTGOMERY COUNTY
SAN JACINTO COUNTY
LIBERTY COUNTY
CHAMBERS COUNTY
GALVESTON COUNTY
HARRIS COUNTY
WALLER COUNTY
FORT BEND COUNTY
BRAZORIA COUNTY
Alabama-Coushatta Reservation
Big Thicket National Preserve
Huntsville
Willis
Montgomery
Conroe
Cleveland
Coldspring
Woodloch
Magnolia
Stagecoach
Tomball
Spring
Jersey Village
Katy
Houston
Pasadena
Baytown
Beach City
Texas City
Galveston
Jamaica Beach
Liverpool
Bayou Vista
Tiki Island
Hitchcock
Sugar Land
Missouri City
Pearland
Manvel
Iowa Colony
Santa Fe
La Marque
Dayton
Mont Belvieu
Plum Grove
Shenandoah
Oak Ridge North
The Woodlands
Prairie View
Planters ville
Fulshear
Meadows Place
Stafford
Bunker Hill Village
Hilshire Village
Southside Place
Deer Park
La Porte
Morgan's Point
Jacinto City
Galena Park
South Houston
Brookside Village
Webster
Friendswood
Clear Lake Shores
Arcola
Angleton
Lake Jackson
Freeport
Surfside Beach
Oyster Creek
Sweeny
Brazoria
Clute
Richwood
Danbury
Alvin
Pearland
Missouri City
Sugar Land
Katy
Tomball
Prairie View
Huntsville
Conroe
Cleveland
Liberty
Dayton
Baytown
Pasadena
Houston
Galveston
Texas City
La Marque
Santa Fe
Alvin
Angleton
Lake Jackson
Freeport
Clute
Richwood
Danbury
Oyster Creek
Sweeny
Brazoria
Surfside Beach
Jamaica Beach
Bayou Vista
Tiki Island
Hitchcock
Liverpool
Arcola
Manvel
Iowa Colony
Friendswood
Webster
Clear Lake Shores
Shenandoah
Oak Ridge North
The Woodlands
Magnolia
Stagecoach
Jersey Village
Bunker Hill Village
Hilshire Village
Southside Place
Meadows Place
Stafford
Fulshear
Planters ville
Prairie View
Missouri City
Sugar Land
Pearland
Brookside Village
Deer Park
La Porte
Morgan's Point
Jacinto City
Galena Park
South Houston
Baytown
Beach City
Mont Belvieu
Plum Grove

Due to overlaping area of study the full extent of all FME are not visible.
More detail on all FME can be found in Appendix 5C.

Huntsville
Walker CO
West Fork San Jacinto River
San Jacinto CO
Grimes CO
Lake Baygall
Lewis Creek Reservoir
Lake Paula
East Fork San Jacinto River
Conroe
Montgomery CO
Liberty CO
The Woodlands
Spring
Lake Houston
Humble
Lake Houston
Cypress Farms Lake
Number 1
Hegar Lake
Waller CO
Harris CO
Lake Houston
San Jacinto River
Sheldon Reservoir
Highlands Reservoir
Chambers CO
Addicks Reservoir
Katy
Houston
Jacinto City
Lynchburg Reservoir
Baytown
Tucker Lake
Barker Reservoir
Pasadena
La Porte
Stafford
Sugar Land
Missouri City
Pearland
Fort Bend CO
Friendswood
League City
Galveston County Industrial Water Reservoir
Alvin
Galveston CO
Texas City
La Marque
Mustang Lake East
Mustang Lake West
Monsanto Reservoir
Galveston

0 3 6 12 Miles

Legend

- County Boundary
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road

Flood Management Type and Mapping Condition

- Other - Mapping Requires Updates*
- Other - Modern Mapping
- Preparedness - Mapping Requires Updates*
- Preparedness - Modern Mapping
- Project Planning - Mapping Requires Updates*
- Project Planning - Modern Mapping
- Watershed Planning - Mapping Requires Updates*
- Watershed Planning - Modern Mapping

*Mapping requires updates when it is found to meet the following conditions

- Mapping limited to main reach of channel system
- Effective FEMA mapping is more than 10 years old
- Area of recent development with only BLE mapping
- Lacks effective NFHL mapping

See Map 5 for more information on existing flood map gaps

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

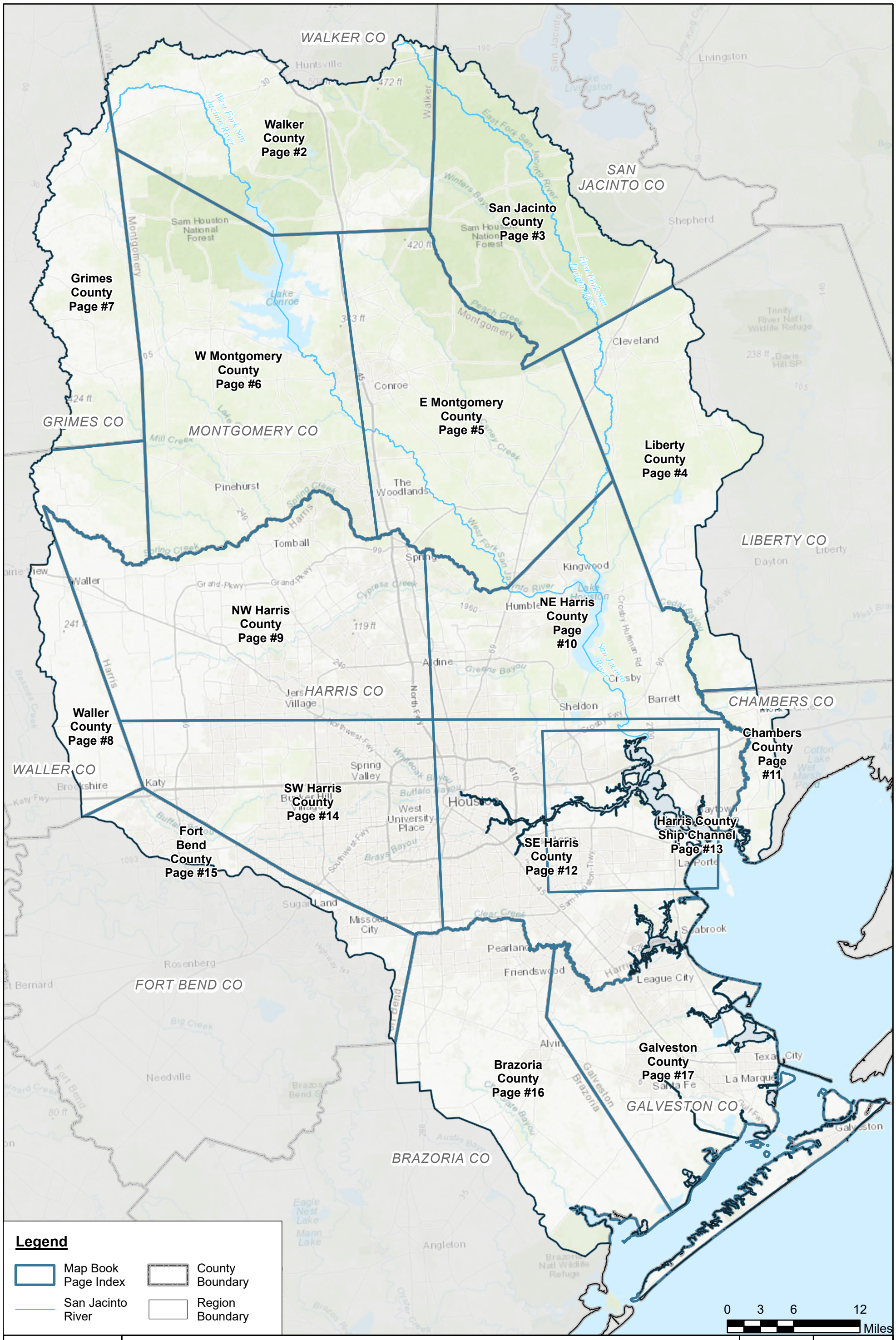
San Jacinto Regional Flood Plan

Recommended Flood Management Evaluations

N W E S

MAP 19
Overview

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

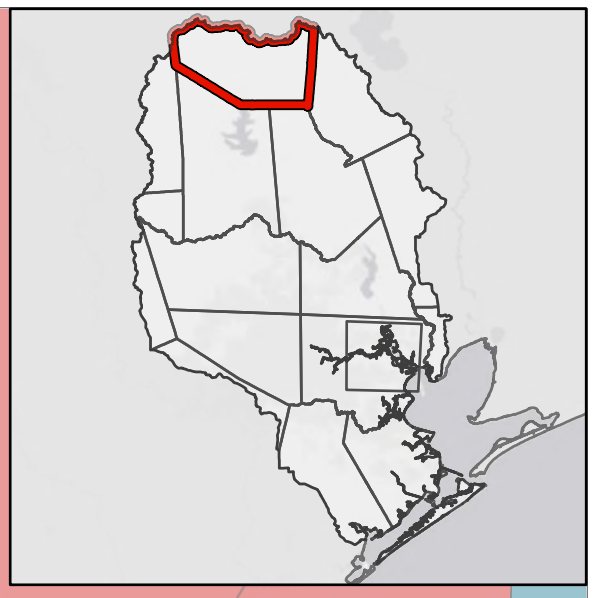
San Jacinto Regional Flood Plan

Recommended Flood Management Evaluations - Index

MAP 19
FIGURE 1 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FME are not visible.
More detail on all FME can be found in Appendix 5C.



0021
19
190
Huntsville
75
30
45
150
105
Lake Paula
Lewis Creek Reservoir
West Fork San Jacinto River
Conroe
0 1.25 2.5 5 Miles

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road
- FME Boundary

Flood Management Type and Mapping Condition

- Other - Mapping Requires Updates*
- Other - Modern Mapping
- Preparedness - Mapping Requires Updates*
- Preparedness - Modern Mapping
- Project Planning - Mapping Requires Updates*
- Project Planning - Modern Mapping
- Watershed Planning - Mapping Requires Updates*
- Watershed Planning - Modern Mapping

***Mapping requires updates when it is found to meet the following conditions**

- Mapping limited to main reach of channel system
- Effective FEMA mapping is more than 10 years old
- Area of recent development with only BLE mapping
- Lacks effective NFHL mapping

See Map 5 for more information on existing flood map gaps

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

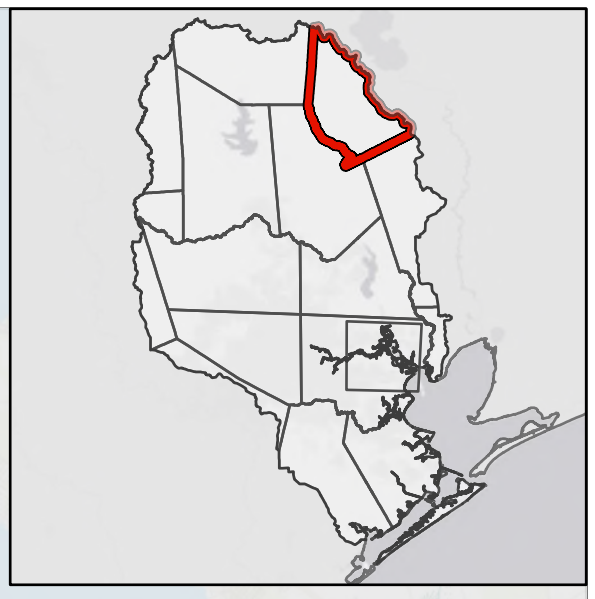
Recommended Flood Management Evaluations - Walker County

N W E S

MAP 19
FIGURE 1 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FME are not visible.
More detail on all FME can be found in Appendix 5C.



190
156
150
59
105
321

Lake Livingston
Lake Baygall
East Fork San Jacinto River
Winters Bayou
Peach Creek
Yarkington Bayou
Sam Houston National Forest

0 0.75 1.5 3 Miles

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road
- FME Boundary

Flood Management Type and Mapping Condition

- Other - Mapping Requires Updates*
- Other - Modern Mapping
- Preparedness - Mapping Requires Updates*
- Preparedness - Modern Mapping
- Project Planning - Mapping Requires Updates*
- Project Planning - Modern Mapping
- Watershed Planning - Mapping Requires Updates*
- Watershed Planning - Modern Mapping

*Mapping requires updates when it is found to meet the following conditions

- Mapping limited to main reach of channel system
- Effective FEMA mapping is more than 10 years old
- Area of recent development with only BLE mapping
- Lacks effective NFHL mapping

See Map 5 for more information on existing flood map gaps

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

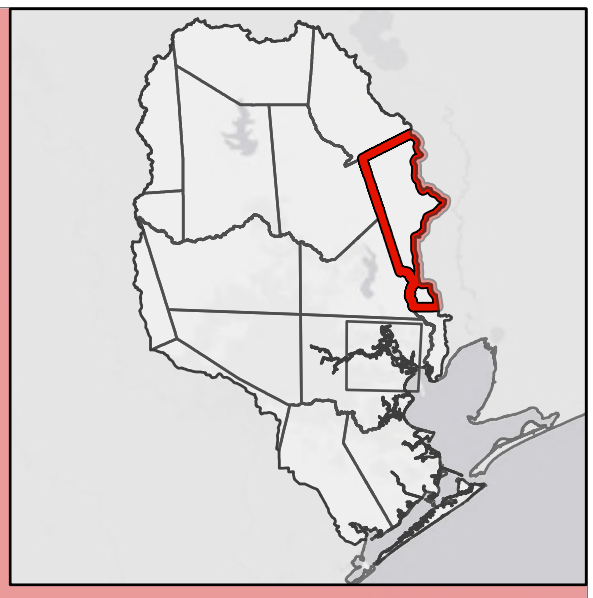
Recommended Flood Management Evaluations - San Jacinto County

N W E S

MAP 19
FIGURE 2 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FME are not visible.
More detail on all FME can be found in Appendix 5C.



59
105
242
69
99
321
90
146

East Fork San Jacinto River
Lake Houston
Lake Houston
Lake Houston
San Jacinto River

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road
- FME Boundary

Flood Management Type and Mapping Condition

- Other - Mapping Requires Updates*
- Other - Modern Mapping
- Preparedness - Mapping Requires Updates*
- Preparedness - Modern Mapping
- Project Planning - Mapping Requires Updates*
- Project Planning - Modern Mapping
- Watershed Planning - Mapping Requires Updates*
- Watershed Planning - Modern Mapping

0 1 2 4 Miles

*Mapping requires updates when it is found to meet the following conditions

- Mapping limited to main reach of channel system
- Effective FEMA mapping is more than 10 years old
- Area of recent development with only BLE mapping
- Lacks effective NFHL mapping

See Map 5 for more information on existing flood map gaps

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

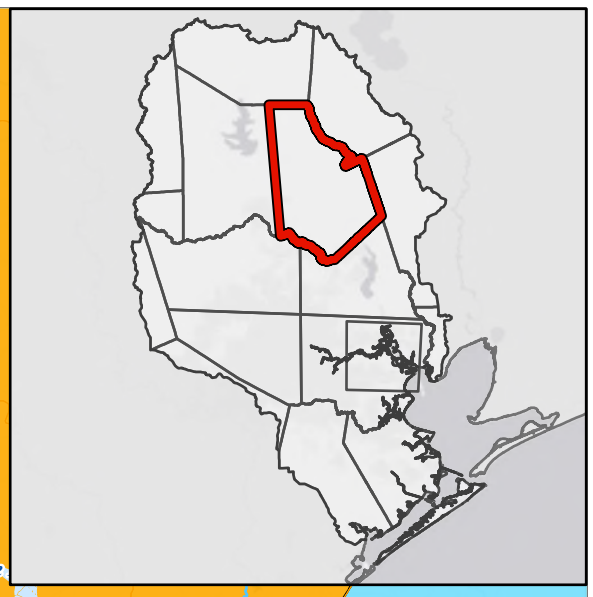
Recommended Flood Management Evaluations - Liberty County

N W E S

MAP 19
FIGURE 3 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FME are not visible.
More detail on all FME can be found in Appendix 5C.



Conroe
The Woodlands
Spring
Lake Houston
West Fork San Jacinto River
San Jacinto River
East Fork San Jacinto River
150
105
321
59
75
45
242
99
69

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road
- FME Boundary

Flood Management Type and Mapping Condition

- Other - Mapping Requires Updates*
- Other - Modern Mapping
- Preparedness - Mapping Requires Updates*
- Preparedness - Modern Mapping
- Project Planning - Mapping Requires Updates*
- Project Planning - Modern Mapping
- Watershed Planning - Mapping Requires Updates*
- Watershed Planning - Modern Mapping

0 1 2 4 Miles

*Mapping requires updates when it is found to meet the following conditions

- Mapping limited to main reach of channel system
- Effective FEMA mapping is more than 10 years old
- Area of recent development with only BLE mapping
- Lacks effective NFHL mapping

See Map 5 for more information on existing flood map gaps

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

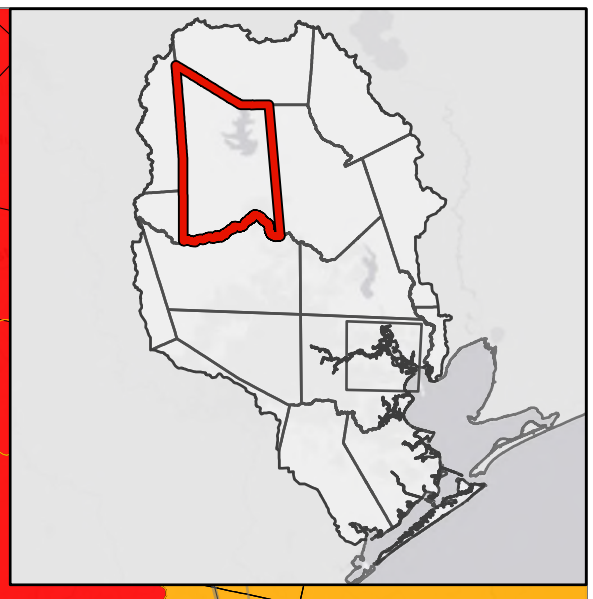
Recommended Flood Management Evaluations - E Montgomery County

N W E S

MAP 19
FIGURE 4 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FME are not visible.
More detail on all FME can be found in Appendix 5C.



Lewis Creek Reservoir

West Fork San Jacinto River

Lake Paula

Conroe

The Woodlands

75

105

45

242

249

99

0 1 2 4 Miles

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road
- FME Boundary

Flood Management Type and Mapping Condition

- Other - Mapping Requires Updates*
- Other - Modern Mapping
- Preparedness - Mapping Requires Updates*
- Preparedness - Modern Mapping
- Project Planning - Mapping Requires Updates*
- Project Planning - Modern Mapping
- Watershed Planning - Mapping Requires Updates*
- Watershed Planning - Modern Mapping

***Mapping requires updates when it is found to meet the following conditions**

- Mapping limited to main reach of channel system
- Effective FEMA mapping is more than 10 years old
- Area of recent development with only BLE mapping
- Lacks effective NFHL mapping

See Map 5 for more information on existing flood map gaps

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

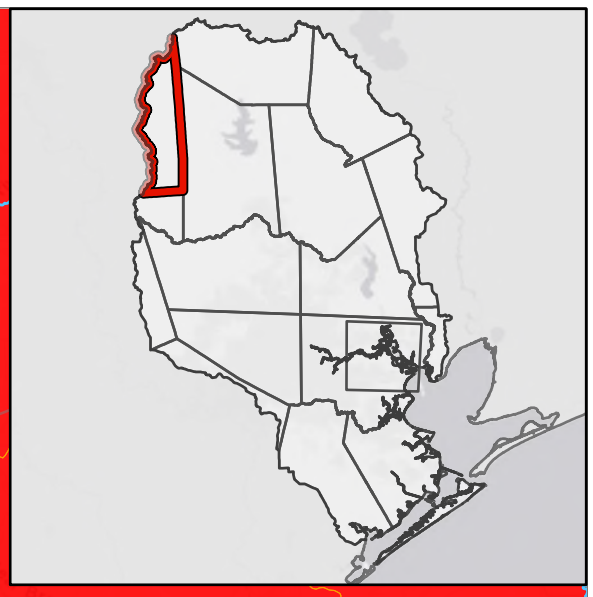
Recommended Flood Management Evaluations - W Montgomery County

N W E S

MAP 19
FIGURE 5 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FME are not visible.
More detail on all FME can be found in Appendix 5C.



30

90

105

6

0 0.75 1.5 3
Miles

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road
- FME Boundary

Flood Management Type and Mapping Condition

- Other - Mapping Requires Updates*
- Other - Modern Mapping
- Preparedness - Mapping Requires Updates*
- Preparedness - Modern Mapping
- Project Planning - Mapping Requires Updates*
- Project Planning - Modern Mapping
- Watershed Planning - Mapping Requires Updates*
- Watershed Planning - Modern Mapping

***Mapping requires updates when it is found to meet the following conditions**

- Mapping limited to main reach of channel system
- Effective FEMA mapping is more than 10 years old
- Area of recent development with only BLE mapping
- Lacks effective NFHL mapping

See Map 5 for more information on existing flood map gaps

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

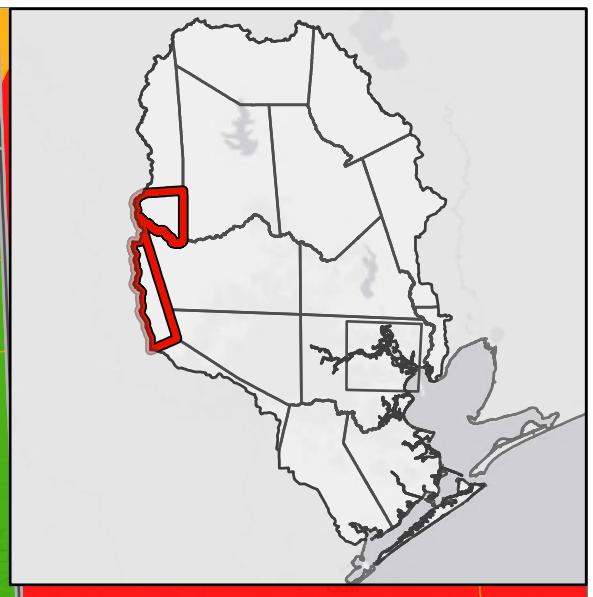
Recommended Flood Management Evaluations - Grimes County

N W E S

MAP 19
FIGURE 6 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FME are not visible.
More detail on all FME can be found in Appendix 5C.



6

290

0159

99

90

10

Cypress Farms Lake Number 1

Hegar Lake

Tucker Lake

Katy

0 0.75 1.5 3 Miles

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road
- FME Boundary

Flood Management Type and Mapping Condition

- Other - Mapping Requires Updates*
- Other - Modern Mapping
- Preparedness - Mapping Requires Updates*
- Preparedness - Modern Mapping
- Project Planning - Mapping Requires Updates*
- Project Planning - Modern Mapping
- Watershed Planning - Mapping Requires Updates*
- Watershed Planning - Modern Mapping

*Mapping requires updates when it is found to meet the following conditions

- Mapping limited to main reach of channel system
- Effective FEMA mapping is more than 10 years old
- Area of recent development with only BLE mapping
- Lacks effective NFHL mapping

See Map 5 for more information on existing flood map gaps

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

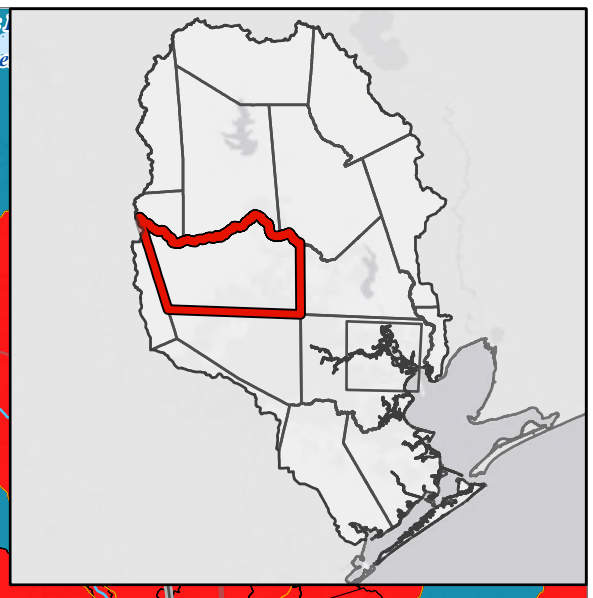
Recommended Flood Management Evaluations - Waller County

N W E S

MAP 19
FIGURE 7 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FME are not visible.
More detail on all FME can be found in Appendix 5C.



Lewis Creek
Lewis Creek Rese
Lake Paula
105
242
45
The Woodlands
West Fork San Jacinto River
99
Spring
249
290
8
Cypress Farms Lake Number 1
Hegar Lake
Addicks Reservoir
Katy
90
10
610
Houston
Tucker Lake
Barker Reservoir
6
288
0 1.25 2.5 5 Miles

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road
- FME Boundary

Flood Management Type and Mapping Condition

- Other - Mapping Requires Updates*
- Other - Modern Mapping
- Preparedness - Mapping Requires Updates*
- Preparedness - Modern Mapping
- Project Planning - Mapping Requires Updates*
- Project Planning - Modern Mapping
- Watershed Planning - Mapping Requires Updates*
- Watershed Planning - Modern Mapping

*Mapping requires updates when it is found to meet the following conditions

- Mapping limited to main reach of channel system
- Effective FEMA mapping is more than 10 years old
- Area of recent development with only BLE mapping
- Lacks effective NFHL mapping

See Map 5 for more information on existing flood map gaps

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

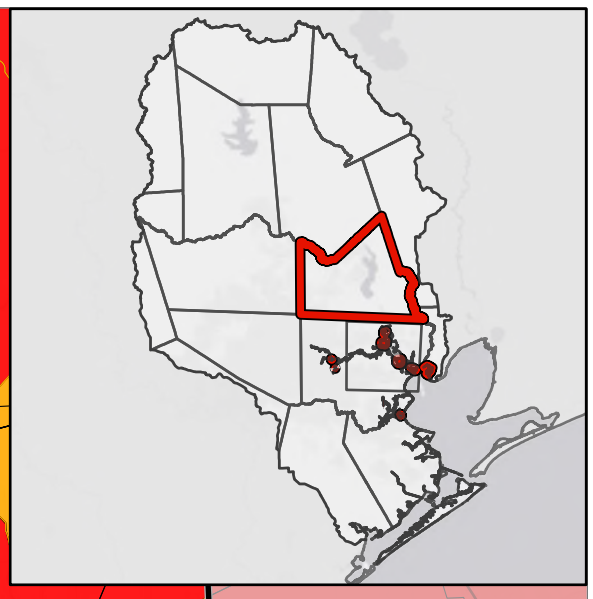
Recommended Flood Management Evaluations - NW Harris County

N W E S

MAP 19
FIGURE 8 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FME are not visible.
More detail on all FME can be found in Appendix 5C.



West Fork San Jacinto River
West Fork San Jacinto River
Lake Houston
Lake Houston
Lake Houston
Lake Houston
Lake Houston
Sheldon Reservoir
Highlands Reservoir
Lynchburg Reservoir
San Jacinto River
Spring
Humble
Houston
Jacinto City
Pasadena
La Porte
Baytown
Friendswood
99
69
90
146
8
610
10
225
288
35
45
3

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road
- FME Boundary

Flood Management Type and Mapping Condition

- Other - Mapping Requires Updates*
- Other - Modern Mapping
- Preparedness - Mapping Requires Updates*
- Preparedness - Modern Mapping
- Project Planning - Mapping Requires Updates*
- Project Planning - Modern Mapping
- Watershed Planning - Mapping Requires Updates*
- Watershed Planning - Modern Mapping

0 1 2 4 Miles

*Mapping requires updates when it is found to meet the following conditions

- Mapping limited to main reach of channel system
- Effective FEMA mapping is more than 10 years old
- Area of recent development with only BLE mapping
- Lacks effective NFHL mapping

See Map 5 for more information on existing flood map gaps

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

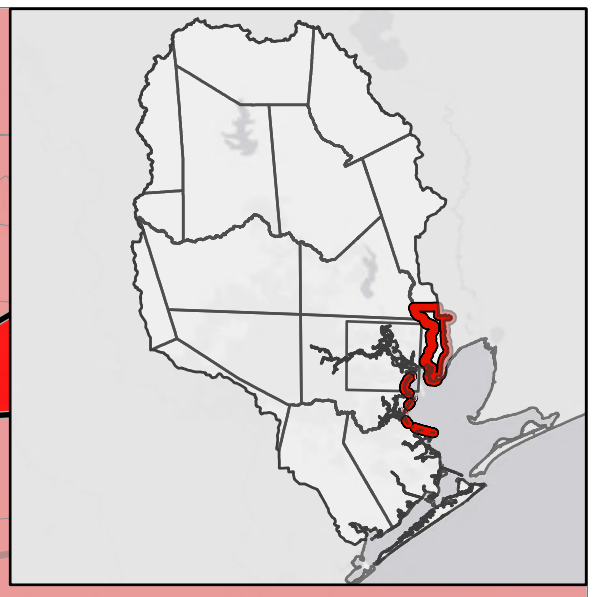
Recommended Flood Management Evaluations - NE Harris County

N W E S

MAP 19
FIGURE 9 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FME are not visible.
More detail on all FME can be found in Appendix 5C.



90
99
225
146
San Jacinto River
Highlands Reservoir
Lynchburg Reservoir
Baytown
La Porte
Galveston Bay
Trinity Bay

0 0.75 1.5 3 Miles

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road
- FME Boundary

Flood Management Type and Mapping Condition

- Other - Mapping Requires Updates*
- Other - Modern Mapping
- Preparedness - Mapping Requires Updates*
- Preparedness - Modern Mapping
- Project Planning - Mapping Requires Updates*
- Project Planning - Modern Mapping
- Watershed Planning - Mapping Requires Updates*
- Watershed Planning - Modern Mapping

***Mapping requires updates when it is found to meet the following conditions**

- Mapping limited to main reach of channel system
- Effective FEMA mapping is more than 10 years old
- Area of recent development with only BLE mapping
- Lacks effective NFHL mapping

See Map 5 for more information on existing flood map gaps

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

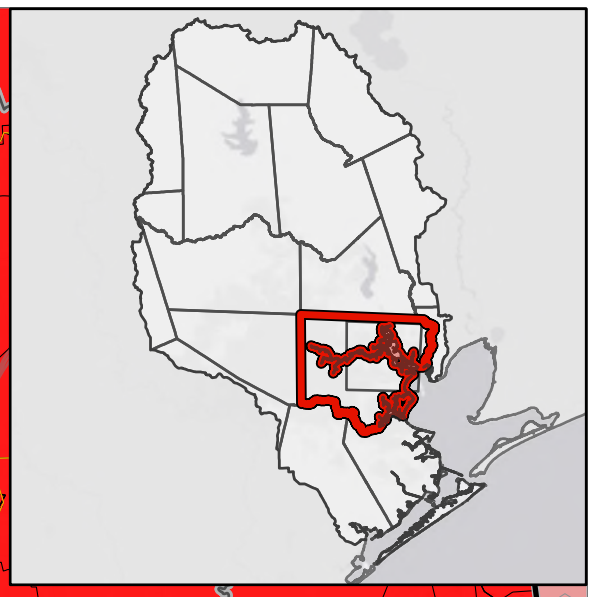
Recommended Flood Management Evaluations - Chambers County

N W E S

MAP 19
FIGURE 10 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FME are not visible.
More detail on all FME can be found in Appendix 5C.



Lake Houston
Lake Houston
Humble
Lake Houston
San Jacinto River
Lake Houston
8
69
Sheldon Reservoir
Highlands Reservoir
10
Houston
Jacinto City
Lynchburg Reservoir
Baytown
99
610
225
La Porte
Pasadena
Pearland
35
3
45
Friendswood
96
League City
Galveston County Industrial Water Reservoir
Texas City

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road
- FME Boundary

Flood Management Type and Mapping Condition

- Other - Mapping Requires Updates*
- Other - Modern Mapping
- Preparedness - Mapping Requires Updates*
- Preparedness - Modern Mapping
- Project Planning - Mapping Requires Updates*
- Project Planning - Modern Mapping
- Watershed Planning - Mapping Requires Updates*
- Watershed Planning - Modern Mapping

0 1 2 4 Miles

*Mapping requires updates when it is found to meet the following conditions

- Mapping limited to main reach of channel system
- Effective FEMA mapping is more than 10 years old
- Area of recent development with only BLE mapping
- Lacks effective NFHL mapping

See Map 5 for more information on existing flood map gaps

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

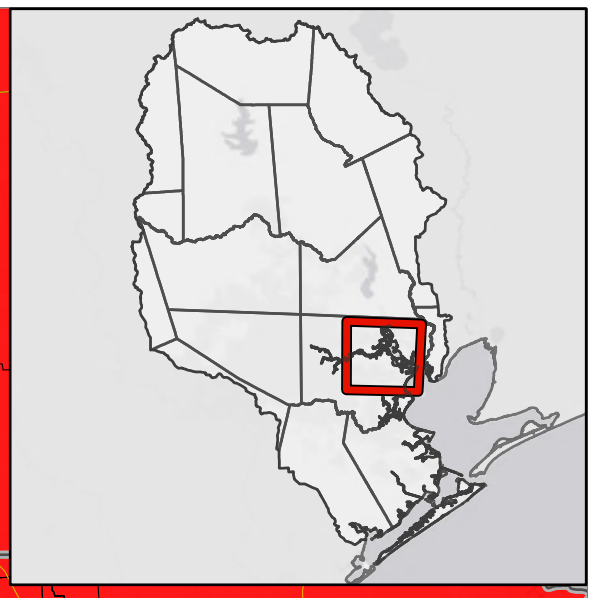
Recommended Flood Management Evaluations - SE Harris County

N W E S

MAP 19
FIGURE 11 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FME are not visible.
More detail on all FME can be found in Appendix 5C.



Lake Houston
San Jacinto River
Sheldon Reservoir
Highlands Reservoir
Lynchburg Reservoir
Baytown
La Porte
Pasadena
8
90
10
225
3
45
146
99

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road
- FME Boundary

Flood Management Type and Mapping Condition

- Other - Mapping Requires Updates*
- Other - Modern Mapping
- Preparedness - Mapping Requires Updates*
- Preparedness - Modern Mapping
- Project Planning - Mapping Requires Updates*
- Project Planning - Modern Mapping
- Watershed Planning - Mapping Requires Updates*
- Watershed Planning - Modern Mapping

0 0.5 1 2 Miles

*Mapping requires updates when it is found to meet the following conditions

- Mapping limited to main reach of channel system
- Effective FEMA mapping is more than 10 years old
- Area of recent development with only BLE mapping
- Lacks effective NFHL mapping

See Map 5 for more information on existing flood map gaps

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

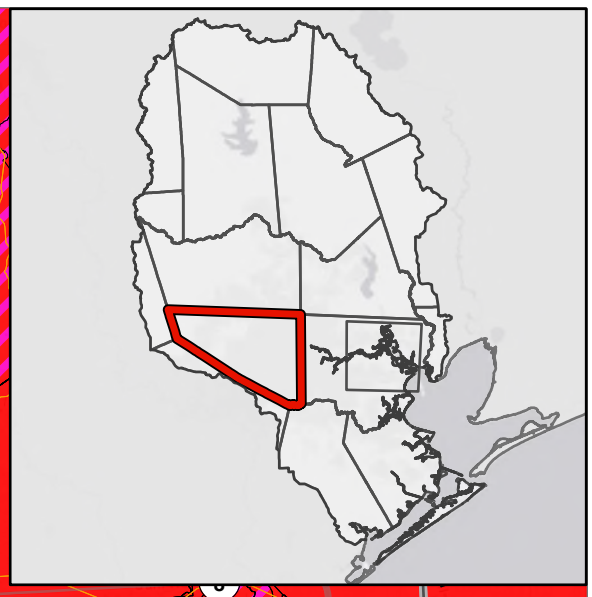
Recommended Flood Management Evaluations - Harris County Ship Channel

N W E S

MAP 19
FIGURE 12 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FME are not visible.
More detail on all FME can be found in Appendix 5C.



Cypress Farms Lake Number 1
Hegar Lake
Addicks Reservoir
Tucker Lake
Barker Reservoir
Katy
Houston
Stafford
Sugar Land
Missouri City
249
290
99
90
10
610
69
6
288
59
36

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road
- FME Boundary

Flood Management Type and Mapping Condition

- Other - Mapping Requires Updates*
- Other - Modern Mapping
- Preparedness - Mapping Requires Updates*
- Preparedness - Modern Mapping
- Project Planning - Mapping Requires Updates*
- Project Planning - Modern Mapping
- Watershed Planning - Mapping Requires Updates*
- Watershed Planning - Modern Mapping

0 1 2 4 Miles

*Mapping requires updates when it is found to meet the following conditions

- Mapping limited to main reach of channel system
- Effective FEMA mapping is more than 10 years old
- Area of recent development with only BLE mapping
- Lacks effective NFHL mapping

See Map 5 for more information on existing flood map gaps

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

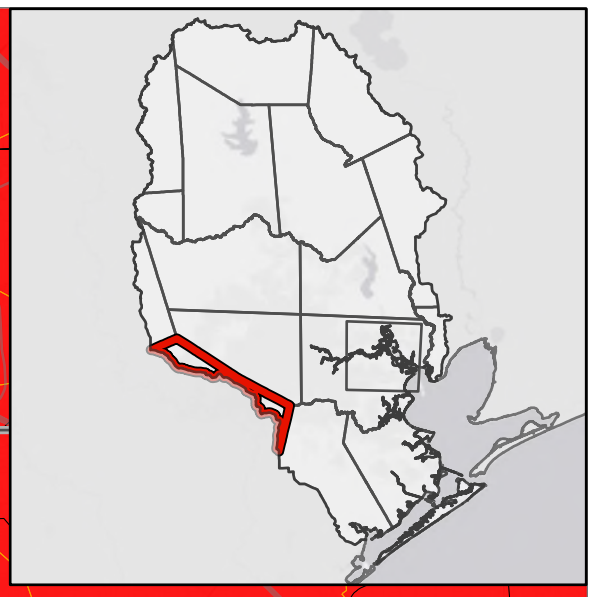
Recommended Flood Management Evaluations - SW Harris County

N W E S

MAP 19
FIGURE 13 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FME are not visible.
More detail on all FME can be found in Appendix 5C.



Cypress Farms Lake Number 1
Hegar Lake
Addicks Reservoir
Barker Reservoir
Tucker Lake
Katy
Stafford
Sugar Land
Missouri City
290
99
10
610
90
6
69
59
36
288

0 1.25 2.5 5 Miles

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road
- FME Boundary

Flood Management Type and Mapping Condition

- Other - Mapping Requires Updates*
- Other - Modern Mapping
- Preparedness - Mapping Requires Updates*
- Preparedness - Modern Mapping
- Project Planning - Mapping Requires Updates*
- Project Planning - Modern Mapping
- Watershed Planning - Mapping Requires Updates*
- Watershed Planning - Modern Mapping

***Mapping requires updates when it is found to meet the following conditions**

- Mapping limited to main reach of channel system
- Effective FEMA mapping is more than 10 years old
- Area of recent development with only BLE mapping
- Lacks effective NFHL mapping

See Map 5 for more information on existing flood map gaps

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

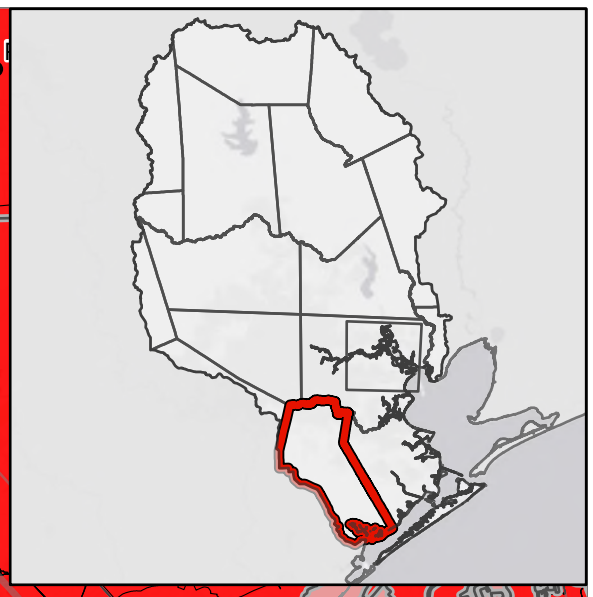
Recommended Flood Management Evaluations - Fort Bend County

N W E S

MAP 19
FIGURE 14 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FME are not visible.
More detail on all FME can be found in Appendix 5C.



Pearland
Friendswood
League City
Alvin
Mustang Lake East
Mustang Lake West
Mustang Lake East
Monsanto Reservoir
8
3
45
96
6
288
35

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road
- FME Boundary

Flood Management Type and Mapping Condition

- Other - Mapping Requires Updates*
- Other - Modern Mapping
- Preparedness - Mapping Requires Updates*
- Preparedness - Modern Mapping
- Project Planning - Mapping Requires Updates*
- Project Planning - Modern Mapping
- Watershed Planning - Mapping Requires Updates*
- Watershed Planning - Modern Mapping

0 1 2 4 Miles

***Mapping requires updates when it is found to meet the following conditions**

- Mapping limited to main reach of channel system
- Effective FEMA mapping is more than 10 years old
- Area of recent development with only BLE mapping
- Lacks effective NFHL mapping

See Map 5 for more information on existing flood map gaps

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

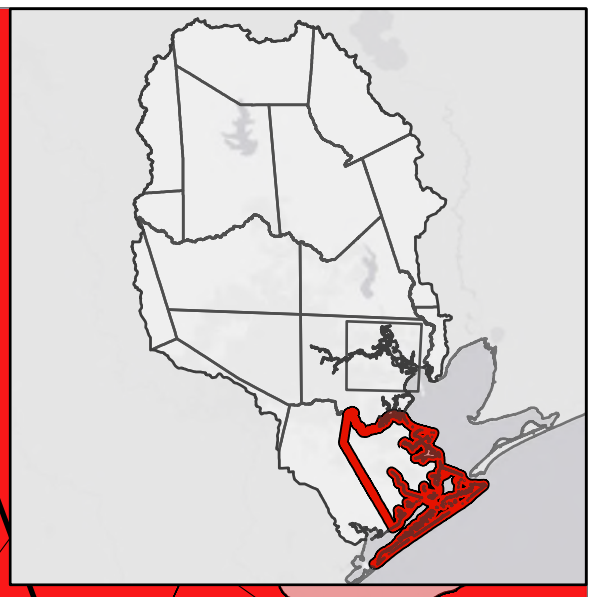
Recommended Flood Management Evaluations - Brazoria County

N W E S

MAP 19
FIGURE 15 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FME are not visible.
More detail on all FME can be found in Appendix 5C.



La Porte
Pasadena
8
146
Friendswood
96
League City
35
3
Galveston County Industrial Water Reservoir
Texas City
87
La Marque
6
168
275
45
Mustang Lake East
Mustang Lake West
Monsanto Reservoir
Duck Lake
Galveston

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road
- FME Boundary

Flood Management Type and Mapping Condition

- Other - Mapping Requires Updates*
- Other - Modern Mapping
- Preparedness - Mapping Requires Updates*
- Preparedness - Modern Mapping
- Project Planning - Mapping Requires Updates*
- Project Planning - Modern Mapping
- Watershed Planning - Mapping Requires Updates*
- Watershed Planning - Modern Mapping

0 1.25 2.5 5 Miles

***Mapping requires updates when it is found to meet the following conditions**

- Mapping limited to main reach of channel system
- Effective FEMA mapping is more than 10 years old
- Area of recent development with only BLE mapping
- Lacks effective NFHL mapping

See Map 5 for more information on existing flood map gaps

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

Recommended Flood Management Evaluations - Galveston County

N W E S

MAP 19
FIGURE 16 of 17

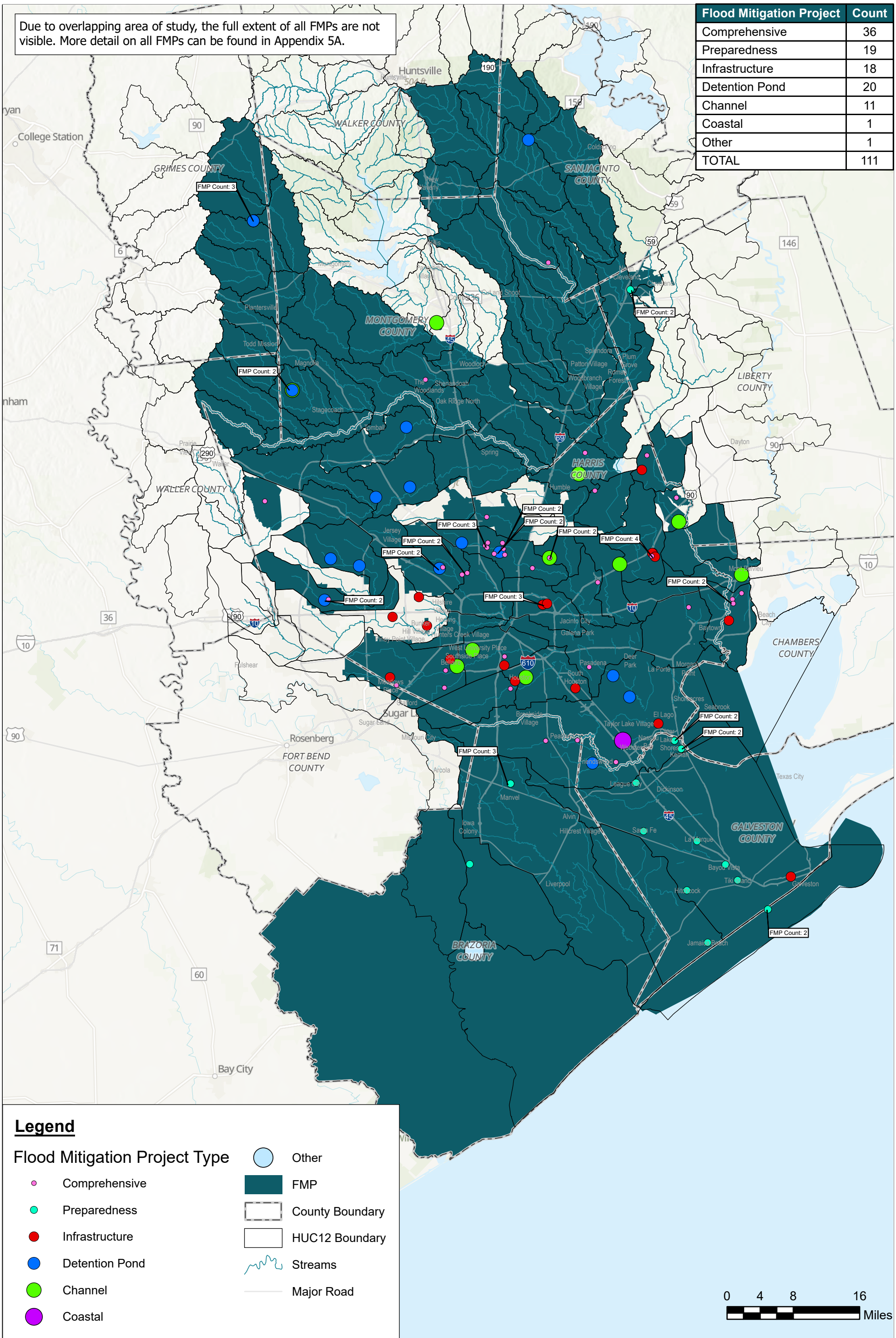
Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Appendix 5-2:

Map 20- Recommended FMPs

Due to overlapping area of study, the full extent of all FMPs are not visible. More detail on all FMPs can be found in Appendix 5A.

Flood Mitigation Project	Count
Comprehensive	36
Preparedness	19
Infrastructure	18
Detention Pond	20
Channel	11
Coastal	1
Other	1
TOTAL	111



San Jacinto Regional Flood Planning Group
REGION 6

San Jacinto Regional Flood Plan

Recommended Flood Mitigation Projects

N W E S

MAP 20

Coordinate System: NAD 1983 (2011) Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMP are not visible.
More detail on all FMP can be found in Appendix 5A.

Legend

- County Boundary
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road

Flood Mitigation Project Type

- Infrastructure
- Channel
- Preparedness
- Detention Pond
- Other
- Comprehensive
- Coastal

0 3 6 12 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

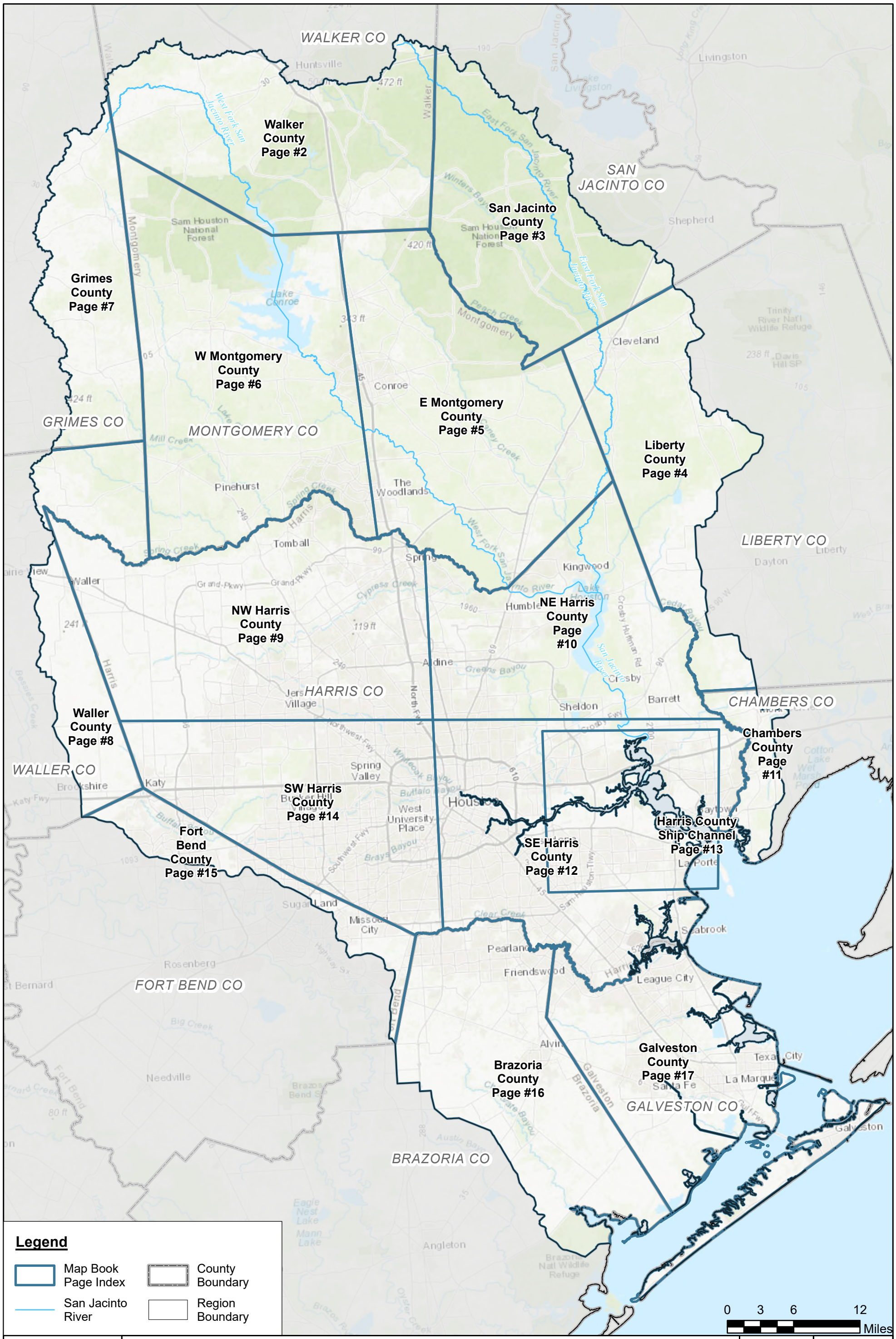
San Jacinto Regional Flood Plan

Recommended Flood Mitigation Projects

N W E S

MAP 20
Overview

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

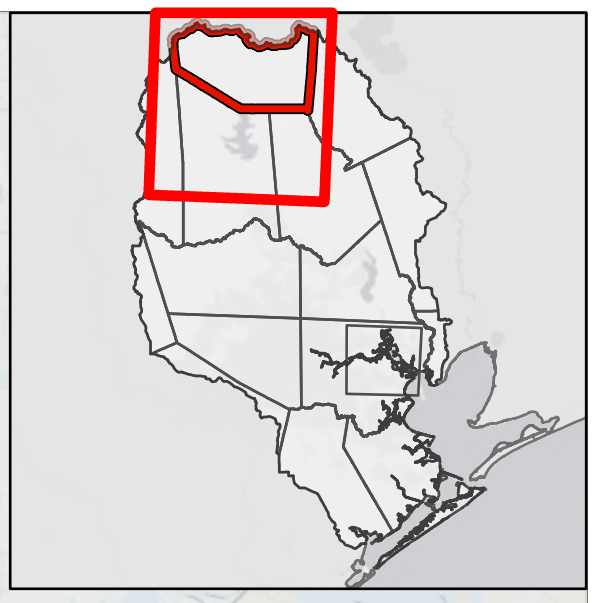
Recommended Flood Mitigation Projects - Index

N W E S

MAP 20
FIGURE 1 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMP are not visible.
More detail on all FMP can be found in Appendix 5A.



Midway
0021
Larrison Creek
MADISON
Caney Creek
WALKER
South Bedias Creek
Riverside
224 ft
19
Caney Creek
190
Huntsville
Huntsville
East Fork San Jacinto River
30
West Fork San Jacinto River
Huntsville SE
45
75
150
Sam Houston National Forest
Lake Paula
Lewis Creek Reservoir
105
Panorama Village
343 ft
E Loop 336
Conroe
Conroe
1314
0 1.25 2.5 5
Miles

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road

Flood Mitigation Project Type

- Infrastructure
- Channel
- Preparedness
- Detention Pond
- Other
- Comprehensive
- Coastal

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

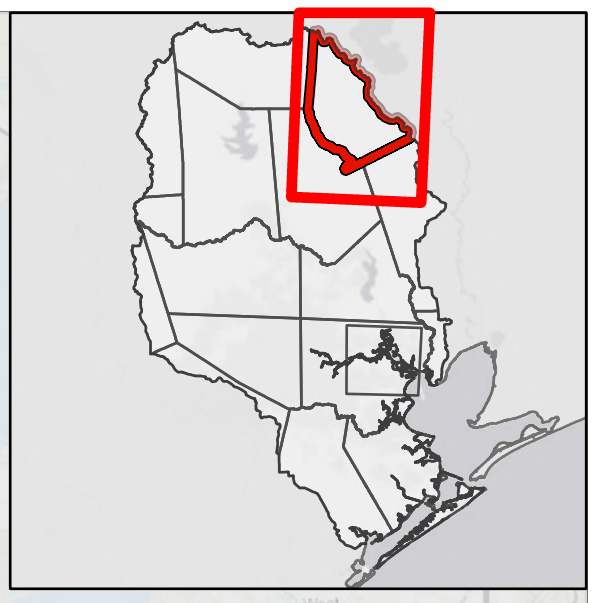
Recommended Flood Mitigation Projects - Walker County

N W E S

MAP 20
FIGURE 2 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMP are not visible.
More detail on all FMP can be found in Appendix 5A.



Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road

Flood Mitigation Project Type

- Infrastructure
- Channel
- Preparedness
- Detention Pond
- Other
- Comprehensive
- Coastal

0 1 2 4 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

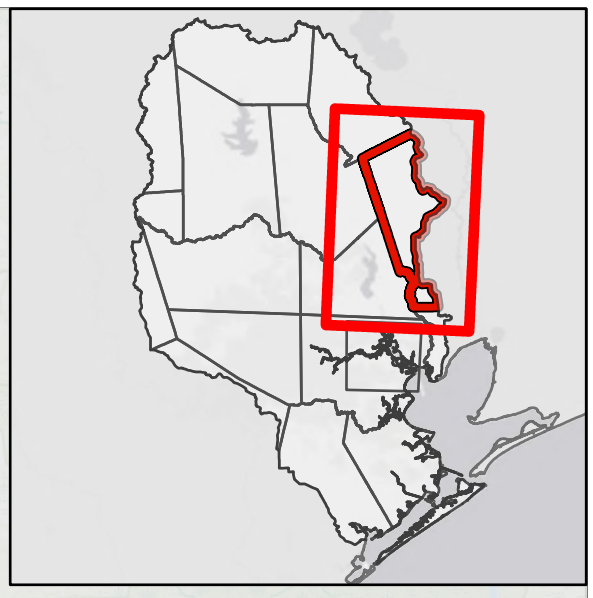
Recommended Flood Mitigation Projects - San Jacinto County

N W E S

MAP 20
FIGURE 3 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMP are not visible.
More detail on all FMP can be found in Appendix 5A.



Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road

Flood Mitigation Project Type

- Infrastructure
- Channel
- Preparedness
- Detention Pond
- Other
- Comprehensive
- Coastal

0 1 2 4 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

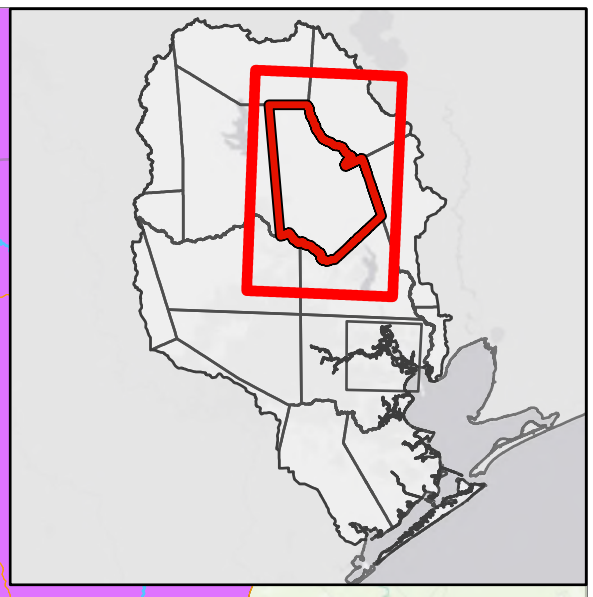
San Jacinto Regional Flood Plan

Recommended Flood Mitigation Projects - Liberty County

MAP 20
FIGURE 4 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMP are not visible.
More detail on all FMP can be found in Appendix 5A.



East Sandy Creek
Plum Creek
45
WALKER
Lake Paula
Lewis Creek Reservoir
Lake Paula
75
Lone Star Executive Airport
Crystal Creek
West Fork Golf & Country Club
Conroe
Conroe
CONROE O
River
Lake Baygall
Tarkington Bayou
59
321
105
East Fork San Jacinto River
242
The Woodlands
99
West Fork San Jacinto River
LIBERTY
HARRIS
Spring
69
Lake Houston
Lake Houston
Lake Houston
Lake Houston
Humble
George Bush Intercontinental Airport
San Jacinto River
8

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road

Flood Mitigation Project Type

- Infrastructure
- Channel
- Preparedness
- Detention Pond
- Other
- Comprehensive
- Coastal

0 1 2 4
Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

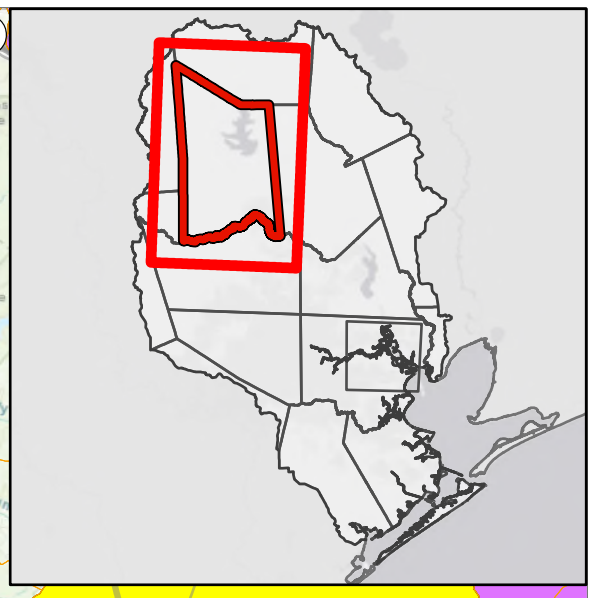
Recommended Flood Mitigation Projects - E Montgomery County

N
W E
S

MAP 20
FIGURE 5 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMP are not visible.
More detail on all FMP can be found in Appendix 5A.



Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road

Flood Mitigation Project Type

- Infrastructure
- Channel
- Preparedness
- Detention Pond
- Other
- Comprehensive
- Coastal

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

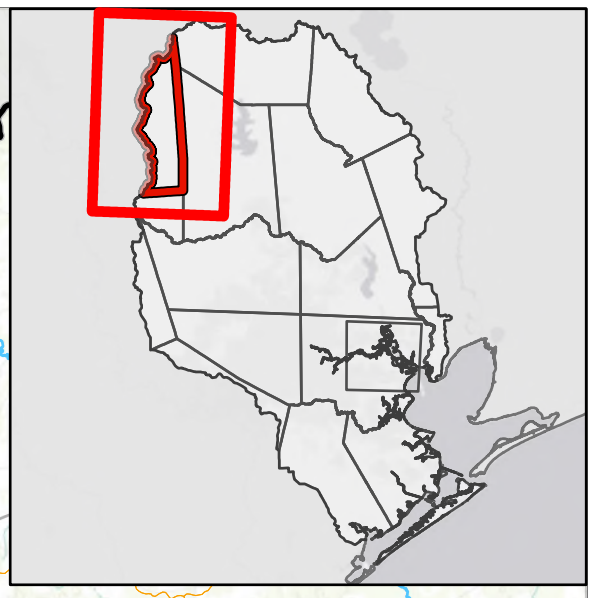
San Jacinto Regional Flood Plan

Recommended Flood Mitigation Projects - W Montgomery County

MAP 20
FIGURE 6 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMP are not visible.
More detail on all FMP can be found in Appendix 5A.



Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road

Flood Mitigation Project Type

- Infrastructure
- Channel
- Preparedness
- Detention Pond
- Other
- Comprehensive
- Coastal

0 1 2 4 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

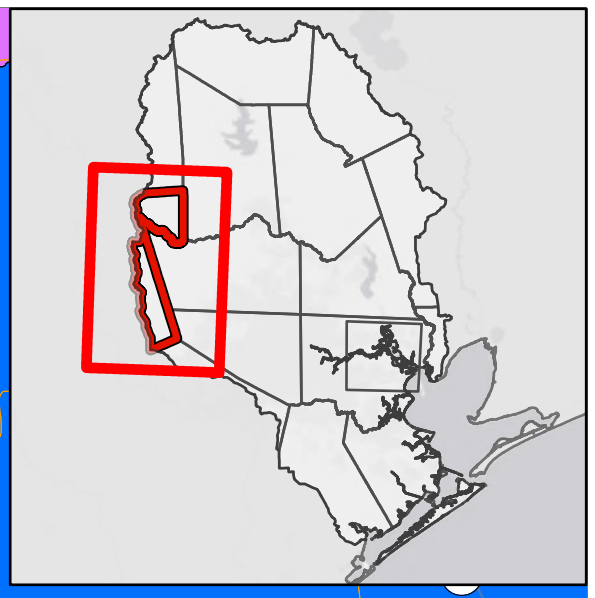
San Jacinto Regional Flood Plan

Recommended Flood Mitigation Projects - Grimes County

MAP 20
FIGURE 7 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMP are not visible.
More detail on all FMP can be found in Appendix 5A.



Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road

Flood Mitigation Project Type

- Infrastructure
- Channel
- Preparedness
- Detention Pond
- Other
- Comprehensive
- Coastal

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

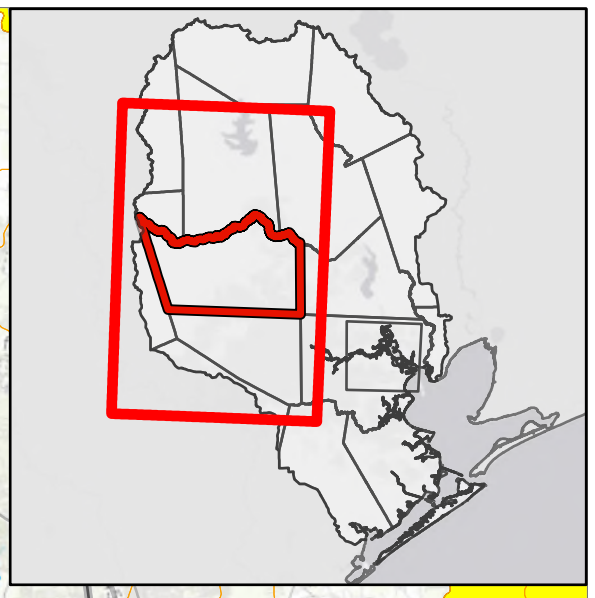
San Jacinto Regional Flood Plan

Recommended Flood Mitigation Projects - Waller County

MAP 20
FIGURE 8 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMP are not visible.
More detail on all FMP can be found in Appendix 5A.



Lewis Creek Reservoir
Lake Paula
Montgomery
The Woodlands
West Fork San Jacinto River
Spring
Cypress Farms Lake Number 1
Hegar Lake
KATY OIL AND GAS FIELD
Addicks Reservoir
Katy
Tucker Lake
FULSHEAR OIL FIELD
Barker Reservoir
Houston
Stafford
Sugar Land
Missouri City
Pattison
Pine Island
Pecan Grove
Richmond
Rosenberg
HARRIS
90
105
290
99
249
8
610
10
45
69
6
288
242

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road

Flood Mitigation Project Type

- Infrastructure
- Channel
- Preparedness
- Detention Pond
- Other
- Comprehensive
- Coastal

0 1.5 3 6 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

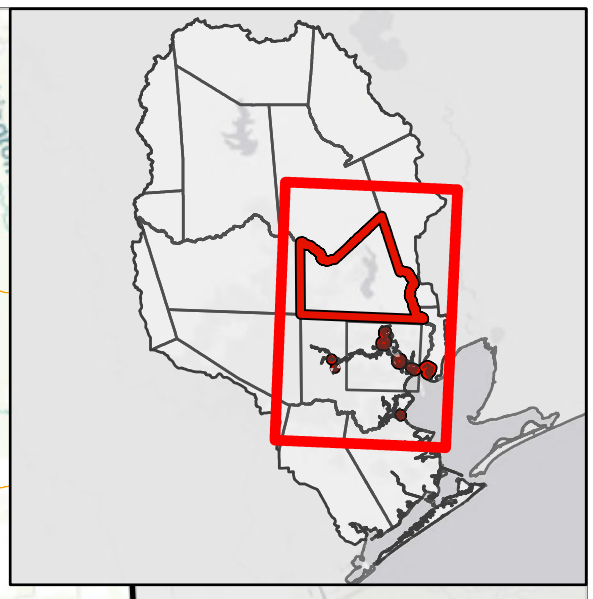
Recommended Flood Mitigation Projects - NW Harris County

N W E S

MAP 20
FIGURE 9 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMP are not visible.
More detail on all FMP can be found in Appendix 5A.



West Fork San Jacinto River
East Fork San Jacinto River
San Jacinto River
Lake Houston
Sheldon Reservoir
Highlands Reservoir
Lynchburg Reservoir
Spring
Humble
Houston
Jacinto City
Baytown
La Porte
Pasadena
Pearland
Friendswood
League City
Dayton
Tarkington
Sam Houston Golf Club
HARRIS
LIBERTY
242
99
69
8
249
610
290
225
45
35
146
10
90
96
3

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road

Flood Mitigation Project Type

- Infrastructure
- Channel
- Preparedness
- Detention Pond
- Other
- Comprehensive
- Coastal

0 1.25 2.5 5 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

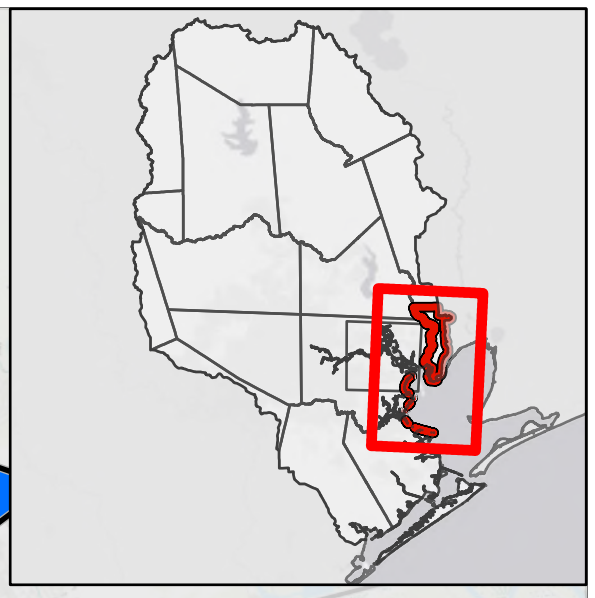
Recommended Flood Mitigation Projects - NE Harris County

N W E S

MAP 20
FIGURE 10 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMP are not visible.
More detail on all FMP can be found in Appendix 5A.



146
90
10
99
225
96
Highlands Reservoir
Lynchburg Reservoir
San Jacinto River
Baytown
La Porte
Eagle Point Golf Club
Cove
Cotton Lake
Dutton Lake
Beach City
Trinity Bay

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road

Flood Mitigation Project Type

- Infrastructure
- Channel
- Preparedness
- Detention Pond
- Other
- Comprehensive
- Coastal

0 0.75 1.5 3 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

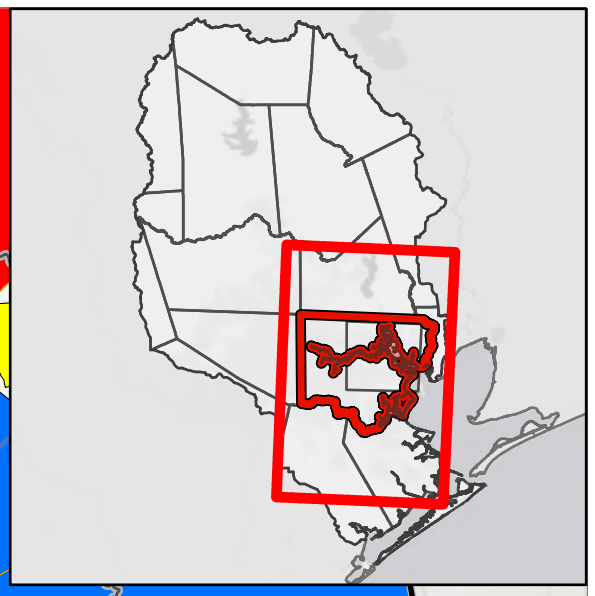
Recommended Flood Mitigation Projects - Chambers County

N W E S

MAP 20
FIGURE 11 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMP are not visible.
More detail on all FMP can be found in Appendix 5A.



Lake Houston
Lake Houston
Lake Houston
Lake Houston
Lake Houston
East Fork San Jacinto River
San Jacinto River
Humble
69
8
Sam Houston Golf Club
249
Sheldon Reservoir
Highlands Reservoir
10
99
Lynchburg Reservoir
610
Houston
Jacinto City
Baytown
225
La Porte
Pasadena
3
45
Pearland
35
Friendswood
League City
96
Galveston County Industrial Water Reservoir
Texas City
Alvin
6
La Marque
Mustang Lake East
Mustang Lake West

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road

Flood Mitigation Project Type

- Infrastructure
- Channel
- Preparedness
- Detention Pond
- Other
- Comprehensive
- Coastal

0 1.25 2.5 5 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

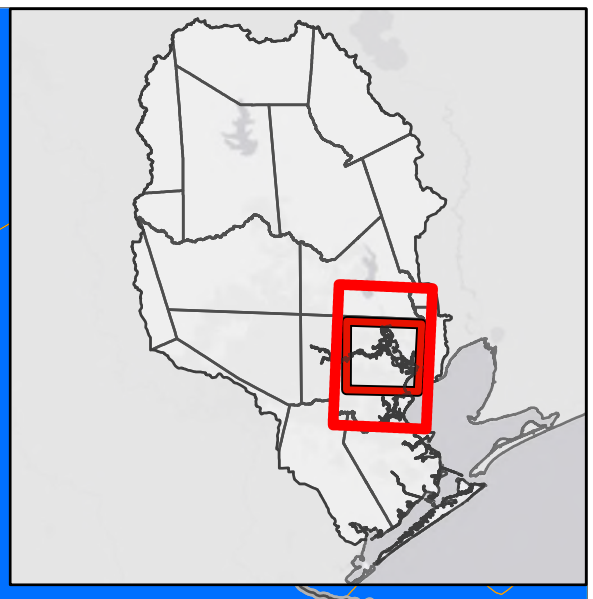
Recommended Flood Mitigation Projects - SE Harris County

N W E S

MAP 20
FIGURE 12 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMP are not visible.
More detail on all FMP can be found in Appendix 5A.



Lake Houston
Lake Houston
Sheldon Reservoir
San Jacinto River
Highlands Reservoir
Lynchburg Reservoir
Jacinto City
Baytown
La Porte
Pasadena
8
90
10
146
99
225
3
45
96

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road

Flood Mitigation Project Type

- Infrastructure
- Channel
- Preparedness
- Detention Pond
- Other
- Comprehensive
- Coastal

0 0.75 1.5 3 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

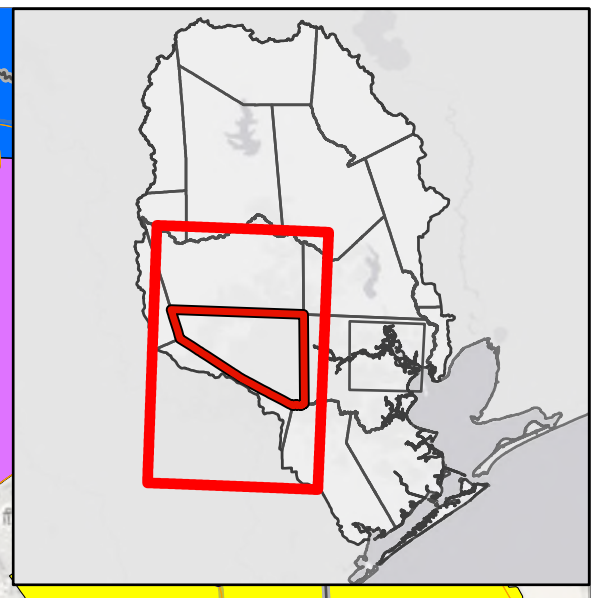
Recommended Flood Mitigation Projects - Harris County Ship Channel

N W E S

MAP 20
FIGURE 13 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMP are not visible.
More detail on all FMP can be found in Appendix 5A.



Cypress Farms Lake Number 1
Hegar Lake
Addicks Reservoir
Tucker Lake
Barker Reservoir
HARRIS
KATY OIL AND GAS FIELD
FULSHEAR OIL FIELD
OIL CREEK OIL FIELD
THOMPSONS OIL FIELD
Katy
Houston
Stafford
Sugar Land
Missouri City
Richmond
Rosenberg
Thompsons
Pecan Grove
Fairchilds
Pleak
Smithers Lake
Brazos Bend SP
Kitty Hollow Park
Westpark Tlwy
Park
Sam Houston Tlwy
99
249
8
290
610
10
90
69
6
288

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road

Flood Mitigation Project Type

- Infrastructure
- Channel
- Preparedness
- Detention Pond
- Other
- Comprehensive
- Coastal

0 1.25 2.5 5 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

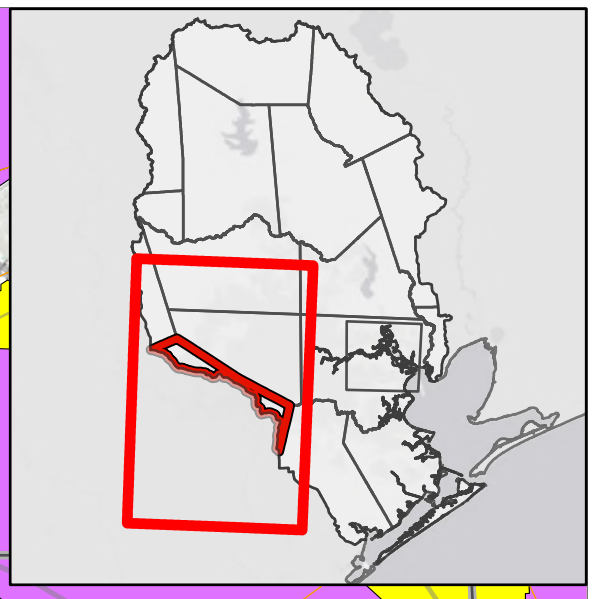
Recommended Flood Mitigation Projects - SW Harris County

N W E S

MAP 20
FIGURE 14 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMP are not visible.
More detail on all FMP can be found in Appendix 5A.



Cypress Farms Lake Number 1
Hegar Lake
Addicks Reservoir
Tucker Lake
Barker Reservoir
Katy
Houston
Stafford
Sugar Land
Missouri City
Pecan Grove
Richmond
Rosenberg
Thompsons
Pleak
Fairchilds
Needville
Simonton
Brookshire
Westpark Hwy
Park
Sam Houston Tollway
Kitty Hollow Park
Smithers Lake
Brazos Bend SP
Guy
Cedar Creek
KATY OIL AND GAS FIELD
FULSHEAR OIL FIELD
ORCHARD DOME OIL AND GAS FIELD
OIL CREEK OIL FIELD
THOMPSONS OIL FIELD
241 ft
HARRIS
36th Division Memorial Hwy

99 249 290 8 610 90 10 6 69 59 36 288

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road

Flood Mitigation Project Type

- Infrastructure
- Channel
- Preparedness
- Detention Pond
- Other
- Comprehensive
- Coastal

0 1.25 2.5 5 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

Recommended Flood Mitigation Projects - Fort Bend County

N W E S

MAP 20
FIGURE 15 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMP are not visible.
More detail on all FMP can be found in Appendix 5A.

610
225
8
3
146
96
6
45
288
35

Pasa
Pearland
Friendswood
League City
Alvin
La Marque

Mustang Lake East
Mustang Lake West
Mustang Lake East
Monsanto Reservoir
Duck Lake

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road

Flood Mitigation Project Type

- Infrastructure
- Channel
- Preparedness
- Detention Pond
- Other
- Comprehensive
- Coastal

0 1 2 4
Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

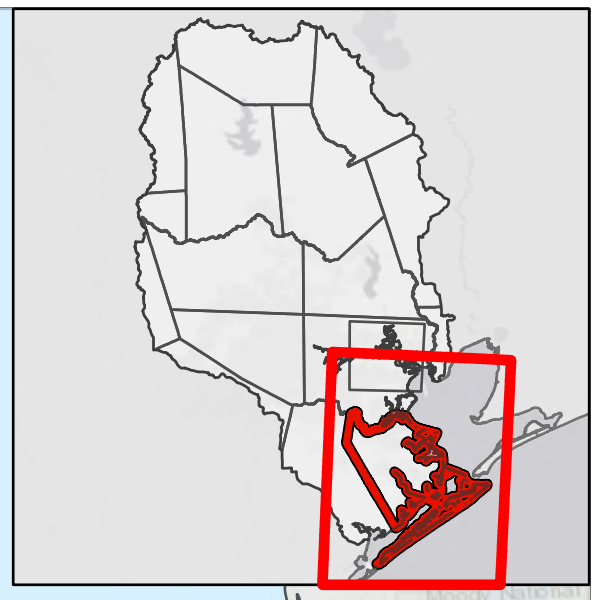
Recommended Flood Mitigation Projects - Brazoria County

N
W E
S

MAP 20
FIGURE 16 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMP are not visible.
More detail on all FMP can be found in Appendix 5A.



99
225
8
3
96
35
146
87
6
168
275
45

La Porte
Pasadena
Friendswood
League City
Texas City
Alvin
La Marque
Galveston

Galveston County Industrial Water Reservoir
Mustang Lake East
Mustang Lake West
Monsanto Reservoir

Beach City
Moody National Wildlife Refuge
Port Bolivar

Legend

- Map Book Page Index
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road

Flood Mitigation Project Type

- Infrastructure
- Channel
- Preparedness
- Detention Pond
- Other
- Comprehensive
- Coastal

0 1.25 2.5 5 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

Recommended Flood Mitigation Projects - Galveston County

N W E S

MAP 20
FIGURE 17 of 17

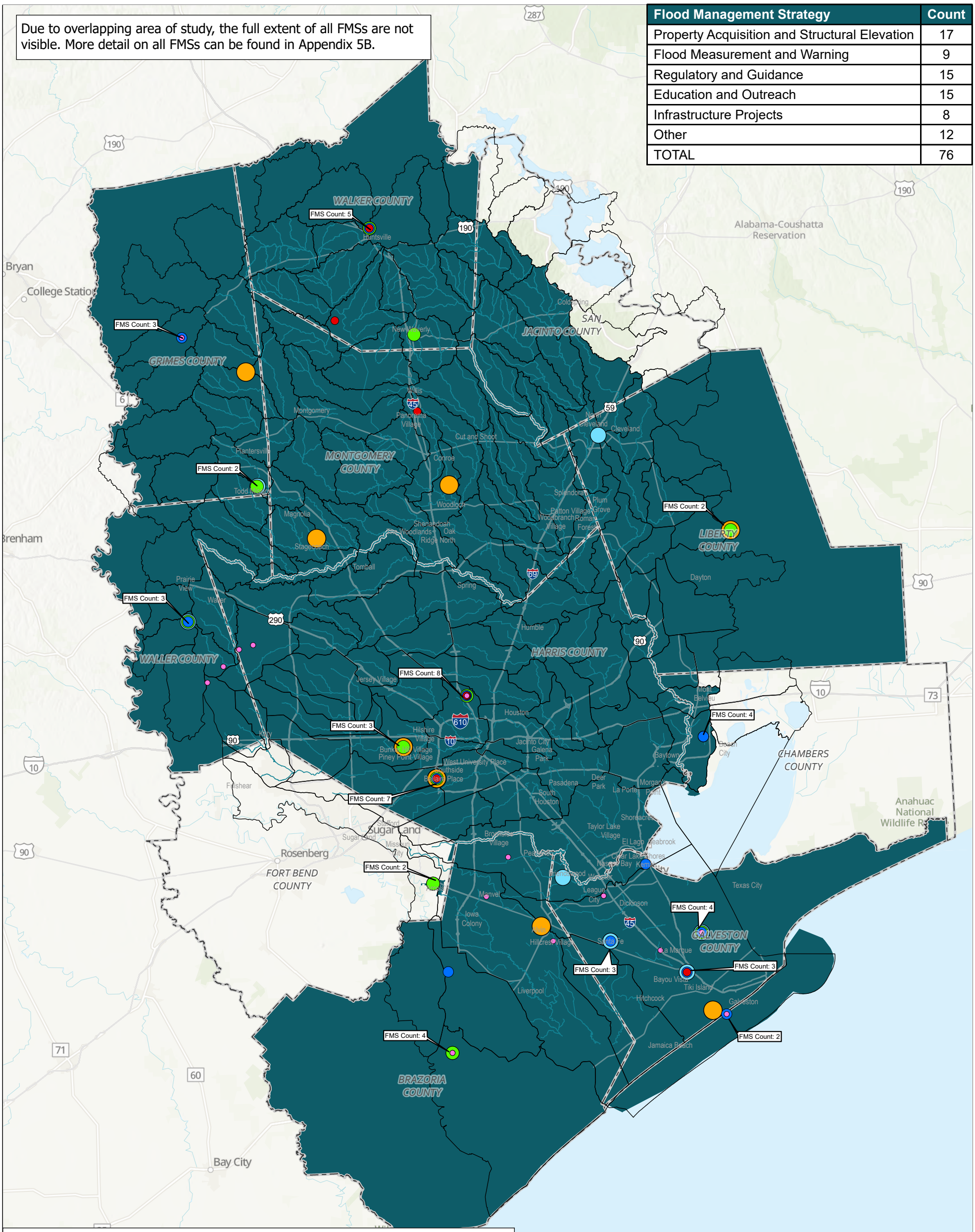
Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Appendix 5-3:

Map 21- Recommended FMSs

Due to overlapping area of study, the full extent of all FMSs are not visible. More detail on all FMSs can be found in Appendix 5B.

Flood Management Strategy	Count
Property Acquisition and Structural Elevation	17
Flood Measurement and Warning	9
Regulatory and Guidance	15
Education and Outreach	15
Infrastructure Projects	8
Other	12
TOTAL	76


WALKER COUNTY
FMS Count: 5
Huntsville
FMS Count: 3
GRIMES COUNTY
FMS Count: 2
MONTGOMERY COUNTY
FMS Count: 3
WALLER COUNTY
FMS Count: 8
HARRIS COUNTY
FMS Count: 3
FMS Count: 7
FMS Count: 2
FORT BEND COUNTY
FMS Count: 4
BRAZORIA COUNTY
SAN JACINTO COUNTY
FMS Count: 2
LIBERTY COUNTY
FMS Count: 4
CHAMBERS COUNTY
FMS Count: 4
GALVESTON COUNTY
FMS Count: 3
FMS Count: 3
FMS Count: 2
Alabama-Coushatta Reservation
Anahuac National Wildlife R
Bryan
College Station
Brenham
Bay City
Rosenberg
Sugar Land
Conroe
Cleveland
Dayton
Texas City
Galveston
Montgomery
Plantersville
Magnolia
Stagecoach
Tomball
Prairie View
Waller
Katy
Fulshear
Jersey Village
Houston
Spring
Humble
Willis
New Waverly
Coldspring
Woodlock
Cut and Shoot
Panorama Village
Splendora
Plum Grove
Patton Village
Woodbranch Village
Roman Forest
Shenandoah
Woodlands
Oak Ridge North
Hilshire Village
Bunker Hill Village
Piney Point Village
West University Place
Southside Place
Jacinto City
Galena Park
Pasadena
Deer Park
La Porte
Morgan's Point
Baytown
Mont Belvieu
South Houston
Taylor Lake Village
El Lago
Seabrook
Kemah
Clear Lake Shores
Nassau Bay
Webster
League City
Dickinson
Manvel
Iowa Colony
Hillcrest Village
Santa Fe
La Marque
Bayou Vista
Tiki Island
Hitchcock
Jamaica Beach
Liverpool
Stafford
Missouri City
Meadows Place
Brookside Village
Shoreacres
Cloverleaf
Barrett
Channelview
Crosby
Highlands
Beach City
Old River-Winfree
Mont Belvieu
Cove
Anahuac
Wallisville
Hardin
Devers
Liberty
Dayton
Cleveland
Conroe
Huntsville
Tomball
Spring
Humble
Houston
Katy
Sugar Land
Rosenberg
Bay City
Galveston
Texas City
Baytown
Pasadena
Deer Park
La Porte
Clear Lake Shores
Kemah
Seabrook
Nassau Bay
League City
Dickinson
Santa Fe
Hitchcock
Jamaica Beach
Tiki Island
Bayou Vista
Liverpool
Iowa Colony
Manvel
Meadows Place
Stafford
Missouri City
Brookside Village
Shoreacres
Taylor Lake Village
El Lago
Webster

Due to overlaping area of study the full extent of all FMS are not visible.
More detail on all FMS can be found in Appendix 5B.

Huntsville
Walker CO
West Fork San Jacinto River
San Jacinto CO
Grimes CO
Lake Baygall
Lewis Creek Reservoir
Lake Paula
East Fork San Jacinto River
Conroe
Montgomery CO
The Woodlands
Liberty CO
Spring
Lake Houston
Humble
Lake Houston
Cypress Farms Lake
Number 1
Hegar Lake
Waller CO
Harris CO
Lake Houston
Sheldon Reservoir
San Jacinto River
Highlands Reservoir
Chambers CO
Addicks Reservoir
Katy
Houston
Jacinto City
Lynchburg Reservoir
Baytown
Tucker Lake
Barker Reservoir
La Porte
Pasadena
Stafford
Sugar Land
Missouri City
Pearland
Friendswood
League City
Galveston County Industrial Water Reservoir
Alvin
Galveston CO
Texas City
La Marque
Mustang Lake East
Mustang Lake West
Monsanto Reservoir
Brazoria CO
Galveston

19 190 156 30 90 150 59 75 146 45 105 242 321 69 99 249 290 8 10 610 225 3 96 6 288 35 87 168 275

Legend

- County Boundary
- San Jacinto River
- Reservoir
- HUC12
- City
- Major Road

Flood Management Strategy Type

- Education and Outreach
- Infrastructure Projects
- Other
- Regulatory and Guidance
- Flood Measurement and Warning
- Property Acquisition and Structural Elevation

0 3 6 12 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

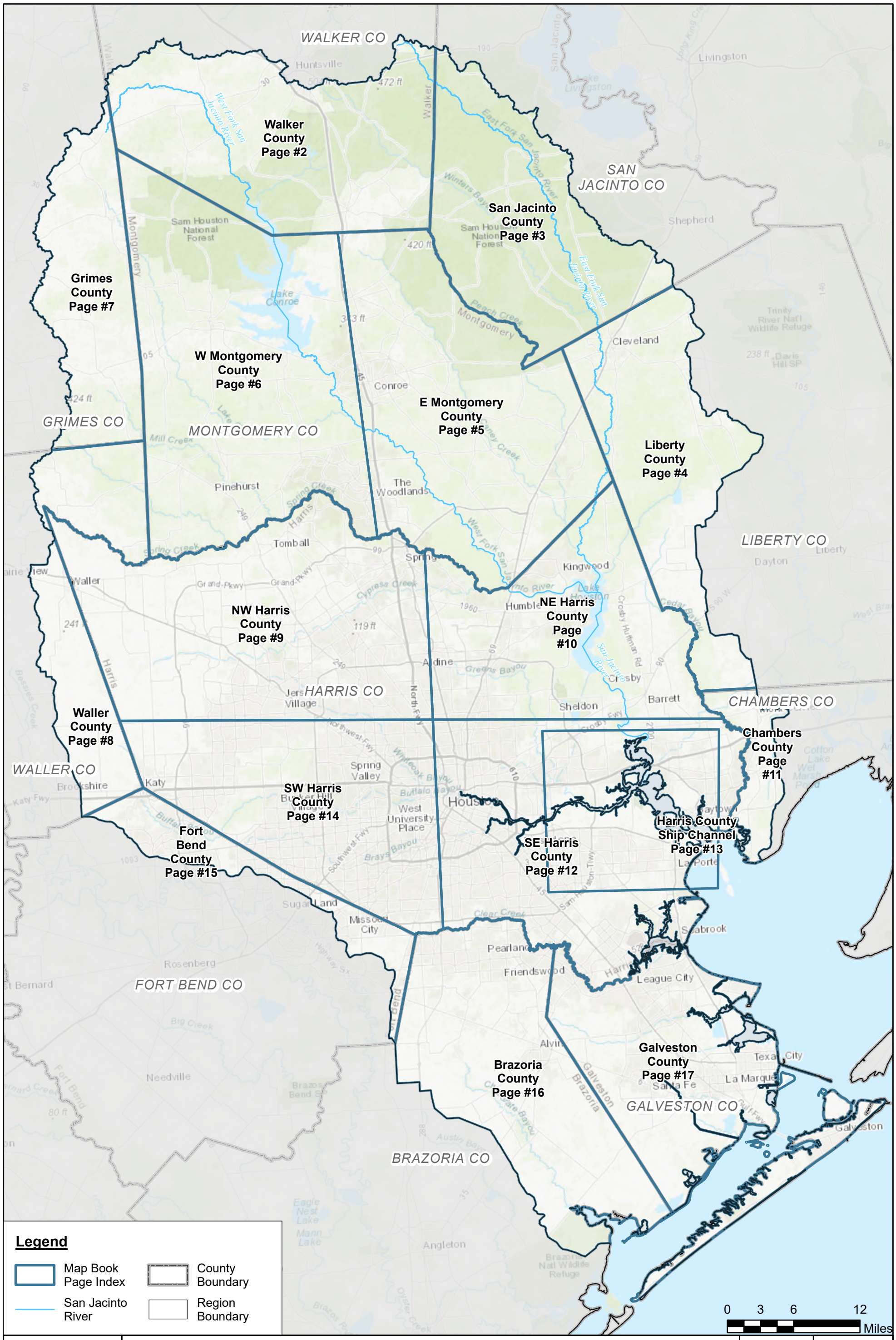
San Jacinto Regional Flood Plan

Recommended Flood Management Strategies

N W E S

MAP 21
Overview

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

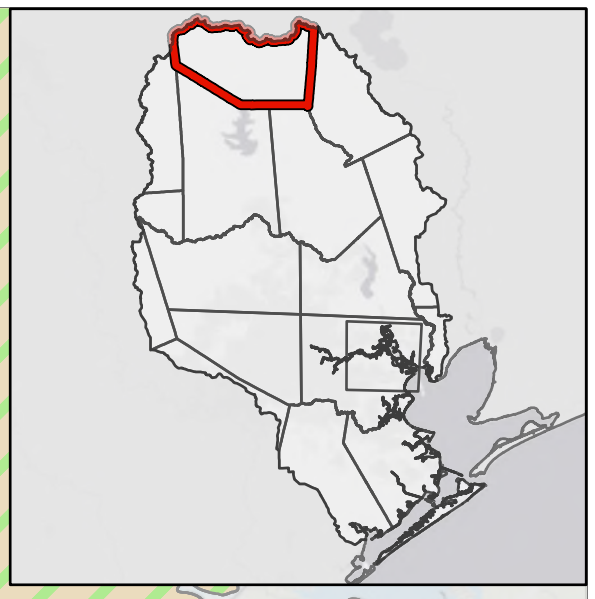
Recommended Flood Management Strategies - Index

N W E S

MAP 21
FIGURE 1 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMS are not visible.
More detail on all FMS can be found in Appendix 5B.



Midway
Larrison Creek
MADISON
Caney Creek
Oakhurst
Huntsville
West Fork San Jacinto River
Conroe

Legend

- Map Book Page Index
- San Jacinto River
- City

Flood Management Strategy Type

- Education and Outreach
- Infrastructure Projects
- Other
- Regulatory and Guidance
- Flood Measurement and Warning
- Property Acquisition and Structural Elevation

0 1.25 2.5 5 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

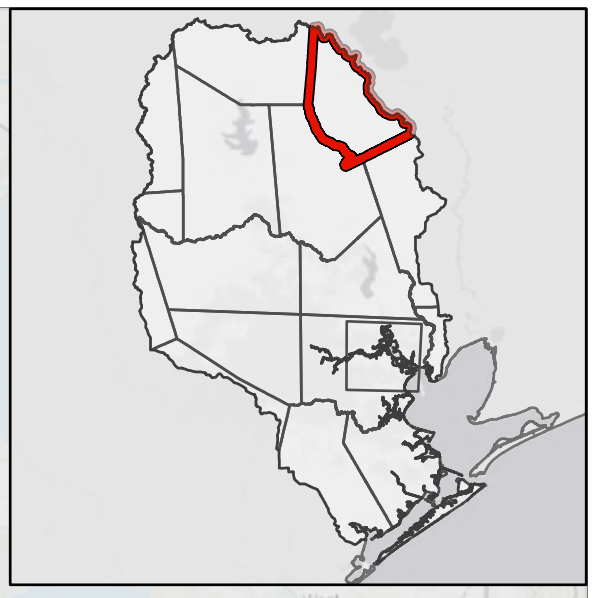
Recommended Flood Management Strategies - Walker County

N W E S

MAP 21
FIGURE 2 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMS are not visible.
More detail on all FMS can be found in Appendix 5B.



Poots Creek
Palmetto Creek
POLK
Onalaska
190
SAN JACINTO
Point Blank
Oakhurst
Dobbins Creek
Stephen Creek
SAN JACINTO
Lake Livingston
West Livingston
423 ft
Coldspring
East Fork San Jacinto River
Hurtman Creek
Henry Lake Branch
Little Creek
Yates Creek
Big Creek
Shepherd

Legend

- Map Book Page Index
- San Jacinto River
- City

Flood Management Strategy Type

- Education and Outreach
- Infrastructure Projects
- Other
- Regulatory and Guidance
- Flood Measurement and Warning
- Property Acquisition and Structural Elevation

0 1 2 4 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

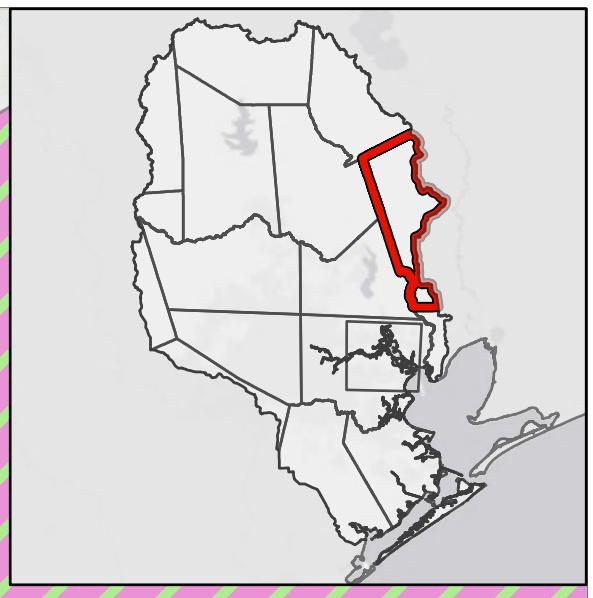
Recommended Flood Management Strategies - San Jacinto County

N W E S

MAP 21
FIGURE 3 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMS are not visible.
More detail on all FMS can be found in Appendix 5B.



West Fork San Jacinto River

East Fork San Jacinto River

West Fork San Jacinto River

Humble

San Jacinto River

Legend

- Map Book Page Index
- San Jacinto River
- City

Flood Management Strategy Type

- Education and Outreach
- Infrastructure Projects
- Other
- Regulatory and Guidance
- Flood Measurement and Warning
- Property Acquisition and Structural Elevation

0 1 2 4
Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

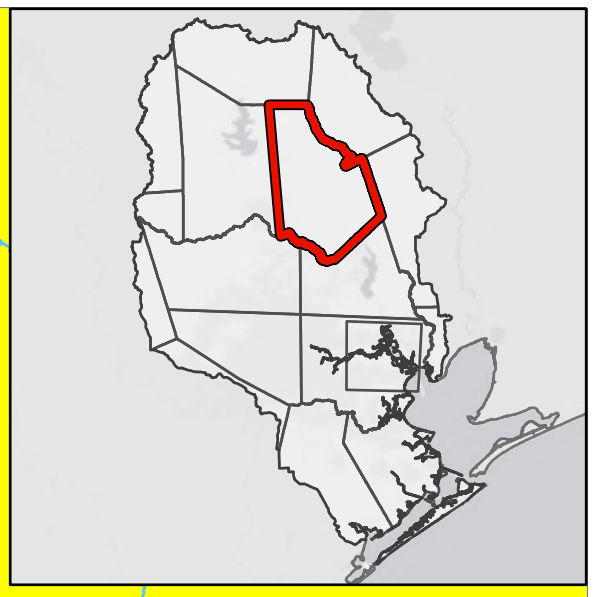
Recommended Flood Management Strategies - Liberty County

N
W E
S

MAP 21
FIGURE 4 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMS are not visible.
More detail on all FMS can be found in Appendix 5B.



Conroe

The Woodlands

Spring

Humble

West Fork San Jacinto River

East Fork San Jacinto River

San Jacinto River

0 1 2 4
Miles

Legend

- Map Book Page Index
- San Jacinto River
- City

Flood Management Strategy Type

- Education and Outreach
- Infrastructure Projects
- Other
- Regulatory and Guidance
- Flood Measurement and Warning
- Property Acquisition and Structural Elevation

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

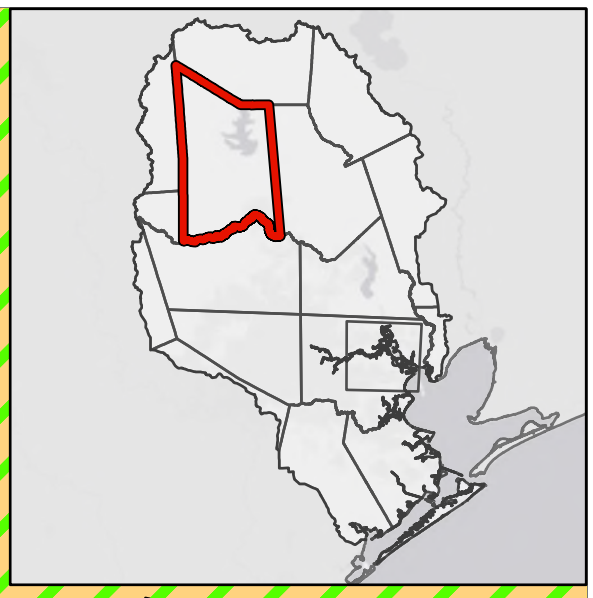
Recommended Flood Management Strategies - E Montgomery County

N W E S

MAP 21
FIGURE 5 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMS are not visible.
More detail on all FMS can be found in Appendix 5B.



West Fork San Jacinto River

West Fork San Jacinto River

Conroe

The Woodlands

Legend

- Map Book Page Index
- San Jacinto River
- City

Flood Management Strategy Type

- Education and Outreach
- Infrastructure Projects
- Other
- Regulatory and Guidance
- Flood Measurement and Warning
- Property Acquisition and Structural Elevation

0 1 2 4 Miles

N W E S

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

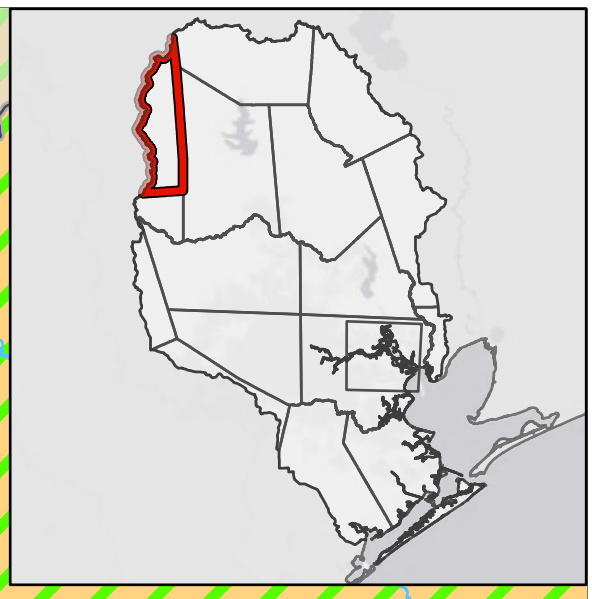
San Jacinto Regional Flood Plan

Recommended Flood Management Strategies - W Montgomery County

MAP 21
FIGURE 6 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMS are not visible.
More detail on all FMS can be found in Appendix 5B.



Legend

- Map Book Page Index
- San Jacinto River
- City

Flood Management Strategy Type

- Education and Outreach
- Infrastructure Projects
- Other
- Regulatory and Guidance
- Flood Measurement and Warning
- Property Acquisition and Structural Elevation

0 1 2 4 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

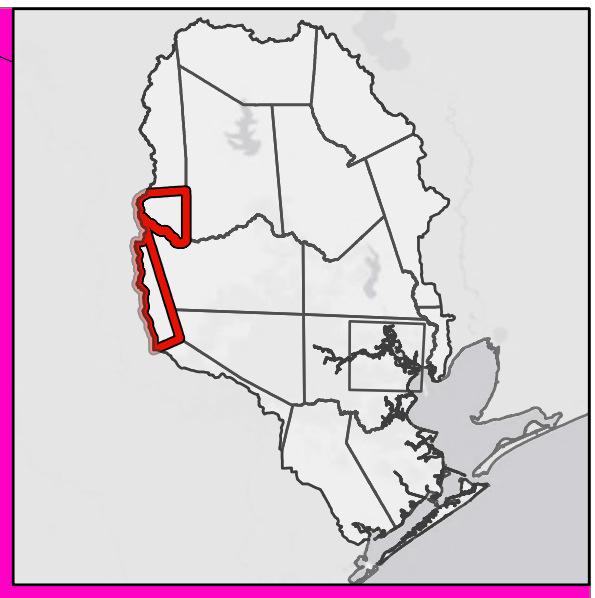
Recommended Flood Management Strategies - Grimes County

N W E S

MAP 21
FIGURE 7 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMS are not visible.
More detail on all FMS can be found in Appendix 5B.



Katy

FULSHEAR OIL FIELD

Legend

- Map Book Page Index
- San Jacinto River
- City

Flood Management Strategy Type

- Education and Outreach
- Infrastructure Projects
- Other
- Regulatory and Guidance
- Flood Measurement and Warning
- Property Acquisition and Structural Elevation

0 1 2 4 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

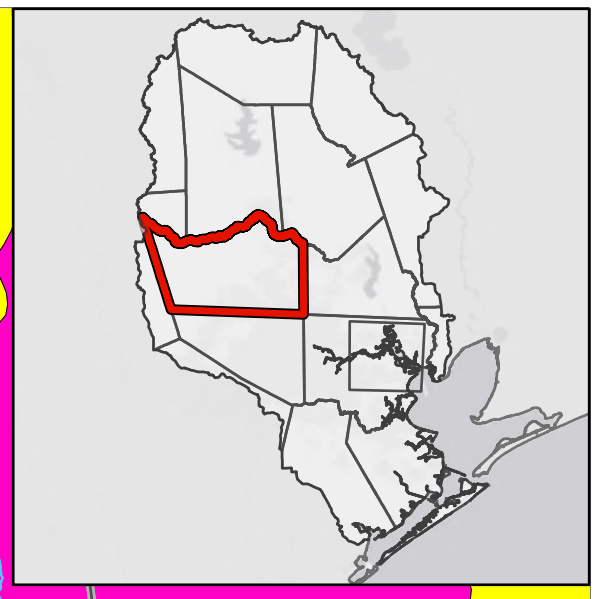
Recommended Flood Management Strategies - Waller County

N W E S

MAP 21
FIGURE 8 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMS are not visible.
More detail on all FMS can be found in Appendix 5B.



West Fork San Jacinto River

The Woodlands

Spring

Katy

Houston

Stafford

Sugar Land

Missouri City

FULSHEAR OIL FIELD

Westpark Tlwy

George Bush Park

Pecan Grove

Richmond

Rosenberg

FORT BEND

0 1.5 3 6 Miles

Legend

- Map Book Page Index
- San Jacinto River
- City

Flood Management Strategy Type

- Education and Outreach
- Infrastructure Projects
- Other
- Regulatory and Guidance
- Flood Measurement and Warning
- Property Acquisition and Structural Elevation

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

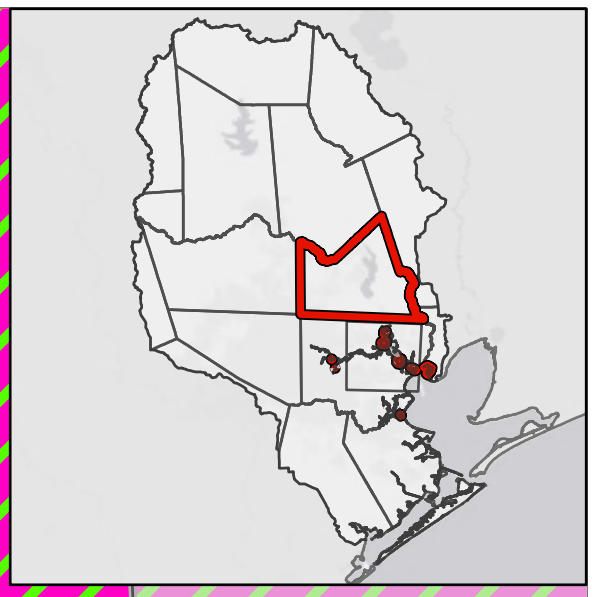
Recommended Flood Management Strategies - NW Harris County

N W E S

MAP 21
FIGURE 9 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMS are not visible.
More detail on all FMS can be found in Appendix 5B.



West Fork San Jacinto River

East Fork San Jacinto River

San Jacinto River

Spring

Humble

Houston

Jacinto City

Baytown

La Porte

Pasadena

Galveston Bay

Pearland

Friendswood

League City

0 1.25 2.5 5 Miles

Legend

- Map Book Page Index
- San Jacinto River
- City

Flood Management Strategy Type

- Education and Outreach
- Infrastructure Projects
- Other
- Regulatory and Guidance
- Flood Measurement and Warning
- Property Acquisition and Structural Elevation

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

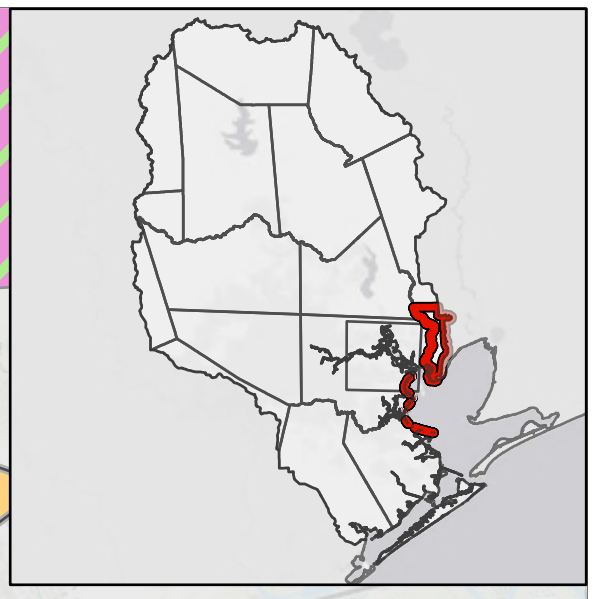
Recommended Flood Management Strategies - NE Harris County

N W E S

MAP 21
FIGURE 10 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMS are not visible.
More detail on all FMS can be found in Appendix 5B.



Eagle Point Golf Club
San Jacinto River
73
Cove
Cotton Lake
Dutton Lake
Baytown
La Porte
Beach City
Trinity Bay
Galveston Bay

Legend

- Map Book Page Index
- San Jacinto River
- City

Flood Management Strategy Type

- Education and Outreach
- Infrastructure Projects
- Other
- Regulatory and Guidance
- Flood Measurement and Warning
- Property Acquisition and Structural Elevation

0 0.75 1.5 3 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

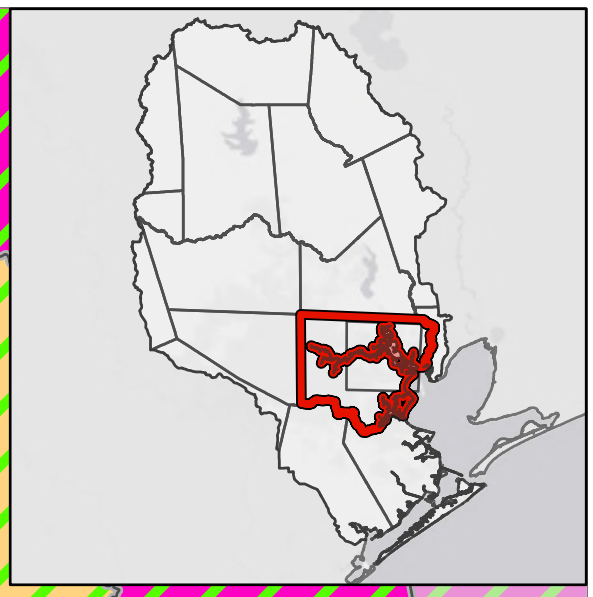
Recommended Flood Management Strategies - Chambers County

N W E S

MAP 21
FIGURE 11 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMS are not visible.
More detail on all FMS can be found in Appendix 5B.



Humble
Houston
Jacinto City
Baytown
La Porte
Pasadena
Pearland
Friendswood
League City
Texas City
La Marque
Alvin
Galveston Bay
San Jacinto River
East Fork San Jacinto River

Legend

- Map Book Page Index
- San Jacinto River
- City

Flood Management Strategy Type

- Education and Outreach
- Infrastructure Projects
- Other
- Regulatory and Guidance
- Flood Measurement and Warning
- Property Acquisition and Structural Elevation

0 1.25 2.5 5 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

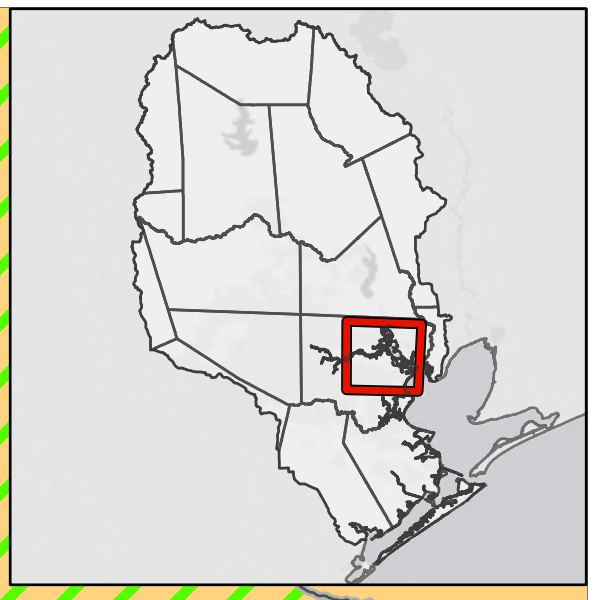
Recommended Flood Management Strategies - SE Harris County

N W E S

MAP 21
FIGURE 12 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMS are not visible.
More detail on all FMS can be found in Appendix 5B.



San Jacinto River

Jacinto City

Pasadena

La Porte

Baytown

Legend

- Map Book Page Index
- San Jacinto River
- City

Flood Management Strategy Type

- Education and Outreach
- Infrastructure Projects
- Other
- Regulatory and Guidance
- Flood Measurement and Warning
- Property Acquisition and Structural Elevation

0 0.75 1.5 3 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

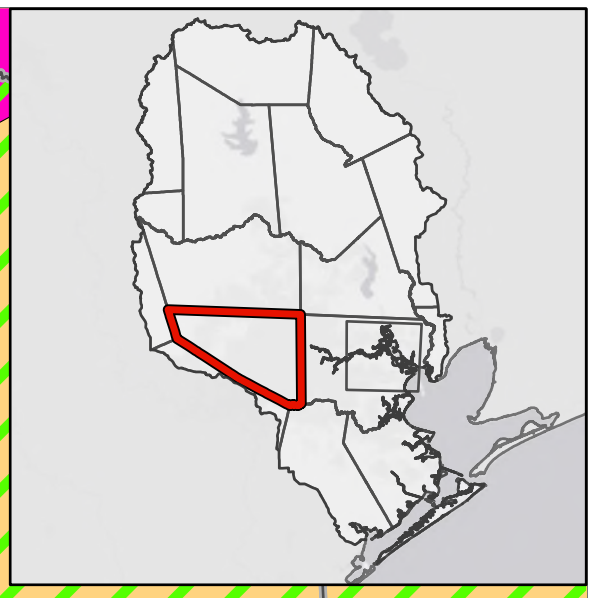
Recommended Flood Management Strategies - Harris County Ship Channel

N W E S

MAP 21
FIGURE 13 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMS are not visible.
More detail on all FMS can be found in Appendix 5B.



Katy
Houston
Stafford
Sugar Land
Missouri City
Rosenberg
Richmond
Pleak
Thompsons
Fairchilds
Guy
Pecan Grove
Smithers Lake
Brazos Bend SP
Kitty Hollow Park
FULSHEAR OIL FIELD
OIL CREEK OIL FIELD
THOMPSONS OIL FIELD
Westpark Tlwy
George Bush Park
FORT BEND

Legend

- Map Book Page Index
- San Jacinto River
- City

Flood Management Strategy Type

- Education and Outreach
- Infrastructure Projects
- Other
- Regulatory and Guidance
- Flood Measurement and Warning
- Property Acquisition and Structural Elevation

0 1.25 2.5 5 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

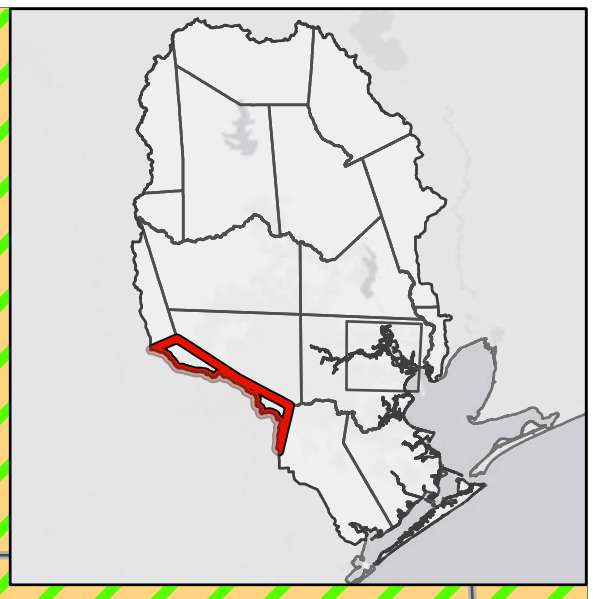
Recommended Flood Management Strategies - SW Harris County

N W E S

MAP 21
FIGURE 14 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMS are not visible.
More detail on all FMS can be found in Appendix 5B.



Katy
Houston
Stafford
Sugar Land
Missouri City
Rosenberg
Richmond
Pecan Grove
Mission Bend
Simonton
Pleak
Needville
Fairchilds
Thompsons
Smithers Lake
Brazos Bend SP
Guy
FULSHEAR OIL FIELD
ORCHARD DOME OIL AND GAS FIELD
OIL CREEK OIL FIELD
THOMPSONS OIL FIELD
George Bush Park
Westpark Tlwy
36th Division Memorial Hwy
San Bernard River
FORT BEND

Legend

- Map Book Page Index
- San Jacinto River
- City

Flood Management Strategy Type

- Education and Outreach
- Infrastructure Projects
- Other
- Regulatory and Guidance
- Flood Measurement and Warning
- Property Acquisition and Structural Elevation

0 1.25 2.5 5 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

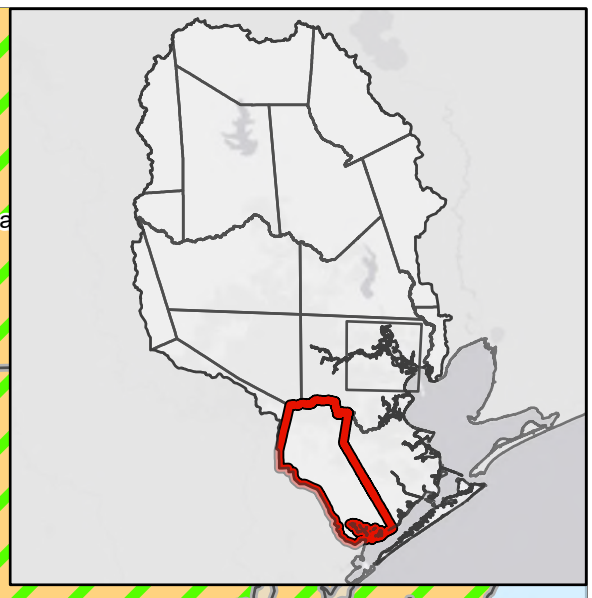
Recommended Flood Management Strategies - Fort Bend County

N W E S

MAP 21
FIGURE 15 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMS are not visible.
More detail on all FMS can be found in Appendix 5B.



Pasa

Pearland

Friendswood

League City

Alvin

La Marque

Mustang Bayou

FORT BEND

Legend

- Map Book Page Index
- San Jacinto River
- City

Flood Management Strategy Type

- Education and Outreach
- Infrastructure Projects
- Other
- Regulatory and Guidance
- Flood Measurement and Warning
- Property Acquisition and Structural Elevation

0 1 2 4 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

Recommended Flood Management Strategies - Brazoria County

N W E S

MAP 21
FIGURE 16 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Due to overlaping area of study the full extent of all FMS are not visible.
More detail on all FMS can be found in Appendix 5B.

La Porte
Pasadena
Galveston Bay
Friendswood
League City
Texas City
Alvin
La Marque
Galveston

Legend

- Map Book Page Index
- San Jacinto River
- City

Flood Management Strategy Type

- Education and Outreach
- Infrastructure Projects
- Other
- Regulatory and Guidance
- Flood Measurement and Warning
- Property Acquisition and Structural Elevation

0 1.25 2.5 5 Miles

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

San Jacinto Regional Flood Plan

Recommended Flood Management Strategies - Galveston County

MAP 21
FIGURE 17 of 17

Coordinate System: NAD 1983 2011 Texas Centric Mapping System Lambert

Appendix 5-5:

FMX One-Page Summaries

Appendix 5-5A:

One-Page Summaries of Recommended FMPs

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3
ID#	063000026
Sponsor	06003147
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

The LCC Alt. Combination 3 as proposed as part of the LCCDBFMP (2021), including detention channel benching, a diversion tunnel, capacity improvements, and an auxiliary opening.

Watershed HUC# (if known)	06000107, 06000106	Emergency Need?	No
		Drainage area (mi² est.)	109.51
Associated FME's	999999	County	Brazoria,Galveston,Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	10,260	# of structures	3,642	Critical facilities	18				
Farm/Ranch land impacted (acres)	16.11	Roadway(s) impacted (length)	118.62						
Number of low water crossings	9	Historical road closures	9						

100-Year Flood Risk Reduction

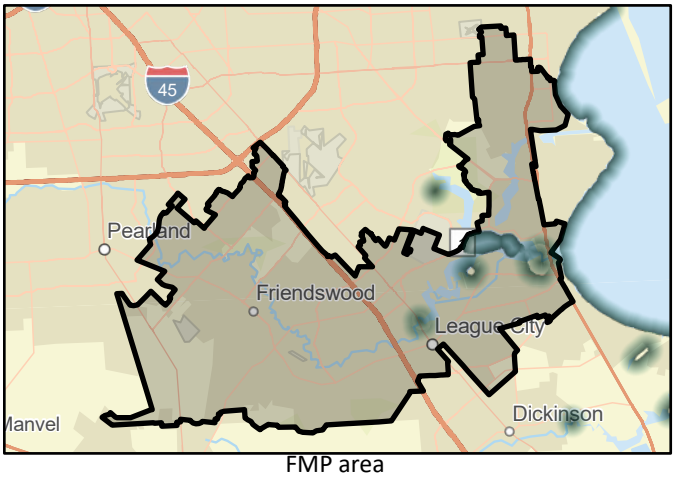
Population removed from 100-yr	3,653	# of structures removed from 100-yr	911
Critical facilities removed from 100-yr	8	Farm/Ranch land removed from 100-yr (acres)	16
Road removed from 100-yr (miles)	26.00	Low water crossings removed from 100-yr	1
Other benefits		Reduction in # of road closures over 10 years	1

Impacts

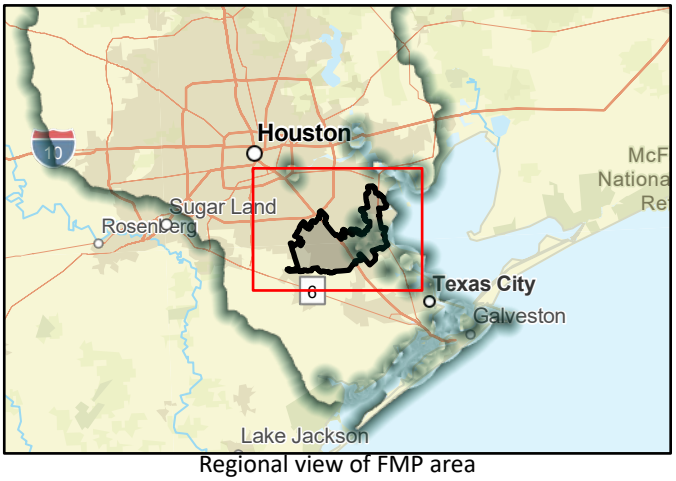
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	1,150,000,000.00	% Nature-Based	0.00	BCR	0.06
Recurring costs	69,673,000.00	Issues	Right-of-Way, Permitting, Acquisitions, Relocations, Utility Conflicts		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown
ID#	063000027
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Projects submitted as part of the CDBG MIT grant in the Brays Bayou Watershed which include regional channel and detention projects including D133 (Bintliff Ditch) and Sharpstown Drainage.

Watershed HUC# (if known)	06000083	Emergency Need?	Yes
		Drainage area (mi² est.)	128.21
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No

Population at risk	6,750	# of structures	267	Critical facilities	26
Farm/Ranch land impacted (acres)	0.01	Roadway(s) impacted (length)	34.19		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

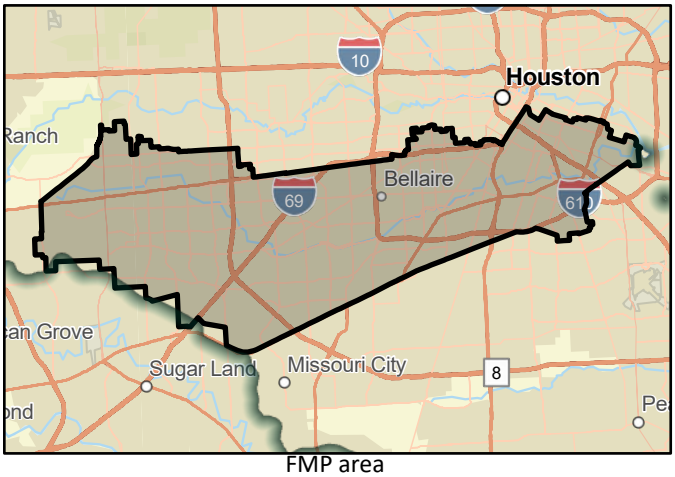
Population removed from 100-yr	2,890	# of structures removed from 100-yr	160
Critical facilities removed from 100-yr	4	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	5.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

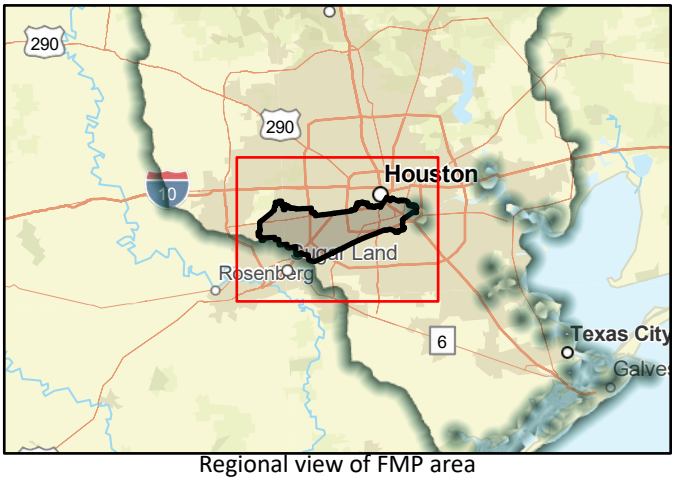
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	107,061,000.00	% Nature-Based	0.00	BCR	0.13
Recurring costs	6,487,000.00	Issues	Right-of-Way, Acquisitions, Utility Conflicts		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel		
ID#	063000037	Sponsor	00000310
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Projects submitted as part of the CDBG MIT grant in the Sims Bayou Watershed which include three (3) regional channel and detention projects including C147/C547, Saltwater Ditch, and C506.

Watershed HUC# (if known)	06000095, 06000084, 06000086, 06000085, 06000109, 06000106	Emergency Need?	Yes
		Drainage area (mi² est.)	98.46
Associated FME's	999999	County	Fort Bend,Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk	14,516	# of structures	4,367	Critical facilities	59				
Farm/Ranch land impacted (acres)	2.47	Roadway(s) impacted (length)	55.45						
Number of low water crossings	4	Historical road closures	4						

100-Year Flood Risk Reduction

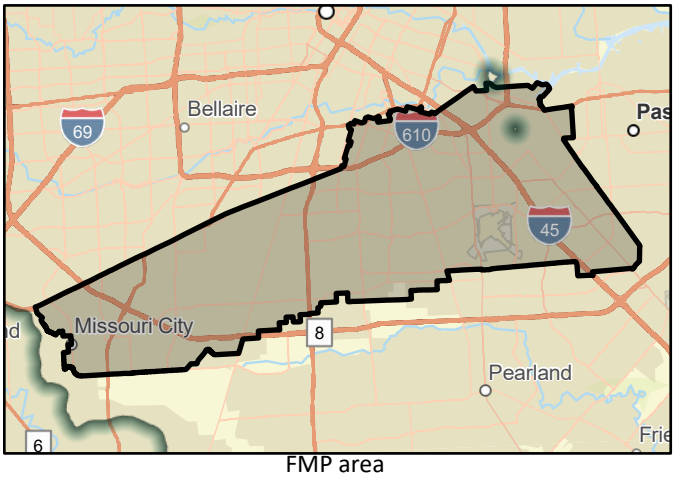
Population removed from 100-yr	9,352	# of structures removed from 100-yr	2,283
Critical facilities removed from 100-yr	32	Farm/Ranch land removed from 100-yr (acres)	2
Road removed from 100-yr (miles)	17.00	Low water crossings removed from 100-yr	2
Other benefits		Reduction in # of road closures over 10 years	2

Impacts

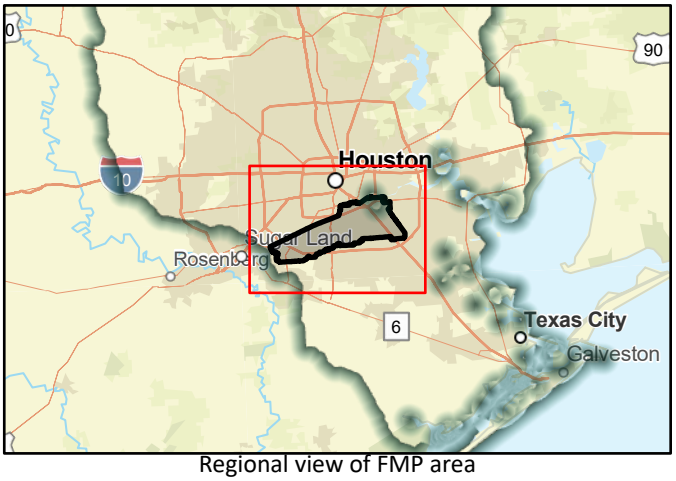
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	99,653,000.00	% Nature-Based	0.00	BCR	1.80
Recurring costs	6,038,000.00	Issues	Right-of-Way, Permitting, Acquisitions, Utility Conflicts		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Halls Bayou Watershed Mitigation Application 1 - CDBG MIT
ID#	063000040
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Projects submitted as part of the CDBG MIT grant in Halls Bayou which include five (5) regional channel and detention projects including C-28, C-41 Hardy West, C-41 Mainstem, C-30, and C-23.

Watershed HUC# (if known)	06000091, 06000087, 06000079, 06000090, 06000092, 06000081, 06000089, 06000093	Emergency Need?	Yes
		Drainage area (mi² est.)	44.45
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	43,667	# of structures	15,541	Critical facilities	96				
Farm/Ranch land impacted (acres)	0.04	Roadway(s) impacted (length)	138.51						
Number of low water crossings	7	Historical road closures	7						

100-Year Flood Risk Reduction

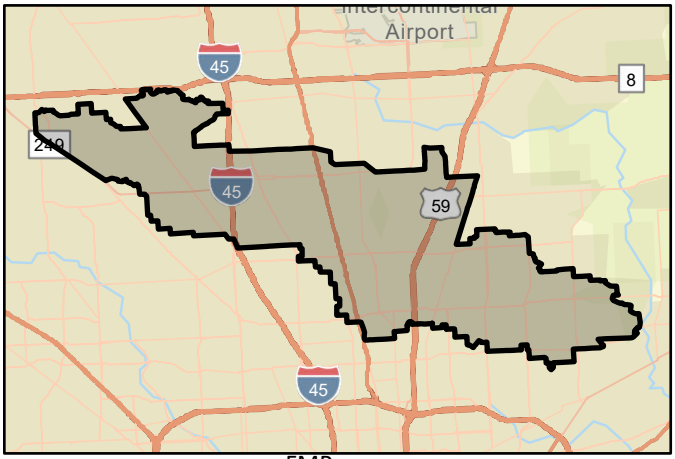
Population removed from 100-yr	9,386	# of structures removed from 100-yr	3,023
Critical facilities removed from 100-yr	6	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	17.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

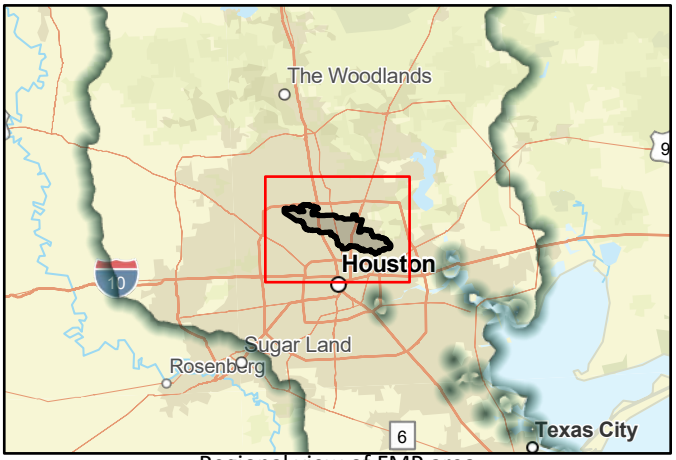
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	99,653,000.00	% Nature-Based	0.00	BCR	1.46
Recurring costs	6,038,000.00	Issues	Right-of-Way, Acquisition, Utility Conflicts, Environmental Concerns		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak
ID#	063000046
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Projects submitted as part of the CDBG MIT grant in the White Oak Bayou Watershed which include five (5) regional channel and detention projects including Kolbe Road, Barwood, E132-00-00, Tower Oaks, & Little White Oak Bayous.

Watershed HUC# (if known)	06000029, 06000031, 06000087, 06000082, 06000079, 06000090, 06000080, 06000081, 06000078, 06000093
Emergency Need?	Yes
Drainage area (mi² est.)	110.70
Associated FME's	999999
County	Harris
Associated FMS's	999999
Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No

Population at risk	10,513	# of structures	2,937	Critical facilities	41
Farm/Ranch land impacted (acres)	0.01	Roadway(s) impacted (length)	47.31		
Number of low water crossings	4	Historical road closures	4		

100-Year Flood Risk Reduction

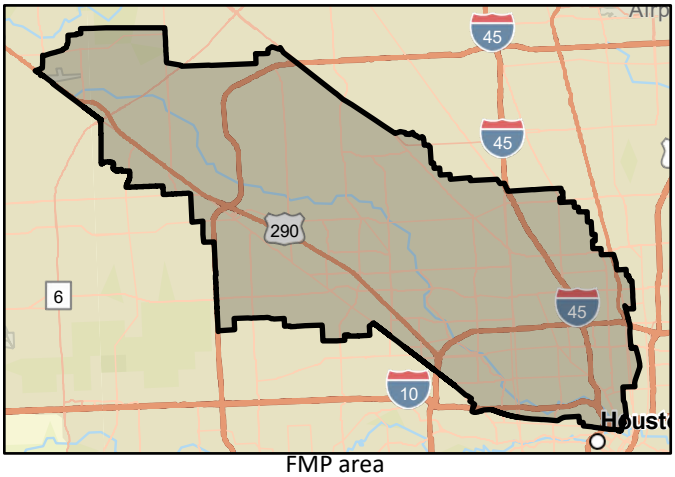
Population removed from 100-yr	3,899	# of structures removed from 100-yr	670
Critical facilities removed from 100-yr	3	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	7.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	120,015,000.00	% Nature-Based	0.00	BCR	0.80
Recurring costs	7,272,000.00	Issues	Right-of-Way, Permitting, Acquisitions, Transportation Conflicts, Environmental		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Mary's Creek Lower, Middle, and Upper Segment		
ID#	063000056	Sponsor	06002790
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

A part of the Pearland Master Drainage Plan (2019), this channel improvement alternative includes channel benching to increase conveyance capacity, bridge/culvert replacement to remove hydraulic restrictions, and regional detention to provide mitigation.

Watershed HUC# (if known)	06000106	Emergency Need?	No
		Drainage area (mi² est.)	17.14
Associated FME's	999999	County	Brazoria,Galveston
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	6,644	# of structures	2,711	Critical facilities	9				
Farm/Ranch land impacted (acres)	8.50	Roadway(s) impacted (length)	54.01						
Number of low water crossings	1	Historical road closures	1						

100-Year Flood Risk Reduction

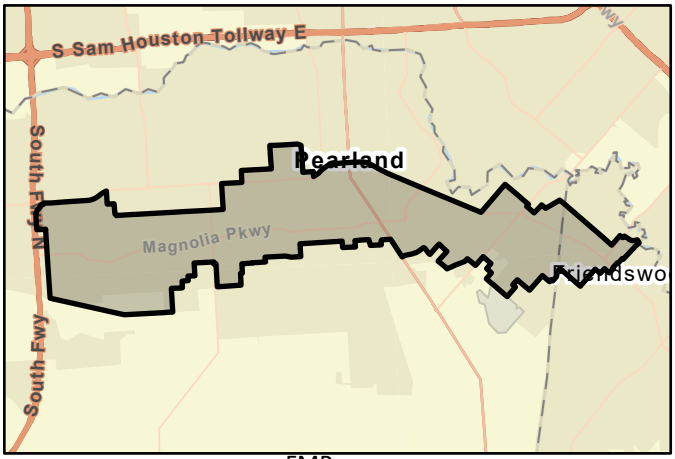
Population removed from 100-yr	7,614	# of structures removed from 100-yr	2,324
Critical facilities removed from 100-yr	6	Farm/Ranch land removed from 100-yr (acres)	9
Road removed from 100-yr (miles)	34.00	Low water crossings removed from 100-yr	1
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

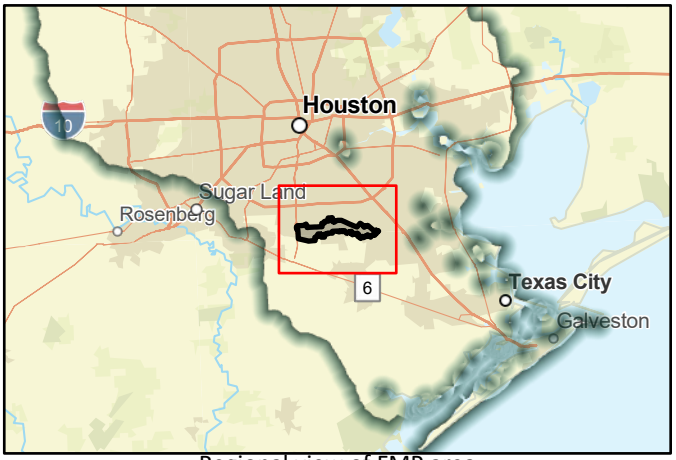
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	154,040,000.00	% Nature-Based	0.00	BCR	0.16
Recurring costs	9,323,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105
ID#	063000058
Sponsor	06000037
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Reduce flooding in the Caney Creek Watershed by implementing channel improvements to increase capacity and regional detention to reduce discharges. Channel improvements must be constructed with one, or both, of the recommended detention facilities.

Watershed HUC# (if known)	999999
Emergency Need?	Yes
Drainage area (mi² est.)	214.90
Associated FME's	061000641, 061000653, 06000654
County	Harris,Liberty,Montgomery,San Jacinto,Walker
Associated FMS's	999999
Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No

Population at risk	3,232	# of structures	2,146	Critical facilities	0
Farm/Ranch land impacted (acres)	27.32	Roadway(s) impacted (length)	46.33		
Number of low water crossings	3	Historical road closures	3		

100-Year Flood Risk Reduction

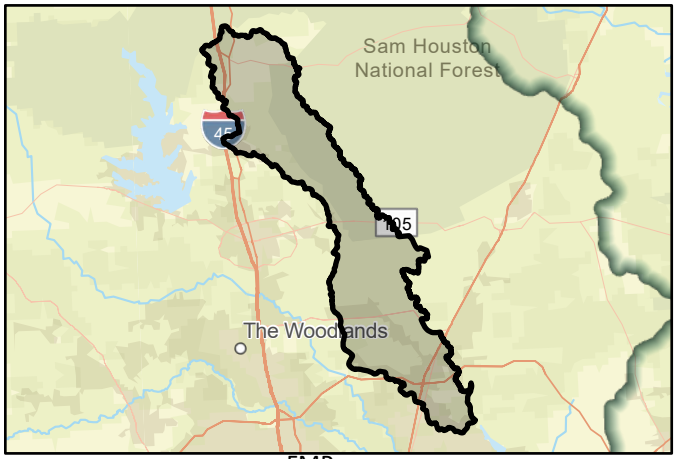
Population removed from 100-yr	2,228	# of structures removed from 100-yr	1,297
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	27
Road removed from 100-yr (miles)	42.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	469,000,000.00	% Nature-Based	0.00	BCR	0.30
Recurring costs	31,940,000.00	Issues	Right-of-Way, Permitting, Acquisitions, Utility Conflicts, Transportation		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	East Fork San Jacinto River - Winters Bayou Detention		
ID#	063000059	Sponsor	00000047
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Design, land acquisition, and construction of a dry dam on Winters Bayou to reduce flooding in the East Fork watershed, capturing runoff and mitigating flood risk.

Watershed HUC# (if known)	999999	Emergency Need?	No
		Drainage area (mi² est.)	408.79
Associated FME's	061000650	County	Harris,Liberty,Montgomery,San Jacinto,Walker
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No

Population at risk	2,559	# of structures	1,896	Critical facilities	3
Farm/Ranch land impacted (acres)	5.87	Roadway(s) impacted (length)	73.49		
Number of low water crossings	1	Historical road closures	1		

100-Year Flood Risk Reduction

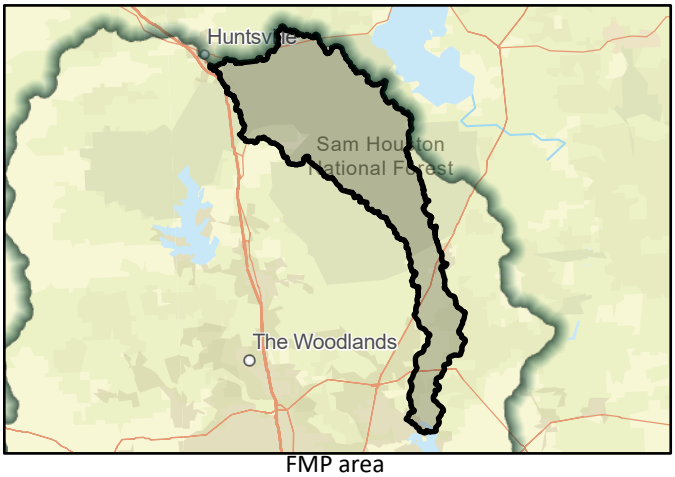
Population removed from 100-yr	1,412	# of structures removed from 100-yr	651
Critical facilities removed from 100-yr	1	Farm/Ranch land removed from 100-yr (acres)	6
Road removed from 100-yr (miles)	17.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

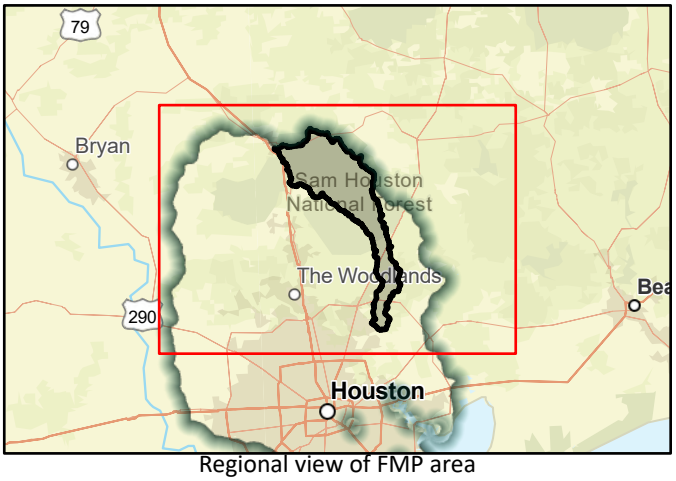
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	167,000,000.00	% Nature-Based	0.00	BCR	0.38
Recurring costs	10,020,000.00	Issues	Right-of-Way, Permitting, Acquisitions, Utility Conflicts, Transportation		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek
ID#	063000061
Sponsor	06000037
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Reduce flooding in the Peach Creek Watershed by implementing channel improvements to increase capacity and regional detention to provide storage. Channel improvements must be constructed with one, or both, of the recommended detention facilities.

Watershed HUC# (if known)	06000055, 06000047, 06000053, 06000046, 06000048, 06000050, 06000051, 06000052, 06000054, 06000070, 06000063, 06000064,
Emergency Need?	Yes
Drainage area (mi² est.)	157.95
Associated FME's	061000645, 061000646, 061000652
County	Liberty,Montgomery,San Jacinto,Walker
Associated FMS's	999999
Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	2,166	# of structures	1,516	Critical facilities	1				
Farm/Ranch land impacted (acres)	2.86	Roadway(s) impacted (length)	45.12						
Number of low water crossings	6	Historical road closures	6						

100-Year Flood Risk Reduction

Population removed from 100-yr	1,855	# of structures removed from 100-yr	1,146
Critical facilities removed from 100-yr	1	Farm/Ranch land removed from 100-yr (acres)	3
Road removed from 100-yr (miles)	24.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

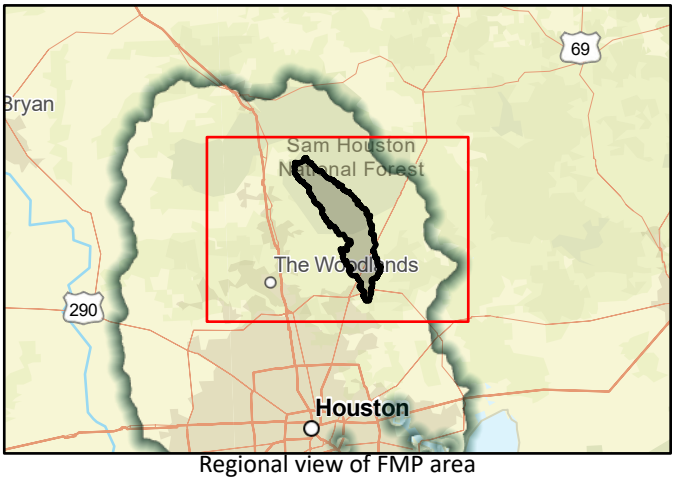
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	810,000,000.00	% Nature-Based	0.00	BCR	0.26
Recurring costs	48,658,000.00	Issues	Right-of-Way, Permitting, Acquisitions, Relocations, Utility Conflicts		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization		
ID#	063000064	Sponsor	00000310
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Reduce flooding in the West Fork San Jacinto River Watershed by implementing channel improvements to increase capacity. Channel improvements must be constructed with one, or multiple, of the Lake Creek and Spring Creek detention facilities listed as indiv

Watershed HUC# (if known)	06000025, 06000024, 06000023, 06000045, 06000055, 06000070, 06000097, 06000094, 06000088, 06000096, 06000102, 06000100	Emergency Need?	No
		Drainage area (mi² est.)	179.92
Associated FME's	061000649, 061000651	County	Harris,Montgomery
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No

Population at risk	15,431	# of structures	5,610	Critical facilities	59
Farm/Ranch land impacted (acres)	382.79	Roadway(s) impacted (length)	136.42		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

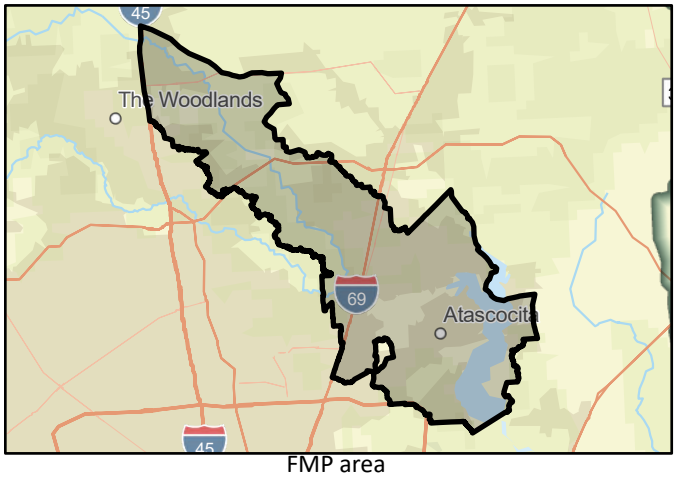
Population removed from 100-yr	10,267	# of structures removed from 100-yr	2,365
Critical facilities removed from 100-yr	14	Farm/Ranch land removed from 100-yr (acres)	31
Road removed from 100-yr (miles)	46.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

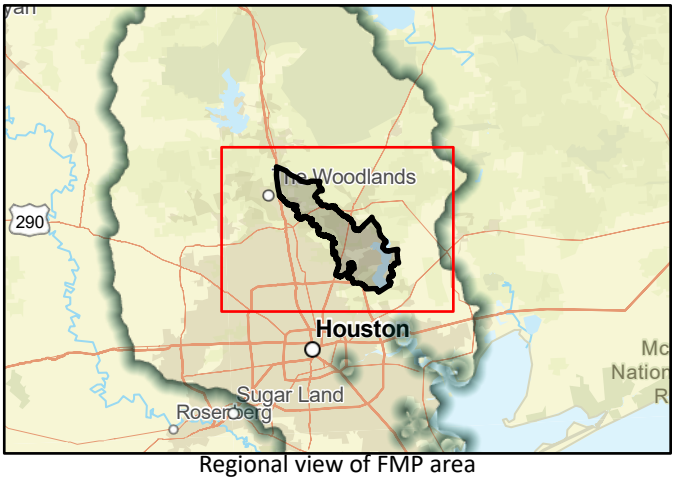
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	994,000,000.00	% Nature-Based	0.00	BCR	0.10
Recurring costs	50,815,000.00	Issues	Right-of-Way, Permitting, Acquisitions, Utility Conflics, Transportation Conflicts		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: G103-05-00 St. Charles Place Project S-3

ID#: 063000065 Sponsor: 00000310

RFPG recommend? Yes Reason for Recommendation: Pending Approval in March

Project Description

8-ft by 4-ft RCB storm sewer is proposed east of the SJRA canal starting at the intersection of Saint Cecilia and Zinn Drive, extending southward for roughly 1400 feet, and ending at the location of the existing Siphon 21 at tributary G103-05-00

Watershed HUC# (if known): 06000096

Emergency Need? Yes

Drainage area (mi² est.): 55.32

Associated FME's: 999999

County: Harris

Associated FMS's: 999999

Associated FMP's: 999999

Existing 100-Year Flood Risk

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Population at risk: 1,696 # of structures: 968 Critical facilities: 4

Farm/Ranch land impacted (acres): 80.05 Roadway(s) impacted (length): 18.38

Number of low water crossings: 0 Historical road closures: 0

100-Year Flood Risk Reduction

Population removed from 100-yr: 33

# of structures removed from 100-yr: 16

Critical facilities removed from 100-yr: 1

Farm/Ranch land removed from 100-yr (acres): 0

Road removed from 100-yr (miles): 0.00

Low water crossings removed from 100-yr: 0

Other benefits:

Reduction in # of road closures over 10 years: 0

Impacts

Negative impacts? No

Negative impacts description:

Water supply contributions? No

Water supply contribution description:

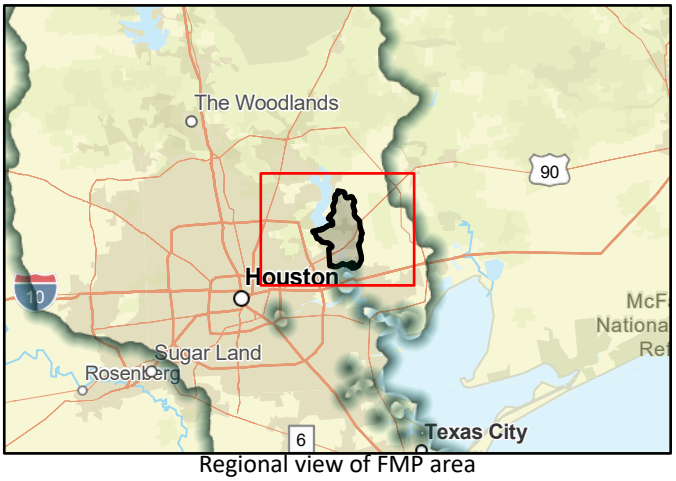
Estimated Cost

Project Cost: 2,019,000.00 % Nature-Based: 0.00 BCR: 0.68

Recurring costs: 121,140.00 Issues: Right-of-Way Acquisitions, Utility Conflicts



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: G103-05-02.1 Arcadian Gardens Project, alt S-4

ID#: 063000066 Sponsor: 00000310

RFPG recommend? Yes Reason for Recommendation: Pending Approval in March

Project Description

The Holly Road storm sewer is an 8-ft by 2-ft RCB, starting at Cypress Drive and extending 920 feet south to Tributary G103-05-02.1. The channel modification is a 5-ft deep channel extending 500 feet west, with an 8-ft bottom width and 4H:1V side slope

Watershed HUC# (if known): 06000096

Emergency Need? No

Drainage area (mi² est.): 55.32

Associated FME's: 999999

County: Harris

Associated FMS's: 999999

Associated FMP's: 999999

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Population at risk: 1,696 # of structures: 968 Critical facilities: 4

Farm/Ranch land impacted (acres): 80.05 Roadway(s) impacted (length): 18.38

Number of low water crossings: 0 Historical road closures: 0

100-Year Flood Risk Reduction

Population removed from 100-yr: 269

# of structures removed from 100-yr: 125

Critical facilities removed from 100-yr: 0

Farm/Ranch land removed from 100-yr (acres): 0

Road removed from 100-yr (miles): 1.00

Low water crossings removed from 100-yr: 0

Other benefits:

Reduction in # of road closures over 10 years: 0

Impacts

Negative impacts? No

Negative impacts description:

Water supply contributions? No

Water supply contribution description:

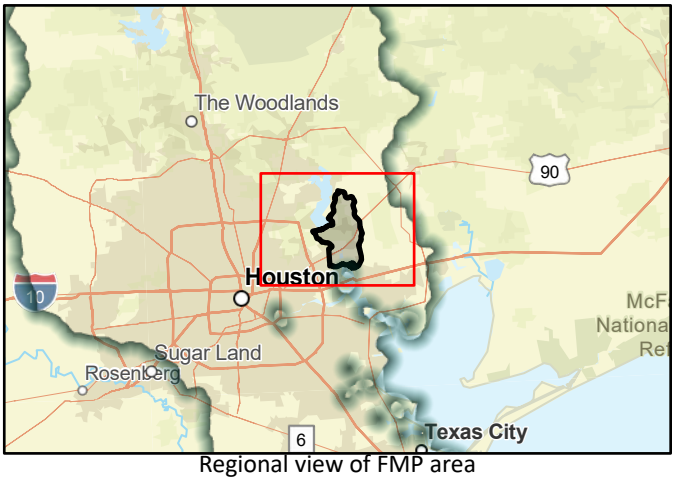
Estimated Cost

Project Cost: 1,245,000.00 % Nature-Based: 0.00 BCR: 1.32

Recurring costs: 74,700.00 Issues: Right-of-Way, Utility Conflicts



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1
ID#	063000067
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Pending Approval in March

Project Description

Storm sewer is 12ft x 3ft RCB at Jean Lafitte Dr extending W to Sandman Ave then along Milo Dr outfalling to FM 1942 proposed system. FM 1942 is 15ft x 6ft RCB at Jean Lafitte Dr extending E to Crosby Lynchburg Rd and outfalling to G103-09-01

Watershed HUC# (if known)	06000096	Emergency Need?	No
		Drainage area (mi² est.)	55.32
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No

Population at risk	1,696	# of structures	968	Critical facilities	4
Farm/Ranch land impacted (acres)	80.05	Roadway(s) impacted (length)	18.38		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

Population removed from 100-yr	351	# of structures removed from 100-yr	195
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	1
Road removed from 100-yr (miles)	3.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

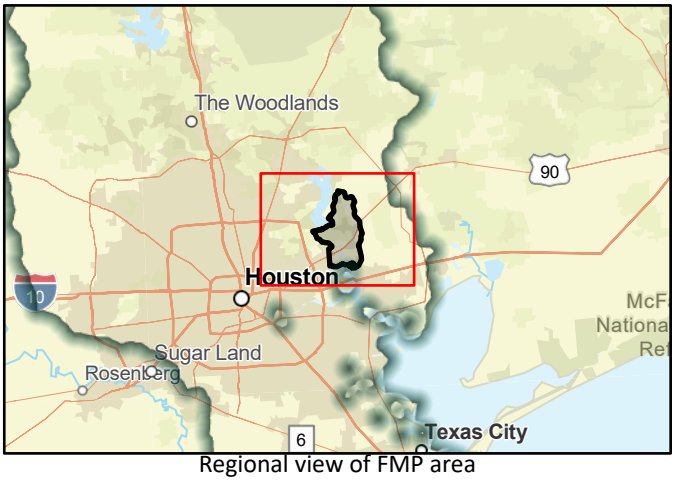
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	8,798,000.00	% Nature-Based	0.00	BCR	0.59
Recurring costs	527,880.00	Issues	Coordination to ensure proper inlet connections to detention pond, Right-of-		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	G103-07-00 Sheldon Area Project, PA4
ID#	063000068
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Pending Approval in March

Project Description

The project would involve channel conveyance improvements along tributaries G103-07-00 and G103-07-02. Both channel segments are proposed to be widened, deepened, and concrete lined

Watershed HUC# (if known)	06000094, 06000096	Emergency Need?	Yes
		Drainage area (mi² est.)	4.91
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	63000069

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	2,411	# of structures	813	Critical facilities	4				
Farm/Ranch land impacted (acres)	4.68	Roadway(s) impacted (length)	5.94						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

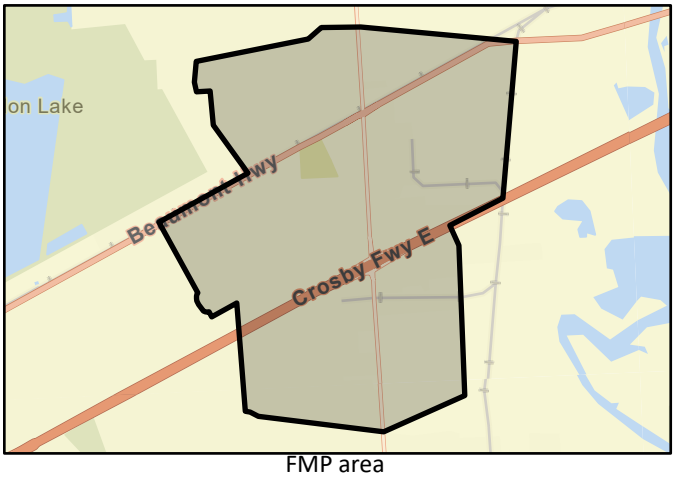
Population removed from 100-yr	1,054	# of structures removed from 100-yr	78
Critical facilities removed from 100-yr	1	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	29,081,000.00	% Nature-Based	0.00	BCR	0.09
Recurring costs	1,744,860.00	Issues	Right-of-Way, Utility Conflicts, Environmental Conflicts, Jurisdictional		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	G103-24-00 Atascocita Area Project, PA1		
ID#	063000069	Sponsor	00000310
RFPG recommend?	Yes	Reason for Recommendation	Pending Approval in March

Project Description

PA1 involves culvert and channel conveyance improvements along tributary G103-24-00 in the Atascocita area.

Watershed HUC# (if known)	06000025, 06000024, 06000088	Emergency Need?	Yes
		Drainage area (mi² est.)	4.40
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	63000068

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	640	# of structures	215	Critical facilities	4				
Farm/Ranch land impacted (acres)	0.91	Roadway(s) impacted (length)	8.61						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

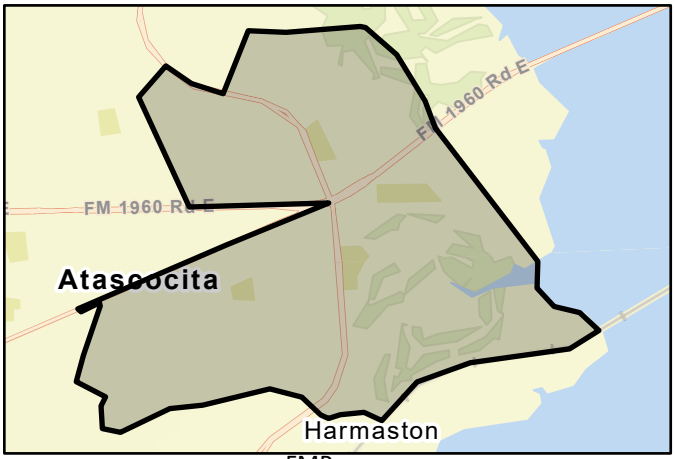
Population removed from 100-yr	569	# of structures removed from 100-yr	170
Critical facilities removed from 100-yr	3	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	6.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

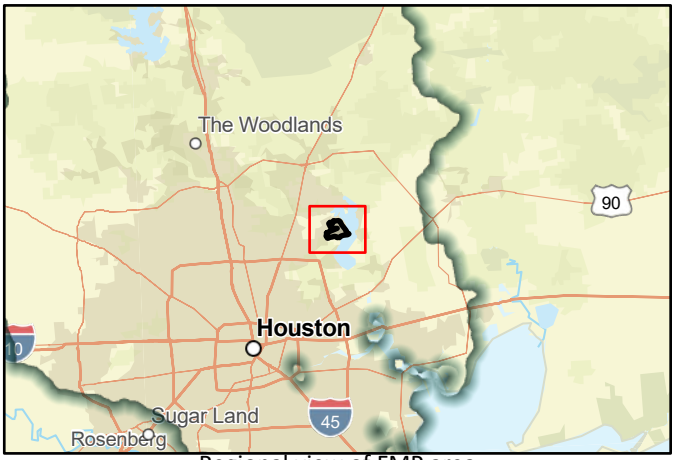
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	16,137,000.00	% Nature-Based	0.00	BCR	0.56
Recurring costs	968,220.00	Issues	Right-of-Way, Utility Conflicts, Environmental Conflicts, Jurisdictional		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Q130-00-00 Channel Improvement PER and Design, alternative 3

ID#: 063000070 Sponsor: 00000310

RFPG recommend? Yes Reason for Recommendation: Pending Approval in March

Project Description

Alternative 3 proposes 3,300 linear feet of a natural stable channel design improvements and two detention basins.

Watershed HUC# (if known): 06000101, 06000100

Emergency Need? No

Drainage area (mi² est.): 3.44

Associated FME's: 999999

County: Harris, Liberty

Associated FMS's: 999999

Associated FMP's: 999999

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Population at risk: 131 # of structures: 141 Critical facilities: 0

Farm/Ranch land impacted (acres): 86.88 Roadway(s) impacted (length): 1.10

Number of low water crossings: 0 Historical road closures: 0

100-Year Flood Risk Reduction

Population removed from 100-yr: 44

# of structures removed from 100-yr: 62

Critical facilities removed from 100-yr: 0

Farm/Ranch land removed from 100-yr (acres): 11

Road removed from 100-yr (miles): 0.00

Low water crossings removed from 100-yr: 0

Other benefits: Potential to incorporate trails within maintenance

Reduction in # of road closures over 10 years: 0

Impacts

Negative impacts? No

Negative impacts description:

Water supply contributions? No

Water supply contribution description:

Estimated Cost

Project Cost: 14,497,000.00 % Nature-Based: 0.00 BCR: 0.02

Recurring costs: 869,820.00 Issues: Right-of-Way, Permitting, Utility Conflicts, Transportation Conflicts



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Preliminary Engineering Study for Q122-00-00
ID#	063000071
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Pending Approval in March

Project Description

Excavation of two (2) stormwater detention basins on and offline of channel Q122-00-00.

Watershed HUC# (if known)	06000097, 06000096, 06000102	Emergency Need?	No
		Drainage area (mi² est.)	8.54
Associated FME's	999999	County	Chambers, Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	1,041	# of structures	639	Critical facilities	0				
Farm/Ranch land impacted (acres)	419.28	Roadway(s) impacted (length)	4.68						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

Population removed from 100-yr	266	# of structures removed from 100-yr	189
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	167
Road removed from 100-yr (miles)	1.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

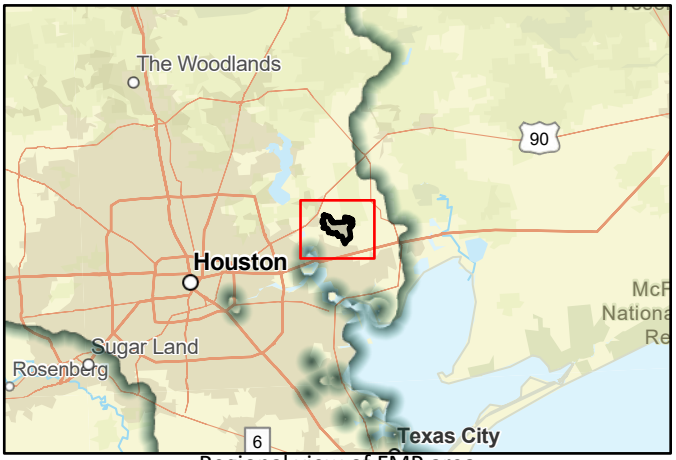
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	16,153,000.00	% Nature-Based	0.00	BCR	0.03
Recurring costs	969,180.00	Issues	Right-of-Way Acquisition, Permitting, Utility Conflicts, Environmental Conflicts		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	TLV Drainage Improvement Project
ID#	063000072
Sponsor	06003594
RFPG recommend?	Yes
Reason for Recommendation	Pending Approval in March

Project Description

Replaces undersized drainage systems along Honey Oaks, Manorfield, Laurel Grove, and Forest Lake Drives, outfalling to Armand Bayou. Honey Oaks upsized to 60" RCP; Manorfield and Forest Lake to 36"-60" RCP; Laurel Grove and Forest Lake to 48"-60" RCP.

Watershed HUC# (if known)	06000106	Emergency Need?	No
		Drainage area (mi² est.)	0.53
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk	915	# of structures	476	Critical facilities	11				
Farm/Ranch land impacted (acres)		Roadway(s) impacted (length)	7.93						
Number of low water crossings		Historical road closures							

100-Year Flood Risk Reduction

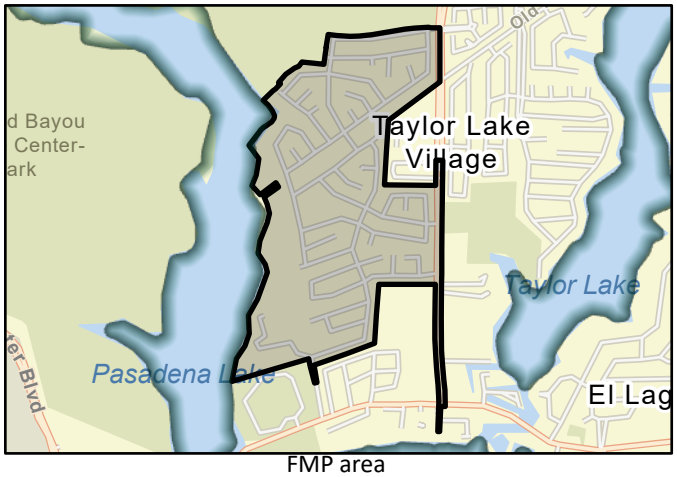
Population removed from 100-yr	17	# of structures removed from 100-yr	14
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

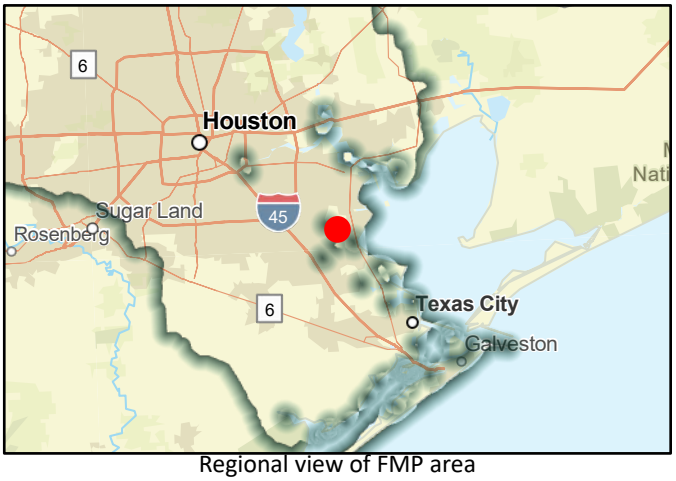
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	6,130,000.00	% Nature-Based	0.00	BCR	2.08
Recurring costs	367,800.00	Issues	Right-of-Way, Permitting, Potential Transportation Conflicts		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Bear/Panther Branch Drainage Improvements project		
ID#	063000073	Sponsor	00000287
RFPG recommend?	Yes	Reason for Recommendation	Pending Approval in March

Project Description

The proposed drainage improvements aim to reduce flood extents and increase mobility during large rain events by widening channels on Bear Branch and Panther Branch, clearing overbank areas, and adding inline detention basins for floodplain storage

Watershed HUC# (if known)	06000041, 06000043, 06000044	Emergency Need?	Yes
		Drainage area (mi² est.)	6.16
Associated FME's	999999	County	Montgomery
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	9,728	# of structures	450	Critical facilities	28				
Farm/Ranch land impacted (acres)	1.39	Roadway(s) impacted (length)	10.75						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

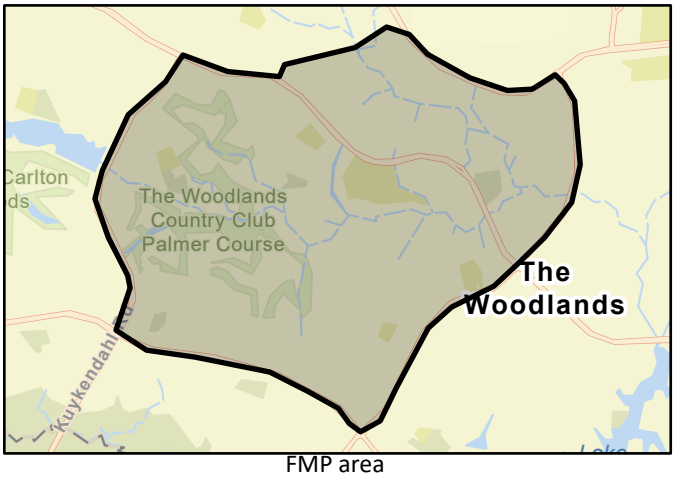
Population removed from 100-yr	2,685	# of structures removed from 100-yr	275
Critical facilities removed from 100-yr	16	Farm/Ranch land removed from 100-yr (acres)	1
Road removed from 100-yr (miles)	4.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

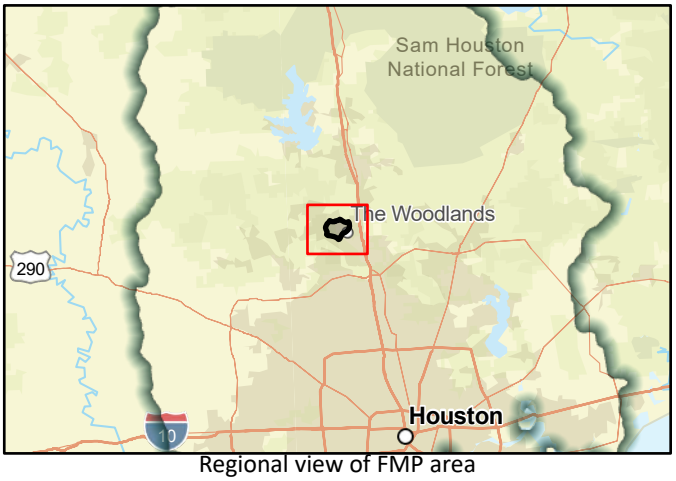
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	23,567,000.00	% Nature-Based	0.00	BCR	1.90
Recurring costs	1,414,020.00	Issues	Right-of-Way and Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Cypress Ditch Conveyance Improvement Project
ID#	063000074
Sponsor	06002854
RFPG recommend?	Yes
Reason for Recommendation	Pending Approval in March

Project Description

The conveyance capacity of Cypress Ditch will be increased with a 117-acre-foot (South Pond) and a 50-acre-foot (North Pond) detention facility, connected by four 48-inch reinforced concrete equalizer pipes at each pond connection

Watershed HUC# (if known)	06000084, 06000083	Emergency Need?	No
		Drainage area (mi² est.)	1.59
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	3,468	# of structures	957	Critical facilities	11				
Farm/Ranch land impacted (acres)		Roadway(s) impacted (length)	16.51						
Number of low water crossings		Historical road closures							

100-Year Flood Risk Reduction

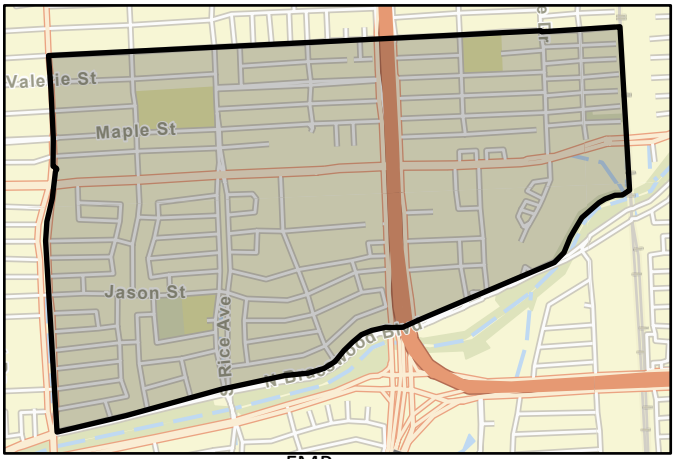
Population removed from 100-yr	628	# of structures removed from 100-yr	30
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	4.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

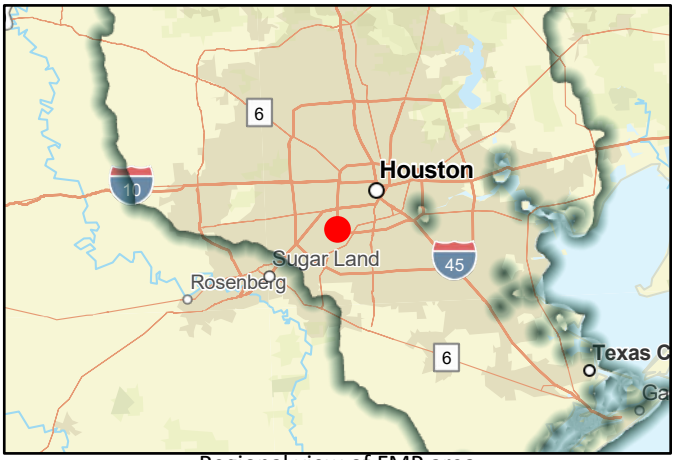
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	75,916,000.00	% Nature-Based	0.00	BCR	2.30
Recurring costs	4,554,960.00	Issues	Right-of-Way and Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	P125-00-00 Flood Risk Reduction Project Bundle, project 1
ID#	063000076
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Pending Approval in March

Project Description

ROW Acquisition, Design, and Construction of Two Flood Risk Reduction Projects on P125-00-00, P125-04-00 and P125-03-00 (2018 Bond Project Z-03)

Watershed HUC# (if known)	06000091, 06000090	Emergency Need?	Yes
		Drainage area (mi² est.)	3.83
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	063000077

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	4,967	# of structures	1,609	Critical facilities	12				
Farm/Ranch land impacted (acres)	4.97	Roadway(s) impacted (length)	15.36						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

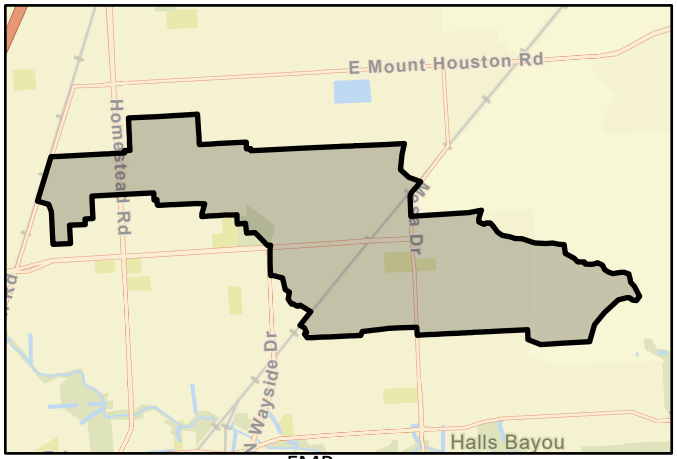
Population removed from 100-yr	1,460	# of structures removed from 100-yr	449
Critical facilities removed from 100-yr	3	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	3.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	46,273,000.00	% Nature-Based	0.00	BCR	0.65
Recurring costs	2,776,380.00	Issues	Right-of-way & Permitting. Environmental conflicts, and significant utilit		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	P126-00-00 Flood Risk Reduction Project, project 3		
ID#	063000077	Sponsor	00000310
RFPG recommend?	Yes	Reason for Recommendation	Pending Approval in March

Project Description

Phase 1 provides detention mitigation for channel-wide improvements in Phase 2. Phase 2 addresses out-of-bank flooding and overflow by increasing P126-00-00 channel-wide system capacity and conveyance.

Watershed HUC# (if known)	06000091, 06000090	Emergency Need?	Yes
		Drainage area (mi² est.)	3.83
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	063000076

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	4,968	# of structures	1,610	Critical facilities	12				
Farm/Ranch land impacted (acres)	4.97	Roadway(s) impacted (length)	15.36						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

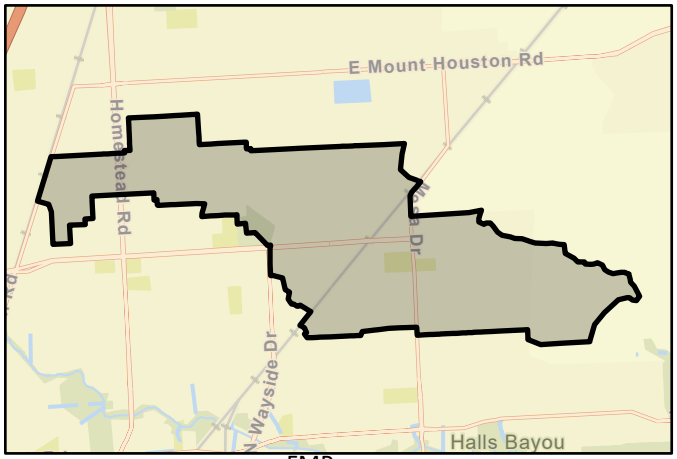
Population removed from 100-yr	1,059	# of structures removed from 100-yr	348
Critical facilities removed from 100-yr	2	Farm/Ranch land removed from 100-yr (acres)	1
Road removed from 100-yr (miles)	1.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	78,753,000.00	% Nature-Based	0.00	BCR	0.76
Recurring costs	4,725,180.00	Issues	Right-of-way & Permitting. Environmental conflicts, and significant utilit		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: G103-09-01 Barrett Settlement and St. Charles Place Project S-2

ID#: 063000078 Sponsor: 00000310

RFPG recommend? Yes Reason for Recommendation: Pending Approval in March

Project Description

12x4ft RCB from FM 1942 extends to 5ft deep, 10ft bottom channel then to 12x6ft RCB. 12x5ft RCB from Saint Cecilia & Zinn D extends N to new siphon. 15x6ft RCB along Barrett Rd extends W to 12ft deep, 16ft bottom channel to new storm sewer to G103-09-01

Watershed HUC# (if known): 06000096

Emergency Need? No

Drainage area (mi² est.): 55.32

Associated FME's: 999999

County: Harris

Associated FMS's: 999999

Associated FMP's: 999999

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Population at risk: 1,696 # of structures: 968 Critical facilities: 4

Farm/Ranch land impacted (acres): 80.05 Roadway(s) impacted (length): 18.38

Number of low water crossings: 0 Historical road closures: 0

100-Year Flood Risk Reduction

Population removed from 100-yr: 547

# of structures removed from 100-yr: 308

Critical facilities removed from 100-yr: 1

Farm/Ranch land removed from 100-yr (acres): 1

Road removed from 100-yr (miles): 2.00

Low water crossings removed from 100-yr: 0

Other benefits:

Reduction in # of road closures over 10 years: 0

Impacts

Negative impacts? No

Negative impacts description:

Water supply contributions? No

Water supply contribution description:

Estimated Cost

Project Cost: 21,056,000.00

% Nature-Based: 0.00

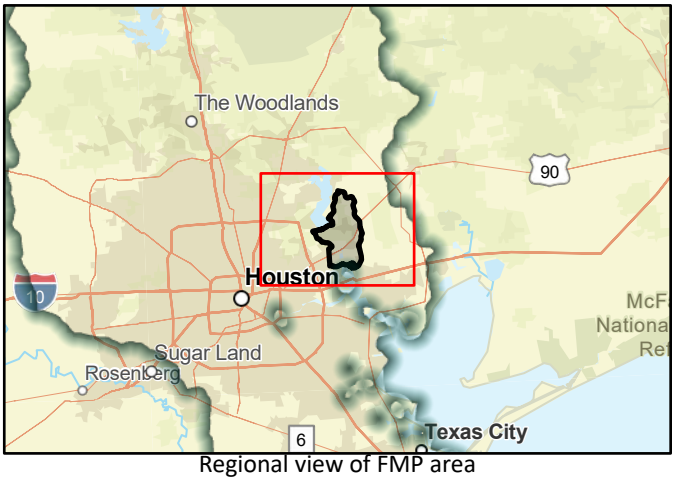
BCR: 0.41

Recurring costs: 1,263,360.00

Issues: Right-of-Way Acquisitions, Permitting Utility Conflicts, Environmental Conflicts



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	E116-00-00 Flood Risk Reduction Project Phase 2		
ID#	063000079	Sponsor	00000310
RFPG recommend?	Yes	Reason for Recommendation	Pending Approval in March

Project Description

E116-05-03 channel lining, larger culverts, micro-detention in medians, storm sewers connecting median sections. E116-05-00 siltation removal, upsize box culverts, storm drainage expansion. E116-00-00 widening, upsize culvert, south detention enlargement

Watershed HUC# (if known)	06000079, 06000081	Emergency Need?	No
		Drainage area (mi² est.)	0.70
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	1,293	# of structures	484	Critical facilities	0				
Farm/Ranch land impacted (acres)		Roadway(s) impacted (length)	5.64						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

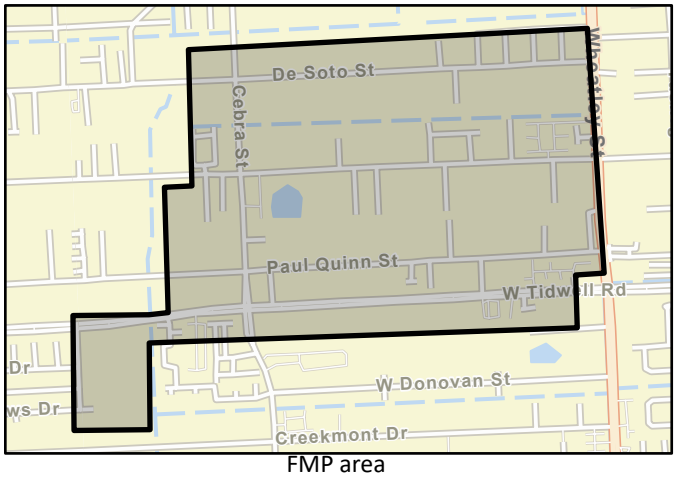
Population removed from 100-yr	27	# of structures removed from 100-yr	3
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	22,852,000.00	% Nature-Based	0.00	BCR	0.50
Recurring costs	1,371,120.00	Issues	Right-of-way aquisitions		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets

ID#: 063000080 Sponsor: 00000310

RFPG recommend? Yes Reason for Recommendation: Pending Approval in March

Project Description

Phase 1 improvements involve constructing inflow structures, outfall structure, and the wet-bottom portion of the ultimate basin configuration.

Watershed HUC# (if known): 06000100

Emergency Need? No

Drainage area (mi² est.): 37.05

Associated FME's: 999999

County: Harris

Associated FMS's: 999999

Associated FMP's: 999999

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Population at risk: 147 # of structures: 178 Critical facilities: 1

Farm/Ranch land impacted (acres): 531.39 Roadway(s) impacted (length): 0.38

Number of low water crossings: 0 Historical road closures: 0

100-Year Flood Risk Reduction

Population removed from 100-yr: 10

# of structures removed from 100-yr: 5

Critical facilities removed from 100-yr: 0

Farm/Ranch land removed from 100-yr (acres): 7

Road removed from 100-yr (miles): 0.00

Low water crossings removed from 100-yr: 0

Other benefits:

Reduction in # of road closures over 10 years: 0

Impacts

Negative impacts? No

Negative impacts description:

Water supply contributions? No

Water supply contribution description:

Estimated Cost

Project Cost: 14,984,000.00 % Nature-Based: 0.00 BCR: 0.14

Recurring costs: 899,040.00 Issues: Land aquisition, utility conflicts



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Saltwater Ditch Subwatershed Flood Risk Reduction Project
ID#	063000081
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Pending Approval in March

Project Description

Harris County Public Infrastructure Department (HCPID) is proposing to improve the Salt Water Ditch (HCFCD Unit # C118-00-00) from just east of Calhoun Road downstream to the channel outlet at Sims Bayou (HCFCD Unit # C100-00-00)

Watershed HUC# (if known)	06000086	Emergency Need?	No
		Drainage area (mi² est.)	2.27
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No

Population at risk	13,404	# of structures	4,204	Critical facilities	64
Farm/Ranch land impacted (acres)	0.70	Roadway(s) impacted (length)	39.50		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

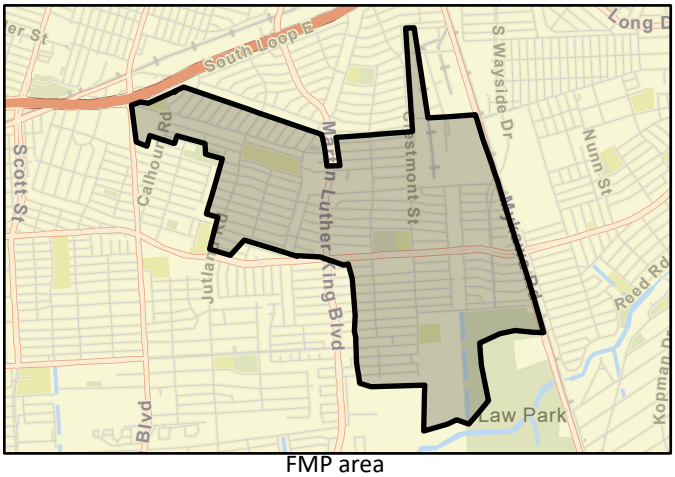
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits	Proposed recreational trail	Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	101,097,000.00	% Nature-Based	0.00	BCR	0.55
Recurring costs	6,065,820.00	Issues	utility conflicts, environmental conflicts		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1		
ID#	063000082	Sponsor	00000310
RFPG recommend?	Yes	Reason for Recommendation	Pending Approval in March

Project Description

1,130 feet of channel improvements between XS 217125 and 216288, and an 82 ac-ft detention basin on a vacant lot for sale east of the channel

Watershed HUC# (if known)	06000060, 06000100	Emergency Need?	No
		Drainage area (mi² est.)	3.07
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	158	# of structures	121	Critical facilities	2				
Farm/Ranch land impacted (acres)	59.81	Roadway(s) impacted (length)	2.81						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

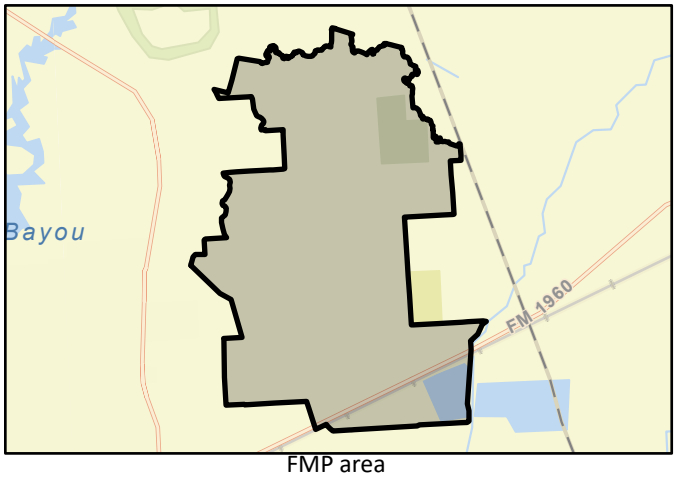
Population removed from 100-yr	2	# of structures removed from 100-yr	1
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits	Room to incorporate trains within maintenance	Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	7,704,000.00	% Nature-Based	0.00	BCR	0.09
Recurring costs	462,240.00	Issues	ROW widening		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Houston Southland Drainage Improvements
ID#	063000083
Sponsor	00002853
RFPG recommend?	Yes
Reason for Recommendation	Pending Approval in March

Project Description

The project would involves upsizing storm sewer where necessary to reduce overland ponding within the project area and proposed pond.

Watershed HUC# (if known)	06000084	Emergency Need?	Yes
		Drainage area (mi² est.)	0.99
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No

Population at risk	261	# of structures	98	Critical facilities	3
Farm/Ranch land impacted (acres)		Roadway(s) impacted (length)	7.95		
Number of low water crossings		Historical road closures			

100-Year Flood Risk Reduction

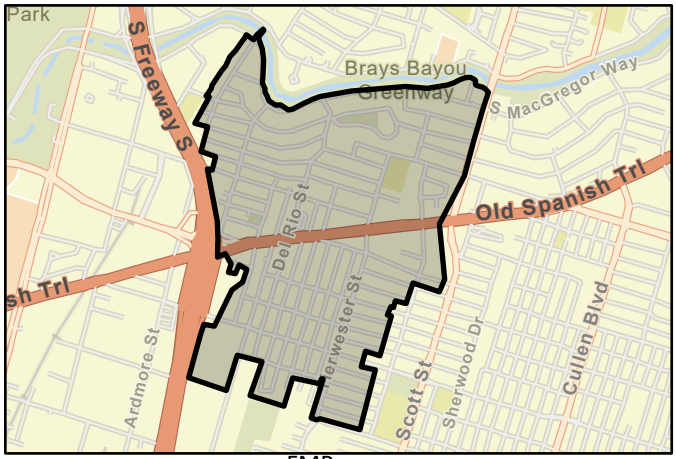
Population removed from 100-yr	95	# of structures removed from 100-yr	47
Critical facilities removed from 100-yr	1	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	2.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

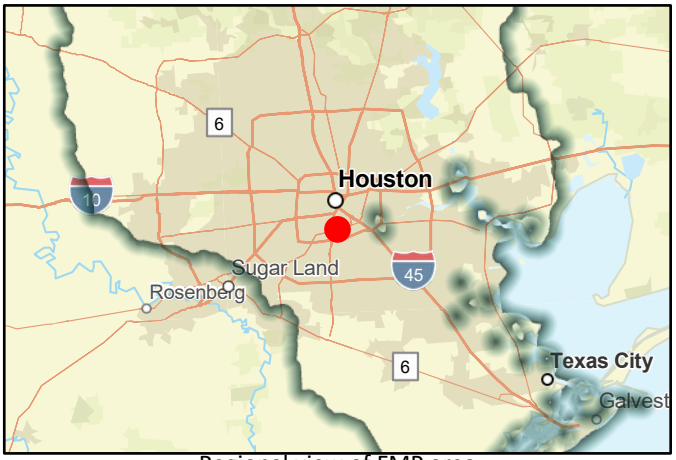
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	28,950,000.00	% Nature-Based	0.00	BCR	0.00
Recurring costs	1,737,000.00	Issues			



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1
ID#	063000084
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Pending Approval in March

Project Description

The project would involve five proposed detention basins (WP-01, WP-02, WP-03, WP-04 and WP-05) and two sections of channel improvements adjacent to WP-01 and WP-05.

Watershed HUC# (if known)	06000095, 06000086, 06000106	Emergency Need?	No
		Drainage area (mi² est.)	16.18
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	91,664	# of structures	21,895	Critical facilities	412				
Farm/Ranch land impacted (acres)	9.01	Roadway(s) impacted (length)	221.56						
Number of low water crossings	2	Historical road closures	2						

100-Year Flood Risk Reduction

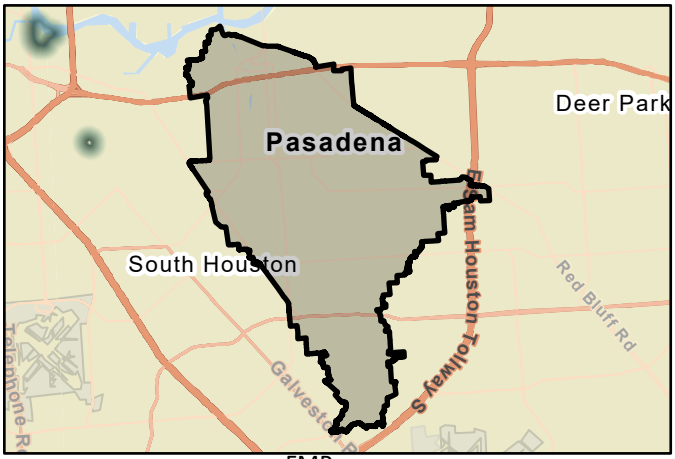
Population removed from 100-yr	81	# of structures removed from 100-yr	22
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

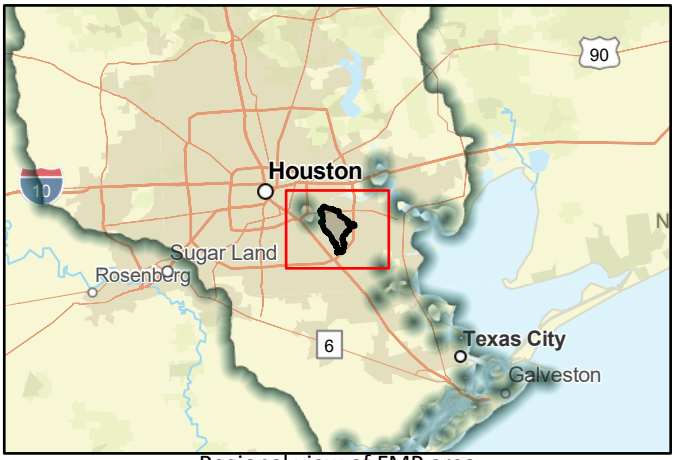
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	27,776,000.00	% Nature-Based	0.00	BCR	0.09
Recurring costs	1,666,560.00	Issues	Land aquisition, utility conflicts, need additional geotechnical analysis, premit		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	C106 - FMS, FMN, GT Alt 7
ID#	063000085
Sponsor	00002853
RFPG recommend?	Yes
Reason for Recommendation	Pending Approval in March

Project Description

Places 4-12x12 RCBs in C106-10-00 and C106-10-01 channels from Theta St to C106-00-00, and a bypass along Hartsook Rd with 2-8x4 RCBs. Provides additional storage and optimizes channel WSEs for maximum benefit to neighborhoods

Watershed HUC# (if known)	06000086	Emergency Need?	Yes
		Drainage area (mi² est.)	0.44
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No

Population at risk	2,877	# of structures	844	Critical facilities	5
Farm/Ranch land impacted (acres)		Roadway(s) impacted (length)	9.65		
Number of low water crossings		Historical road closures			

100-Year Flood Risk Reduction

Population removed from 100-yr	1,509	# of structures removed from 100-yr	443
Critical facilities removed from 100-yr	1	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

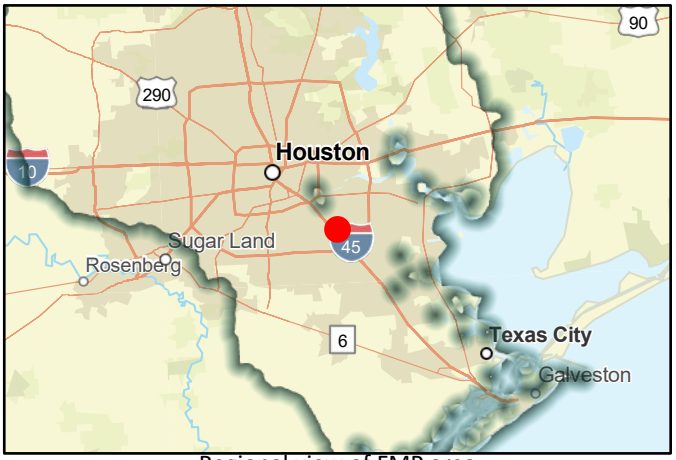
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	55,175,000.00	% Nature-Based	0.00	BCR	0.10
Recurring costs	3,310,500.00	Issues	Utility Relocation, Right-of-way space		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Houston Westbury CIP Project		
ID#	063000086	Sponsor	00002853
RFPG recommend?	Yes	Reason for Recommendation	Pending Approval in March

Project Description

Westbury CIP Project includes replacing/upsizing storm sewers & inlets for 2-year storm flows. A parcel on Beaudry Dr. will be used for a new outfall to Willow Waterhole Bayou, reducing flow to Hillcroft St. HCFCD Unit D140-05-02 to have 2yr capacity

Watershed HUC# (if known)	06000083	Emergency Need?	Yes
		Drainage area (mi² est.)	0.87
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk	2,685	# of structures	999	Critical facilities	8				
Farm/Ranch land impacted (acres)	1.36	Roadway(s) impacted (length)	15.64						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

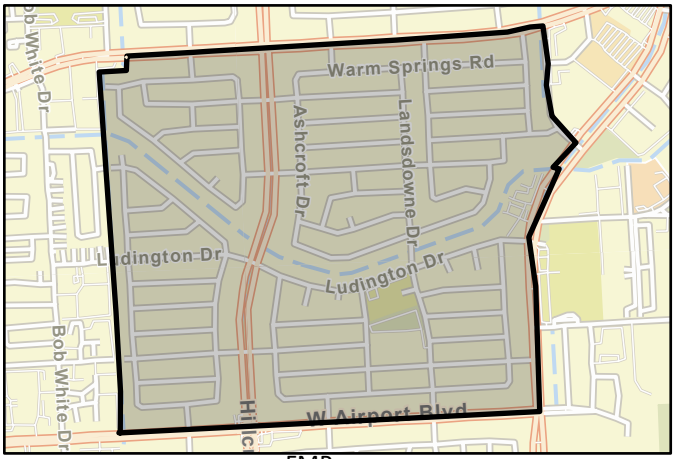
Population removed from 100-yr	889	# of structures removed from 100-yr	222
Critical facilities removed from 100-yr	5	Farm/Ranch land removed from 100-yr (acres)	1
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

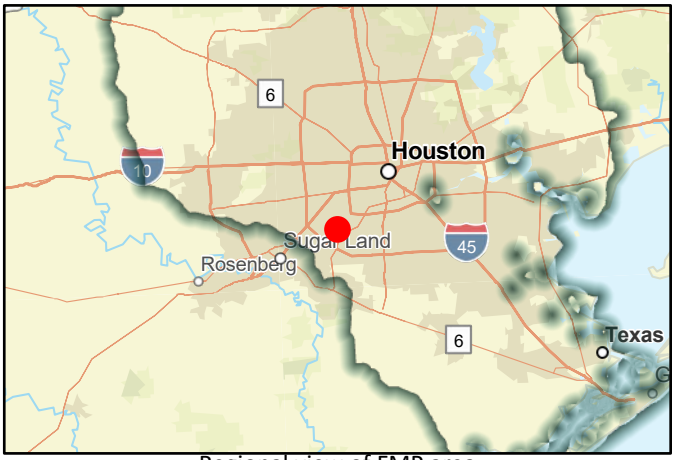
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	125,225,000.00	% Nature-Based	0.00	BCR	0.10
Recurring costs	7,513,500.00	Issues	utility relocation, transportation conflicts		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Houston Kirkwood/Nottingham Drainage Improvements

ID#: 063000087 Sponsor: 00002853

RFPG recommend? Yes Reason for Recommendation: Pending Approval in March

Project Description

4,000 LF of 8'x10' Box Culvert (7.35 ac-ft), 24,700 LF of 78" RCP (18.80 ac-ft), and a 3.81 ac (total property required) Detention Pond (22.45 ac-ft)

Watershed HUC# (if known): 06000080

Emergency Need? No

Drainage area (mi² est.): 0.37

Associated FME's: 999999

County: Harris

Associated FMS's: 999999

Associated FMP's: 999999

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Population at risk: 1,838 # of structures: 747 Critical facilities: 0

Farm/Ranch land impacted (acres):

Roadway(s) impacted (length): 7.65

Number of low water crossings:

Historical road closures:

100-Year Flood Risk Reduction

Population removed from 100-yr: 818

# of structures removed from 100-yr: 342

Critical facilities removed from 100-yr: 0

Farm/Ranch land removed from 100-yr (acres): 0

Road removed from 100-yr (miles): 1.00

Low water crossings removed from 100-yr: 0

Other benefits:

Reduction in # of road closures over 10 years: 0

Impacts

Negative impacts? No

Negative impacts description:

Water supply contributions? No

Water supply contribution description:

Estimated Cost

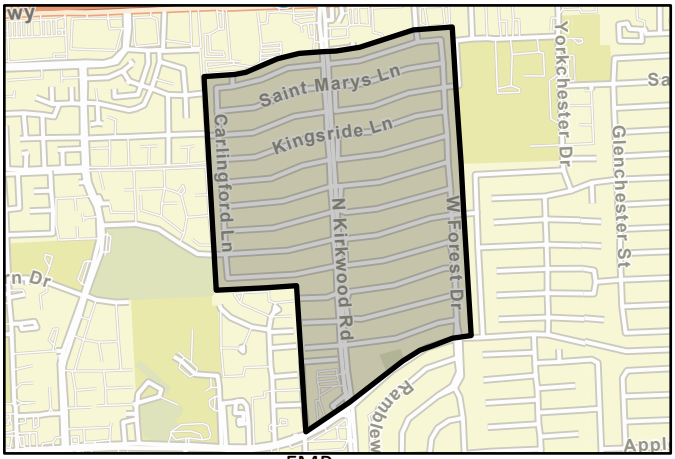
Project Cost: 40,226,000.00

% Nature-Based: 0.00

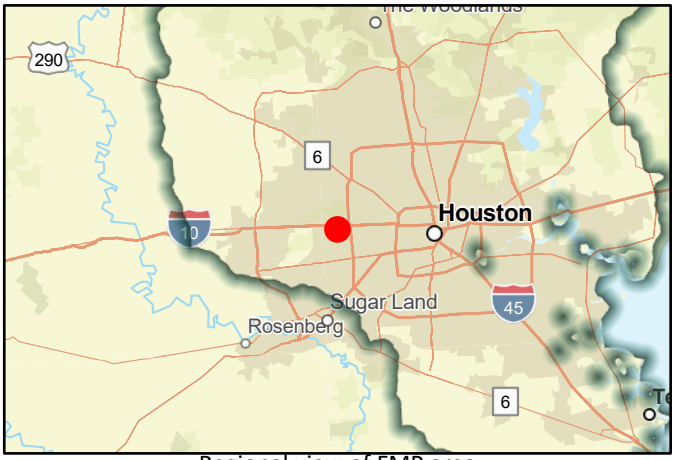
BCR: 0.80

Recurring costs: 2,413,560.00

Issues: Space limitations



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Houston Spring Shadow South Drainage Improvements

ID#: 063000088 Sponsor: 00002853

RFPG recommend? Yes Reason for Recommendation: Pending Approval in March

Project Description

Upgrade drainage system and adding inline-detention Storage.

Watershed HUC# (if known): 06000079, 06000080

Emergency Need? No

Drainage area (mi² est.): 0.79

Associated FME's: 999999

County: Harris

Associated FMS's: 999999

Associated FMP's: 999999

Existing 100-Year Flood Risk

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Population at risk: 3,052 # of structures: 883 Critical facilities: 1

Farm/Ranch land impacted (acres):

Roadway(s) impacted (length): 12.22

Number of low water crossings:

Historical road closures:

100-Year Flood Risk Reduction

Population removed from 100-yr: 111

# of structures removed from 100-yr: 42

Critical facilities removed from 100-yr: 0

Farm/Ranch land removed from 100-yr (acres): 0

Road removed from 100-yr (miles): 0.00

Low water crossings removed from 100-yr: 0

Other benefits: Additional sidewalks or trails, potential green

Reduction in # of road closures over 10 years: 0

Impacts

Negative impacts? No

Negative impacts description:

Water supply contributions? No

Water supply contribution description:

Estimated Cost

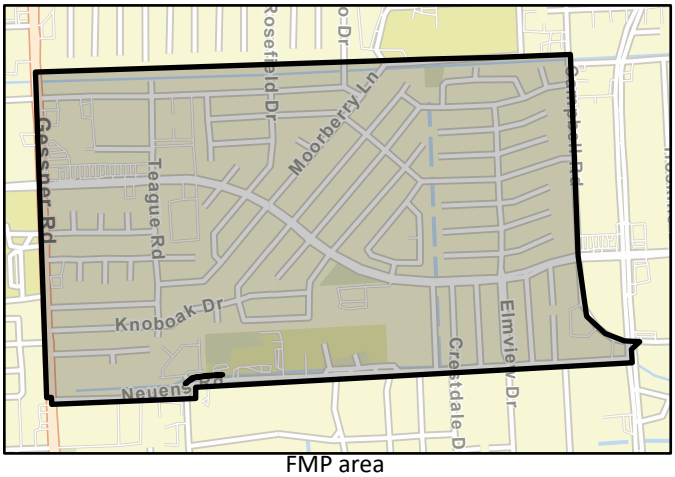
Project Cost: 20,676,000.00

% Nature-Based: 0.00

BCR: 0.10

Recurring costs: 1,240,560.00

Issues: ROW aquisition, utility conflict and relocation, coordination with the COH



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Q128-00-00 Channel Conveyance Improvements		
ID#	063000089	Sponsor	00000310
RFPG recommend?	Yes	Reason for Recommendation	Pending Approval in March

Project Description

Bench Excavation Channel design from Adlong School Rd bridge to 1.4 miles downstream of Q128-00-00 for a 5-yr system capacity. Downstream improvements transition to existing channel, containing the 5-yr WSEL within the channel without overbank spilling

Watershed HUC# (if known)	06000096, 06000102, 06000101, 06000100	Emergency Need?	No
		Drainage area (mi² est.)	11.46
Associated FME's	999999	County	Harris, Liberty
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	615	# of structures	476	Critical facilities	1				
Farm/Ranch land impacted (acres)	965.82	Roadway(s) impacted (length)	7.89						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

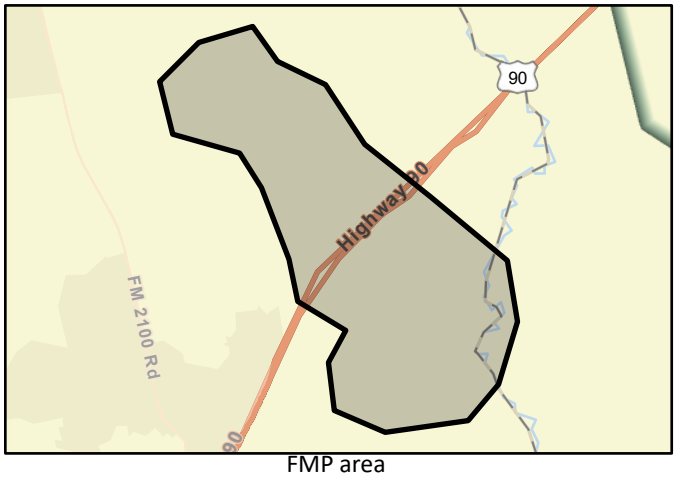
Population removed from 100-yr	14	# of structures removed from 100-yr	13
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	6
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

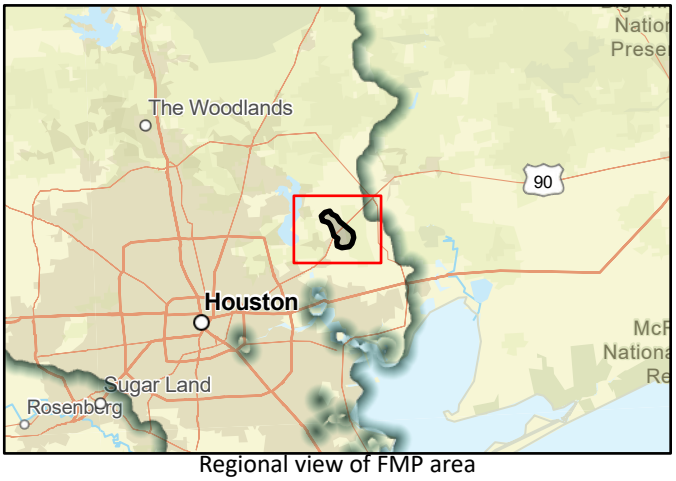
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	21,671,000.00	% Nature-Based	0.00	BCR	1.02
Recurring costs	1,300,260.00	Issues	ROW aquisition, Utility conflicts, need permit for wetland mitigation and		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Houston Richmond Plaza Drainage Improvements		
ID#	063000090	Sponsor	00002853
RFPG recommend?	Yes	Reason for Recommendation	Pending Approval in March

Project Description

Reduces 10-year ponding within Houston's ROW & includes detention. The lowered field area remains a multi-use park/detention. It includes storm sewer improvements, including an 8x8-ft line along Chimney Rock Rd with a restrictor

Watershed HUC# (if known)	06000083	Emergency Need?	No
		Drainage area (mi² est.)	0.17
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No

Population at risk	1,847	# of structures	273	Critical facilities	1
Farm/Ranch land impacted (acres)		Roadway(s) impacted (length)	3.30		
Number of low water crossings		Historical road closures			

100-Year Flood Risk Reduction

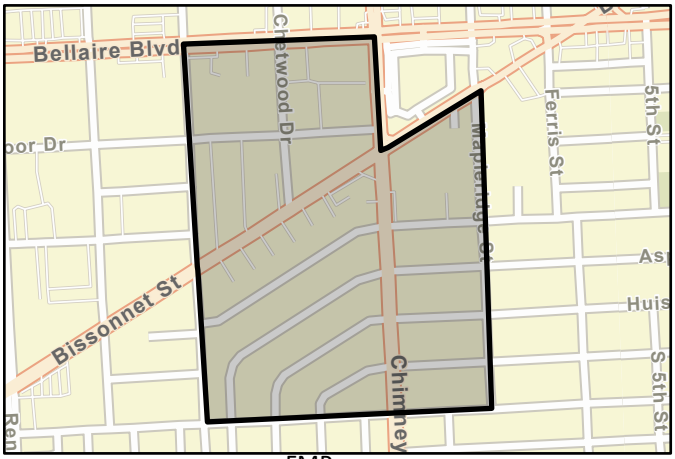
Population removed from 100-yr	30	# of structures removed from 100-yr	10
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

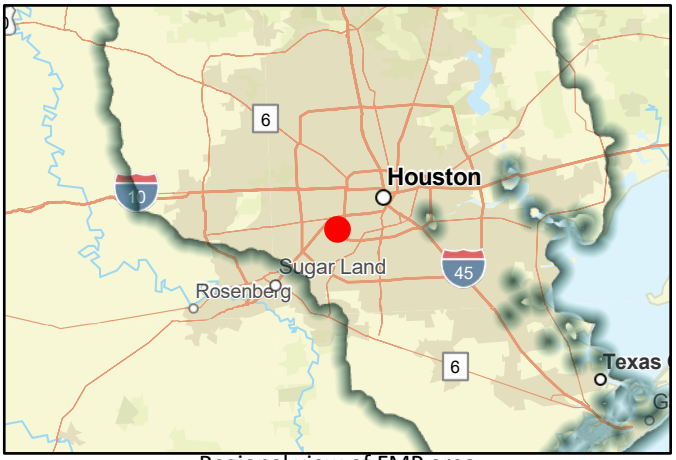
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	58,660,000.00	% Nature-Based	0.00	BCR	0.50
Recurring costs	3,519,600.00	Issues	Land aquistion, utility conflicts, removal or conversion for a portion of existing		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Houston Huntington Village Drainage Improvements
ID#	063000091
Sponsor	00002853
RFPG recommend?	Yes
Reason for Recommendation	Pending Approval in March

Project Description

Project provides for design and construction of storm drainage improvements, necessary concrete paving for street replacement, curbs, sidewalks, driveways, and street lights to serve the Huntington Village subdivisions

Watershed HUC# (if known)	06000083	Emergency Need?	No
		Drainage area (mi² est.)	0.68
Associated FME's	999999	County	Fort Bend, Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk	876	# of structures	256	Critical facilities	1				
Farm/Ranch land impacted (acres)	0.04	Roadway(s) impacted (length)	2.91						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

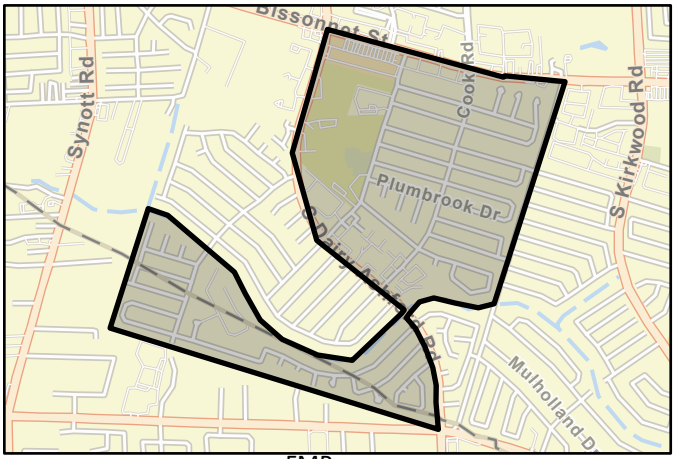
Population removed from 100-yr	143	# of structures removed from 100-yr	40
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits	Bike Route	Reduction in # of road closures over 10 years	0

Impacts

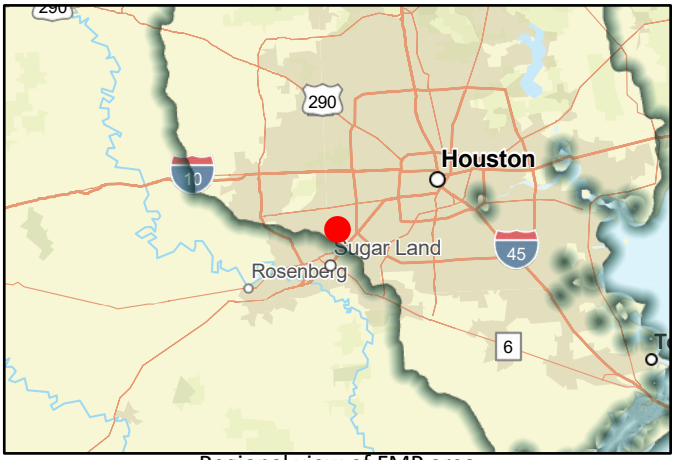
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	30,247,000.00	% Nature-Based	0.00	BCR	0.00
Recurring costs	1,814,820.00	Issues	Utility Conflicts		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Scott Street - OST to Brays Projects 1,2,and 3

ID#: 063000092 Sponsor: 00002853

RFPG recommend? Yes Reason for Recommendation: Pending Approval in March

Project Description

5 RR Crossing Improvements, Kuhlman Gully US expansion, Kuhlman Gully DS pond, Griggs Pond. Improvements to OST/Griggs, Cullen, Scott St, Calhoun Pond, Mainer St, drainage easement, St Augustine, Dixie Dr, Rebecca St Pond & Beech White Park Pond

Watershed HUC# (if known): 06000084

Emergency Need? Yes

Drainage area (mi² est.): 1.05

Associated FME's: 999999

County: Harris

Associated FMS's: 999999

Associated FMP's: 999999

Existing 100-Year Flood Risk

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Population at risk: 4,429 # of structures: 1,569 Critical facilities: 27

Farm/Ranch land impacted (acres): 0.14 Roadway(s) impacted (length): 15.11

Number of low water crossings: Historical road closures:

100-Year Flood Risk Reduction

Population removed from 100-yr: 236

# of structures removed from 100-yr: 96

Critical facilities removed from 100-yr: 2

Farm/Ranch land removed from 100-yr (acres): 0

Road removed from 100-yr (miles): 0.00

Low water crossings removed from 100-yr: 0

Other benefits:

Reduction in # of road closures over 10 years: 0

Impacts

Negative impacts? No

Negative impacts description:

Water supply contributions? No

Water supply contribution description:

Estimated Cost

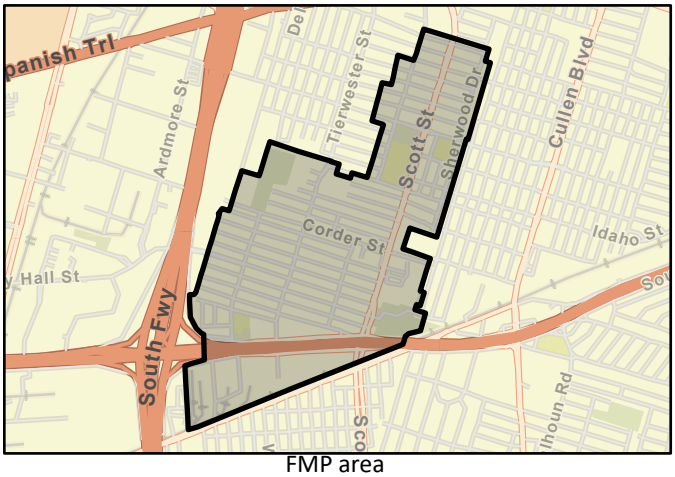
Project Cost: 128,714,000.00

% Nature-Based: 0.00

BCR: 1.50

Recurring costs: 7,722,840.00

Issues: Utility conflicts, lack of right-of-way, transportation conflicts



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Lake Creek - Garrett's Creek Detention		
ID#	063000093	Sponsor	00000287
RFPG recommend?	Yes	Reason for Recommendation	Pending Approval in March

Project Description

Design, land acquisition, and construction of a dry dam on Garrett's Creek to provide 16,850 acre-feet of storage during storm events and mitigate flood risk along Lake Creek.

Watershed HUC# (if known)	06000001, 06000012, 06000013, 06000014, 06000003, 06000007, 06000015, 06000009	Emergency Need?	No
		Drainage area (mi² est.)	455.28
Associated FME's	061000644	County	Montgomery,Grimes
Associated FMS's	999999	Associated FMP's	063000060

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	12,671	# of structures	4,257	Critical facilities	58				
Farm/Ranch land impacted (acres)	552.02	Roadway(s) impacted (length)	133.75						
Number of low water crossings	10	Historical road closures	10						

100-Year Flood Risk Reduction

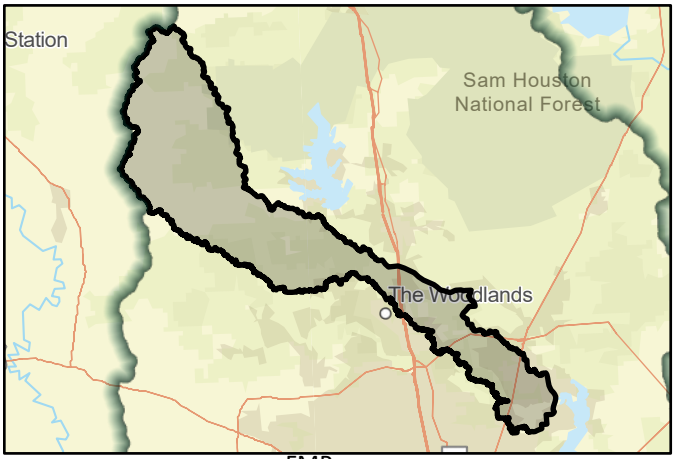
Population removed from 100-yr	10,161	# of structures removed from 100-yr	2,237
Critical facilities removed from 100-yr	15	Farm/Ranch land removed from 100-yr (acres)	25
Road removed from 100-yr (miles)	50.00	Low water crossings removed from 100-yr	1
Other benefits		Reduction in # of road closures over 10 years	148

Impacts

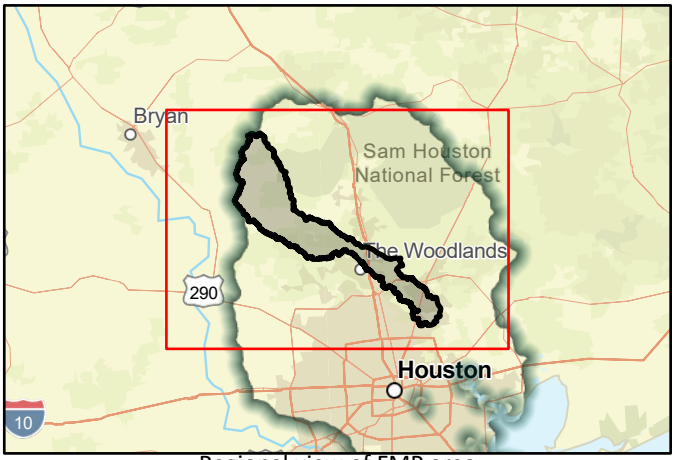
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	129,569,000.00	% Nature-Based	0.00	BCR	0.31
Recurring costs	7,774,140.00	Issues	Right-of-Way, Permitting, Acquisitions, Relocations, Utility Conflicts		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Lake Creek - Little Caney Creek Detention		
ID#	063000094	Sponsor	00000287
RFPG recommend?	Yes	Reason for Recommendation	Pending Approval in March

Project Description

Design, land acquisition, and construction of a dry dam on Little Caney Creek to provide 17,500 acre-feet of storage during storm events and mitigate flood risk along Lake Creek.

Watershed HUC# (if known)	06000001, 06000012, 06000013, 06000014, 06000003, 06000007, 06000015, 06000009	Emergency Need?	No
		Drainage area (mi² est.)	455.28
Associated FME's	061000643	County	Montgomery,Grimes
Associated FMS's	999999	Associated FMP's	063000060

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	12,671	# of structures	4,257	Critical facilities	58				
Farm/Ranch land impacted (acres)	552.02	Roadway(s) impacted (length)	133.75						
Number of low water crossings	10	Historical road closures	10						

100-Year Flood Risk Reduction

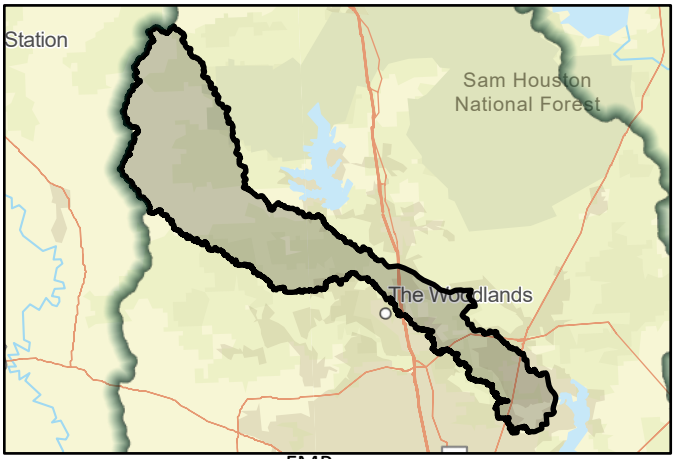
Population removed from 100-yr	10,161	# of structures removed from 100-yr	2,237
Critical facilities removed from 100-yr	15	Farm/Ranch land removed from 100-yr (acres)	25
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	1
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

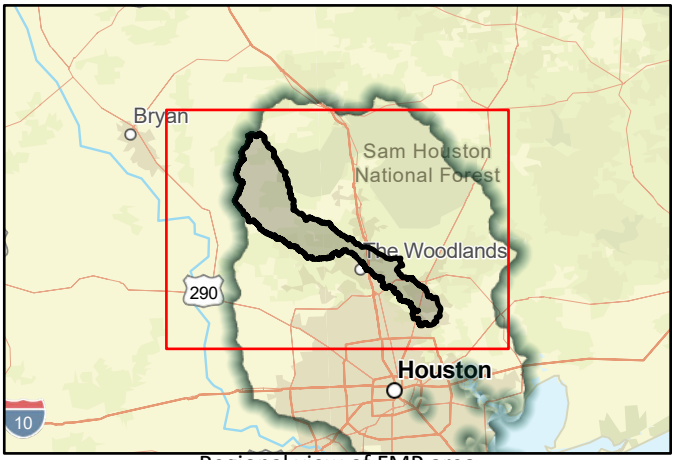
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	126,602,000.00	% Nature-Based	0.00	BCR	0.27
Recurring costs	7,596,120.00	Issues	Right-of-Way, Permitting, Acquisitions, Relocations, Utility Conflicts		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Spring Creek I-45 Channelization		
ID#	063000095	Sponsor	00000287
RFPG recommend?	Yes	Reason for Recommendation	Pending Approval in March

Project Description

Design, land acquisition, and construction of channel conveyance improvements on Spring Creek from I-45 to approximately 4 miles downstream of Riley Fuzzel Road to increase conveyance capacity.

Watershed HUC# (if known)	06000055, 06000016, 06000017, 06000018, 06000019, 06000020, 06000021, 06000024, 06000023, 06000036, 06000026, 06000030,	Emergency Need?	Yes
		Drainage area (mi² est.)	390.70
Associated FME's	061000648	County	Harris, Waller, Montgomery, Grimes
Associated FMS's	999999	Associated FMP's	063000062, 063000096,

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	18,975	# of structures	7,845	Critical facilities	23				
Farm/Ranch land impacted (acres)	135.01	Roadway(s) impacted (length)	128.52						
Number of low water crossings	14	Historical road closures	14						

100-Year Flood Risk Reduction

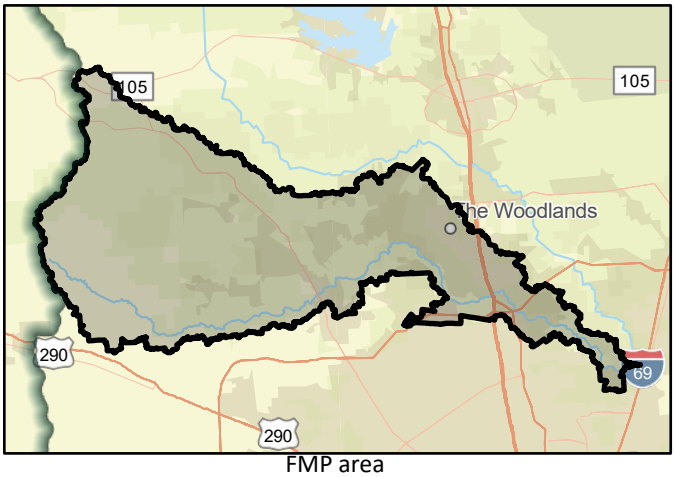
Population removed from 100-yr	12,904	# of structures removed from 100-yr	3,762
Critical facilities removed from 100-yr	3	Farm/Ranch land removed from 100-yr (acres)	4
Road removed from 100-yr (miles)	50.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	275

Impacts

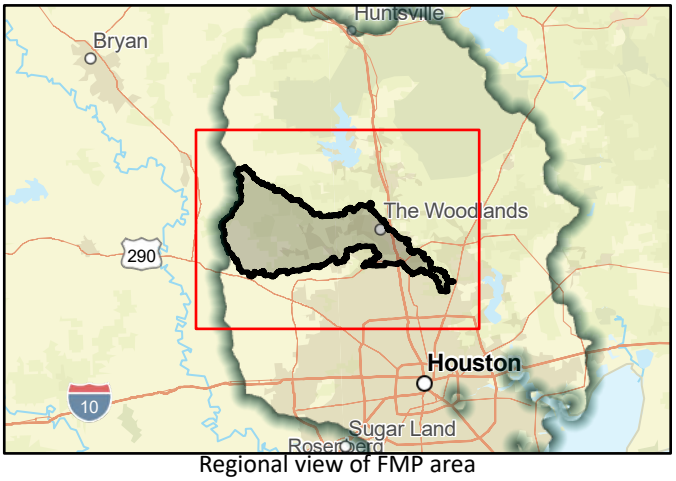
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	84,071,000.00	% Nature-Based	0.00	BCR	1.17
Recurring costs	5,044,260.00	Issues	Right-of-Way, Permitting, Acquisitions, Utility Conflics, Transportation Conflicts		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Spring Creek Walnut Creek Detention		
ID#	063000096	Sponsor	00000287
RFPG recommend?	Yes	Reason for Recommendation	Pending Approval in March

Project Description

Design, land acquisition, and construction of dry dam detention facility on Walnut, to provide approximately 7,200 acre-ft of storage during storm events and reduce flood risk on Spring Creek.

Watershed HUC# (if known)	06000055, 06000016, 06000017, 06000018, 06000019, 06000020, 06000021, 06000024, 06000023, 06000036, 06000026, 06000030,	Emergency Need?	Yes
		Drainage area (mi² est.)	412.52
Associated FME's	999999	County	Harris, Waller, Montgomery, Grimes
Associated FMS's	999999	Associated FMP's	063000095, 063000097

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	24,176	# of structures	9,964	Critical facilities	64				
Farm/Ranch land impacted (acres)	232.11	Roadway(s) impacted (length)	184.27						
Number of low water crossings	7	Historical road closures	7						

100-Year Flood Risk Reduction

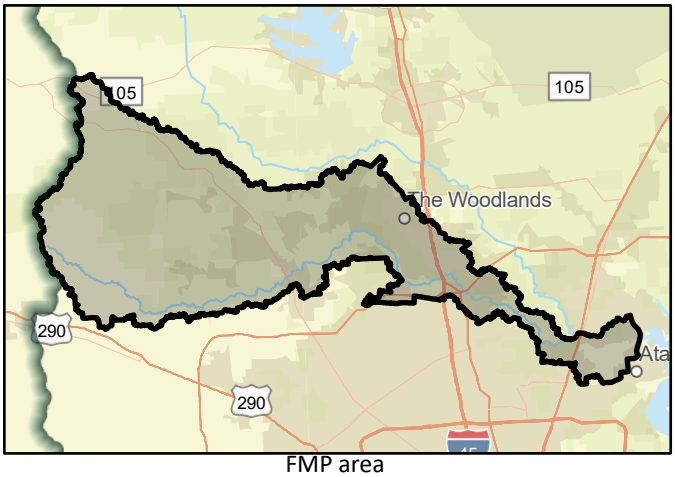
Population removed from 100-yr	994	# of structures removed from 100-yr	404
Critical facilities removed from 100-yr	1	Farm/Ranch land removed from 100-yr (acres)	2
Road removed from 100-yr (miles)	9.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

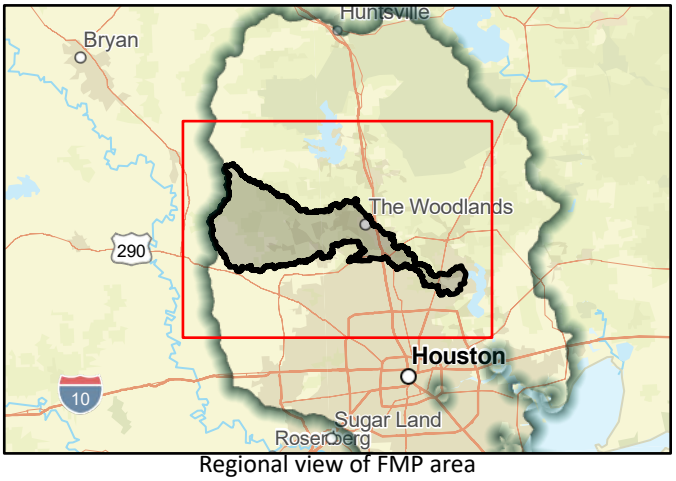
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	141,438,000.00	% Nature-Based	0.00	BCR	1.21
Recurring costs	8,486,280.00	Issues	Right-of-Way, Permitting, Acquisitions, Utility Conflics, Transportation Conflicts		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Spring Creek Woodlands Channelization (200-ft)
ID#	063000097
Sponsor	00000287
RFPG recommend?	Yes
Reason for Recommendation	Pending Approval in March

Project Description

Design, land acquisition, and construction of channel conveyance improvements on Spring Creek from Kuykendahl Road to Willow Creek confluence to increase conveyance capacity.

Watershed HUC# (if known)	06000055, 06000016, 06000017, 06000018, 06000019, 06000020, 06000021, 06000024, 06000023, 06000036, 06000026, 06000030,
Emergency Need?	Yes
Drainage area (mi² est.)	390.70
Associated FME's	061000647
County	Harris, Waller, Montgomery, Grimes
Associated FMS's	999999
Associated FMP's	063000062, 063000096,

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No

Population at risk	18,975	# of structures	7,845	Critical facilities	23
Farm/Ranch land impacted (acres)	135.01	Roadway(s) impacted (length)	128.52		
Number of low water crossings	14	Historical road closures	14		

100-Year Flood Risk Reduction

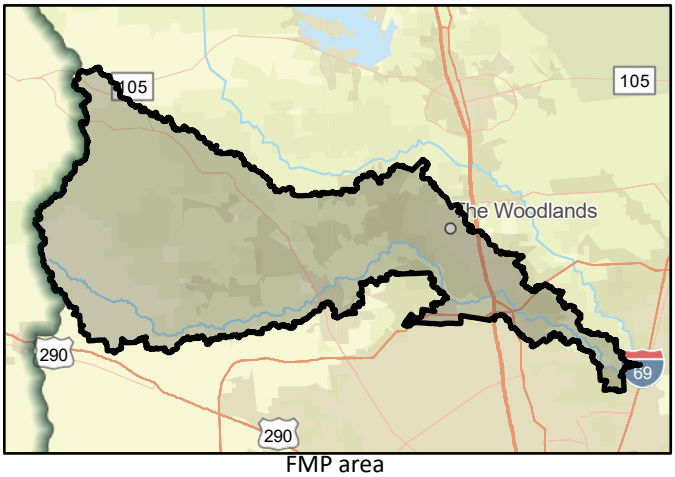
Population removed from 100-yr	3,028	# of structures removed from 100-yr	980
Critical facilities removed from 100-yr	2	Farm/Ranch land removed from 100-yr (acres)	1
Road removed from 100-yr (miles)	4.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	16

Impacts

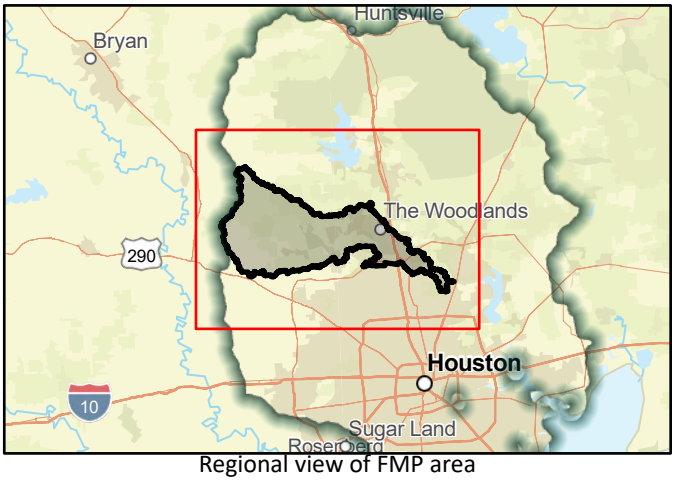
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	55,388,000.00	% Nature-Based	0.00	BCR	0.62
Recurring costs	3,323,280.00	Issues	Right-of-Way, Permitting, Acquisitions, Utility Conflics, Transportation Conflicts		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Lake Creek - Caney Creek Detention		
ID#	063000098	Sponsor	06000037
RFPG recommend?	Yes	Reason for Recommendation	Pending Approval in March

Project Description

Design, land acquisition, and construction of a dry dam on Caney Creek to reduce flooding, provide 19,750 acre-feet of storage during storm events, and mitigate flood risk along Caney and Lake Creek.

Watershed HUC# (if known)	06000001, 06000012, 06000013, 06000014, 06000003, 06000007, 06000015, 06000009	Emergency Need?	No
		Drainage area (mi² est.)	455.28
Associated FME's	061000642	County	Montgomery,Grimes
Associated FMS's	999999	Associated FMP's	063000060

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	12,671	# of structures	4,257	Critical facilities	58				
Farm/Ranch land impacted (acres)	552.02	Roadway(s) impacted (length)	133.75						
Number of low water crossings	10	Historical road closures	10						

100-Year Flood Risk Reduction

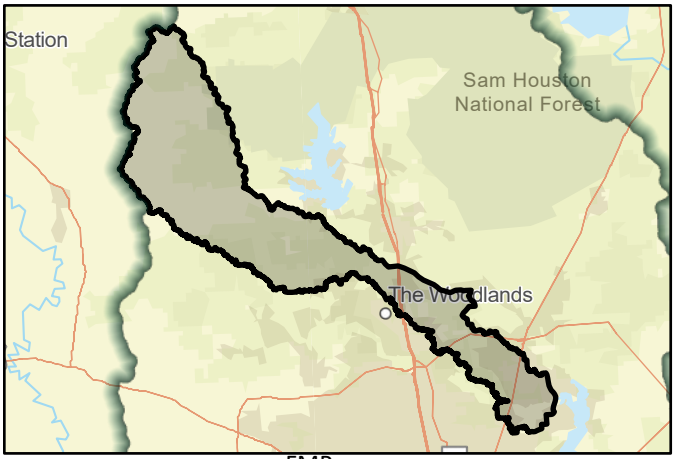
Population removed from 100-yr	10,161	# of structures removed from 100-yr	2,237
Critical facilities removed from 100-yr	15	Farm/Ranch land removed from 100-yr (acres)	25
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	1
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

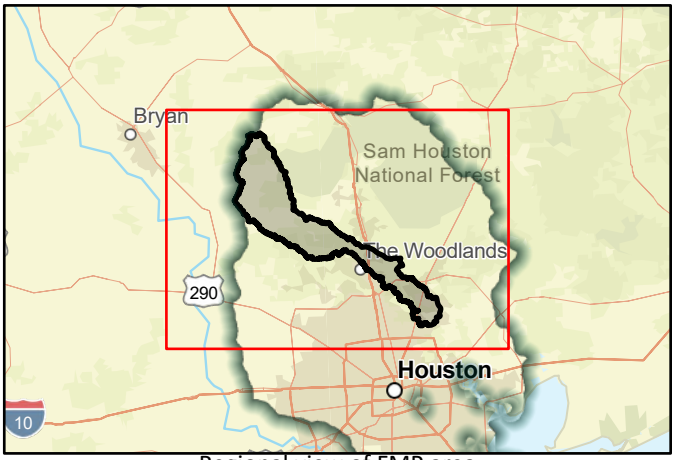
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	161,219,008.00	% Nature-Based	0.00	BCR	0.26
Recurring costs	9,673,140.00	Issues	Right-of-Way, Permitting, Acquisitions, Relocations, Utility Conflicts		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Spring Creek Birch Creek Detention
ID#	063000099
Sponsor	00000287
RFPG recommend?	Yes
Reason for Recommendation	Pending Approval in March

Project Description

Design, land acquisition, and construction of dry dam detention facility on Birch Creek, to provide approximately 4,800 acre-ft of storage during storm events and reduce flood risk on Spring Creek.

Watershed HUC# (if known)	06000055, 06000016, 06000017, 06000018, 06000019, 06000020, 06000021, 06000024, 06000023, 06000036, 06000026, 06000030,
Emergency Need?	Yes
Drainage area (mi² est.)	412.52
Associated FME's	999999
County	Harris, Waller, Montgomery, Grimes
Associated FMS's	999999
Associated FMP's	063000095, 063000097

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	24,176	# of structures	9,964	Critical facilities	64				
Farm/Ranch land impacted (acres)	232.11	Roadway(s) impacted (length)	184.27						
Number of low water crossings	7	Historical road closures	7						

100-Year Flood Risk Reduction

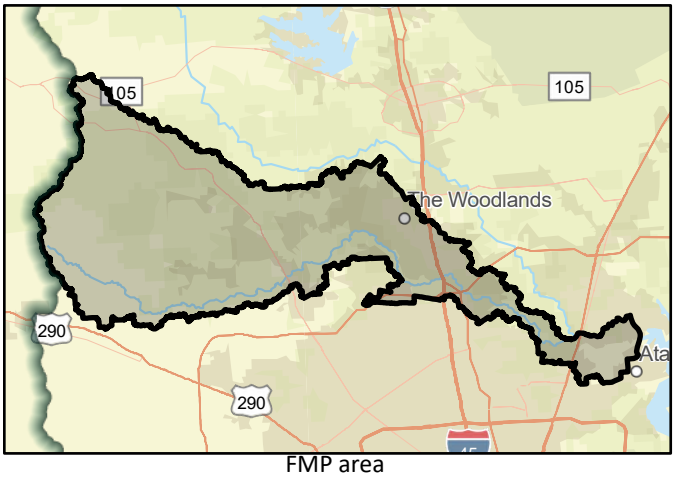
Population removed from 100-yr	820	# of structures removed from 100-yr	331
Critical facilities removed from 100-yr	1	Farm/Ranch land removed from 100-yr (acres)	1
Road removed from 100-yr (miles)	7.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

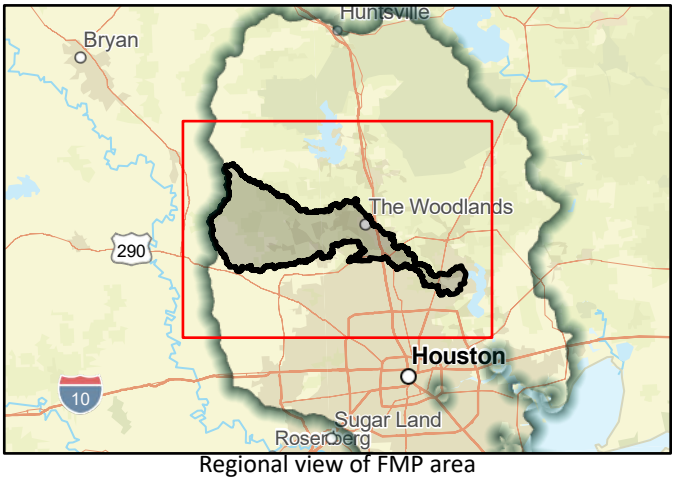
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	85,061,000.00	% Nature-Based	0.00	BCR	2.03
Recurring costs	5,103,660.00	Issues	Right-of-Way, Permitting, Acquisitions, Utility Conflics, Transportation Conflicts		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Bayou Vista Regulations and Permit Requirements Update
ID#	063000114
Sponsor	06002806
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Update regulations and permit requirements to address enhances hazard mitigation strategies.

Watershed HUC# (if known)	06000107	Emergency Need?	No
		Drainage area (mi² est.)	0.45
Associated FME's	999999	County	Galveston
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No

Population at risk	1,476	# of structures	1,122	Critical facilities	3
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	7.71		
Number of low water crossings		Historical road closures			

100-Year Flood Risk Reduction

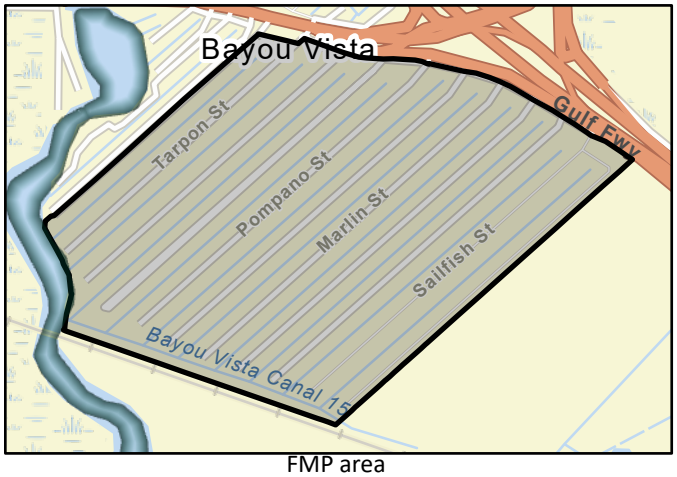
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

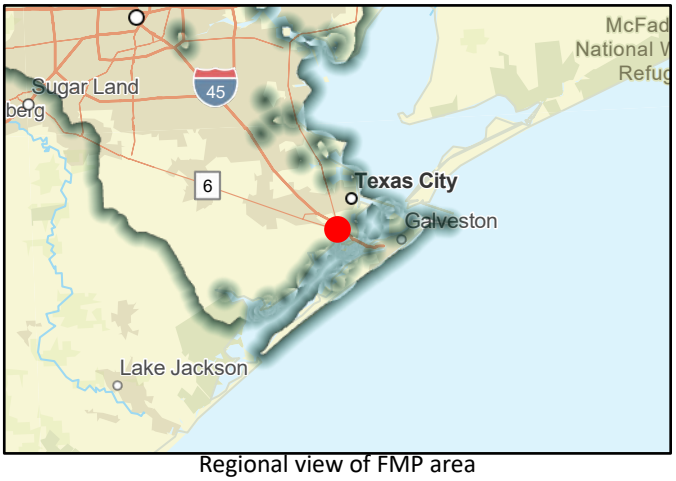
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	109,000.00	% Nature-Based	0.00	BCR	5.00
Recurring costs	6,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of League City Freeboard Ordinance
ID#	063000115
Sponsor	06003147
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Update city ordinance to require 24" of freeboard in the floodplain.

Watershed HUC# (if known)	06000107, 06000106	Emergency Need?	No
		Drainage area (mi² est.)	52.89
Associated FME's	999999	County	Galveston,Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No

Population at risk	13,675	# of structures	5,251	Critical facilities	25
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	104.57		
Number of low water crossings	2	Historical road closures	2		

100-Year Flood Risk Reduction

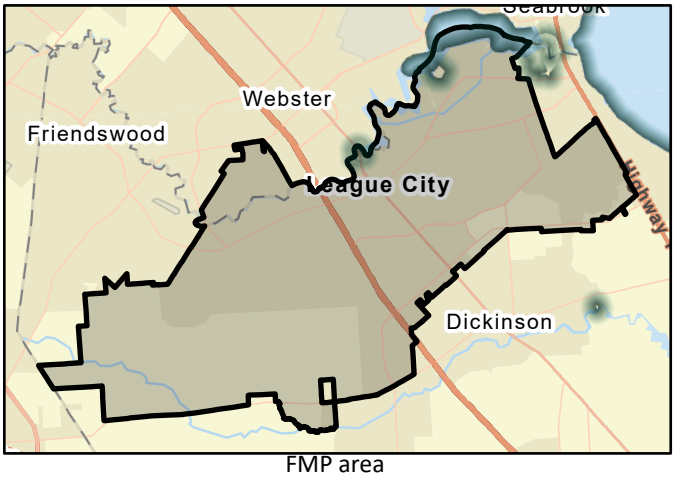
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	109,000.00	% Nature-Based	0.00	BCR	5.00
Recurring costs	6,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Cleveland Floodplain Land-Use Ordinance
ID#	063000123
Sponsor	06002530
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

The city shall adopt a land-use ordinance which prohibits building residential or commercial structures in the 100-year floodplain.

Watershed HUC# (if known)	06000056, 06000053, 06000054, 06000058, 06000057, 06000069	Emergency Need?	No
		Drainage area (mi² est.)	18.74
Associated FME's	999999	County	Liberty,Montgomery,San Jacinto
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk	1,037	# of structures	261	Critical facilities	0				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	27.33						
Number of low water crossings	1	Historical road closures	1						

100-Year Flood Risk Reduction

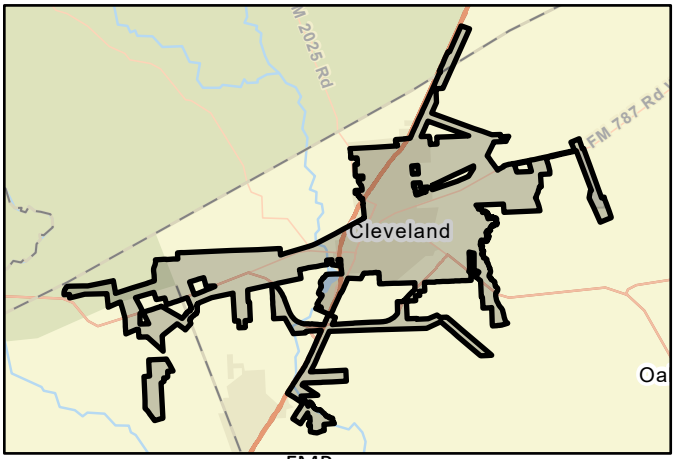
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

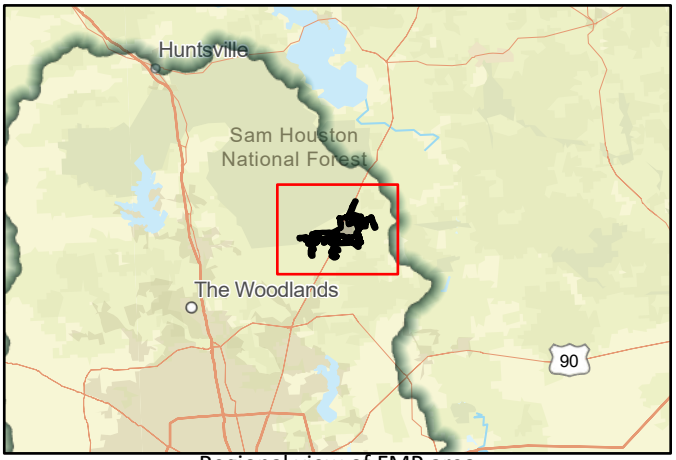
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	109,000.00	% Nature-Based	0.00	BCR	5.00
Recurring costs	6,000.00	Issues	Relocations		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Cleveland Flooplain Ordinance Update
ID#	063000124
Sponsor	06002530
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Adopt a land use ordinance which requires any structure within the 100-year floodplain to be elevated 2 feet.

Watershed HUC# (if known)	06000056, 06000053, 06000054, 06000058, 06000057, 06000069
Emergency Need?	No
Drainage area (mi² est.)	18.74
Associated FME's	999999
County	Liberty,Montgomery,San Jacinto
Associated FMS's	999999
Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk	1,037	# of structures	261	Critical facilities	0				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	27.33						
Number of low water crossings	1	Historical road closures	1						

100-Year Flood Risk Reduction

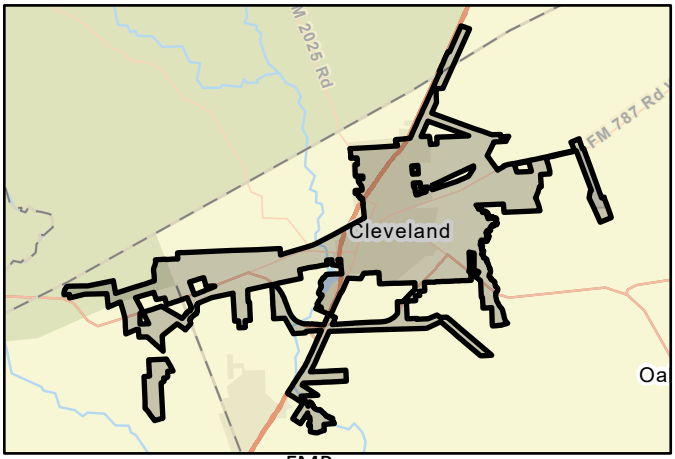
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

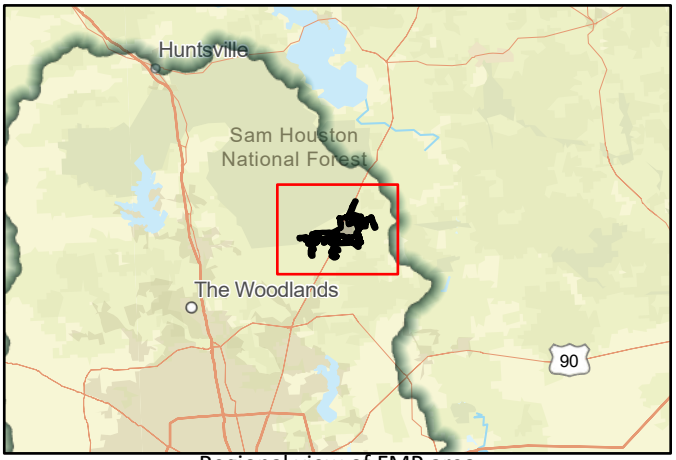
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	109,000.00	% Nature-Based	0.00	BCR	
Recurring costs	6,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Galveston Bay Surge Protection Coastal Storm Risk Management
ID#	063000127
Sponsor	00004001
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Federal projects identified in the Texas Coastal Study (2021) including Boliver Gates, Galveston Sea Wall Improvements, Ecosystem Restoration, Galveston Ring Barrier system, Clear Creek & Dickinson Bayou Gates, and non-structural measures.

Watershed HUC# (if known)	06000056, 06000091, 06000095, 06000084, 06000097, 06000098, 06000094, 06000082, 06000090, 06000092, 06000081, 06000086,
Emergency Need?	Yes
Drainage area (mi² est.)	1,905.01
Associated FME's	999999
County	Brazoria,Galveston,Fort Bend,Chambers,Harris,Liberty
Associated FMS's	999999
Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	Yes	Local?	No	Playa?	No	Other? No

Population at risk	266,742	# of structures	103,716	Critical facilities	3,158
Farm/Ranch land impacted (acres)	4,693.64	Roadway(s) impacted (length)	1,680.63		
Number of low water crossings	39	Historical road closures	39		

100-Year Flood Risk Reduction

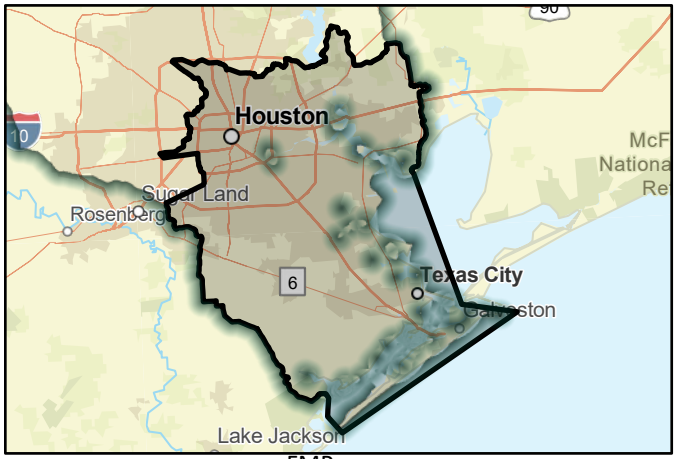
Population removed from 100-yr	346,773	# of structures removed from 100-yr	75,744
Critical facilities removed from 100-yr	2,086	Farm/Ranch land removed from 100-yr (acres)	4,694
Road removed from 100-yr (miles)	1,056.00	Low water crossings removed from 100-yr	16
Other benefits	Environmental, Public Uplift, Low Impact	Reduction in # of road closures over 10 years	16

Impacts

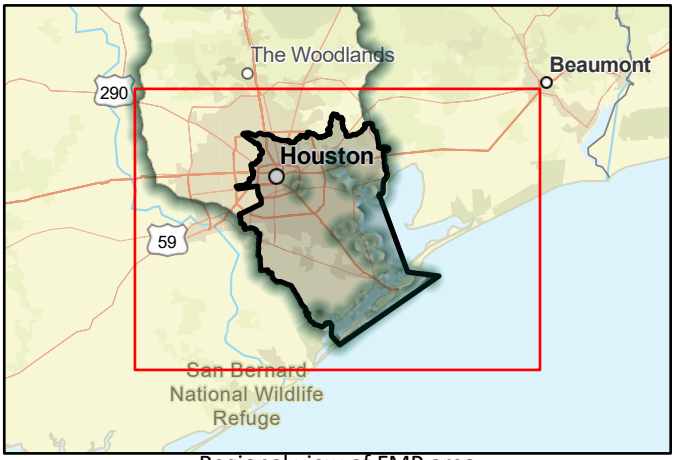
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	24,107,063,296.00	% Nature-Based	0.00	BCR	1.91
Recurring costs	1,399,698,944.00	Issues	Right-of-Way, Permitting, Acquisitions, Relocations, Environmental Concerns		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Manvel City Ordinance		
ID#	063000129	Sponsor	06002985
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

The city shall adopt a land use ordinance which requires any structure within the 100-year floodplain to be elevated 2 feet above base flood elevation.

Watershed HUC# (if known)	06000107, 06000109, 06000106	Emergency Need?	No
		Drainage area (mi² est.)	27.41
Associated FME's	999999	County	Brazoria
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk	6,741	# of structures	1,250	Critical facilities	8				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	43.32						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

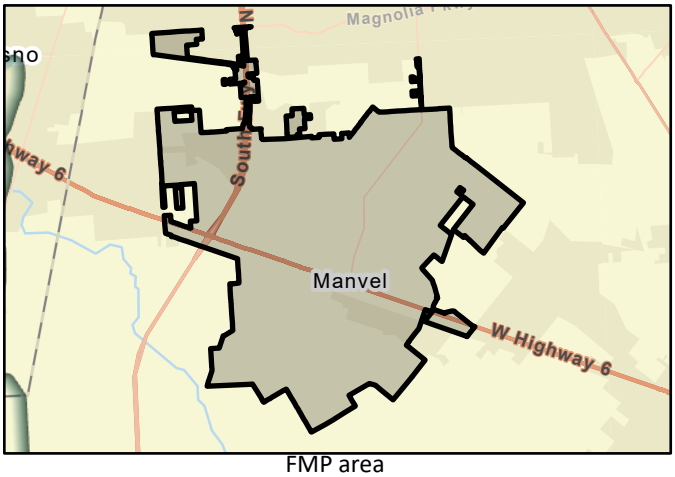
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

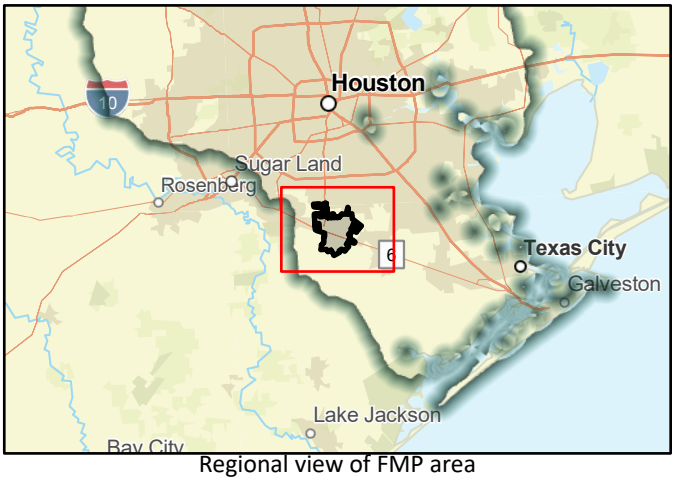
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	103,000.00	% Nature-Based	0.00	BCR	5.00
Recurring costs	6,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Manvel Land-Use Ordinance Adoption
ID#	063000130
Sponsor	06002985
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

The city shall adopt a land-use ordinance which prohibits building residential or commercial structures in the 100-year floodplain.

Watershed HUC# (if known)	06000107, 06000109, 06000106	Emergency Need?	No
		Drainage area (mi² est.)	27.41
Associated FME's	999999	County	Brazoria
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk	6,741	# of structures	1,250	Critical facilities	8				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	43.32						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

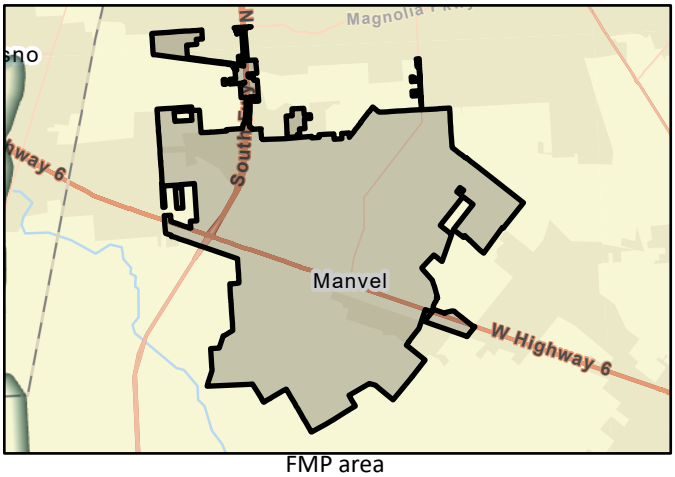
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

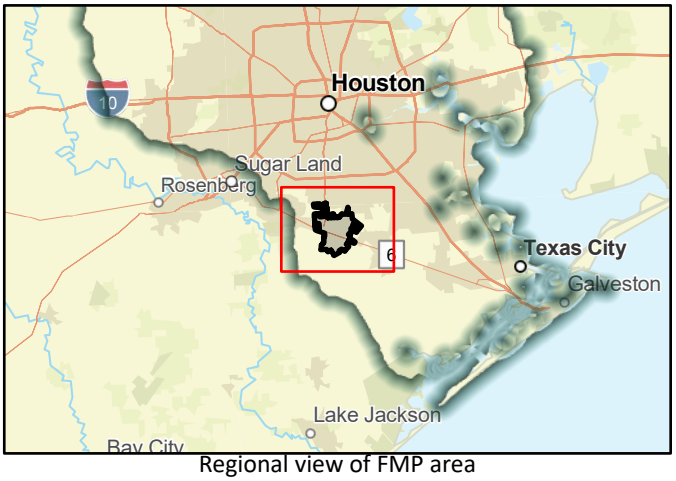
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	103,000.00	% Nature-Based	0.00	BCR	5.00
Recurring costs	6,000.00	Issues	Permitting, Relocations		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Manvel GIS Database Improvements		
ID#	063000132	Sponsor	06002985
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Improve GIS database to include repetitive loss properties areas and flooded structure data. Data to be used for future drainage infrastructure planning and to provide outreach and emergency services to residents in substantial risk zones.

Watershed HUC# (if known)	06000107, 06000109, 06000106	Emergency Need?	No
		Drainage area (mi² est.)	27.41
Associated FME's	999999	County	Brazoria
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk	6,741	# of structures	1,250	Critical facilities	8				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	43.32						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

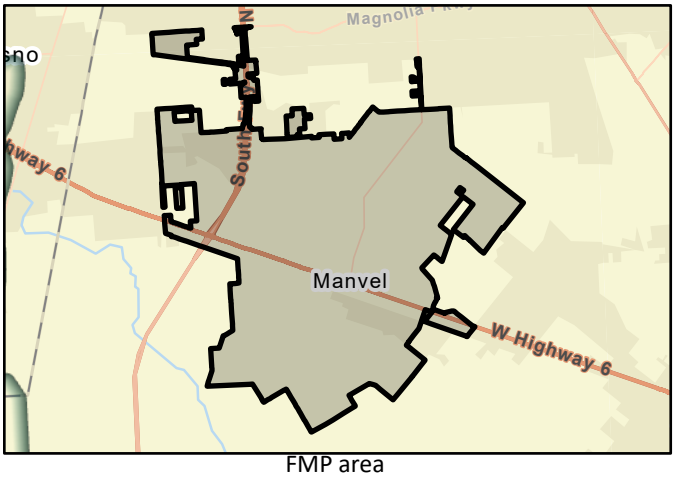
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

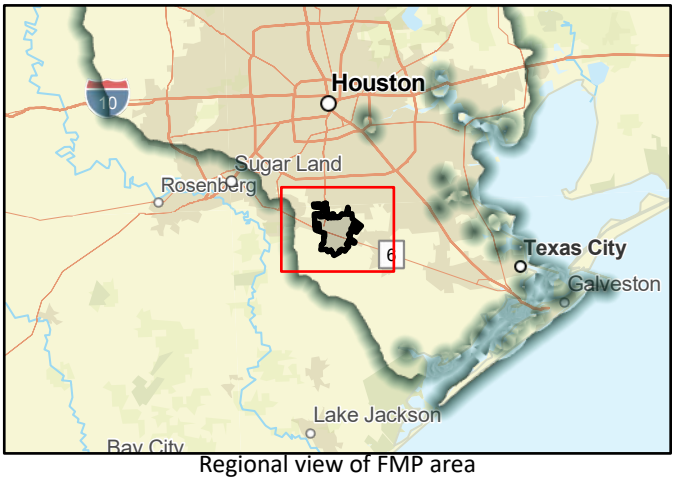
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	21,000.00	% Nature-Based	0.00	BCR	
Recurring costs	2,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Brazoria County NFIP Technical Material
ID#	063000136
Sponsor	00000003
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Place copies of FEMA Flood-related technical bulletins in County libraries.

Watershed HUC# (if known)	06000108, 06000107, 06000109, 06000106
Emergency Need?	No
Drainage area (mi² est.)	1,481.86
Associated FME's	999999
County	Brazoria
Associated FMS's	999999
Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk	38,626	# of structures	18,848	Critical facilities	248				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	328.07						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

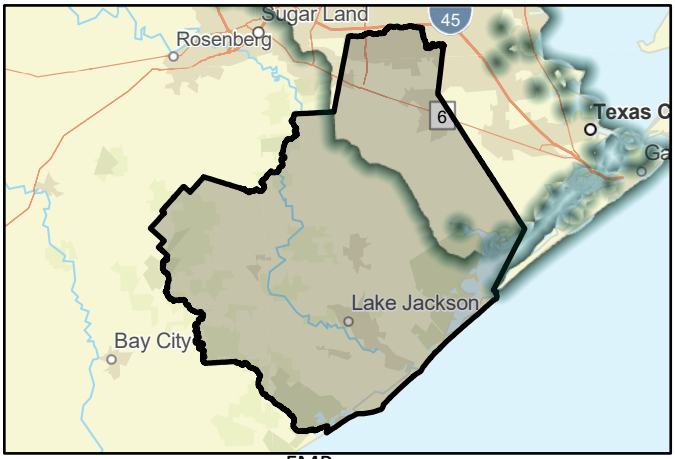
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits	Public Education	Reduction in # of road closures over 10 years	0

Impacts

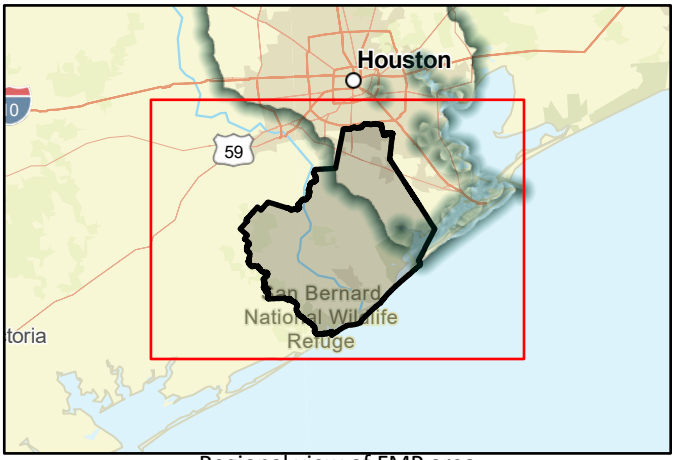
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	21,000.00	% Nature-Based	0.00	BCR	
Recurring costs	2,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Clear Lake Shores - Implement Stormwater Management Practices		
ID#	063000139	Sponsor	06002808
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

The Stormwater management plan is focused on six minimum measures regarding what is being done to prevent stormwater pollution. Annual reporting and renewals are required to ensure compliance is met.

Watershed HUC# (if known)	06000106	Emergency Need?	No
		Drainage area (mi² est.)	0.71
Associated FME's	999999	County	Galveston,Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No

Population at risk	2,597	# of structures	633	Critical facilities	4
Farm/Ranch land impacted (acres)	0.00			Roadway(s) impacted (length)	8.83
Number of low water crossings	0			Historical road closures	0

100-Year Flood Risk Reduction

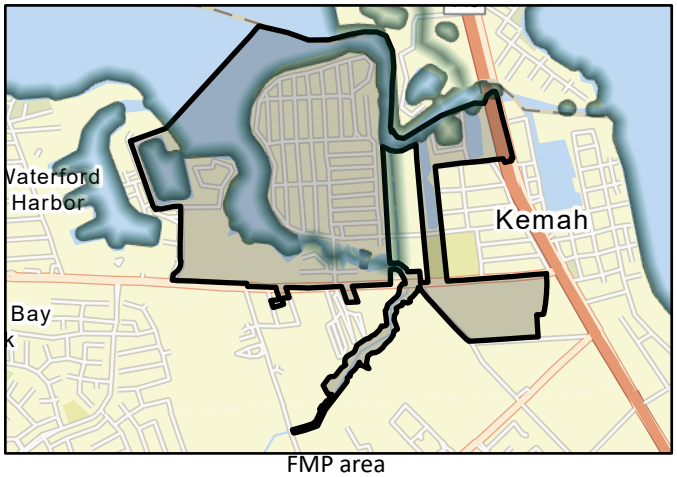
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits	Environmental	Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	109,000.00	% Nature-Based	0.00	BCR	
Recurring costs	6,000.00	Issues	Right-of-Way, Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Clear Lake Shores - Improve Regulations and Permit Requirements		
ID#	063000140	Sponsor	06002808
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Update regulations and permit requirements.

Watershed HUC# (if known)	06000106	Emergency Need?	No
		Drainage area (mi² est.)	0.71
Associated FME's	999999	County	Galveston,Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk	2,597	# of structures	633	Critical facilities	4				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	8.83						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

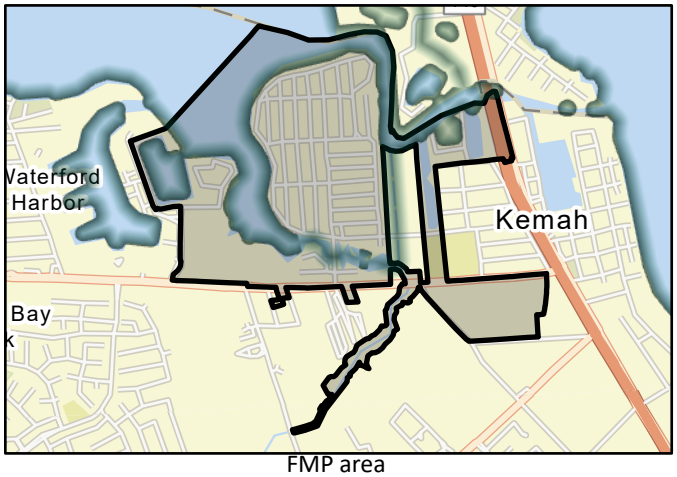
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	109,000.00	% Nature-Based	0.00	BCR	5.00
Recurring costs	6,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Hitcock - Improve Regulations and Permit Requirements
ID#	063000142
Sponsor	06003145
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Improve regulations and permit requirements to promote hazard mitigation strategies.

Watershed HUC# (if known)	06000108, 06000107	Emergency Need?	No
		Drainage area (mi² est.)	91.21
Associated FME's	999999	County	Brazoria,Galveston
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk	5,294	# of structures	2,655	Critical facilities	12				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	72.52						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

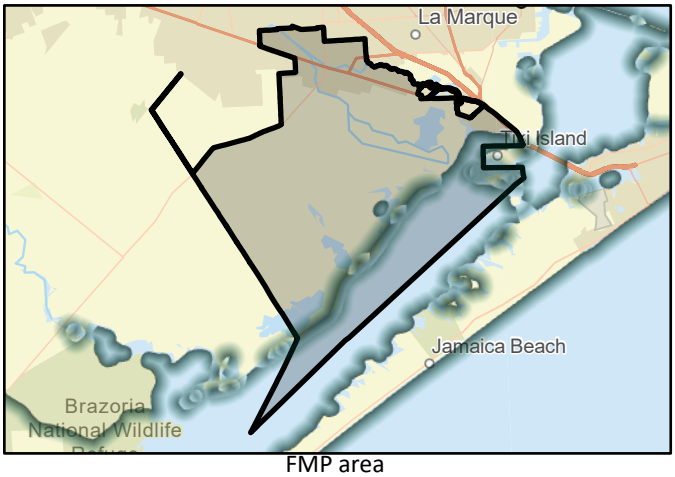
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	109,000.00	% Nature-Based	0.00	BCR	5.00
Recurring costs	6,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Jamaica Beach - Improve Regulations and Permit Requirements
ID#	063000143
Sponsor	06002810
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Improve regulations and permit requirements to promote hazard mitigation strategies.

Watershed HUC# (if known)	06000108	Emergency Need?	No
		Drainage area (mi² est.)	0.71
Associated FME's	999999	County	Galveston
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk	275	# of structures	1,276	Critical facilities	4				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	13.81						
Number of low water crossings		Historical road closures							

100-Year Flood Risk Reduction

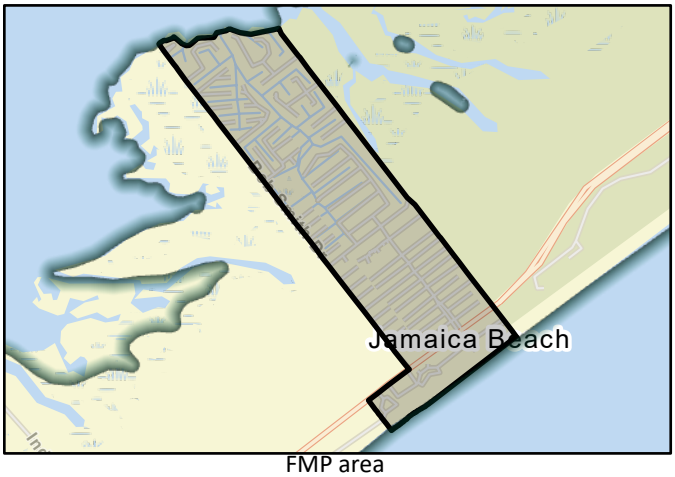
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	109,000.00	% Nature-Based	0.00	BCR	5.00
Recurring costs	6,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Kemah - Improve Regulations and Permit Requirements
ID#	063000144
Sponsor	06003396
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Improve regulations and permit requirements to promote hazard mitigation strategies.

Watershed HUC# (if known)	06000107, 06000106	Emergency Need?	No
		Drainage area (mi² est.)	1.91
Associated FME's	999999	County	Galveston,Chambers
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk	2,792	# of structures	562	Critical facilities	7				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	12.01						
Number of low water crossings		Historical road closures							

100-Year Flood Risk Reduction

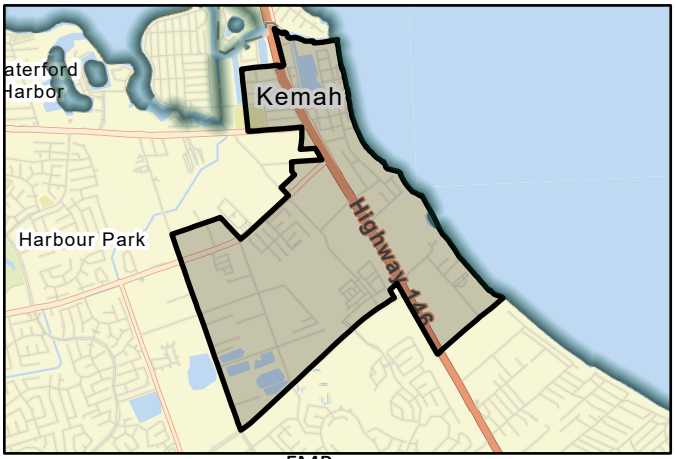
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

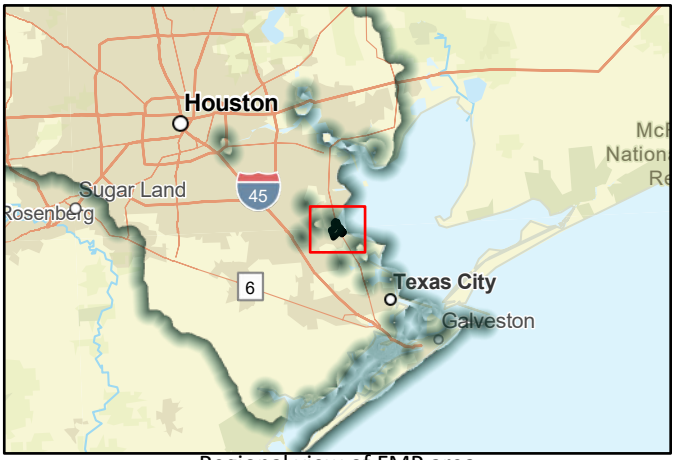
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	109,000.00	% Nature-Based	0.00	BCR	5.00
Recurring costs	6,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Kemah - Update Floodplain Ordinance
ID#	063000145
Sponsor	06003396
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Update floodplain ordinance to ensure compliance with minimum standard of NFIP.

Watershed HUC# (if known)	06000107, 06000106	Emergency Need?	No
		Drainage area (mi² est.)	1.91
Associated FME's	999999	County	Galveston,Chambers
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk	2,792	# of structures	562	Critical facilities	7				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	12.01						
Number of low water crossings		Historical road closures							

100-Year Flood Risk Reduction

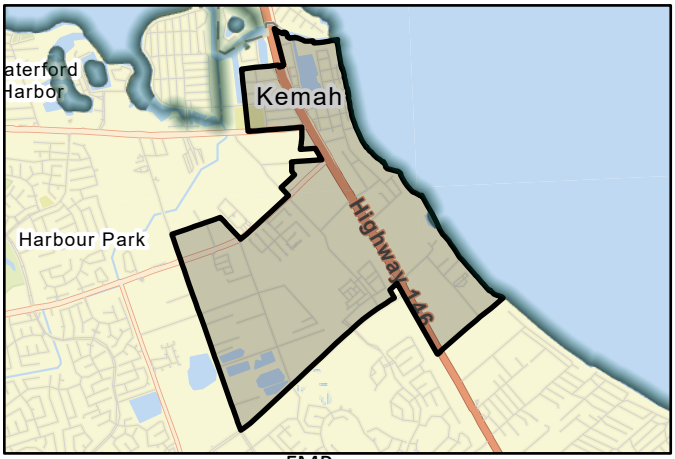
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

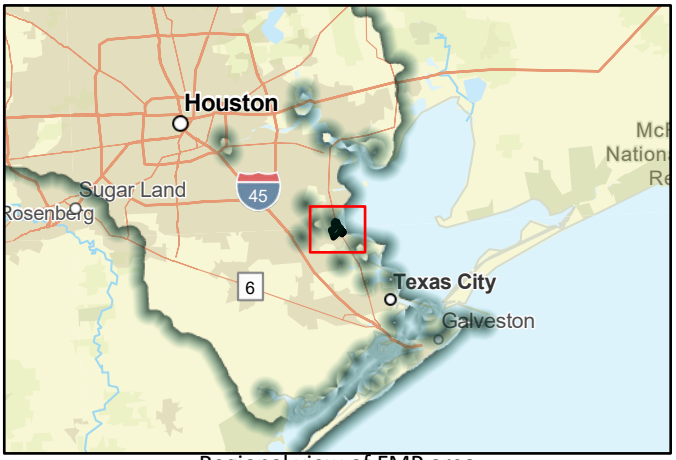
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	109,000.00	% Nature-Based	0.00	BCR	5.00
Recurring costs	6,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of La Marque - Improve Regulations and Permit Requirements
ID#	063000146
Sponsor	06003146
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Improve regulations and permit requirements to promote hazard mitigation strategies.

Watershed HUC# (if known)	06000107	Emergency Need?	No
		Drainage area (mi² est.)	14.23
Associated FME's	999999	County	Galveston
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk	1,455	# of structures	829	Critical facilities	8				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	31.12						
Number of low water crossings	1	Historical road closures	1						

100-Year Flood Risk Reduction

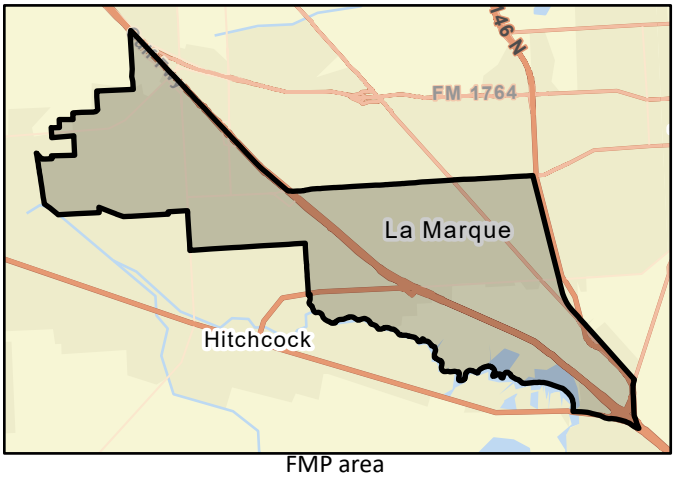
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

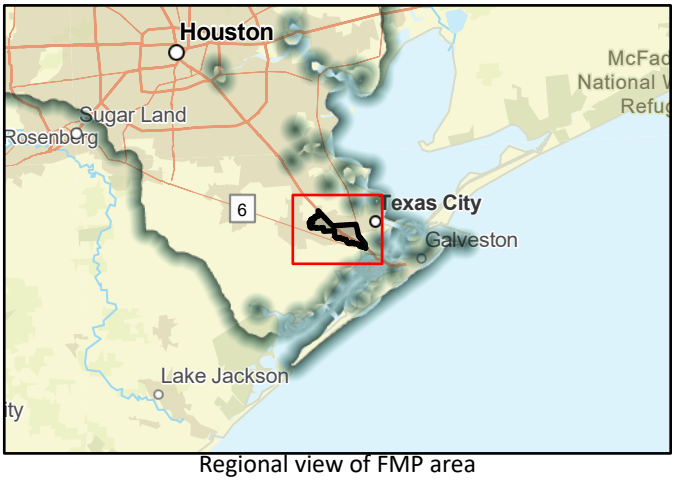
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	109,000.00	% Nature-Based	0.00	BCR	5.00
Recurring costs	6,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Tiki Island - Improve Regulations and Permit Requirements
ID#	063000148
Sponsor	06003397
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Update and/or develop regulations and permits to address hazards prone to the area and include any changes in future development area.

Watershed HUC# (if known)	06000107	Emergency Need?	No
		Drainage area (mi² est.)	1.59
Associated FME's	999999	County	Galveston
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No

Population at risk	1,681	# of structures	1,006	Critical facilities	6
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	9.64		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

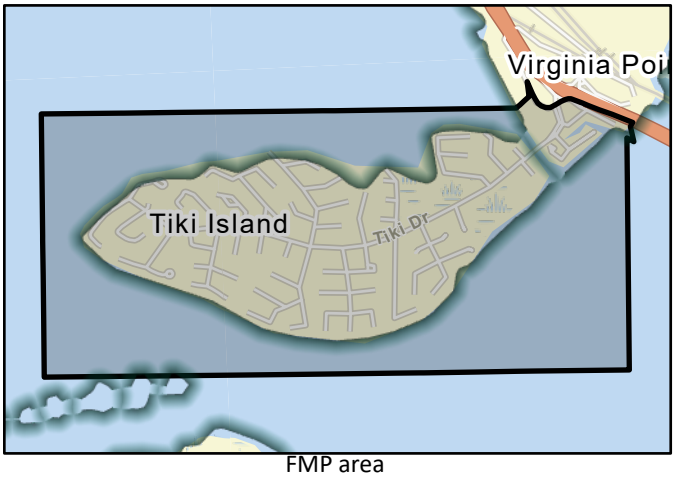
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	109,000.00	% Nature-Based	0.00	BCR	5.00
Recurring costs	6,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Santa Fe - Improve Regulations and Permit Requirements
ID#	063000149
Sponsor	06003149
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Update and/or develop regulations and permits to address hazards prone to the area and include any changes in future development area.

Watershed HUC# (if known)	06000108, 06000107
Emergency Need?	No
Drainage area (mi² est.)	17.04
Associated FME's	999999
County	Galveston
Associated FMS's	999999
Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No

Population at risk	748	# of structures	400	Critical facilities	1
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	4.13		
Number of low water crossings	9	Historical road closures	9		

100-Year Flood Risk Reduction

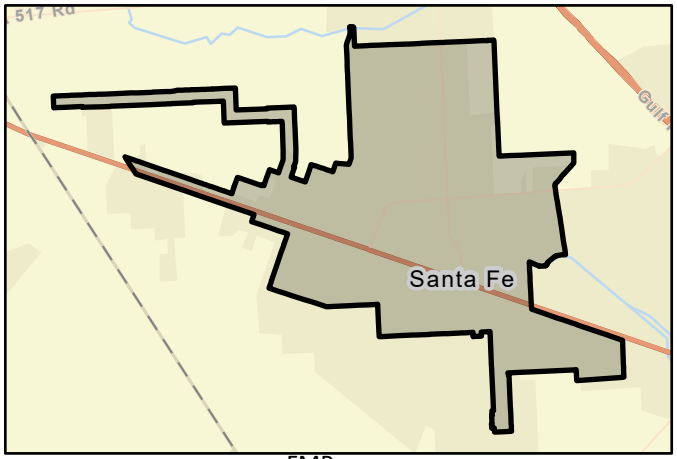
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	109,000.00	% Nature-Based	0.00	BCR	5.00
Recurring costs	6,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Galveston Land Use Mapping		
ID#	063000152	Sponsor	06002809
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Develop proposed land use mapping to allow easier consideration of hazards.

Watershed HUC# (if known)	06000108, 06000107, 06000109, 06000110	Emergency Need?	No
		Drainage area (mi² est.)	211.08
Associated FME's	999999	County	Galveston
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk	64,300	# of structures	21,858	Critical facilities	509				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	408.63						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

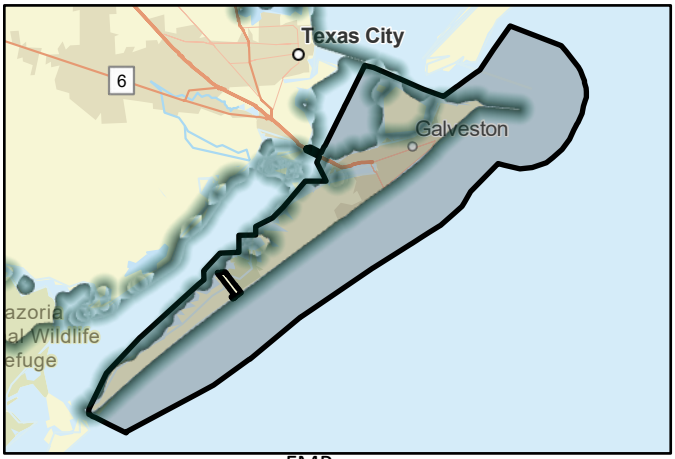
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

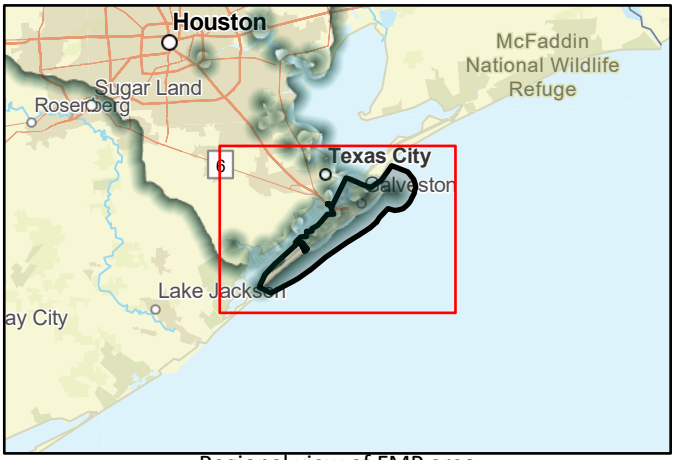
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	11,000.00	% Nature-Based	0.00	BCR	
Recurring costs	1,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Galveston Freeboard Requirement Enforcement
ID#	063000153
Sponsor	06002809
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Consider adoption and enforcement of freeboard requirement into City's Flood Damage Prevention Ordinance.

Watershed HUC# (if known)	06000108, 06000107, 06000109, 06000110
Emergency Need?	No
Drainage area (mi² est.)	211.08
Associated FME's	999999
County	Galveston
Associated FMS's	999999
Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No

Population at risk	64,300	# of structures	21,858	Critical facilities	509
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	408.63		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

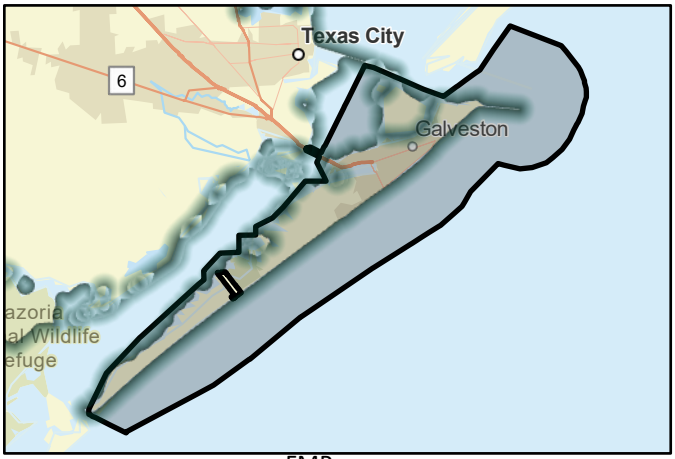
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

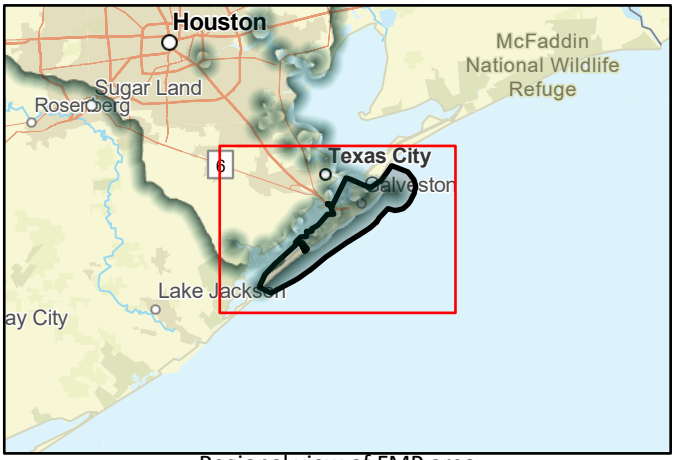
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	100,000.00	% Nature-Based	0.00	BCR	5.00
Recurring costs	6,000.00	Issues	Right-of-Way, Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and
ID#	063000167
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Projects submited as part of the CDBG MIT grant in Greens Bayou including Projects: Fountainview Sec 1&2, Castlewood Sec 3&4, North Forest, Mid-Reach Greens, Parkland Estates, and Humble Road Place.

Watershed HUC# (if known)	06000087, 06000090, 06000088, 06000089	Emergency Need?	Yes
		Drainage area (mi² est.)	37.91
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No

Population at risk	49,996	# of structures	4,420	Critical facilities	88
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	98.49		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

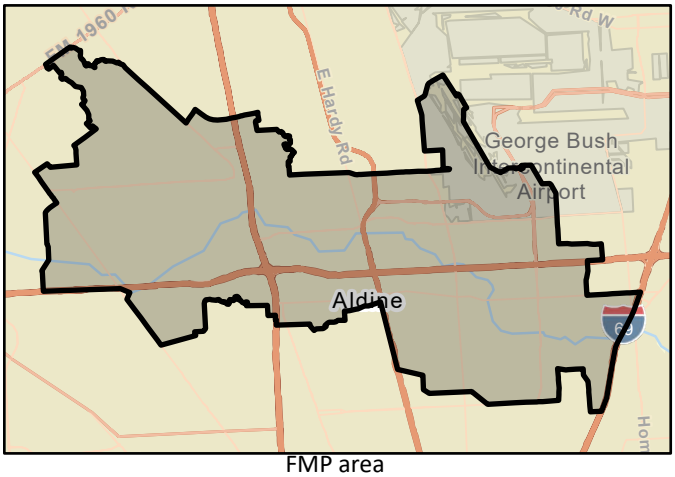
Population removed from 100-yr	21,508	# of structures removed from 100-yr	1,816
Critical facilities removed from 100-yr	21	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	25.00	Low water crossings removed from 100-yr	0
Other benefits	Hike and Bike Trails to provide dual use for	Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	120,284,000.00	% Nature-Based	0.00	BCR	2.13
Recurring costs	7,288,000.00	Issues	Right-of-Way, Permitting, Acquisitions, Utility Conflicts		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards
ID#	063000186
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Project proposed to improve conveyance within the D111-00-00 channel between Bellaire and University Boulevards. The LOS of the channel is increased from a 10-year event to a 50-year event. Mitigation volume is provided in the Meyer SW Detention Basin.

Watershed HUC# (if known)	06000084	Emergency Need?	No
		Drainage area (mi² est.)	2.08
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	1,410	# of structures	33	Critical facilities	4				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	3.14						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

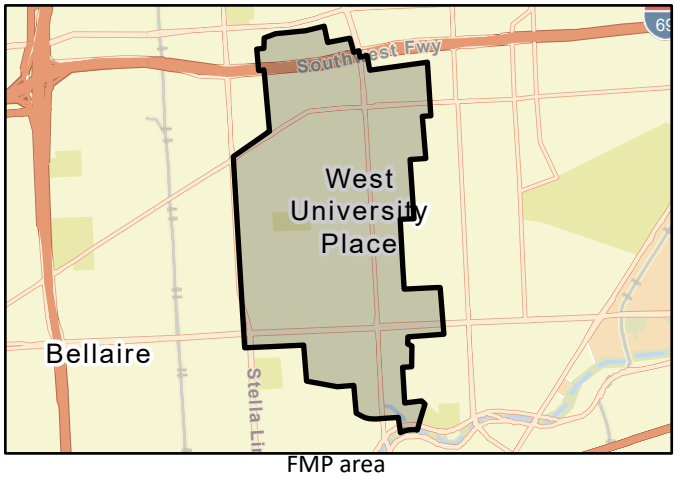
Population removed from 100-yr	54	# of structures removed from 100-yr	8
Critical facilities removed from 100-yr	2	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	3.00	Low water crossings removed from 100-yr	0
Other benefits	None	Reduction in # of road closures over 10 years	0

Impacts

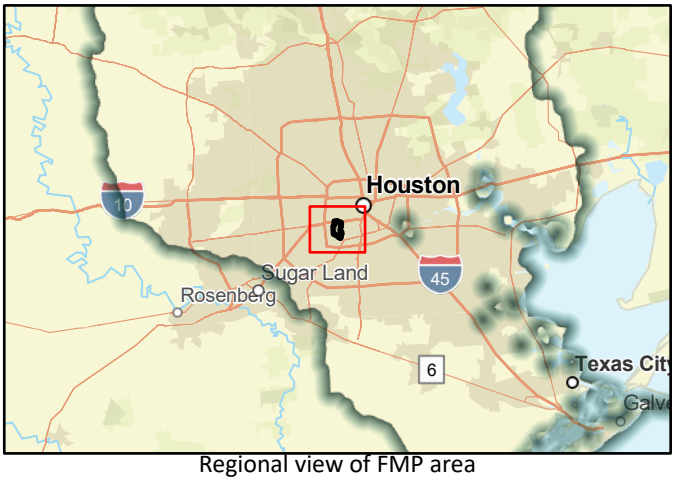
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	19,917,000.00	% Nature-Based	0.00	BCR	1.23
Recurring costs	721,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Alvin Unified Development Ordinance		
ID#	063000201	Sponsor	00003020
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

A unified land development code combines all land use controls into a single document with a logical structure that is user friendly. Cost is time, data and preparation of a unified land development code.

Watershed HUC# (if known)	06000108, 06000107, 06000109, 06000106	Emergency Need?	No
		Drainage area (mi² est.)	25.09
Associated FME's	999999	County	Brazoria,Galveston,Fort Bend
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No

Population at risk	15,192	# of structures	3,445	Critical facilities	18
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	56.81		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

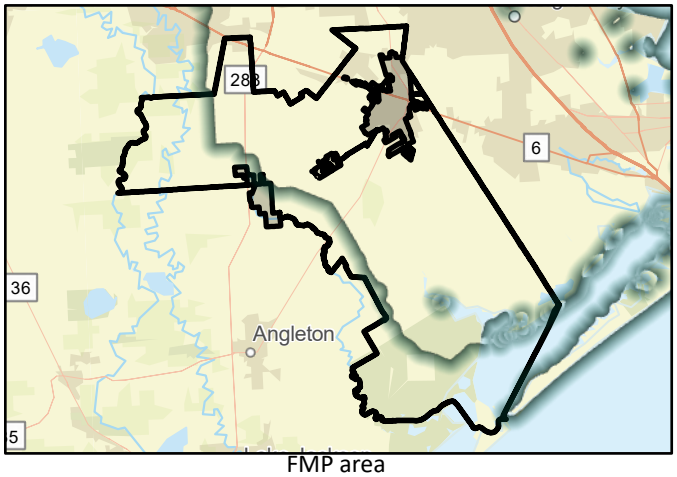
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	100,000.00	% Nature-Based	0.00	BCR	5.00
Recurring costs	6,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	37th Street Improvement Project
ID#	063000311
Sponsor	06002809
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

The project proposes storm sewer improvements coupled with implementing a stormwater pump station to addressing 100-year event flooding and improve access to major evacuation routes.

Watershed HUC# (if known)	06000107	Emergency Need?	No
		Drainage area (mi² est.)	0.35
Associated FME's	999999	County	Galveston
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	Yes	Local?	No	Playa?	No	Other? No
Population at risk	468	# of structures	196	Critical facilities	3				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	5.81						
Number of low water crossings		Historical road closures							

100-Year Flood Risk Reduction

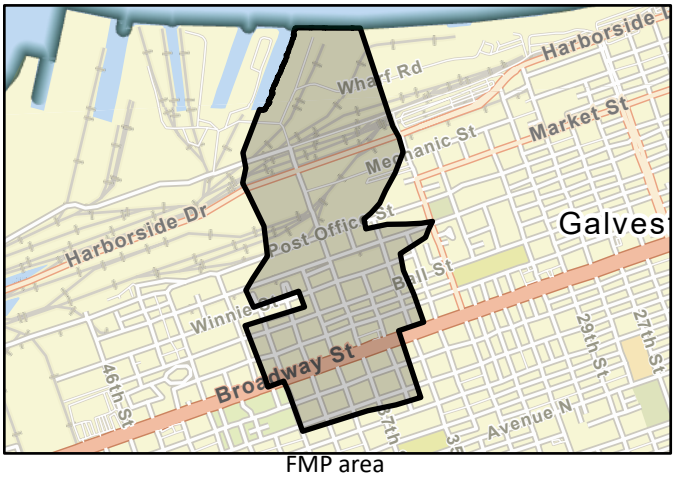
Population removed from 100-yr	468	# of structures removed from 100-yr	196
Critical facilities removed from 100-yr	3	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	5.00	Low water crossings removed from 100-yr	0
Other benefits	Improves accessibility of the Harborside evacuation	Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	75,000,000.00	% Nature-Based	0.00	BCR	0.08
Recurring costs	290,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)
ID#	063000313
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Design and Construction of Dinner Creek Stormwater Detention Basin (U520-01-00-E003). Project would expand the existing detention basin to ultimate conditions and incorporate both detention and retention.

Watershed HUC# (if known)	06000076, 06000075, 06000077, 06000080	Emergency Need?	No
		Drainage area (mi² est.)	20.44
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	1,377	# of structures	306	Critical facilities	1				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	8.14						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

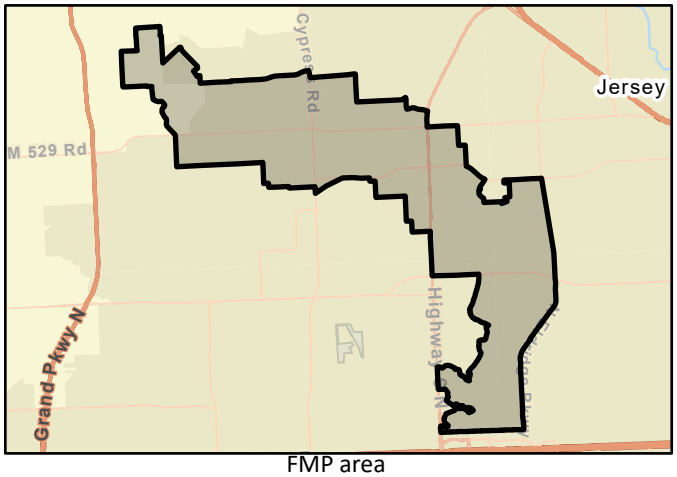
Population removed from 100-yr	0	# of structures removed from 100-yr	42
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	1.00	Low water crossings removed from 100-yr	0
Other benefits	67 acre-ft of retention volume, recreation	Reduction in # of road closures over 10 years	0

Impacts

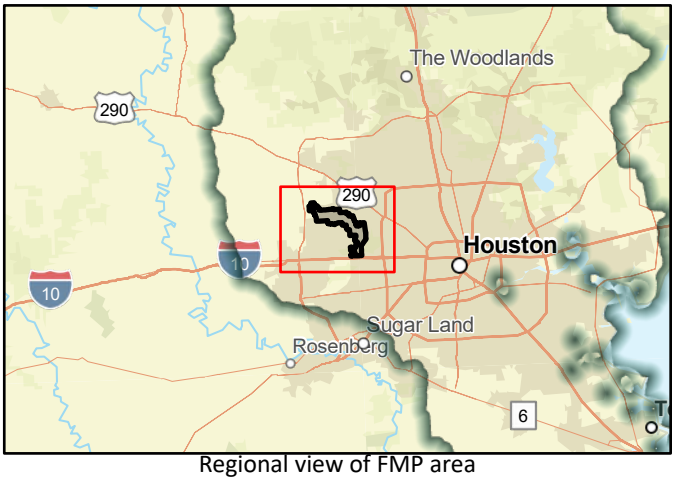
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	33,081,000.00	% Nature-Based	0.00	BCR	0.04
Recurring costs	938,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South

ID#: 063000315 Sponsor: 00000310

RFPG recommend? Yes Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Project Description

Part of the South Mayde Creek Plan that could reduce the risk of flooding for more than 70 homes and reduce the rainfall event by more than 340 acres in a pre-Atlas 1% rainfall event.

Watershed HUC# (if known): 06000074, 06000077, 06000080

Emergency Need? No

Drainage area (mi² est.): 13.20

Associated FME's: 999999

County: Harris

Associated FMS's: 999999

Associated FMP's: 999999

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

Population at risk: 3,403 # of structures: 1,015 Critical facilities: 4

Farm/Ranch land impacted (acres): 1.03 Roadway(s) impacted (length): 23.69

Number of low water crossings: 0 Historical road closures: 0

100-Year Flood Risk Reduction

Population removed from 100-yr: 1,225

# of structures removed from 100-yr: 264

Critical facilities removed from 100-yr: 2

Farm/Ranch land removed from 100-yr (acres): 1

Road removed from 100-yr (miles): 0.00

Low water crossings removed from 100-yr: 0

Other benefits:

Reduction in # of road closures over 10 years: 0

Impacts

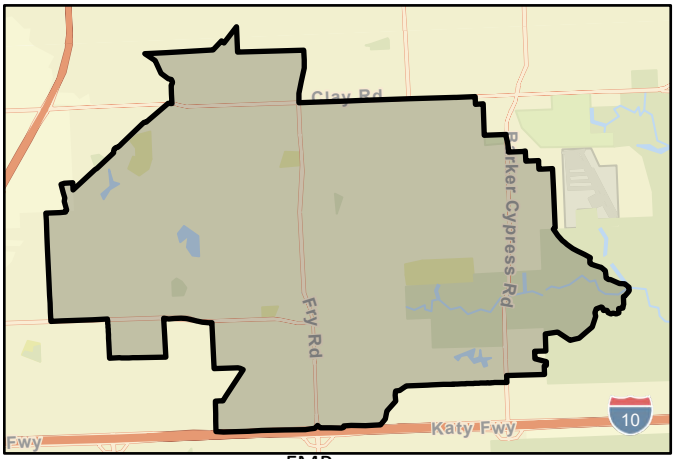
Negative impacts? No Negative impacts description:

Water supply contributions? No Water supply contribution description:

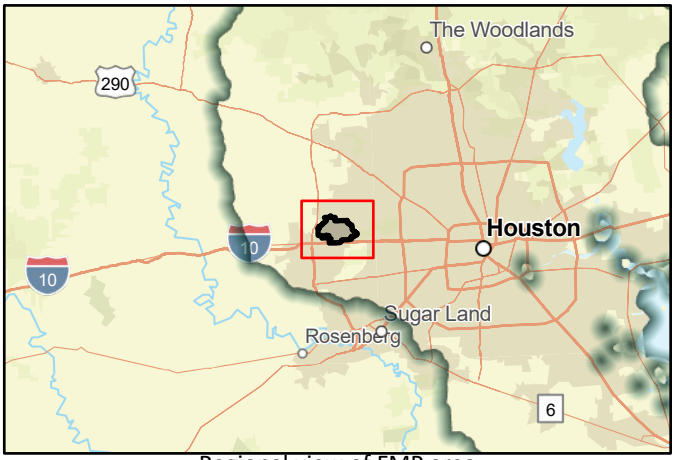
Estimated Cost

Project Cost: 27,818,000.00 % Nature-Based: 0.00 BCR: 0.73

Recurring costs: 1,686,000.00 Issues: Permitting



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)
ID#	063000319
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

This project provides for design and construction of three offline detention basins in B509-03-00 and B509-04-00.

Watershed HUC# (if known)	06000106, 06000095, 06000098	Emergency Need?	No
		Drainage area (mi² est.)	58.91
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No

Population at risk	3,757	# of structures	1,387	Critical facilities	6
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	31.46		
Number of low water crossings	2	Historical road closures	2		

100-Year Flood Risk Reduction

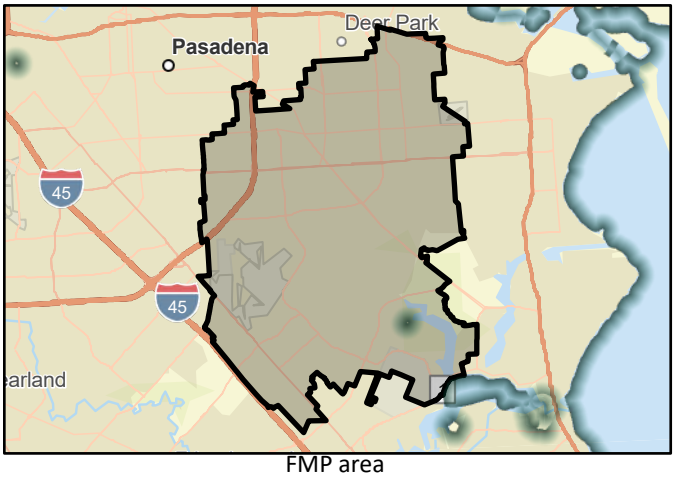
Population removed from 100-yr	114	# of structures removed from 100-yr	15
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	1.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	34,850,000.00	% Nature-Based	0.00	BCR	0.01
Recurring costs	2,112,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Warren Lake and Dam Retrofit
ID#	063000320
Sponsor	00004002
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Retrofit dam to improve detention of flood & storm water runoff, new 137.3 ac wetlands complex added of storage capacity & conversion of fields to tallgrass prairies to add approximately 856 ac-ft of total storage during rainfall events.

Watershed HUC# (if known)	06000028, 06000026, 06000030	Emergency Need?	No
		Drainage area (mi² est.)	20.50
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No

Population at risk	94	# of structures	47	Critical facilities	0
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	0.00		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

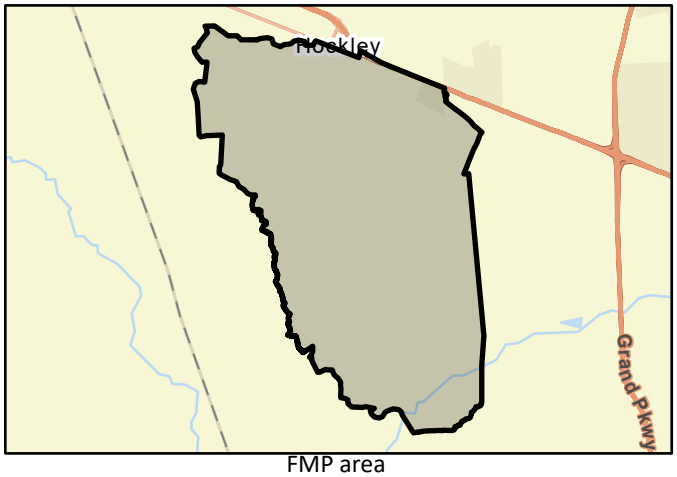
Population removed from 100-yr	94	# of structures removed from 100-yr	47
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits	Restoring dam provides marsh vegetation	Reduction in # of road closures over 10 years	0

Impacts

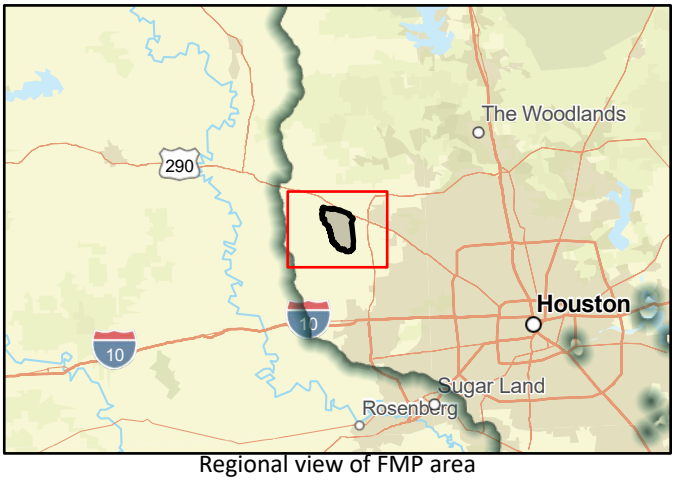
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	6,439,000.00	% Nature-Based	100.00	BCR	4.45
Recurring costs	326,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements
ID#	063000321
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

The proposed project includes the expansion and extension of existing detention basins to alleviate historical and potential future riverine flooding within the Armand Bayou Watershed.

Watershed HUC# (if known)	06000095, 06000098, 06000106	Emergency Need?	No
		Drainage area (mi² est.)	5.33
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No

Population at risk	18,858	# of structures	6,363	Critical facilities	28
Farm/Ranch land impacted (acres)	0.34	Roadway(s) impacted (length)	149.69		
Number of low water crossings	4	Historical road closures	4		

100-Year Flood Risk Reduction

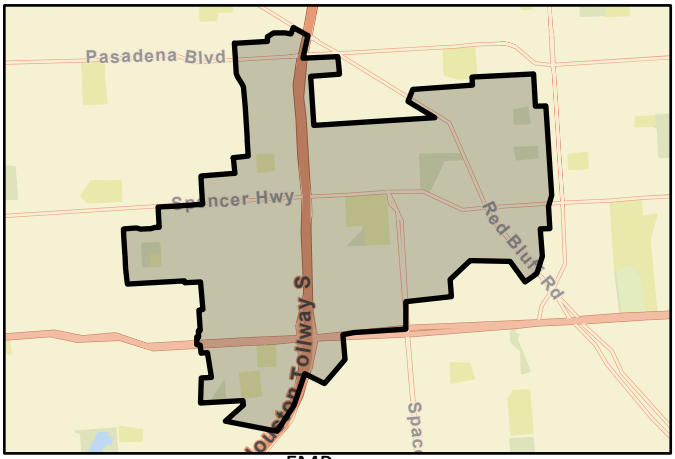
Population removed from 100-yr	1,110	# of structures removed from 100-yr	230
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	1.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

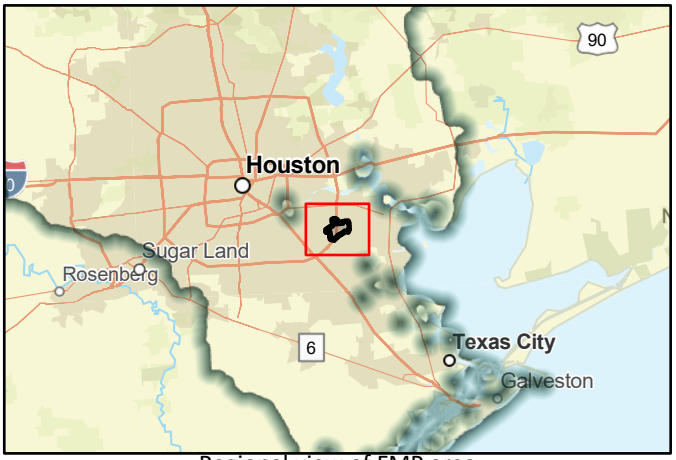
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	9,450,000.00	% Nature-Based	0.00	BCR	0.81
Recurring costs	576,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Blalock Road Drainage Improvement Project
ID#	063000327
Sponsor	06002495
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

The proposed drainage improvements project will replace an undersized drainage system on Blalock Road, tie into drainage improvements on South Piney Point Road, and provide improvements on a drainage area that frequently experiences drainage issues.

Watershed HUC# (if known)	06000080	Emergency Need?	No
		Drainage area (mi² est.)	0.88
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No

Population at risk	1,519	# of structures	364	Critical facilities	0
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	6.02		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

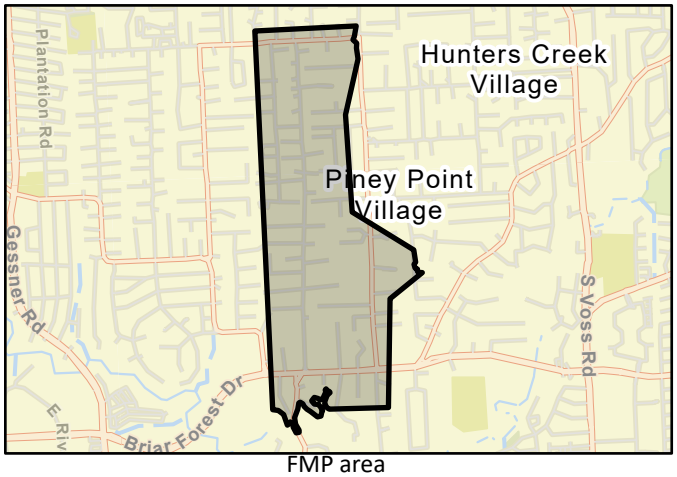
Population removed from 100-yr	498	# of structures removed from 100-yr	54
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	1.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

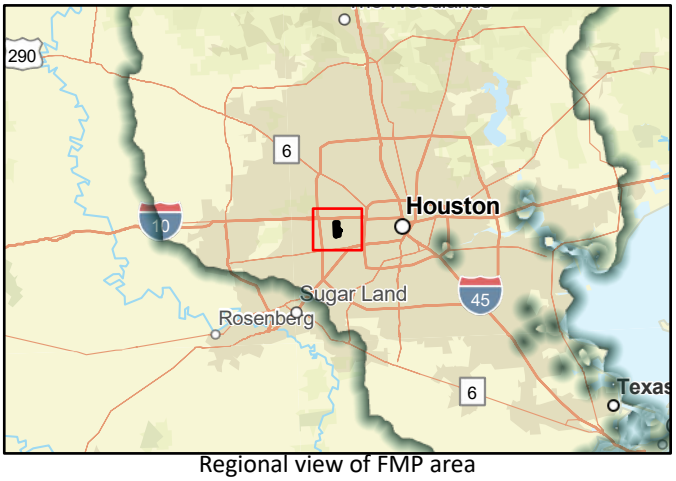
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	19,324,000.00	% Nature-Based	0.00	BCR	0.00
Recurring costs	1,171,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction
ID#	063000328
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

The proposed project includes widening sections of the Keegans Bayou main channel and a 1,600 acre-feet detention basin.

Watershed HUC# (if known)	06000083, 06000085	Emergency Need?	No
		Drainage area (mi² est.)	22.88
Associated FME's	999999	County	Fort Bend,Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other? No

Population at risk	20,045	# of structures	3,717	Critical facilities	57
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	94.91		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

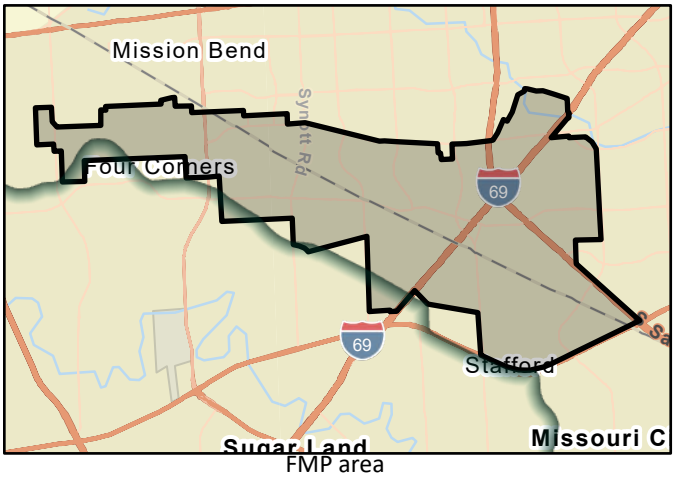
Population removed from 100-yr	16,486	# of structures removed from 100-yr	2,009
Critical facilities removed from 100-yr	29	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	150.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	190,218,000.00	% Nature-Based	0.00	BCR	0.94
Recurring costs	11,585,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Goose Creek Flood Risk Reduction
ID#	063000334
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

The project includes three phases of development. Phase 1 includes a regional detention basin and channel improvements along two segments of Goose Creek for a total length of 1.65 miles. Phase 2 includes a regional detention basin and channel improvements

Watershed HUC# (if known)	06000097, 06000098, 06000103, 06000102, 06000104	Emergency Need?	No
		Drainage area (mi² est.)	26.93
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk	5,318	# of structures	980	Critical facilities	34				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	17.27						
Number of low water crossings	1	Historical road closures	1						

100-Year Flood Risk Reduction

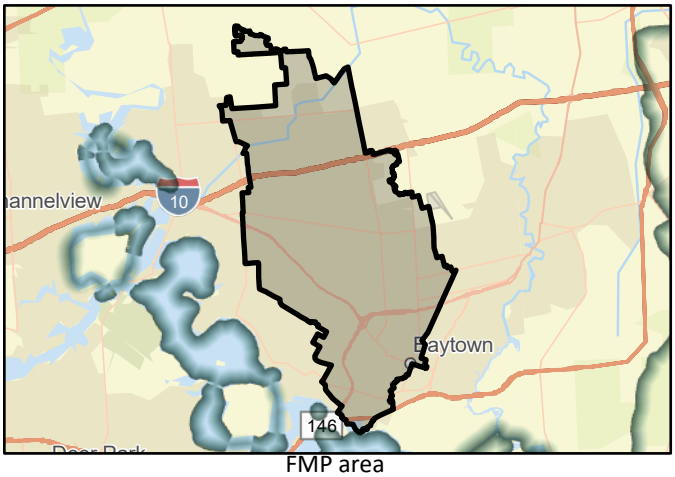
Population removed from 100-yr	1,283	# of structures removed from 100-yr	269
Critical facilities removed from 100-yr	9	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	28.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

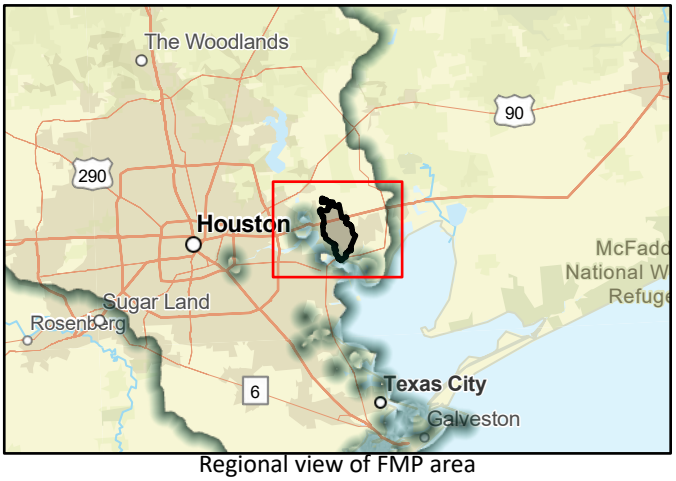
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	46,494,000.00	% Nature-Based	0.00	BCR	0.48
Recurring costs	2,832,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Willow Creek Watershed Plan - M120 Detention/Preservation Site
ID#	063000339
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

The project includes a 1,640 acre-feet regional detention basin, 85 acres of floodplain preservation, & habitat preservation in Willow Creek.

Watershed HUC# (if known)	06000031, 06000030, 06000037, 06000042, 06000041, 06000044
Emergency Need?	No
Drainage area (mi² est.)	55.37
Associated FME's	999999
County	Harris
Associated FMS's	999999
Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No

Population at risk	2,230	# of structures	916	Critical facilities	5
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	26.99		
Number of low water crossings	5	Historical road closures	5		

100-Year Flood Risk Reduction

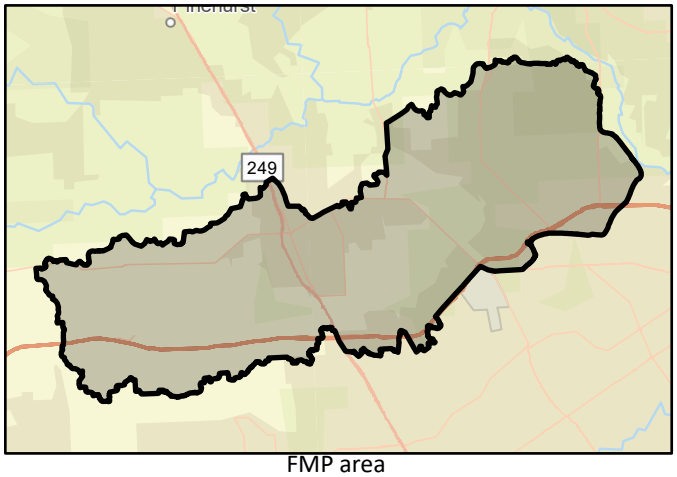
Population removed from 100-yr	548	# of structures removed from 100-yr	127
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	2.00	Low water crossings removed from 100-yr	0
Other benefits	Environmental	Reduction in # of road closures over 10 years	0

Impacts

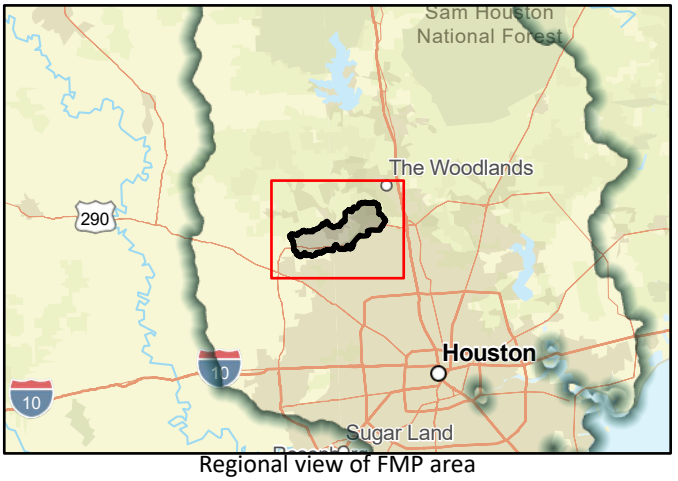
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	64,900,000.00	% Nature-Based	0.00	BCR	0.68
Recurring costs	3,953,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin
ID#	063000344
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

This project includes a stormwater detention basin that compliments the federal project on White Oak Bayou.

Watershed HUC# (if known)	06000029, 06000031, 06000095, 06000087, 06000082, 06000079, 06000081, 06000078, 06000093
Emergency Need?	No
Drainage area (mi² est.)	78.39
Associated FME's	999999
County	Harris
Associated FMS's	999999
Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No

Population at risk	29,631	# of structures	5,661	Critical facilities	30
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	121.23		
Number of low water crossings	2	Historical road closures	2		

100-Year Flood Risk Reduction

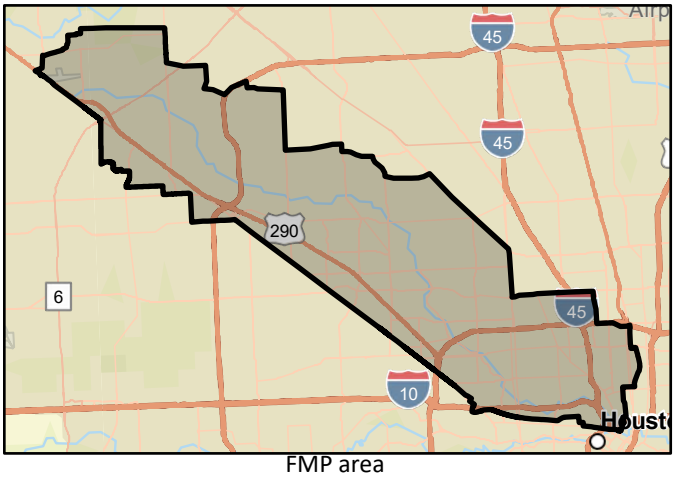
Population removed from 100-yr	3,011	# of structures removed from 100-yr	702
Critical facilities removed from 100-yr	2	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	19.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	42,600,000.00	% Nature-Based	0.00	BCR	1.89
Recurring costs	2,595,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)
ID#	063000357
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Program implementation plan for the design and construction of 22 regional detention basins (12,800 ac-ft) in the Cypress Creek watershed K100-00-00) based on the Cypress Creek Watershed and Major Tributaries Regional Drainage Plan Update(February 2020).

Watershed HUC# (if known)	06000029, 06000031, 06000030, 06000032, 06000042, 06000045, 06000087, 06000075, 06000078, 06000088	Emergency Need?	No
		Drainage area (mi² est.)	118.36
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other? No

Population at risk	49,086	# of structures	16,233	Critical facilities	158
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	264.03		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

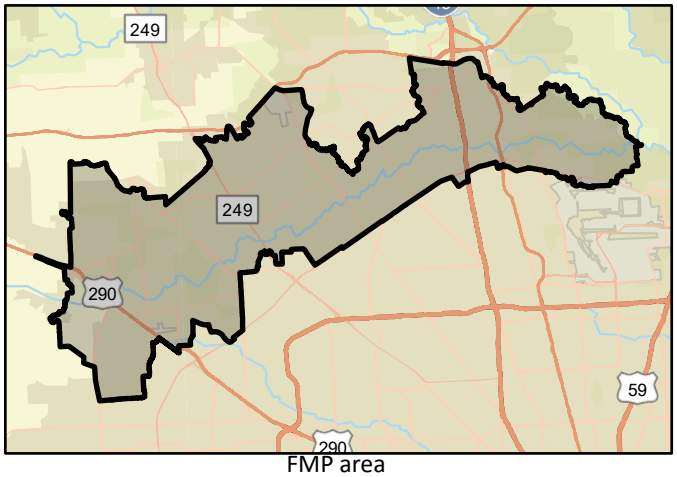
Population removed from 100-yr	9,880	# of structures removed from 100-yr	2,814
Critical facilities removed from 100-yr	18	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	27.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	550,000,000.00	% Nature-Based	0.00	BCR	0.28
Recurring costs	91,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Kingwood Diversion Ditch (G103-38-00)
ID#	063000360
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Improvements to the Kingwood Diversion Ditch include channel modifications, flow diversion from Bens Branch, bridge replacements, as well as a new outfall to the West Fork San Jacinto River.

Watershed HUC# (if known)	06000024, 06000023, 06000055, 06000070
Emergency Need?	No
Drainage area (mi² est.)	21.69
Associated FME's	999999
County	Harris,Montgomery
Associated FMS's	999999
Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No

Population at risk	3,414	# of structures	79	Critical facilities	18
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	1.92		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

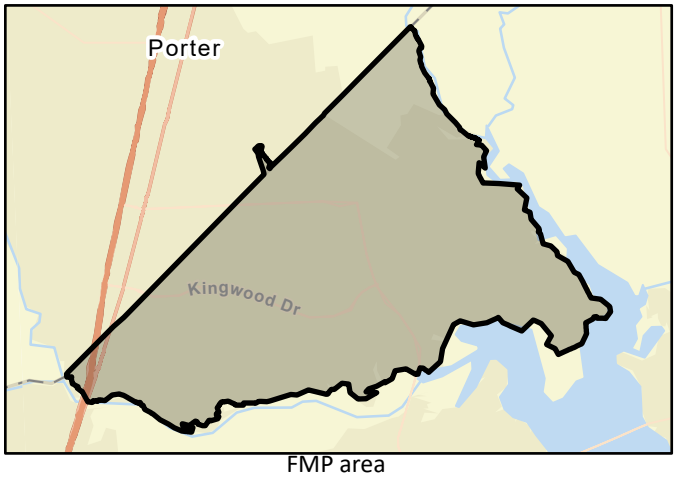
Population removed from 100-yr	3,244	# of structures removed from 100-yr	49
Critical facilities removed from 100-yr	10	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	25.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

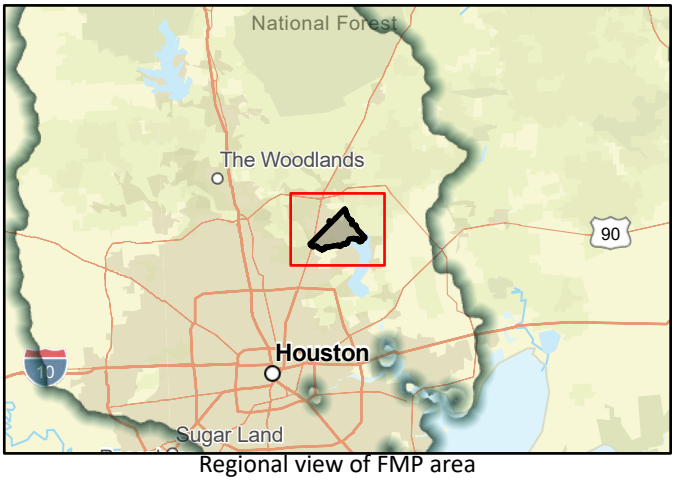
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	62,938,000.00	% Nature-Based	0.00	BCR	0.03
Recurring costs	3,833,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)		
ID#	063000389	Sponsor	00000310
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

The proposed project includes channel improvements, upsizing of culverts, siltation removal, local drainage improvements, and a stormwater detention basin within White Oak Bayou Tributary E116-00-00.

Watershed HUC# (if known)	06000079, 06000081	Emergency Need?	No
		Drainage area (mi² est.)	6.90
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No

Population at risk	36,556	# of structures	14,652	Critical facilities	155
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	140.05		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

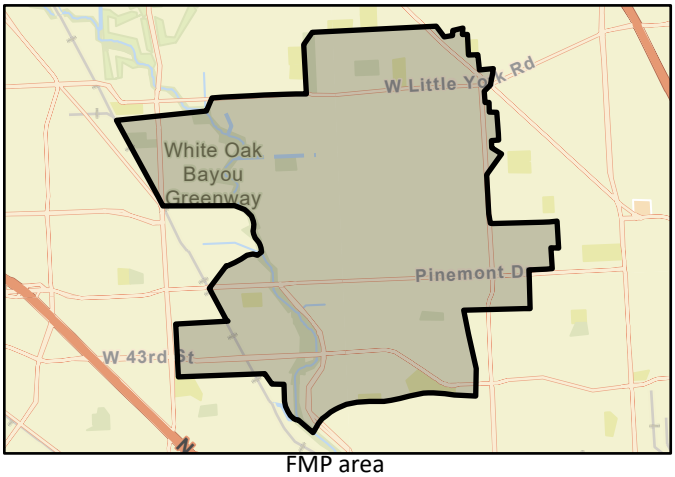
Population removed from 100-yr	0	# of structures removed from 100-yr	24
Critical facilities removed from 100-yr	1	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	8,375,000.00	% Nature-Based	0.00	BCR	1.47
Recurring costs	511,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)

ID#: 063000396 Sponsor: 00000310

RFPG recommend? Yes Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Project Description

This project provides for design and construction for the second phase of the Aldine Westfield North Detendion Basin in the Halls Bayou watershed.

Watershed HUC# (if known): 06000090

Emergency Need? No

Drainage area (mi² est.): 1.16

Associated FME's: 999999

County: Harris

Associated FMS's: 999999

Associated FMP's: 999999

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

Population at risk: 740 # of structures: 3,412 Critical facilities: 3

Farm/Ranch land impacted (acres): 0.00 Roadway(s) impacted (length): 21.51

Number of low water crossings: 1 Historical road closures: 1

100-Year Flood Risk Reduction

Population removed from 100-yr	423	# of structures removed from 100-yr	129
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

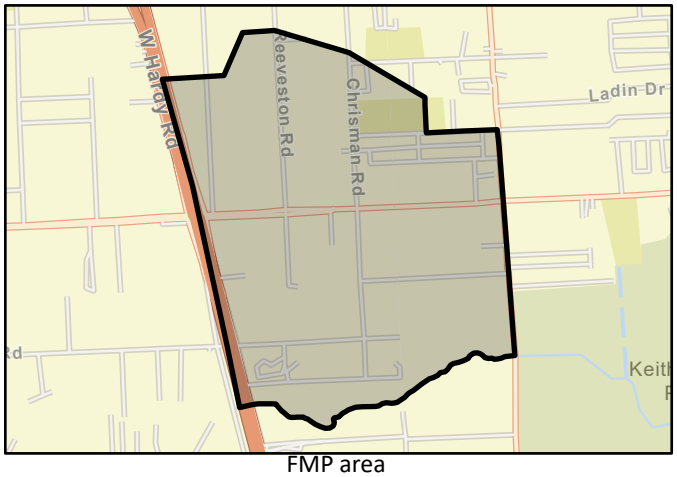
Negative impacts? No Negative impacts description:

Water supply contributions? No Water supply contribution description:

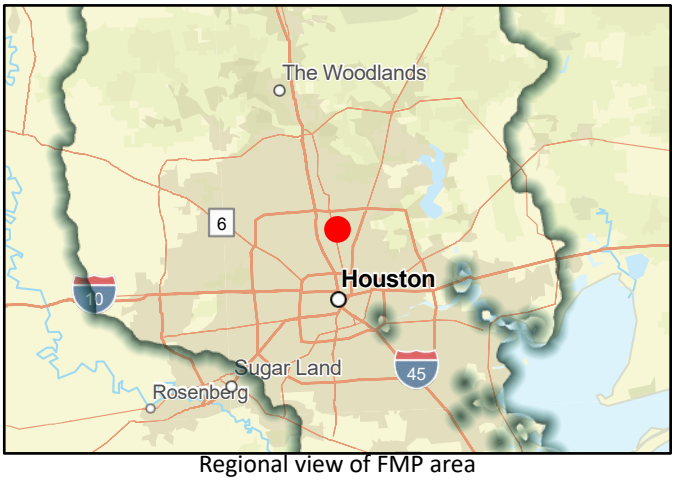
Estimated Cost

Project Cost: 10,371,000.00 % Nature-Based: 0.00 BCR: 0.24

Recurring costs: 415,000.00 Issues: Permitting



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02
ID#	063000397
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

This project provides for the design and construction of flood mitigation improvements including detention basins along P118-23-00 and concrete lining P118-23-02. (2018 Bond Project C-26 & C-27)

Watershed HUC# (if known)	06000091, 06000087, 06000079, 06000090, 06000092, 06000081, 06000089, 06000093	Emergency Need?	No
		Drainage area (mi² est.)	1.57
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk	1,108	# of structures	289	Critical facilities	0				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	2.22						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

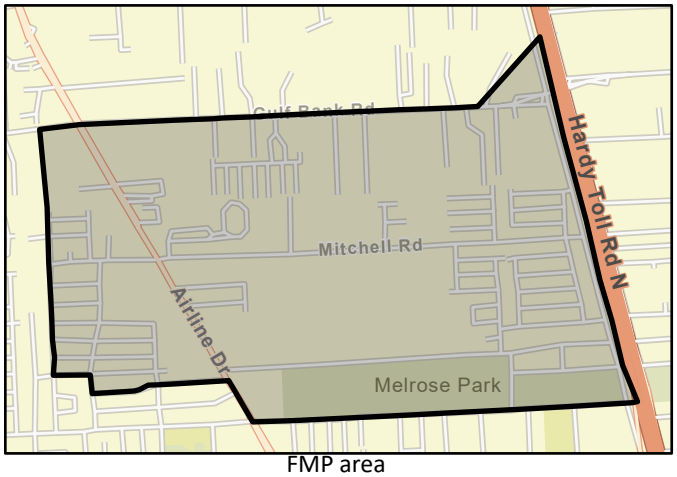
Population removed from 100-yr	1,109	# of structures removed from 100-yr	286
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	23.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	31,317,000.00	% Nature-Based	0.00	BCR	0.48
Recurring costs	1,898,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01
ID#	063000399
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

This project provides analysis and preliminary design (Alternative 3b) for detention basin, widening of existing channels, and extension of channel P118-25-01 (Halls Bayou Tributary).

Watershed HUC# (if known)	06000091, 06000087, 06000079, 06000090, 06000092, 06000081, 06000089, 06000093	Emergency Need?	No
		Drainage area (mi² est.)	6.01
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No

Population at risk	10,940	# of structures	13,531	Critical facilities	92
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	136.69		
Number of low water crossings	7	Historical road closures	7		

100-Year Flood Risk Reduction

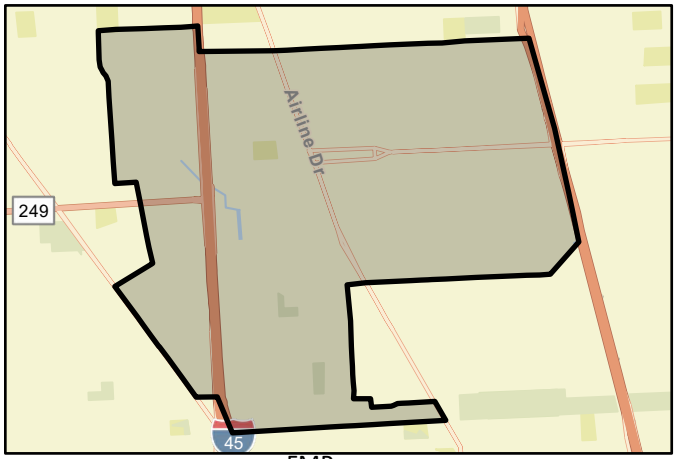
Population removed from 100-yr	3,088	# of structures removed from 100-yr	952
Critical facilities removed from 100-yr	3	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	5.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

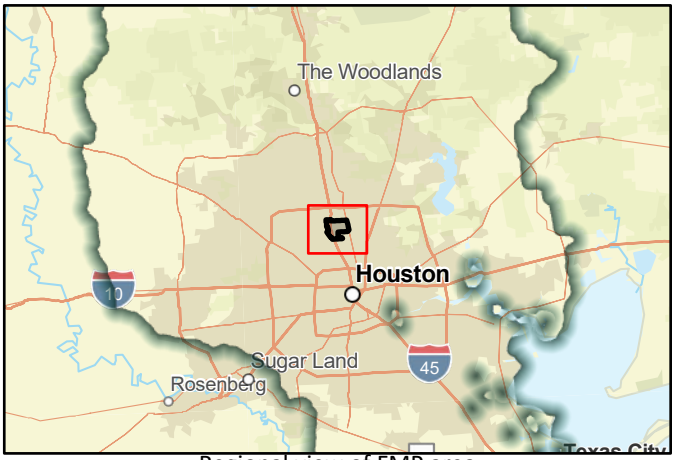
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	14,939,000.00	% Nature-Based	0.00	BCR	0.96
Recurring costs	906,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00
ID#	063000400
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

This project provides analysis and description of the existing flooding conditions within the P118-27-00 catchment area and consequently develops flood risk mitigation alternatives, including detention basis and channel improvements.

Watershed HUC# (if known)	06000091, 06000087, 06000079, 06000090, 06000092, 06000081, 06000089, 06000093	Emergency Need?	No
		Drainage area (mi² est.)	7.77
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No

Population at risk	1,083	# of structures	326	Critical facilities	5
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	3.48		
Number of low water crossings	5	Historical road closures	5		

100-Year Flood Risk Reduction

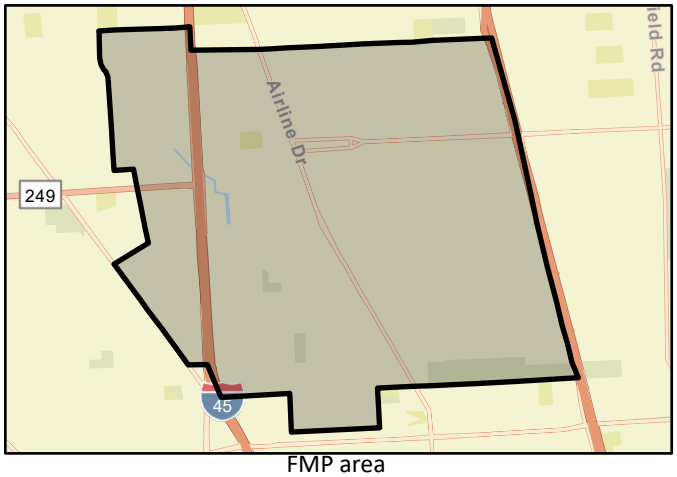
Population removed from 100-yr	1,811	# of structures removed from 100-yr	325
Critical facilities removed from 100-yr	5	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	26.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	23,680,000.00	% Nature-Based	0.00	BCR	2.18
Recurring costs	1,421,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)
ID#	063000402
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

The proposed project includes the design and construction of approximately two miles of channel improvements along N100-00-00, channel improvements to a short segment of N109-00-00, and a detention basin to mitigate downstream impacts.

Watershed HUC# (if known)	06000025, 06000091, 06000095, 06000097, 06000094, 06000090, 06000092. 06000088, 06000093,	Emergency Need?	No
		Drainage area (mi² est.)	66.38
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk	8,805	# of structures	2,569	Critical facilities	34				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	66.55						
Number of low water crossings	2	Historical road closures	2						

100-Year Flood Risk Reduction

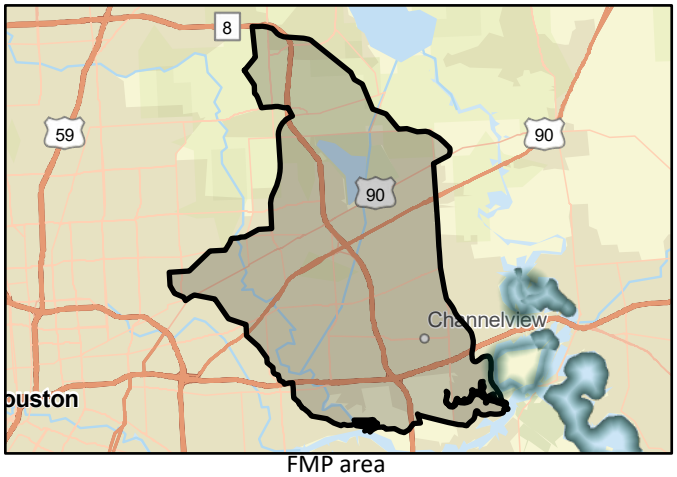
Population removed from 100-yr	3,664	# of structures removed from 100-yr	379
Critical facilities removed from 100-yr	8	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	14.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

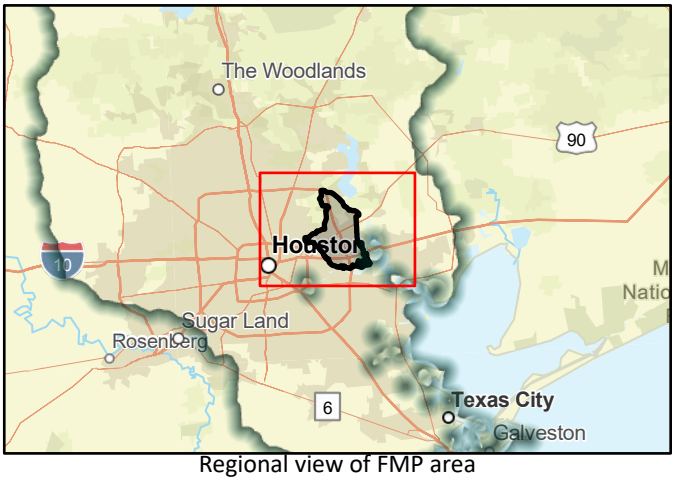
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	30,360,000.00	% Nature-Based	0.00	BCR	0.46
Recurring costs	1,849,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Houston Fifth Area Flood Mitigation
ID#	063000417
Sponsor	00002853
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

This unfunded CDBG-MIT application involves installing various storm sewer infrastructure in the Fifth Ward and Market Square areas within the City of Houston.

Watershed HUC# (if known)	06000093	Emergency Need?	No
		Drainage area (mi² est.)	40.59
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No

Population at risk	6,289	# of structures	2,162	Critical facilities	19
Farm/Ranch land impacted (acres)	0.01	Roadway(s) impacted (length)	35.54		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

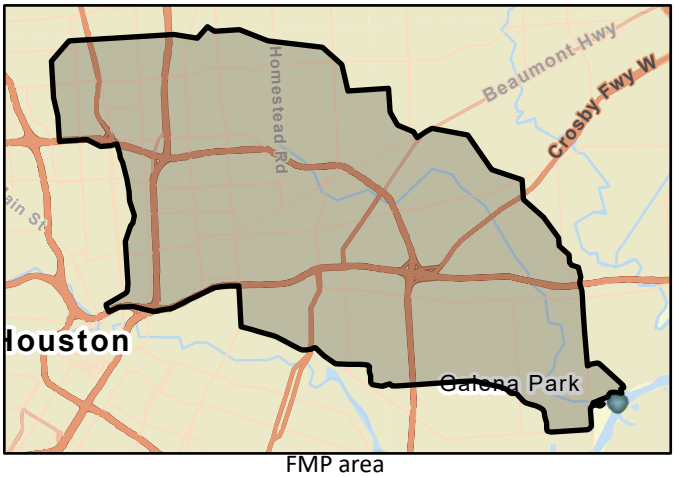
Population removed from 100-yr	4,125	# of structures removed from 100-yr	1,306
Critical facilities removed from 100-yr	16	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	16.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

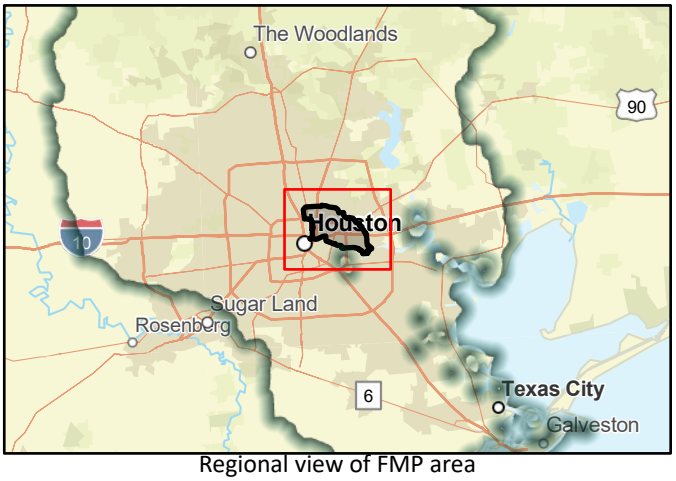
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	89,754,000.00	% Nature-Based	0.00	BCR	1.87
Recurring costs	5,438,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Houston Port Area Flood Mitigation
ID#	063000418
Sponsor	00002853
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

The project includes storm sewer improvements on nearly every street in the Pleasantville neighborhood to improve conveyance capacity and construction of a detention basin.

Watershed HUC# (if known)	06000093
Emergency Need?	No
Drainage area (mi² est.)	40.59
Associated FME's	999999
County	Harris
Associated FMS's	999999
Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other?	No

Population at risk	2,550	# of structures	765	Critical facilities	20
Farm/Ranch land impacted (acres)	0.25	Roadway(s) impacted (length)	13.57		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

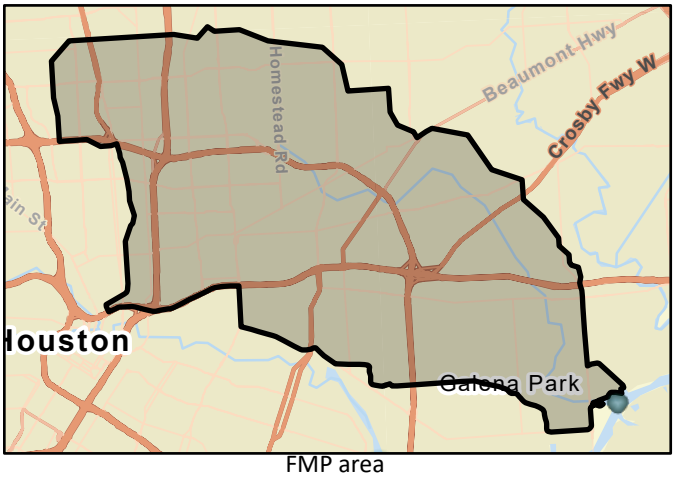
Population removed from 100-yr	1,912	# of structures removed from 100-yr	538
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	2.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

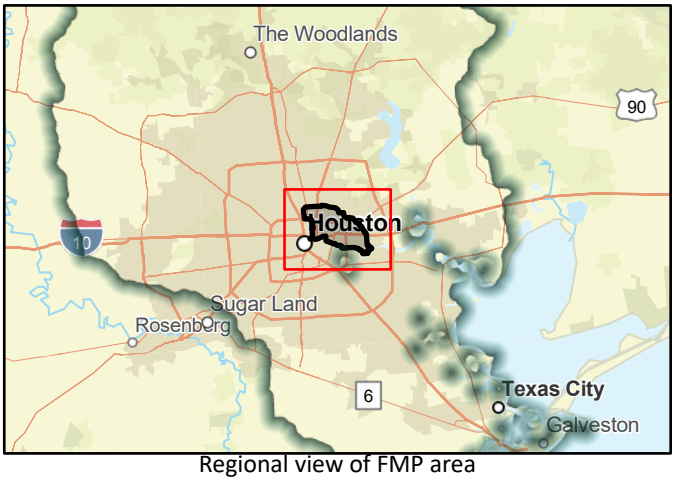
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	99,022,000.00	% Nature-Based	0.00	BCR	0.30
Recurring costs	6,000,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Danubina Drainage Improvements		
ID#	063000422	Sponsor	00003343
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

This CDBG-MIT application involves the installation and construction of improvements along Hull Gully, detention, and storm sewer improvements along Hunnicutt Street.

Watershed HUC# (if known)	06000097, 06000098, 06000103, 06000104, 06000105	Emergency Need?	No
		Drainage area (mi² est.)	47.53
Associated FME's	999999	County	Chambers,Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk	428	# of structures	137	Critical facilities	0				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	4.92						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

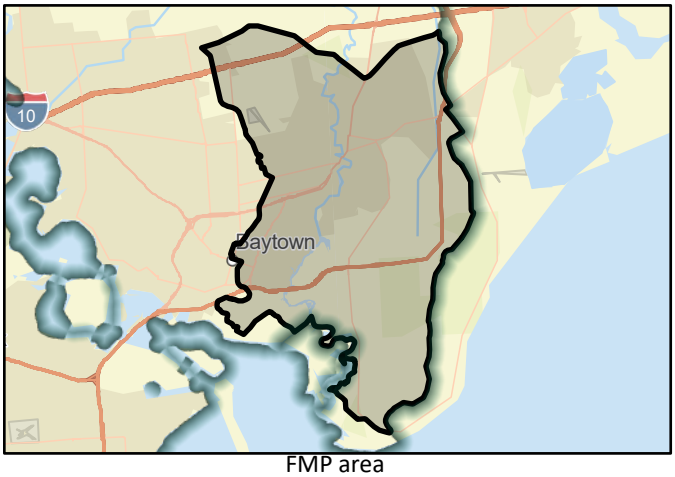
Population removed from 100-yr	304	# of structures removed from 100-yr	111
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	10.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

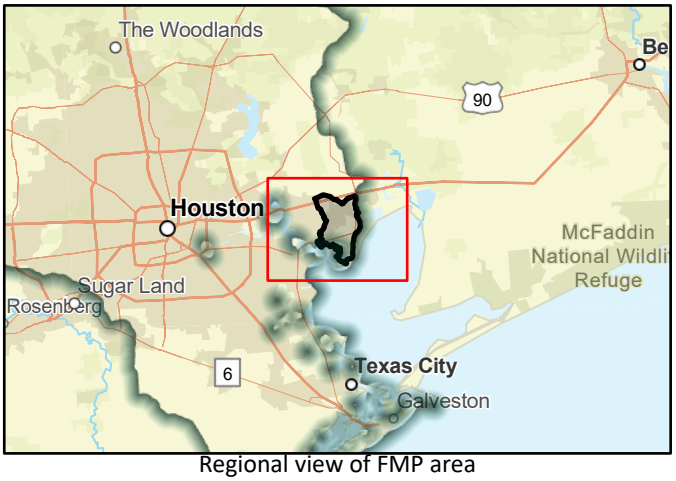
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	18,468,000.00	% Nature-Based	0.00	BCR	0.96
Recurring costs	1,125,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I
ID#	063000424
Sponsor	06002833
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

This project, which includes terraces, detention, and a trail network, will reduce water surface elevations on Clear Creek within the City of Friendswood and will make the Blackhawk Wastewater Treatment Facility more resilient.

Watershed HUC# (if known)	06000107, 06000106	Emergency Need?	No
		Drainage area (mi² est.)	20.83
Associated FME's	999999	County	Galveston,Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk	16,927	# of structures	4,952	Critical facilities	189				
Farm/Ranch land impacted (acres)	2.85	Roadway(s) impacted (length)	574.71						
Number of low water crossings	11	Historical road closures	11						

100-Year Flood Risk Reduction

Population removed from 100-yr	0	# of structures removed from 100-yr	172
Critical facilities removed from 100-yr	2	Farm/Ranch land removed from 100-yr (acres)	3
Road removed from 100-yr (miles)	7.00	Low water crossings removed from 100-yr	0
Other benefits	None	Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	65,800,000.00	% Nature-Based	0.00	BCR	0.21
Recurring costs	10,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Houston Kashmere Gardens Area Flood Mitigation
ID#	063000434
Sponsor	00002853
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

The project includes improvements to storm sewer, roadside ditch systems, culverts, sewer inlets, and the construction of detention basins.

Watershed HUC# (if known)	06000095, 06000090, 06000092, 06000081, 06000093
Emergency Need?	No
Drainage area (mi² est.)	30.87
Associated FME's	999999
County	Harris
Associated FMS's	999999
Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No

Population at risk	2,985	# of structures	1,221	Critical facilities	5
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	20.60		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

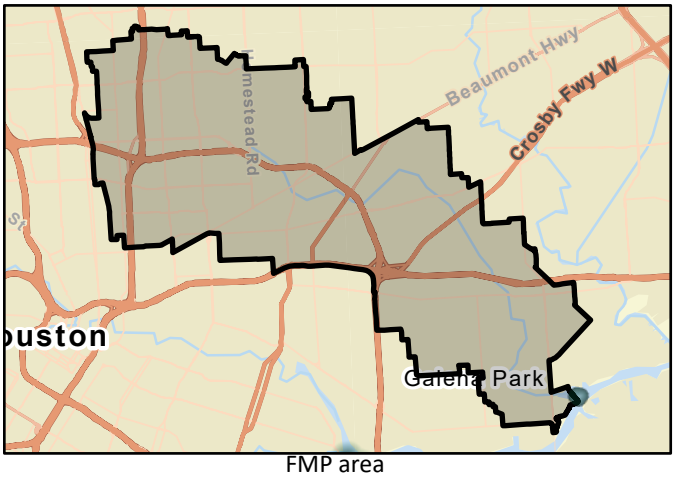
Population removed from 100-yr	1,494	# of structures removed from 100-yr	457
Critical facilities removed from 100-yr	1	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	94,880,000.00	% Nature-Based	0.00	BCR	1.09
Recurring costs	5,749,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Rivershire West - Grand Lake Creek Watershed		
ID#	063000453	Sponsor	06003030
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

This project is located in a residential neighborhood and consists of benching, floodwalls, and upsizing culverts to route and contain flow. Additionally, there are proposed bridge modifications to reduce impediments to water flow

Watershed HUC# (if known)	06000011, 06000020	Emergency Need?	No
		Drainage area (mi² est.)	1.65
Associated FME's	999999	County	Montgomery
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No

Population at risk	1,890	# of structures	690	Critical facilities	10
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	10.61		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

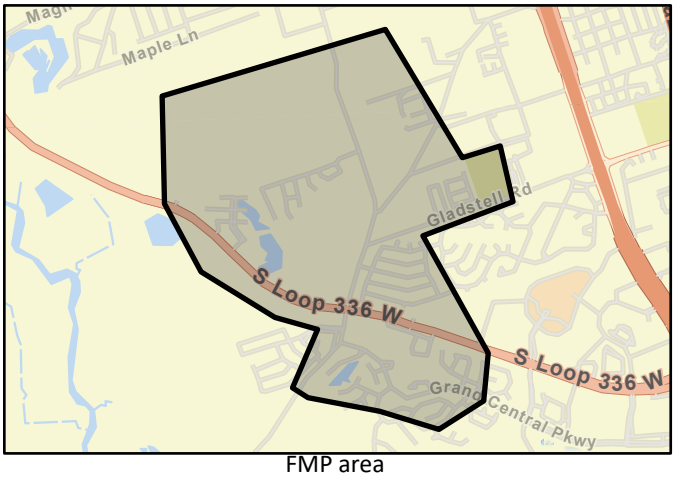
Population removed from 100-yr	566	# of structures removed from 100-yr	100
Critical facilities removed from 100-yr	1	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	2.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

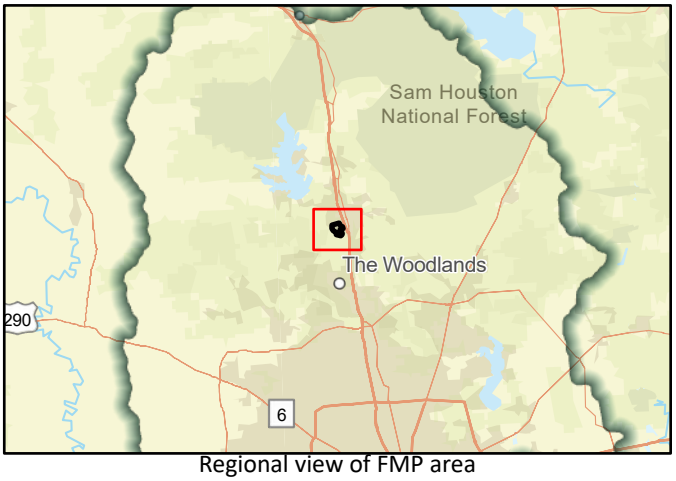
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	30,000,000.00	% Nature-Based	0.00	BCR	0.11
Recurring costs	1,601,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Houston Sunnyside Area Flood Mitigation
ID#	063000468
Sponsor	00002853
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Includes new storm sewer trunk systems on major thoroughfares & new or improved neighborhood storm sewer systems. Will also require construction of detention basins to mitigate the proposed improvements.

Watershed HUC# (if known)	06000084, 06000086, 06000085, 06000106
Emergency Need?	No
Drainage area (mi² est.)	23.57
Associated FME's	999999
County	Harris
Associated FMS's	999999
Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk	22,844	# of structures	7,876	Critical facilities	97				
Farm/Ranch land impacted (acres)	0.04	Roadway(s) impacted (length)	104.72						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

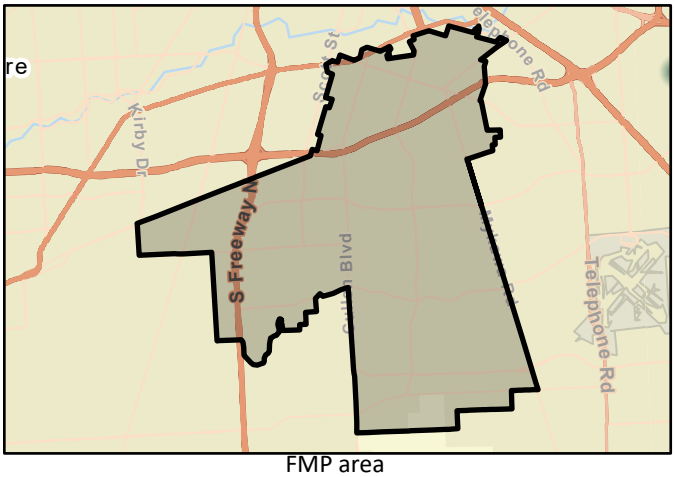
Population removed from 100-yr	4,760	# of structures removed from 100-yr	1,410
Critical facilities removed from 100-yr	20	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	9.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	111,282,000.00	% Nature-Based	0.00	BCR	1.20
Recurring costs	552,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)

ID#: 063000469 Sponsor: 00000310

RFPG recommend? Yes Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Project Description

Project consists of ROW acquisition and construction of a detention basin near Veterans Memorial which provides approximately 460 acre-feet of storage.

Watershed HUC# (if known): 06000090

Emergency Need? No

Drainage area (mi² est.): 5.49

Associated FME's: 999999

County: Harris

Associated FMS's: 999999

Associated FMP's: 999999

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Population at risk: 6,243 # of structures: 13,748 Critical facilities: 91

Farm/Ranch land impacted (acres): 0.00 Roadway(s) impacted (length): 127.03

Number of low water crossings: 7 Historical road closures: 7

100-Year Flood Risk Reduction

Population removed from 100-yr: 1,037

# of structures removed from 100-yr: 292

Critical facilities removed from 100-yr: 1

Farm/Ranch land removed from 100-yr (acres): 0

Road removed from 100-yr (miles): 6.00

Low water crossings removed from 100-yr: 0

Other benefits:

Reduction in # of road closures over 10 years: 0

Impacts

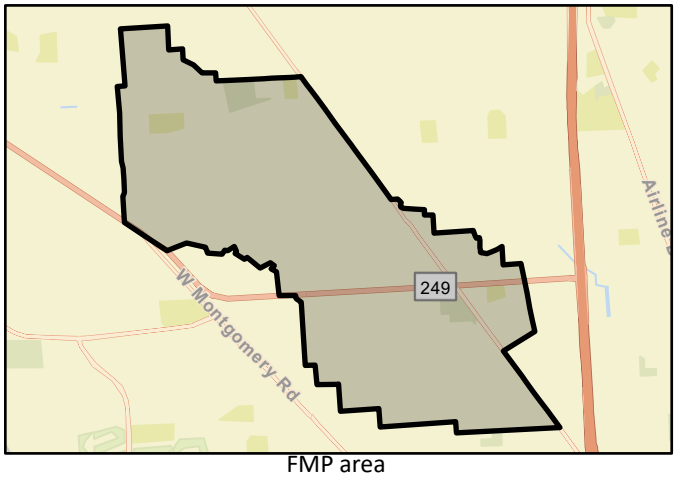
Negative impacts? No Negative impacts description:

Water supply contributions? No Water supply contribution description:

Estimated Cost

Project Cost: 35,250,000.00 % Nature-Based: 0.00 BCR: 0.49

Recurring costs: 1,784,000.00 Issues: Permitting



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Halls Bayou Drainage Project Bond C-01		
ID#	063000470	Sponsor	00000310
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Provides for design and construction of drainage improvements to P118-26-00 including approximately 119 acre-feet of total storage between two basins and the replacement of a channel with RCBs.

Watershed HUC# (if known)	06000091, 06000087, 06000079, 06000090, 06000092, 06000081, 06000089, 06000093	Emergency Need?	No
		Drainage area (mi² est.)	1.18
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	1,593	# of structures	677	Critical facilities	0				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	2.63						
Number of low water crossings	3	Historical road closures	3						

100-Year Flood Risk Reduction

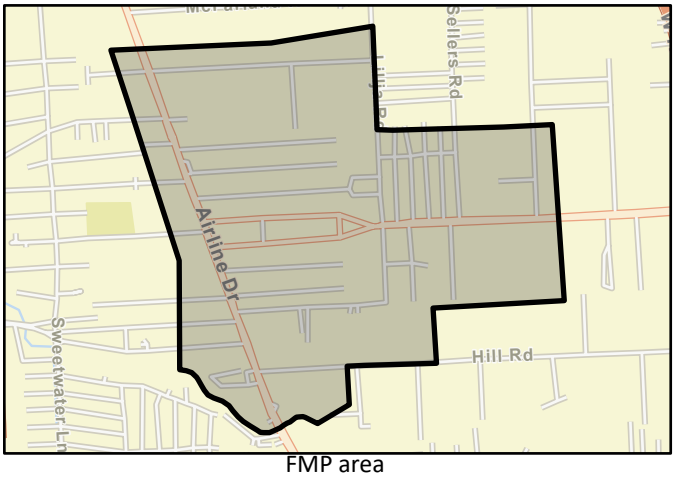
Population removed from 100-yr	0	# of structures removed from 100-yr	677
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	3.00	Low water crossings removed from 100-yr	1
Other benefits		Reduction in # of road closures over 10 years	1

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	22,386,000.00	% Nature-Based	0.00	BCR	2.32
Recurring costs	711,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)

ID#: 063000471 Sponsor: 00000310

RFPG recommend? Yes Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Project Description

This project provides for design and construction of four detention basisns providing approximately 602 ac-ft of storage in the Halls Bayou watershed. Inlcudes a half mile of channel improvements to P118-00-00.

Watershed HUC# (if known): 06000090
Emergency Need? No
Drainage area (mi² est.): 0.14
Associated FME's: 999999
County: Harris
Associated FMS's: 999999
Associated FMP's: 999999

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
Population at risk: 4 # of structures: 886 Critical facilities: 13
Farm/Ranch land impacted (acres): 0.00 Roadway(s) impacted (length): 11.11
Number of low water crossings: 0 Historical road closures: 0

100-Year Flood Risk Reduction

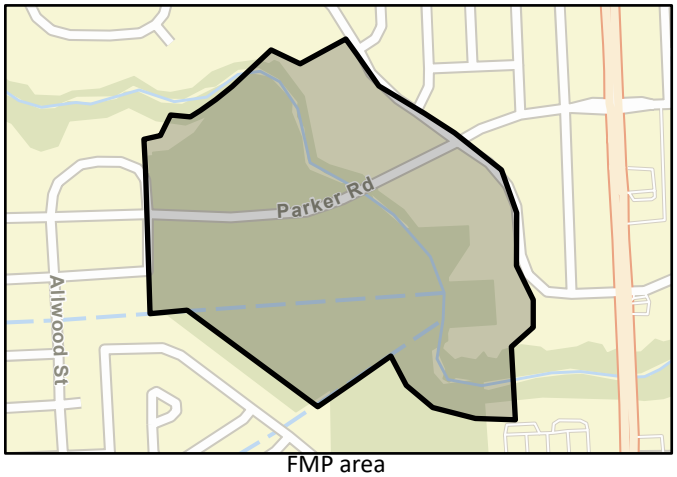
Population removed from 100-yr: 319
# of structures removed from 100-yr: 76
Critical facilities removed from 100-yr: 0
Farm/Ranch land removed from 100-yr (acres): 0
Road removed from 100-yr (miles): 1.00
Low water crossings removed from 100-yr: 0
Other benefits:
Reduction in # of road closures over 10 years: 0

Impacts

Negative impacts? No Negative impacts description:
Water supply contributions? No Water supply contribution description:

Estimated Cost

Project Cost: 38,230,000.00 % Nature-Based: 0.00 BCR: 0.18
Recurring costs: 1,053,000.00 Issues: Permitting



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project
ID#	063000472
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

This project includes the design and construciton of three detention basins (226 ac-ft) along South Mayde Creek (U101-00-00).

Watershed HUC# (if known)	06000077	Emergency Need?	No
		Drainage area (mi² est.)	44.67
Associated FME's	999999	County	Harris,Waller
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	8,067	# of structures	2,339	Critical facilities	43				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	48.68						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

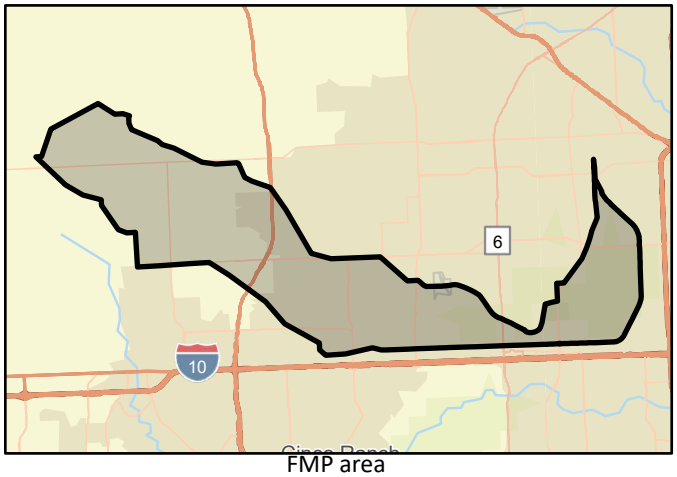
Population removed from 100-yr	194	# of structures removed from 100-yr	59
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

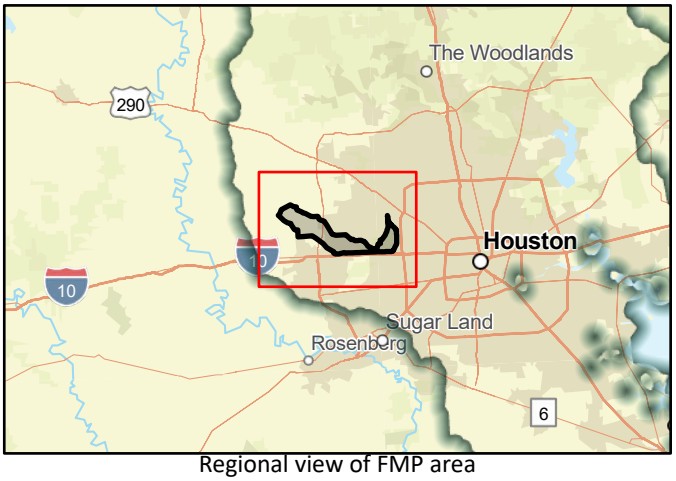
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	11,440,000.00	% Nature-Based	0.00	BCR	0.18
Recurring costs	694,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)		
ID#	063000473	Sponsor	00000310
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

This project includes three regional detention pond cells along Langham Creek within the Addicks Reservoir waterhsed to mitigate peak discharges expected with new development in the area.

Watershed HUC# (if known)	06000077	Emergency Need?	No
		Drainage area (mi² est.)	0.58
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk	356	# of structures	54	Critical facilities	0				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	1.33						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

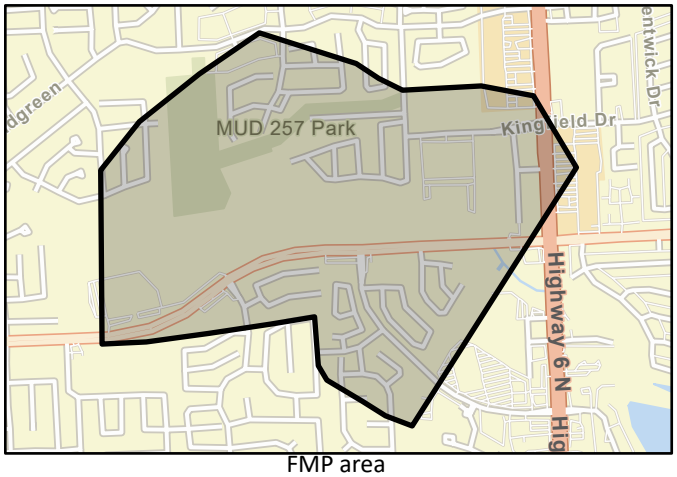
Population removed from 100-yr	0	# of structures removed from 100-yr	5
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

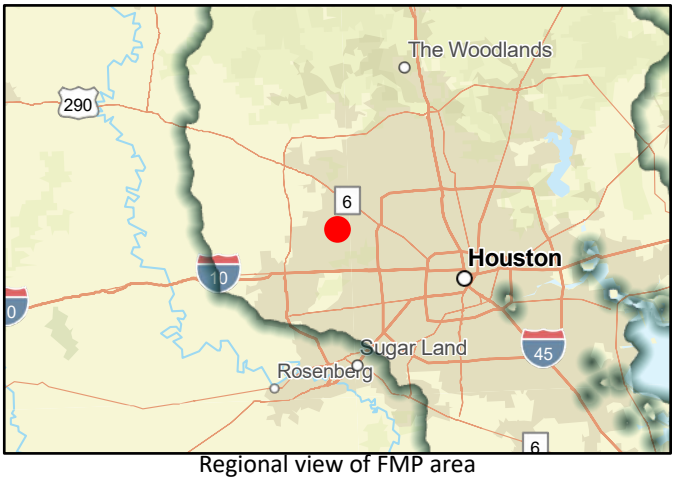
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	2,553,000.00	% Nature-Based	0.00	BCR	0.05
Recurring costs	155,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)
ID#	063000474
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

The proposed project includes channel improvements and inline detention from Cullen Boulevard to Pearland Parkway along with additional offline detention basins to mitigate for impacts from additional conveyance in the mainstem of Clear Creek.

Watershed HUC# (if known)	06000095, 06000086, 06000085, 06000107, 06000109, 06000106
Emergency Need?	No
Drainage area (mi² est.)	200.27
Associated FME's	999999
County	Harris, Fort Bend, Brazoria, Galveston
Associated FMS's	999999
Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other? No

Population at risk	57,612	# of structures	18,615	Critical facilities	144
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	445.83		
Number of low water crossings	5	Historical road closures	5		

100-Year Flood Risk Reduction

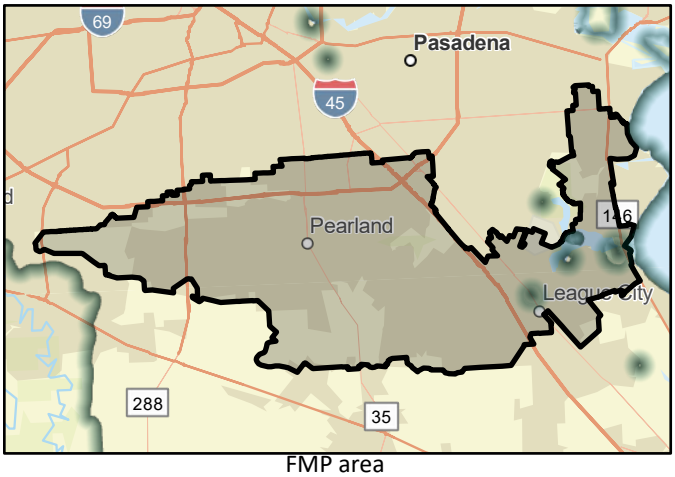
Population removed from 100-yr	0	# of structures removed from 100-yr	770
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

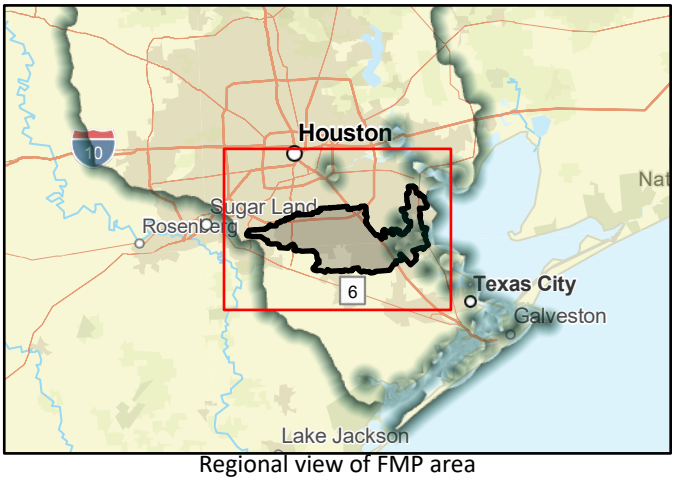
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	295,268,000.00	% Nature-Based	0.00	BCR	0.54
Recurring costs	583,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)

ID#: 063000475 Sponsor: 00000310

RFPG recommend?: Yes Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Project Description

This project provides for design and construction of a 311 ac-ft dry-bottom detention basin and 20-ft of channel improvements to P118-21-00.

Watershed HUC# (if known): 06000090

Emergency Need?: No

Drainage area (mi² est.): 2.31

Associated FME's: 999999

County: Harris

Associated FMS's: 999999

Associated FMP's: 999999

Existing 100-Year Flood Risk

Flood risk type: Riverine?: Yes Coastal?: No Local?: No Playa?: No Other?: No

Population at risk: 1,750 # of structures: 642 Critical facilities: 0

Farm/Ranch land impacted (acres): 0.01 Roadway(s) impacted (length): 6.79

Number of low water crossings: 0 Historical road closures: 0

100-Year Flood Risk Reduction

Population removed from 100-yr: 0

# of structures removed from 100-yr: 4

Critical facilities removed from 100-yr: 0

Farm/Ranch land removed from 100-yr (acres): 0

Road removed from 100-yr (miles): 0.00

Low water crossings removed from 100-yr: 0

Other benefits:

Reduction in # of road closures over 10 years: 0

Impacts

Negative impacts?: No

Negative impacts description:

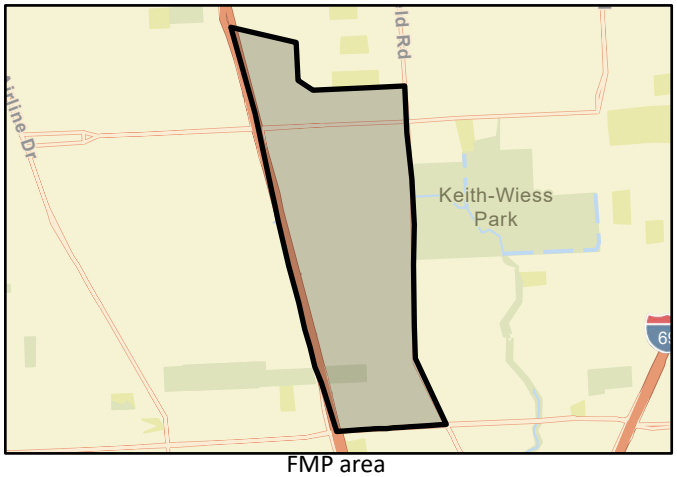
Water supply contributions?: No

Water supply contribution description:

Estimated Cost

Project Cost: 40,780,000.00 % Nature-Based: 0.00 BCR: 0.21

Recurring costs: 482,000.00 Issues: Permitting



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects
ID#	063000476
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Provides for design and construction of two detention basins in the Cypress Creek watershed, including a new 4,756 ac-ft detention basin and an expansion of an existing HCFCD detention basin along K500-01-00 from 531 ac-ft to 9,336 ac-ft of storage.

Watershed HUC# (if known)	06000029	Emergency Need?	No
		Drainage area (mi² est.)	273.03
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	36,147	# of structures	18,530	Critical facilities	144				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	447.64						
Number of low water crossings	4	Historical road closures	4						

100-Year Flood Risk Reduction

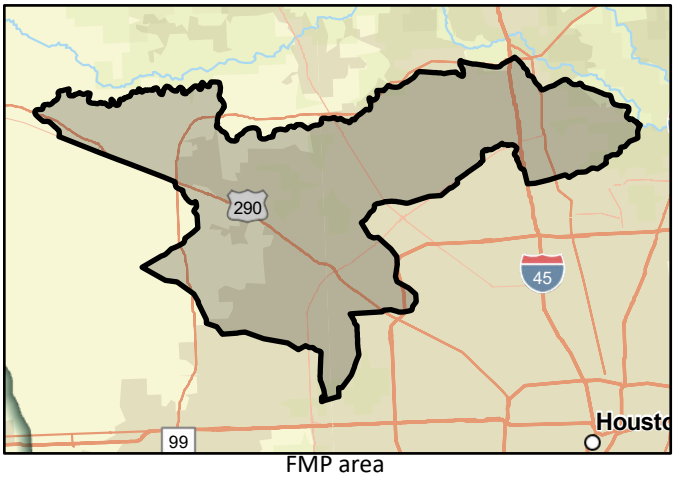
Population removed from 100-yr	7,070	# of structures removed from 100-yr	1,488
Critical facilities removed from 100-yr	10	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	22.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

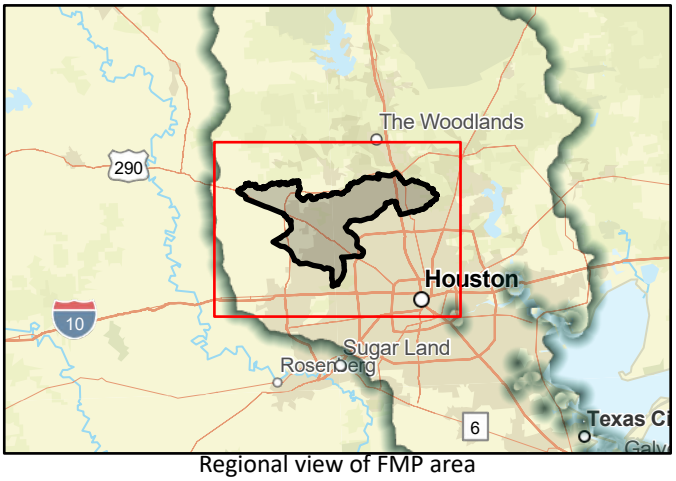
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	345,329,984.00	% Nature-Based	0.00	BCR	0.39
Recurring costs	20,922,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	P118-E006 (Hardy West) (2018 Bond Project C-41)		
ID#	063000477	Sponsor	00000310
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Project Description

Proposal of the Hardy West Detention Basin (P118-00-00-E006). Project consists of 2 basins providing 400 acre-ft of detention volume adjacent to Halls Bayou and separated by P118-25-00.

Watershed HUC# (if known)	06000090, 06000081, 06000089, 06000093	Emergency Need?	No
		Drainage area (mi² est.)	17.39
Associated FME's	999999	County	Harris
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other? No
Population at risk	9,997	# of structures	3,665	Critical facilities	3				
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (length)	22.99						
Number of low water crossings	1	Historical road closures	1						

100-Year Flood Risk Reduction

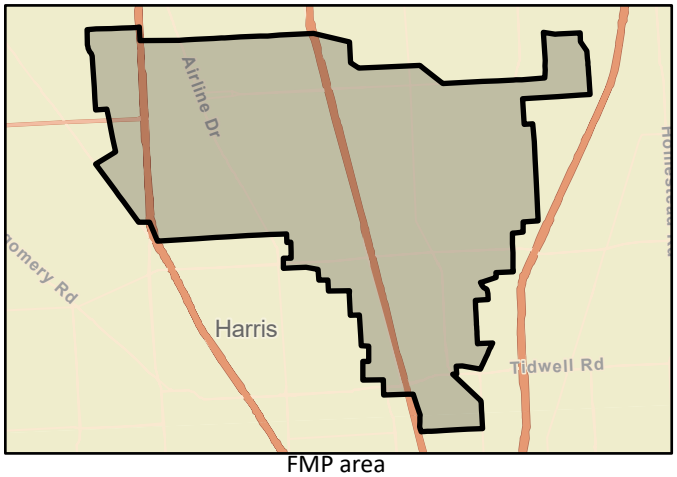
Population removed from 100-yr	121	# of structures removed from 100-yr	61
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	1.00	Low water crossings removed from 100-yr	0
Other benefits	Potential for recreational benefits	Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	32,053,000.00	% Nature-Based	0.00	BCR	0.38
Recurring costs	710,000.00	Issues	Permitting		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Kilgore Regional Detention Atlas 14 Upgrade

ID#: 063000480 Sponsor: 00000013

RFPG recommend? Yes Reason for Recommendation: Pending Approval in March

Project Description

Improve the existing system of the Kilgore Regional Detention project to confine flows from the Atlas-14 100-year event. Detention Ponds and channel improvements are included as part of the project's scope.

Watershed HUC# (if known): 06000104

Emergency Need? No

Drainage area (mi² est.): 1.59

Associated FME's: 999999

County: Chambers

Associated FMS's: 999999

Associated FMP's: 999999

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Population at risk: 48 # of structures: 16 Critical facilities: 0

Farm/Ranch land impacted (acres): 11.39 Roadway(s) impacted (length): 0.39

Number of low water crossings: 0 Historical road closures: 0

100-Year Flood Risk Reduction

Population removed from 100-yr: 48

# of structures removed from 100-yr: 16

Critical facilities removed from 100-yr: 0

Farm/Ranch land removed from 100-yr (acres): 8

Road removed from 100-yr (miles): 0.00

Low water crossings removed from 100-yr: 0

Other benefits:

Reduction in # of road closures over 10 years: 0

Impacts

Negative impacts? No

Negative impacts description:

Water supply contributions? No

Water supply contribution description:

Estimated Cost

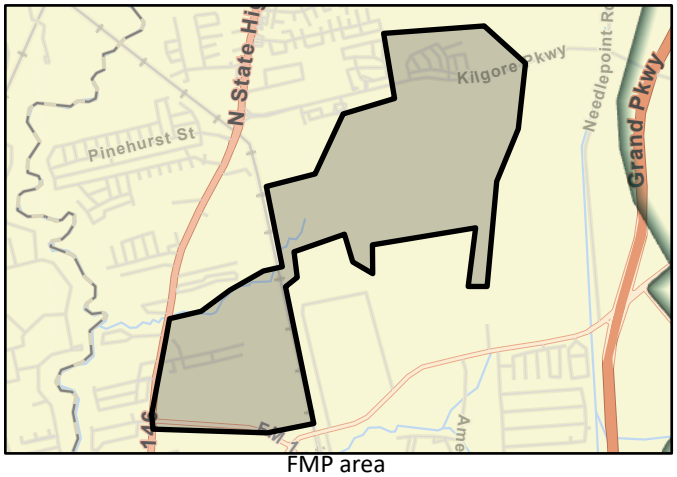
Project Cost: 157,246,000.00

% Nature-Based: 0.00

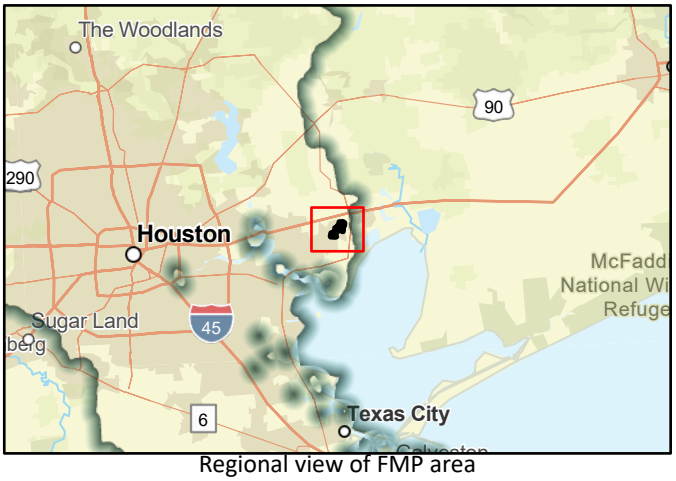
BCR: 0.02

Recurring costs: 9,434,760.00

Issues: Utility Conflicts, section of Wetlands , Right-of-Way space



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Staples Drive Improvements

ID#: 063000481 Sponsor: 00000013

RFPG recommend? Yes Reason for Recommendation: Pending Approval in March

Project Description

Install a trunkline at Staples Drive for alleviating flooding in the neighborhood. Channel improvements are to be completed downstream of the trunkline along Horsepen Bayou to eliminate impacts.

Watershed HUC# (if known): 06000104

Emergency Need? No

Drainage area (mi² est.): 0.09

Associated FME's: 999999

County: Chambers

Associated FMS's: 999999

Associated FMP's: 999999

Existing 100-Year Flood Risk

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Population at risk: 360 # of structures: 132 Critical facilities: 0

Farm/Ranch land impacted (acres): 0.59 Roadway(s) impacted (length): 0.33

Number of low water crossings: 0 Historical road closures: 0

100-Year Flood Risk Reduction

Population removed from 100-yr: 48

# of structures removed from 100-yr: 19

Critical facilities removed from 100-yr: 0

Farm/Ranch land removed from 100-yr (acres): 0

Road removed from 100-yr (miles): 0.00

Low water crossings removed from 100-yr: 0

Other benefits:

Reduction in # of road closures over 10 years: 0

Impacts

Negative impacts? No

Negative impacts description:

Water supply contributions? No

Water supply contribution description:

Estimated Cost

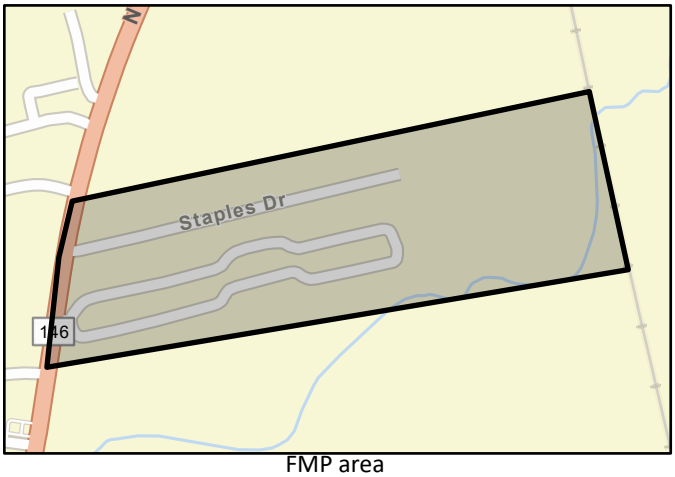
Project Cost: 4,878,000.00

% Nature-Based: 0.00

BCR: 5.26

Recurring costs: 292,680.00

Issues: Utility Conflicts, section of Wetlands , Right-of-Way space



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Saw Pit Gully Crossing Improvements
ID#	063000482
Sponsor	00000013
RFPG recommend?	Yes
Reason for Recommendation	Pending Approval in March

Project Description

Upgrade the culvert crossing at FM 1405 as well as select crossings downstream along Saw Pit Gully. Channel improvements are to be completed alongside the upgrades to eliminate impacts.

Watershed HUC# (if known)	06000104	Emergency Need?	No
		Drainage area (mi² est.)	1.15
Associated FME's	999999	County	Chambers
Associated FMS's	999999	Associated FMP's	999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No

Population at risk	171	# of structures	77	Critical facilities	0
Farm/Ranch land impacted (acres)	5.76	Roadway(s) impacted (length)	1.23		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

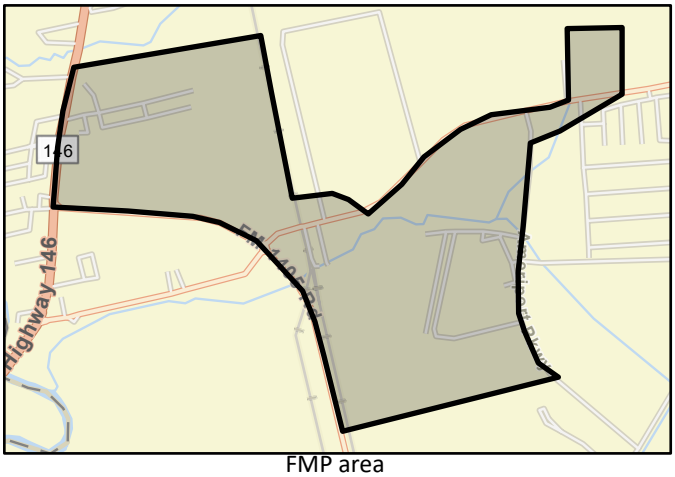
Population removed from 100-yr	72	# of structures removed from 100-yr	28
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	1
Road removed from 100-yr (miles)	0.00	Low water crossings removed from 100-yr	0
Other benefits		Reduction in # of road closures over 10 years	0

Impacts

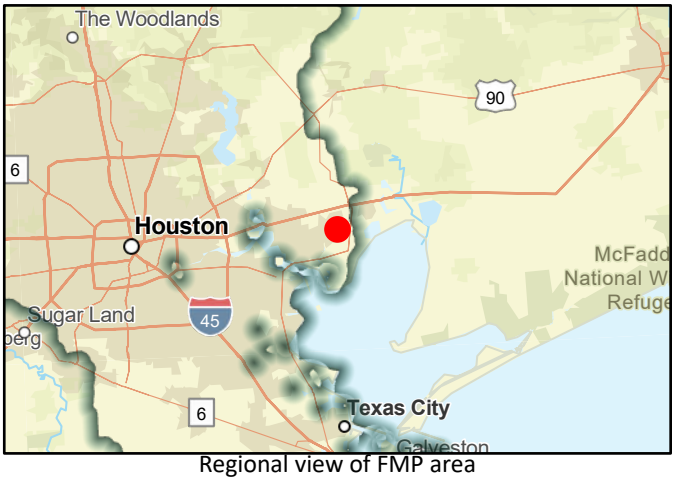
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Project Cost	10,904,000.00	% Nature-Based	0.00	BCR	0.37
Recurring costs	654,240.00	Issues	Overhead power lines, Right-of-way		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Smith Gully and Barbers Hill Ditch

ID#: 063000483 Sponsor: 00000013

RFPG recommend? Yes Reason for Recommendation: Pending Approval in March

Project Description

Channel improvements for 100-year capacity in Smith Gully and Barbers Hill Ditch.

Watershed HUC# (if known): 06000103, 06000102

Emergency Need? No

Drainage area (mi² est.): 68.74

Associated FME's: 999999

County: Chambers

Associated FMS's: 999999

Associated FMP's: 999999

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Population at risk: 2,274 # of structures: 1,544 Critical facilities: 154

Farm/Ranch land impacted (acres): 3,986.94 Roadway(s) impacted (length): 20.71

Number of low water crossings: 1 Historical road closures: 1

100-Year Flood Risk Reduction

Population removed from 100-yr: 33

# of structures removed from 100-yr: 30

Critical facilities removed from 100-yr: 4

Farm/Ranch land removed from 100-yr (acres): 12

Road removed from 100-yr (miles): 1.00

Low water crossings removed from 100-yr: 1

Other benefits:

Reduction in # of road closures over 10 years: 1

Impacts

Negative impacts? No

Negative impacts description:

Water supply contributions? No

Water supply contribution description:

Estimated Cost

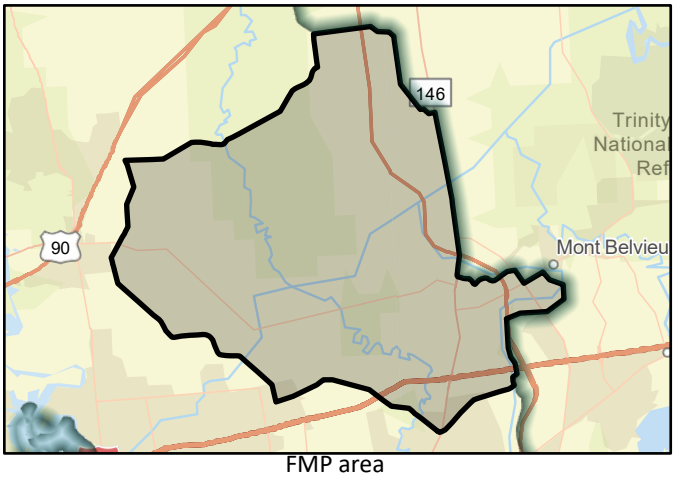
Project Cost: 49,467,000.00

% Nature-Based: 0.00

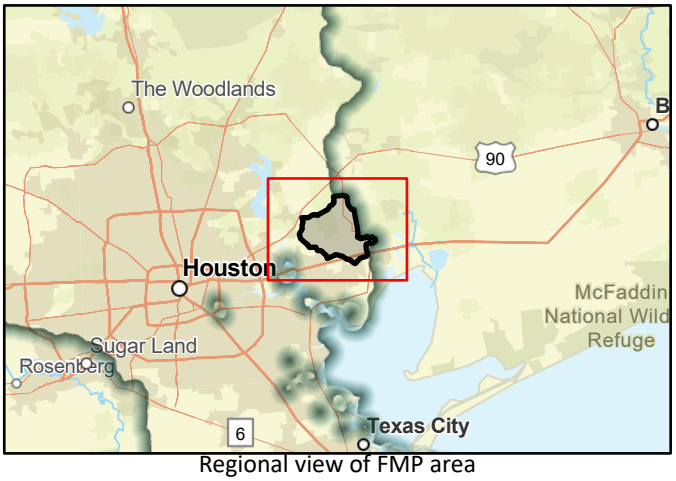
BCR: 0.05

Recurring costs: 2,968,020.00

Issues: Land aquisition, wetland areas, utility conflicts



FMP area



Regional view of FMP area

Appendix 5-5B:

One-Page Summaries of Recommended FMSs

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Bellaire Roadway and Drainage Improvements
ID#	062000001
Sponsor	06002854
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Other
Strategy description	Perform engineering services in support of the local drainage asset management planning, to repair or reconstruct antiquated local drainage and associated road infrastructure. Including design of storm sewers, roadways, and overland storage/
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	3.58
Watershed HUC# (if known)	06000084,06000083,06000084,06000083
County	Harris

Existing 100-Year Flood Risk

Population at risk	25,741	# of structures	5,879	Critical facilities	71				
Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	0.15	Roadway(s) impacted (miles)	71.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

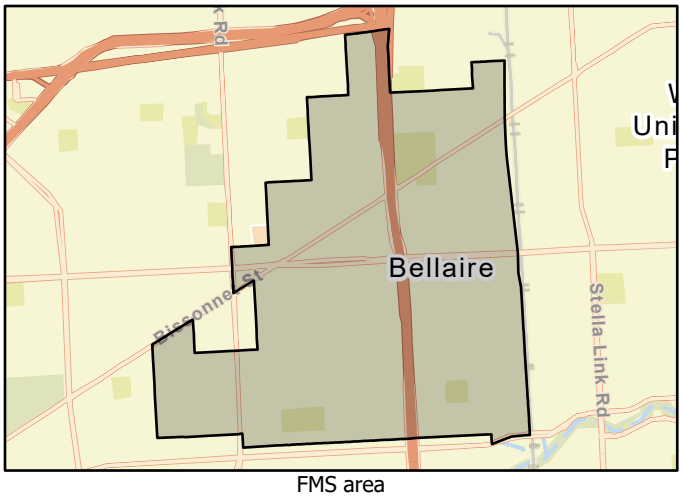
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Public Uplift	Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	3,000,000.00	Amount of available funding	750,000.00	% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Bellaire Non-Structural Flood Risk Reduction Strategies
ID#	062000002
Sponsor	06002854
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Other
Strategy description	Conduct planning and outreach efforts to identify residents interested in buy-out, home elevation, or flood proofing programs, and develop plans or grant applications to support interested parties.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	06000084,06000083,06000084,06000083
Drainage area (mi², est.)	3.58
County	Harris

Existing 100-Year Flood Risk

Population at risk	25,741	# of structures	5,879	Critical facilities	71				
Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	0.15	Roadway(s) impacted (miles)	71.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

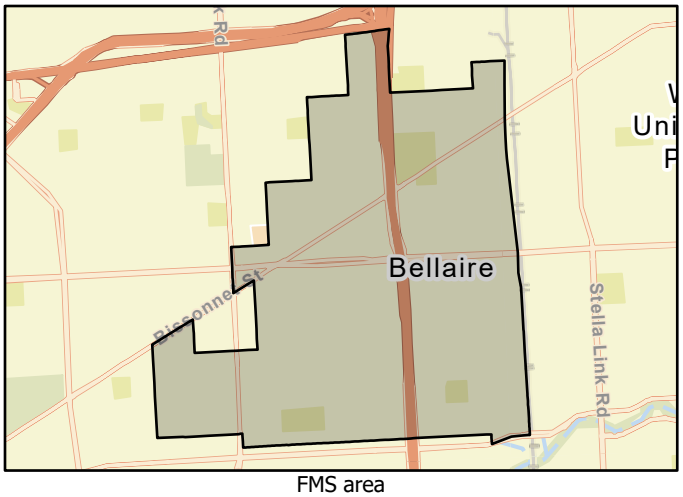
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Public Education	Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	50,000.00	Amount of available funding	12,500.00	% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Bellaire Drainage Requirements and Flood Damage Prevention Ordinance
ID#	062000003
Sponsor	06002854
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Other
Strategy description	Develop updates to Bellaire's residential and non-residential drainage requirements and the City's flood damage prevention ordinance, in alignment with Bellaire's broader flood risk management goals and objectives.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	3.58
Watershed HUC# (if known)	06000084,06000083,06000084,06000083
County	Harris

Existing 100-Year Flood Risk

Population at risk	25,741	# of structures	5,879	Critical facilities	71				
Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	0.15	Roadway(s) impacted (miles)	71.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

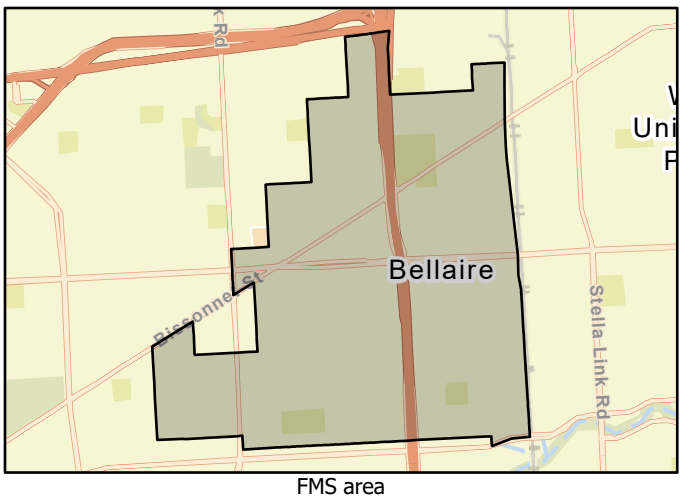
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	50,000.00	Amount of available funding	12,500.00	% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Bellaire Surrounding Area Drainage Improvements
ID#	062000004
Sponsor	06002854
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Other
Strategy description	Partner with surrounding municipalities/governmental agencies to identify drainage improvements (conveyance or detention) which could minimize extreme event sheet flow entering into Bellaire.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	06000084,06000083,06000084,06000083
Drainage area (mi², est.)	3.58
County	Harris

Existing 100-Year Flood Risk

Population at risk	25,741	# of structures	5,879	Critical facilities	71				
Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	0.15	Roadway(s) impacted (miles)	71.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

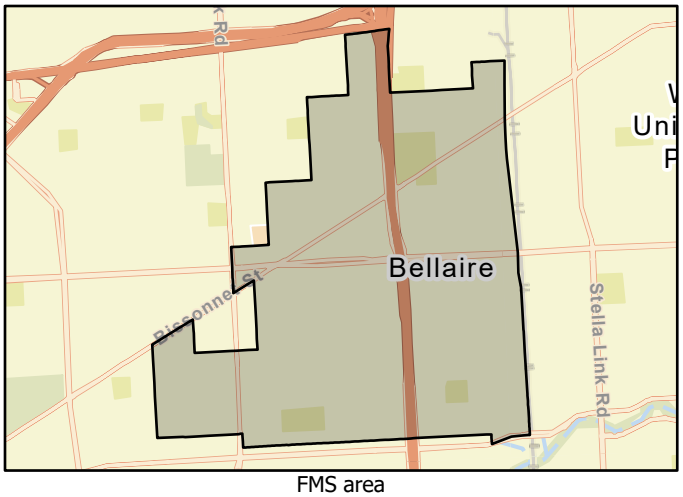
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	100,000.00	Amount of available funding	25,000.00	% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Bellaire Floodwater Public Awareness Initiatives
ID#	062000005
Sponsor	06002854
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Education and Outreach
Strategy description	Periodically distribute messages to residents warning of dangers of walking or playing in floodwaters. Develop a plan with local schools to educate children to avoid walking, playing, or riding bicycles in floodwaters.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	06000084,06000083,06000084,06000083
Drainage area (mi², est.)	3.58
County	Harris

Existing 100-Year Flood Risk

Population at risk	25,741	# of structures	5,879	Critical facilities	71				
Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	0.15	Roadway(s) impacted (miles)	71.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

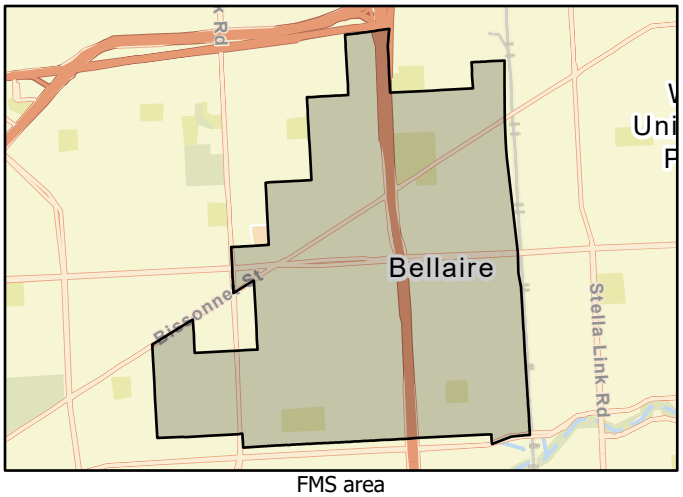
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Public Education	Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	50,000.00	Amount of available funding	12,500.00	% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Bunker Hill Community Outreach		
ID#	062000006	Sponsor	06002856
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Education and Outreach		
Strategy description	Community Outreach (flooded street identification, marking and signage)		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999		
Watershed HUC# (if known)	06000080,06000080	Drainage area (mi², est.)	1.44
		County	Harris

Existing 100-Year Flood Risk

Population at risk	0	# of structures	0	Critical facilities	0				
Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (miles)	0.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

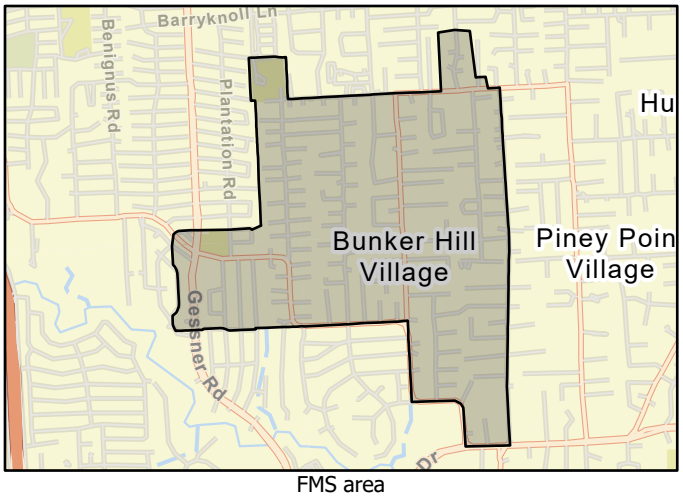
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Public Education	Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	100,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Bunker Hill Dam/Levee Maintenance and Monitoring Plan
ID#	062000007
Sponsor	06002856
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Other
Strategy description	Minimize the risk of dam/levee failure and related damage to existing and proposed structures by monitoring the maintenance and inspection schedules.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	06000080,06000080
Drainage area (mi², est.)	1.44
County	Harris

Existing 100-Year Flood Risk

Population at risk	0	# of structures	0	Critical facilities	0				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (miles)	0.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

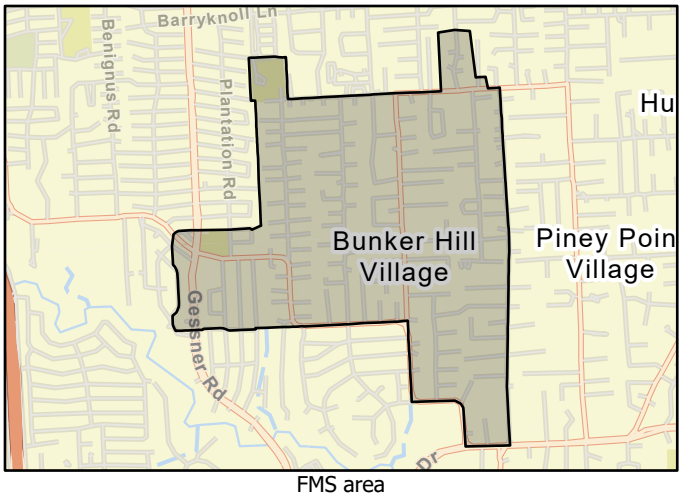
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	500,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Harris County Hazard Mitigation Action AW-3
ID#	062000008
Sponsor	00000020
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Education and Outreach
Strategy description	Utilizing the existing public outreach capability to develop, deploy, and disseminate targeted outreach projects promoting risk communication, mitigation and resilience to all the hazards of concern.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	1,770.82
Watershed HUC# (if known)	999999
County	Harris

Existing 100-Year Flood Risk

Population at risk	590,954	# of structures	143,642	Critical facilities	2,332				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	5,993.47	Roadway(s) impacted (miles)	2,408.00						
Number of low water crossings	89	Historical road closures	89						

100-Year Flood Risk Reduction

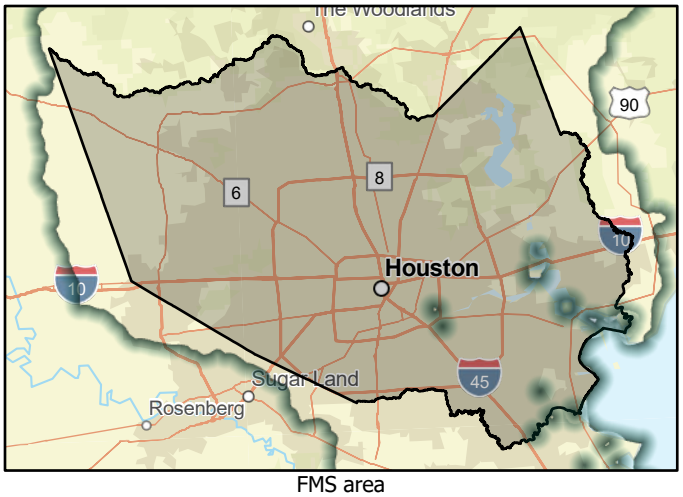
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Public Education	Reduction in # of road closures over 10 years	

Impacts

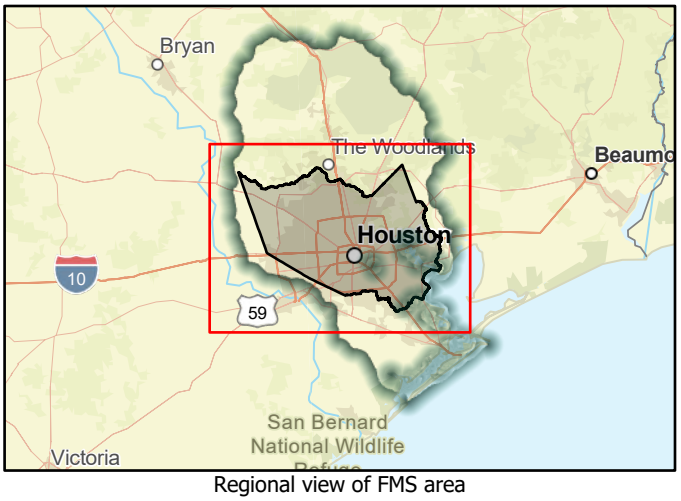
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	100,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Harris County Hazard Mitigation Action AW-4		
ID#	062000009	Sponsor	00000020
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Flood Measurement and Warning
Strategy description	Strive to capture time-sensitive data such as high-water marks, extent and location of hazard, and loss information to support future updates to risk assessments as well as other plans and programs that utilize hazard extent data.

Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999		
Watershed HUC# (if known)	999999	Drainage area (mi², est.)	1,770.82
		County	Harris

Existing 100-Year Flood Risk

Population at risk	590,954	# of structures	143,642	Critical facilities	2,332				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	5,993.47	Roadway(s) impacted (miles)	2,408.00						
Number of low water crossings	89	Historical road closures	89						

100-Year Flood Risk Reduction

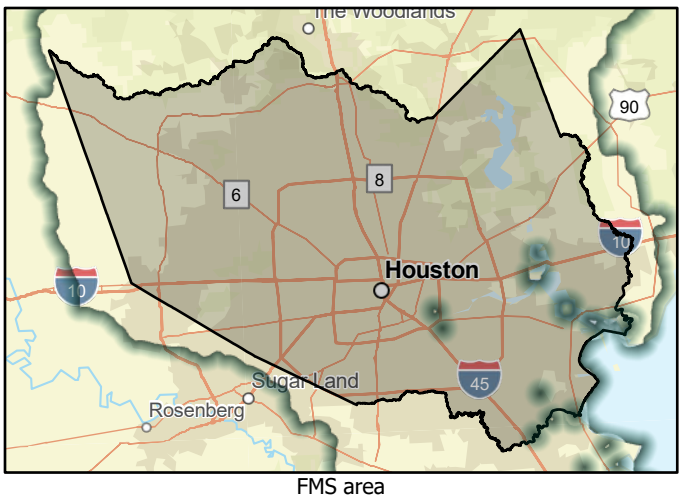
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

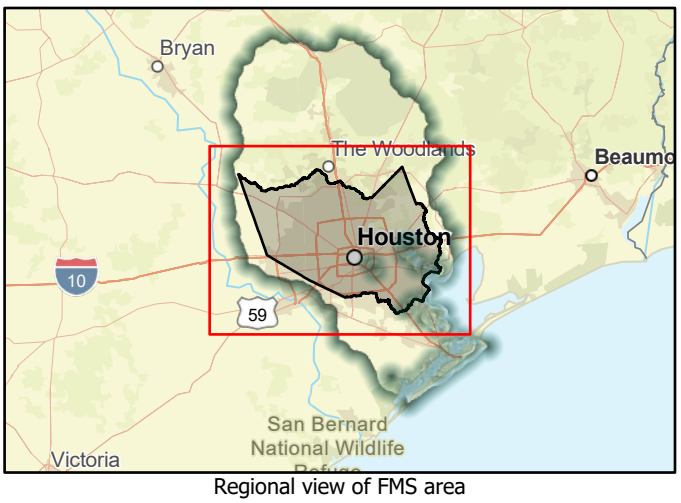
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	300,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Harris County Hazard Mitigation Action AW-5
ID#	062000010
Sponsor	00000020
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Flood Measurement and Warning
Strategy description	Continue to develop, improve, and implement an enhanced mass public warning and alert system within the Harris County Joint Information Center to provide warning capability throughout Harris County to support the emergency management of all
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	1,770.82
Watershed HUC# (if known)	999999
County	Harris

Existing 100-Year Flood Risk

Population at risk	590,954	# of structures	143,642	Critical facilities	2,332				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	5,993.47	Roadway(s) impacted (miles)	2,408.00						
Number of low water crossings	89	Historical road closures	89						

100-Year Flood Risk Reduction

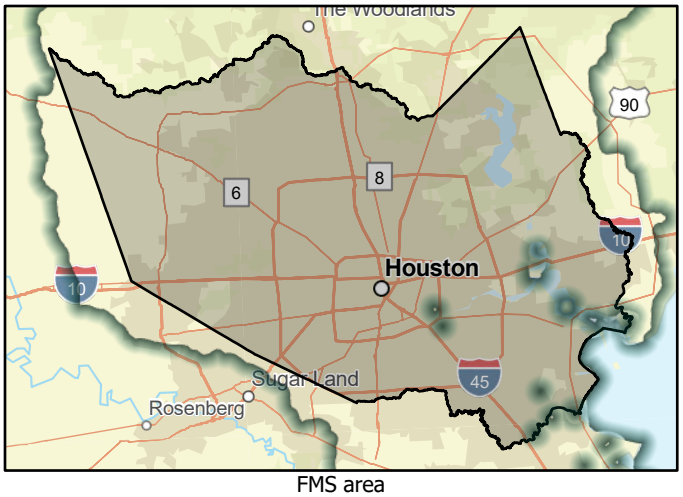
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Public Education	Reduction in # of road closures over 10 years	

Impacts

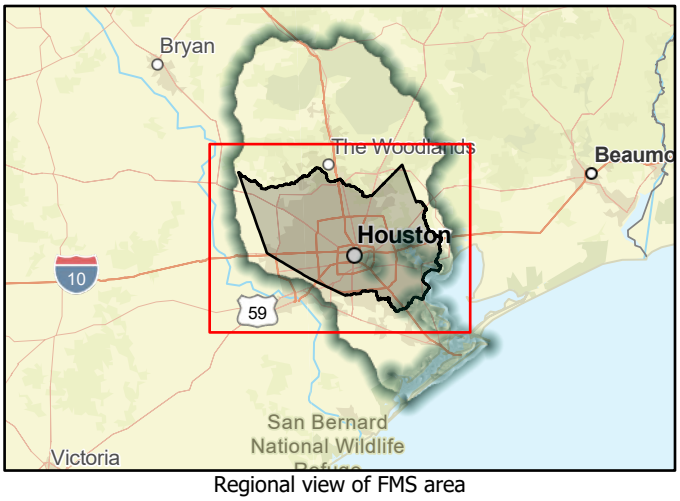
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	100,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Harris County Hazard Mitigation Action AW-6
ID#	062000011
Sponsor	00000020
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Flood Measurement and Warning
Strategy description	Utilize viable and relevant information, data and tools (Hazus models) developed as part of the update to the risk assessment of this plan update to support training and exercise of the County's preparedness, response and recovery programs.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	1,770.82
Watershed HUC# (if known)	999999
County	Harris

Existing 100-Year Flood Risk

Population at risk	590,954	# of structures	143,642	Critical facilities	2,332				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	5,993.47	Roadway(s) impacted (miles)	2,408.00						
Number of low water crossings	89	Historical road closures	89						

100-Year Flood Risk Reduction

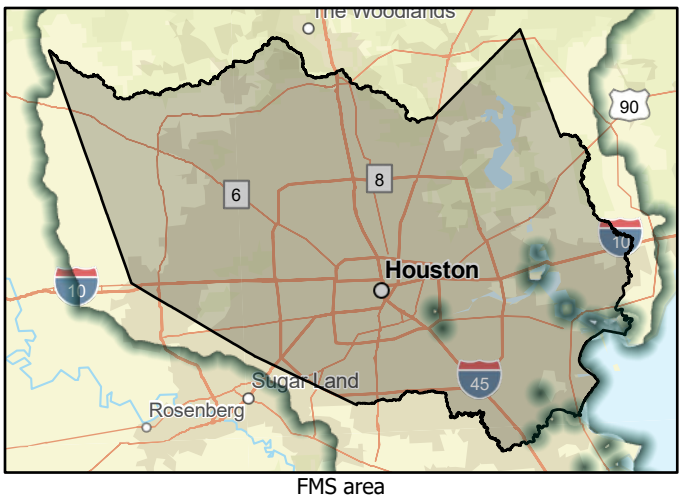
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

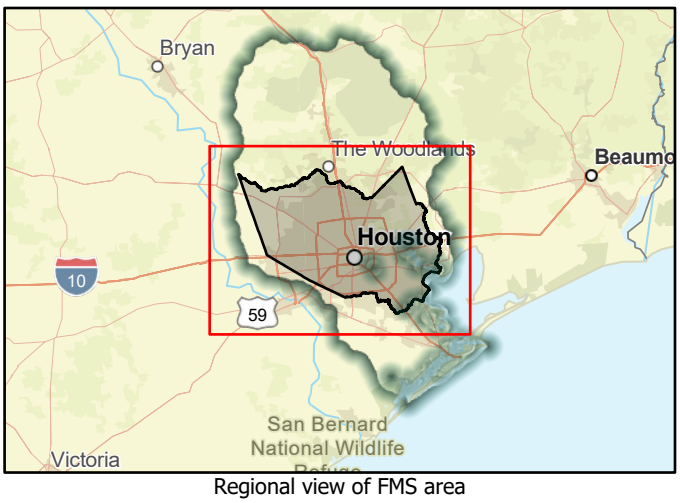
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	500,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Alvin CRS Application
ID#	062000012
Sponsor	00003020
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Other
Strategy description	Apply and once accepted maintain and/or improve CRS status. Cost is time, data and preparation of a CRS application. Benefit, if approved homeowner with flood insurance could receive a discount based on the City's CRS score.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	06000107,06000107,06000109,06000106
Drainage area (mi², est.)	15.74
County	Brazoria

Existing 100-Year Flood Risk

Population at risk	15,209	# of structures	3,428	Critical facilities	18				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	176.13	Roadway(s) impacted (miles)	52.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	25,000.00	Amount of available funding	25,000.00	% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Brazoria County Increased Cost of Compliance Education		
ID#	062000013	Sponsor	00000003
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Education and Outreach		
Strategy description	Implement campaign on public education of ICC (Increased Cost of Compliance) coverage.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999		
Watershed HUC# (if known)	06000108,06000108,06000107,06000109,06000106	Drainage area (mi², est.)	1,481.63
		County	Brazoria

Existing 100-Year Flood Risk

Population at risk	38,623	# of structures	18,845	Critical facilities	248				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	8,576.76	Roadway(s) impacted (miles)	328.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

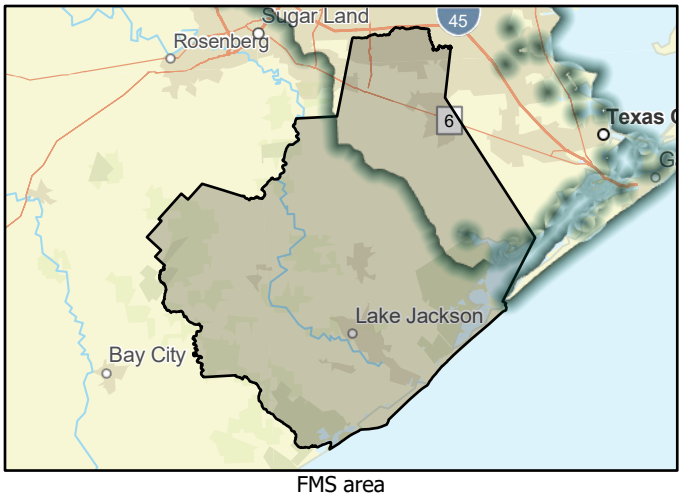
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Public Education	Reduction in # of road closures over 10 years	

Impacts

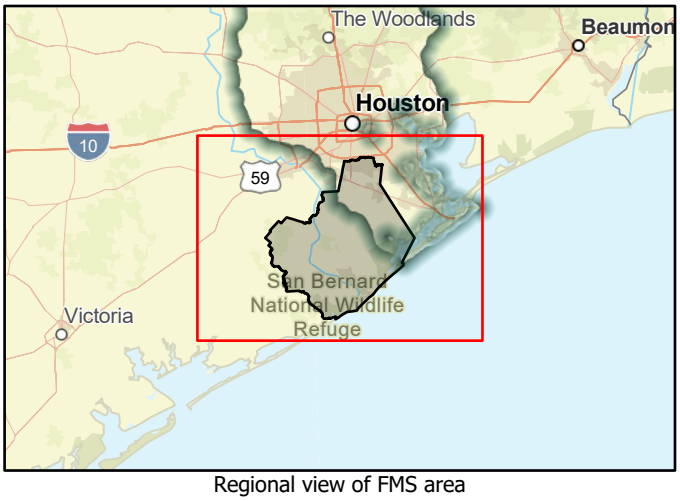
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	20,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Galveston NFIP CRS Rating
ID#	062000014
Sponsor	06002809
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Other
Strategy description	Maintain membership of the NFIP's CRS
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	53.42
Watershed HUC# (if known)	06000108,06000108,06000107,06000109,06000110
County	Galveston

Existing 100-Year Flood Risk

Population at risk	64,429	# of structures	23,123	Critical facilities	513				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	262.80	Roadway(s) impacted (miles)	408.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

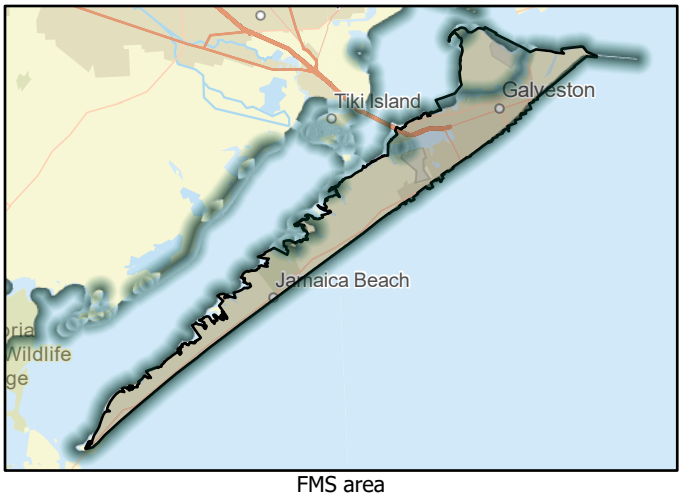
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

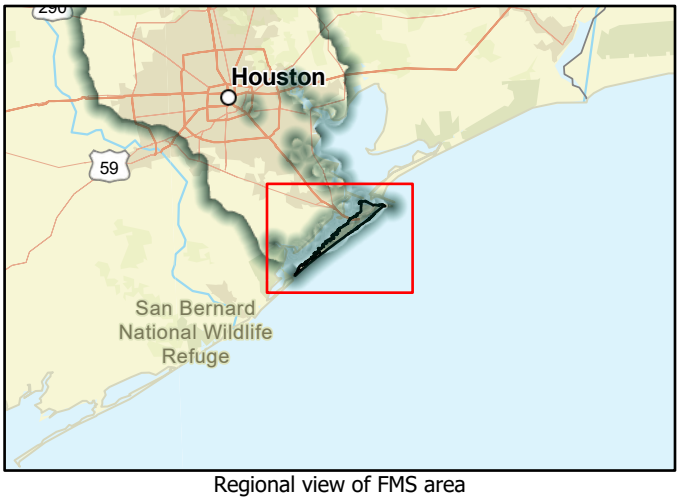
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	10,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Develop Applicable Plans and Studies to Address Hazard Mitigation in Galveston County
ID#	062000015
Sponsor	00000006
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Regulatory and Guidance
Strategy description	Review planning needs annually to include, but not be limited to, CEMP, debris management, stormwater management, master plan, drainage, drought, GIS mapping, complete study to locate areas prone to expansive soils and land subsidence, etc.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	06000108,06000108,06000107,06000109,06000106
Drainage area (mi², est.)	665.15
County	Galveston

Existing 100-Year Flood Risk

Population at risk	102,742	# of structures	48,566	Critical facilities	680				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	3,412.44	Roadway(s) impacted (miles)	910.00						
Number of low water crossings	30	Historical road closures	30						

100-Year Flood Risk Reduction

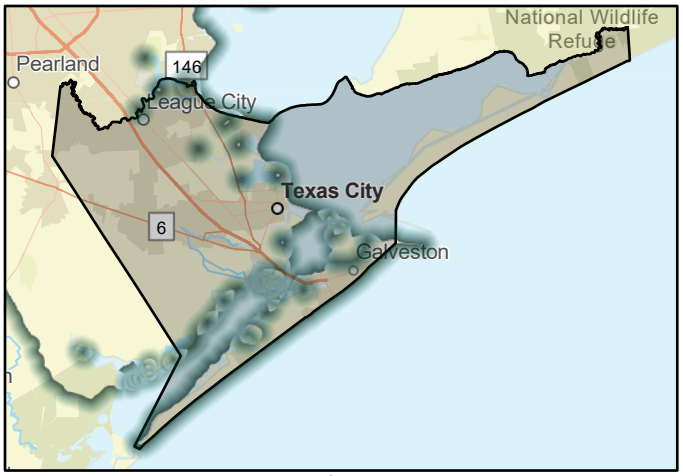
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

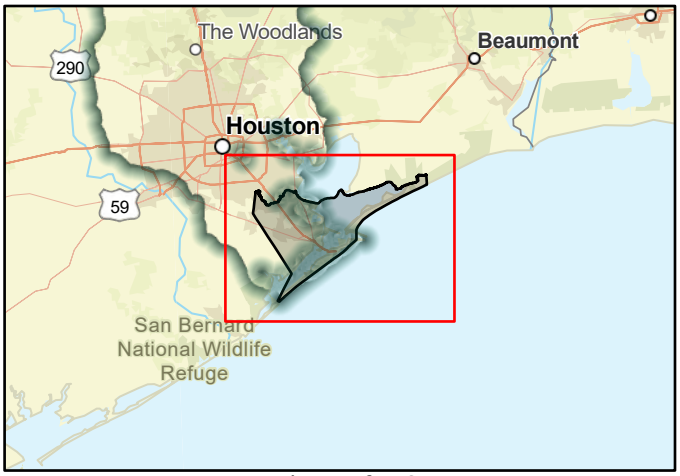
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	100,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Waller County Elevation Certificate Requirement
ID#	062000016
Sponsor	00000024
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Regulatory and Guidance
Strategy description	Require and maintain FEMA elevation certificates for all new/improved building in the special flood hazard area (SFHA).
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	797.91
Watershed HUC# (if known)	06000004,06000004,06000001,06000002,06000003,06000005,06000006,
County	Waller

Existing 100-Year Flood Risk

Population at risk	545	# of structures	505	Critical facilities	1				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	180.47	Roadway(s) impacted (miles)	25.00						
Number of low water crossings	2	Historical road closures	2						

100-Year Flood Risk Reduction

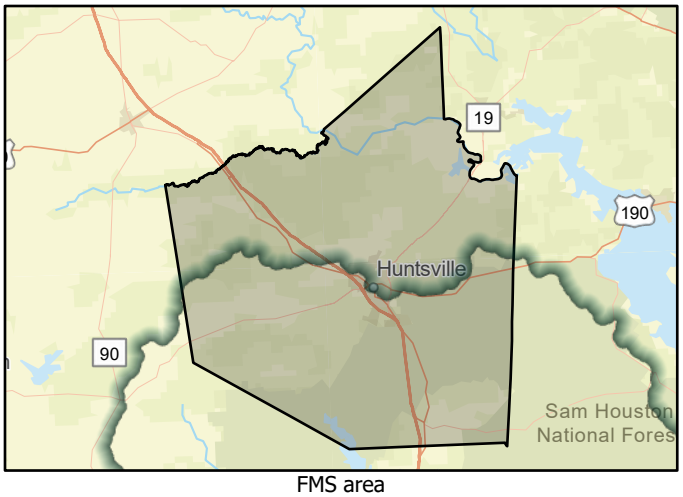
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

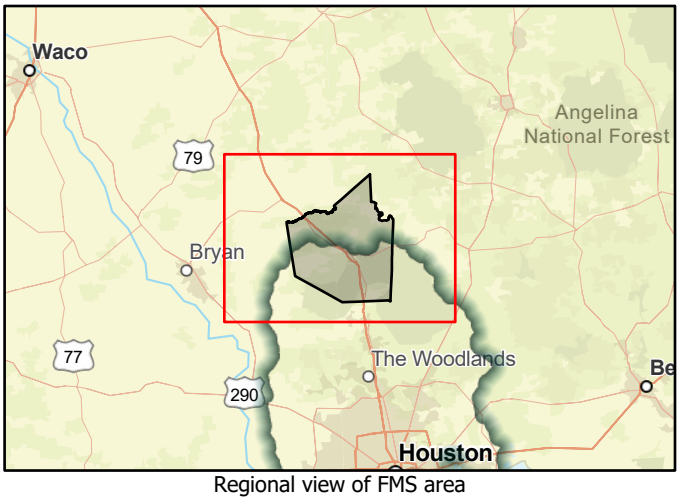
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	50,000.00	Amount of available funding	25,000.00	% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Develop Program to Optimize Operation of the Flood Gates at Second Cut Outlet in City of Kemah
ID#	062000017
Sponsor	06003396
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Regulatory and Guidance
Strategy description	Develop program to integrate with the Harris County Flood Control District for the purpose of optimizing the operation of the flood gates at second cut outlet.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	1.88
Watershed HUC# (if known)	06000107,06000107,06000106
County	Galveston

Existing 100-Year Flood Risk

Population at risk	2,792	# of structures	560	Critical facilities	7				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	0.59	Roadway(s) impacted (miles)	13.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

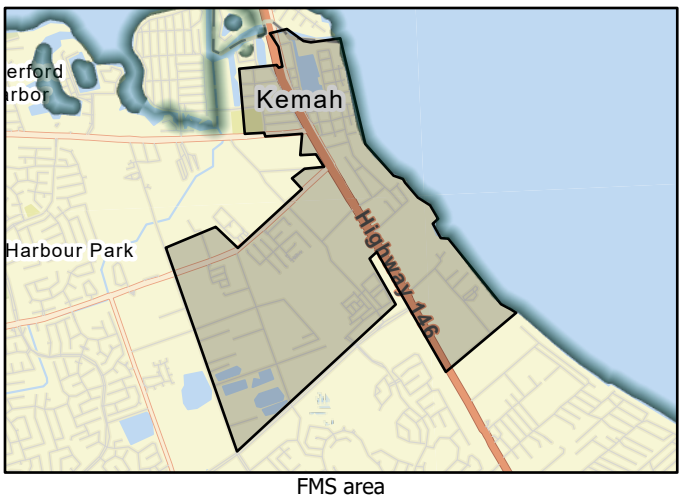
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

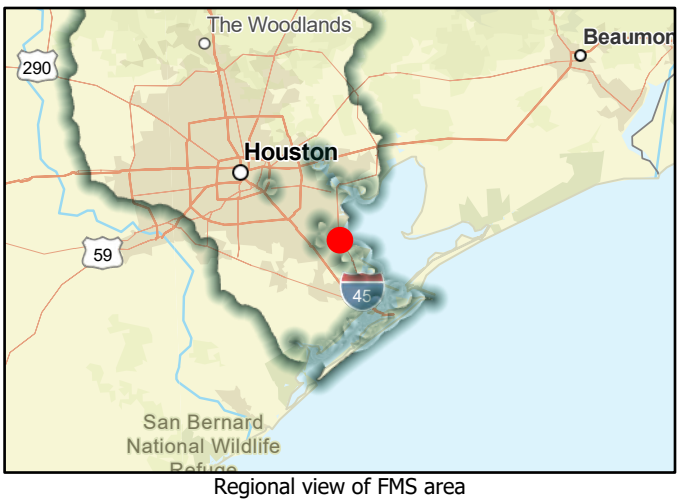
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	100,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Galveston County-wide Education and Outreach
ID#	062000018
Sponsor	00000006
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Education and Outreach
Strategy description	Provide educational information related to preparedness, mitigation, response, and recovery to the public.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	664.96
Watershed HUC# (if known)	06000108,06000108,06000107,06000109,06000106
County	Galveston,Harris

Existing 100-Year Flood Risk

Population at risk	102,735	# of structures	48,564	Critical facilities	680				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	3,414.69	Roadway(s) impacted (miles)	910.00						
Number of low water crossings	30	Historical road closures	30						

100-Year Flood Risk Reduction

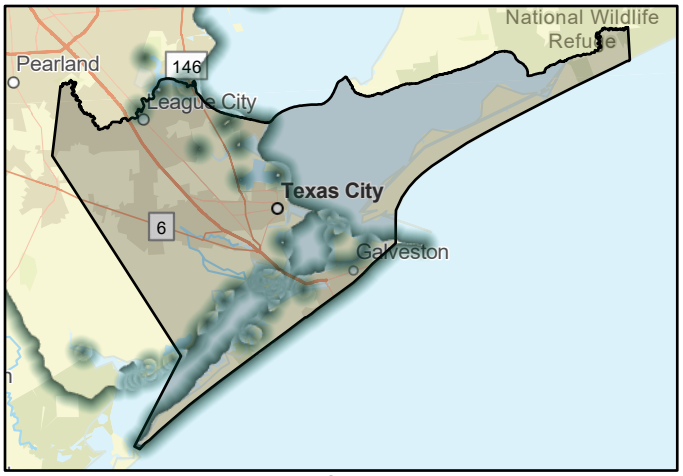
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Public Education	Reduction in # of road closures over 10 years	

Impacts

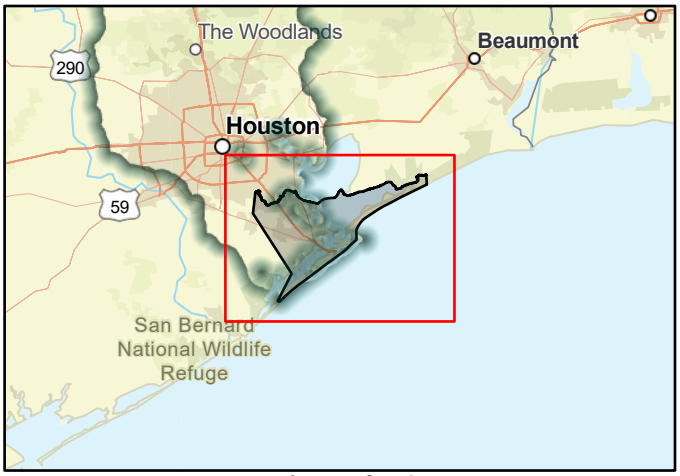
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	50,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Public Information and Awareness in City of New Waverly
ID#	062000019
Sponsor	06003391
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Education and Outreach
Strategy description	Rewrite, improve, and implement new local floodplain regulations, to include a public information campaign on regulatory awareness.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	06000046,06000046
Drainage area (mi², est.)	2.21
County	Walker

Existing 100-Year Flood Risk

Population at risk	19	# of structures	23	Critical facilities	0				
Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	0.90	Roadway(s) impacted (miles)	0.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

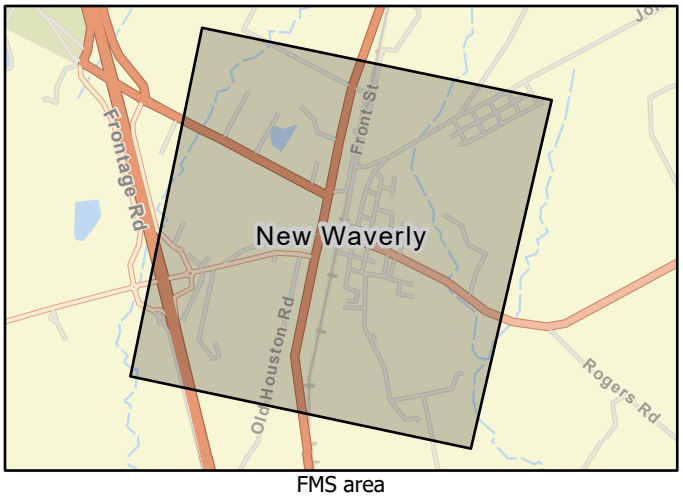
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Public Education	Reduction in # of road closures over 10 years	

Impacts

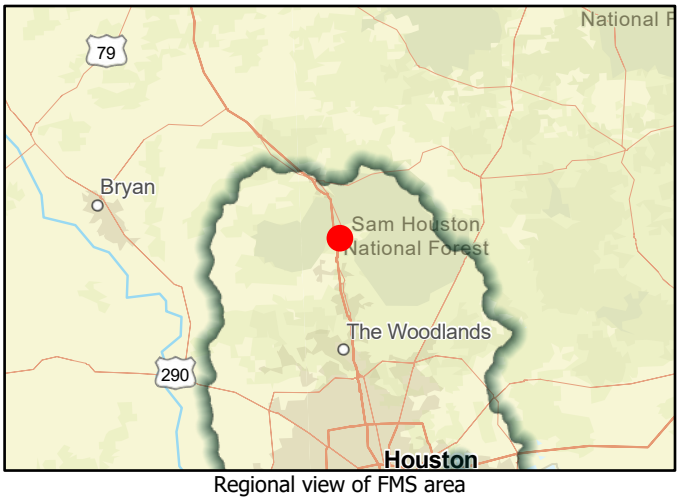
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	10,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Promotion of Flood Insurance in City of Arcola		
ID#	062000020	Sponsor	00002557
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Education and Outreach		
Strategy description	Promote the purchase of flood insurance. Advertise the availability, cost, and coverage of flood insurance through the NFIP.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999		
Watershed HUC# (if known)	06000109,06000109	Drainage area (mi², est.)	2.60
		County	Fort Bend

Existing 100-Year Flood Risk

Population at risk	39	# of structures	41	Critical facilities	0				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	1.23	Roadway(s) impacted (miles)	0.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

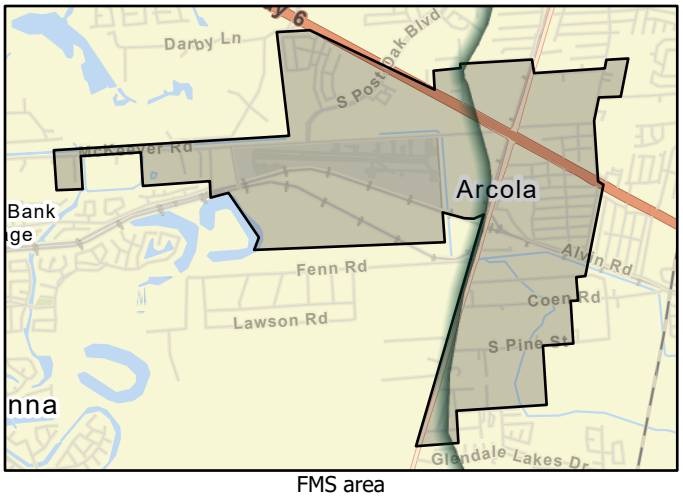
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Public Education	Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	50,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Todd Mission Public Outreach & Education
ID#	062000021
Sponsor	06003415
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Education and Outreach
Strategy description	Provide educational information related to preparedness, mitigation, response, and recovery to the public.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	1.95
Watershed HUC# (if known)	06000035,06000035,06000038
County	Grimes

Existing 100-Year Flood Risk

Population at risk	16	# of structures	20	Critical facilities	0				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	1.28	Roadway(s) impacted (miles)	0.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

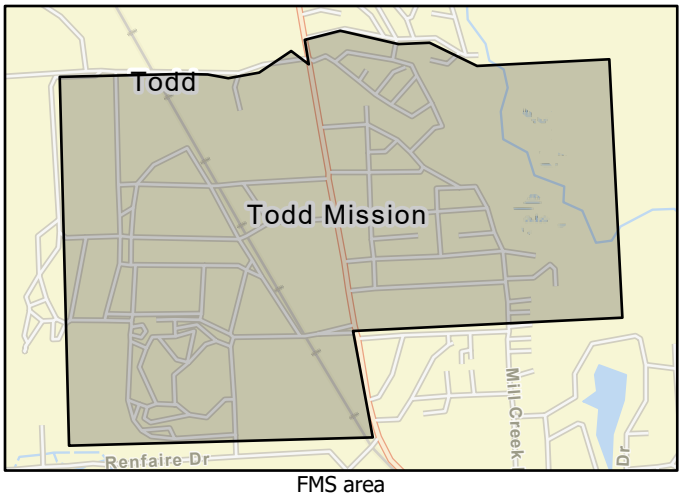
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Public Education	Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	20,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Increase Public Awareness of Hazards in City of Arcola
ID#	062000022
Sponsor	00002557
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Education and Outreach
Strategy description	Increase public awareness of hazards and hazardous areas. Distribute public awareness information regarding flood hazards.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	2.60
Watershed HUC# (if known)	06000109,06000109
County	Fort Bend

Existing 100-Year Flood Risk

Population at risk	39	# of structures	41	Critical facilities	0				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	1.23	Roadway(s) impacted (miles)	0.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

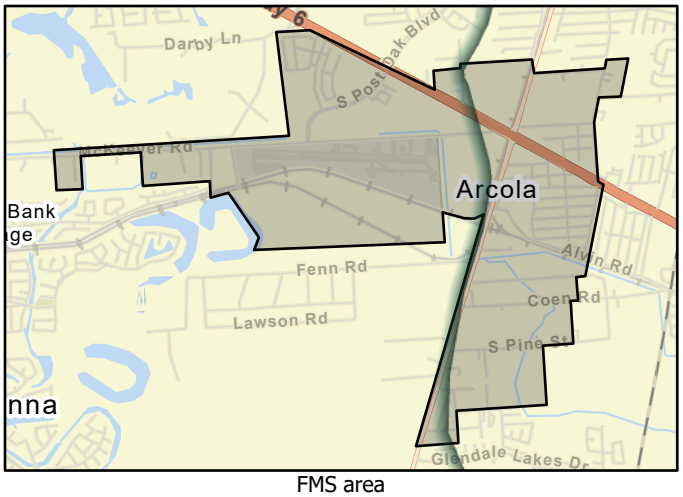
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Public Education	Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	50,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Expand Development of Emergency Notification System in Liberty County
ID#	062000023
Sponsor	00000033
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Education and Outreach
Strategy description	Expand development of emergency notification system/work to establish public awareness of emergency notification process.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	1,169.77
Watershed HUC# (if known)	06000056,06000056,06000053,06000054,06000060,06000070,06000058,
County	Liberty

Existing 100-Year Flood Risk

Population at risk	3,575	# of structures	3,617	Critical facilities	8				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	1,379.38	Roadway(s) impacted (miles)	144.00						
Number of low water crossings	7	Historical road closures	7						

100-Year Flood Risk Reduction

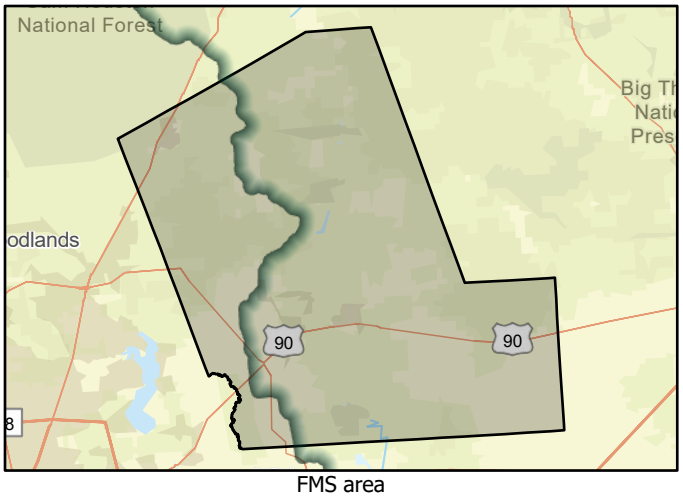
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Public Education	Reduction in # of road closures over 10 years	

Impacts

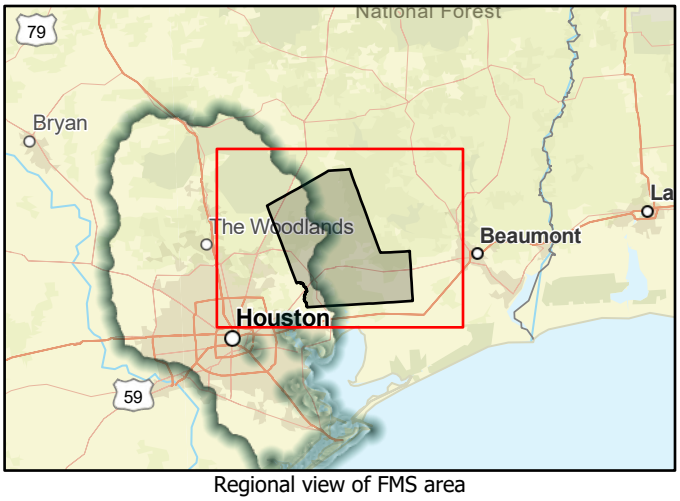
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	10,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Galveston County Stormproof/Retrofit Infrastructure
ID#	062000025
Sponsor	00000006
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Infrastructure Projects
Strategy description	Stormproof/retrofit critical facilities and infrastructure for county-owned properties and unincorporated areas.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	665.24
Watershed HUC# (if known)	06000108,06000108,06000107,06000109,06000106
County	Galveston

Existing 100-Year Flood Risk

Population at risk	102,739	# of structures	48,564	Critical facilities	680				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	3,415.79	Roadway(s) impacted (miles)	909.00						
Number of low water crossings	30	Historical road closures	30						

100-Year Flood Risk Reduction

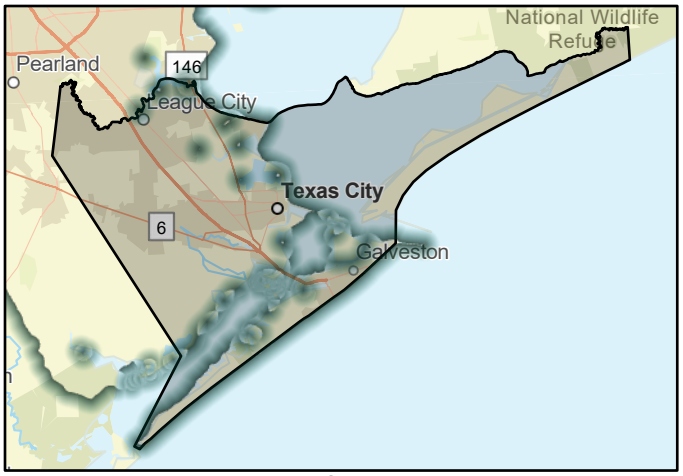
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Public Uplift	Reduction in # of road closures over 10 years	

Impacts

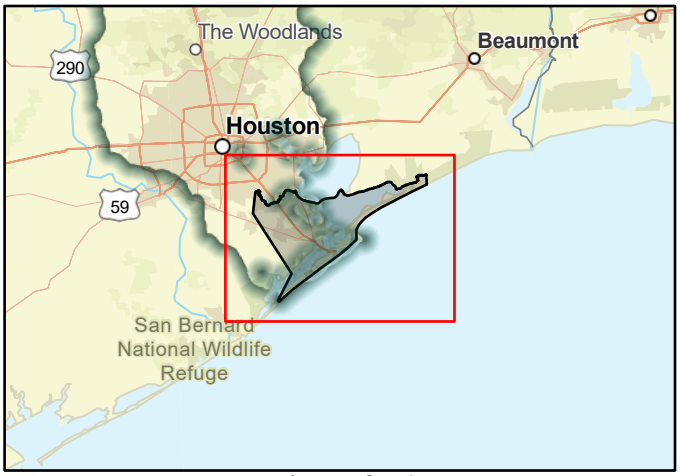
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	5,000,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Implement Stormwater Management Plan in City of Bayou Vista
ID#	062000026
Sponsor	06002806
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Regulatory and Guidance
Strategy description	Implement stormwater management plan to improve drainage during flood and other weather events.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	0.44
Watershed HUC# (if known)	06000107,06000107
County	Galveston

Existing 100-Year Flood Risk

Population at risk	1,476	# of structures	1,121	Critical facilities	3				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (miles)	8.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

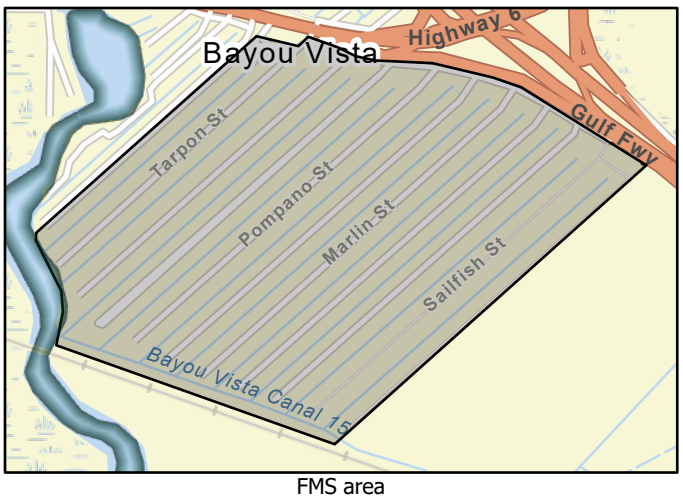
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	25,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Walker County Public Information and Awareness
ID#	062000027
Sponsor	00000053
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Flood Measurement and Warning
Strategy description	Purchase high water (flood) indicators for low water river crossing for county roads.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	797.69
Watershed HUC# (if known)	06000004,06000004,06000001,06000002,06000003,06000005,06000006,
County	Walker

Existing 100-Year Flood Risk

Population at risk	545	# of structures	505	Critical facilities	1				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	180.47	Roadway(s) impacted (miles)	25.00						
Number of low water crossings	2	Historical road closures	2						

100-Year Flood Risk Reduction

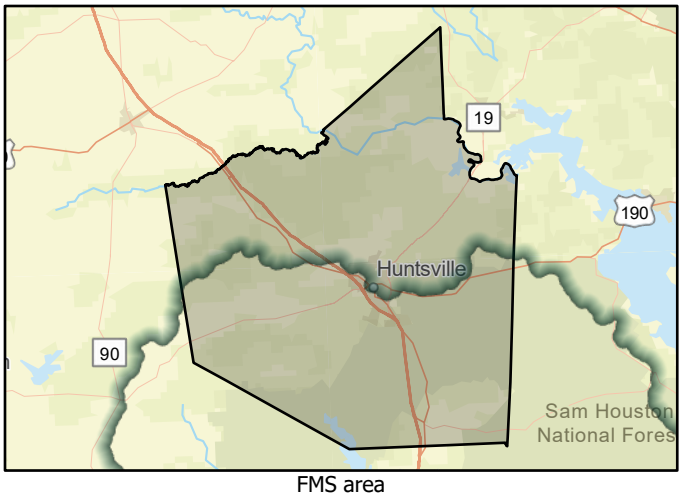
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

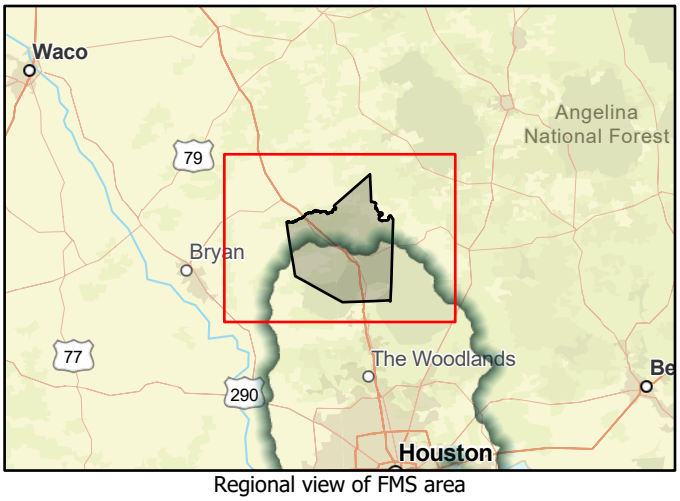
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	122,720.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Bayou Vista Severe Weather Warning Systems
ID#	062000028
Sponsor	06002806
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Flood Measurement and Warning
Strategy description	Purchase and install severe weather warning systems
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	0.44
Watershed HUC# (if known)	06000107,06000107
County	Galveston

Existing 100-Year Flood Risk

Population at risk	1,476	# of structures	1,121	Critical facilities	3				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (miles)	8.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

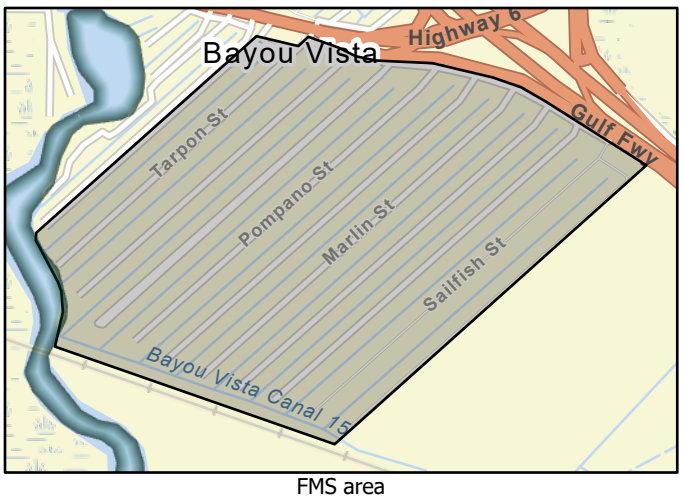
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	35,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Natural Infrastructure Project Barker Reservoir Headwater Acquisition and Restoration
ID#	062000029
Sponsor	00004002
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Property Acquisition and Structural Elevation
Strategy description	Purchase and restore agricultutal & natural lands at the headwater of Barker Reservoir. Manage land for agricultual use, restore native landscape like grasslands and wetlands, and enhance management practices. Provides natural flood mitigation benefits.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	06000028,06000028,06000071
Drainage area (mi², est.)	1.76
County	Waller

Existing 100-Year Flood Risk

Population at risk	0	# of structures	0	Critical facilities	0				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (miles)	0.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

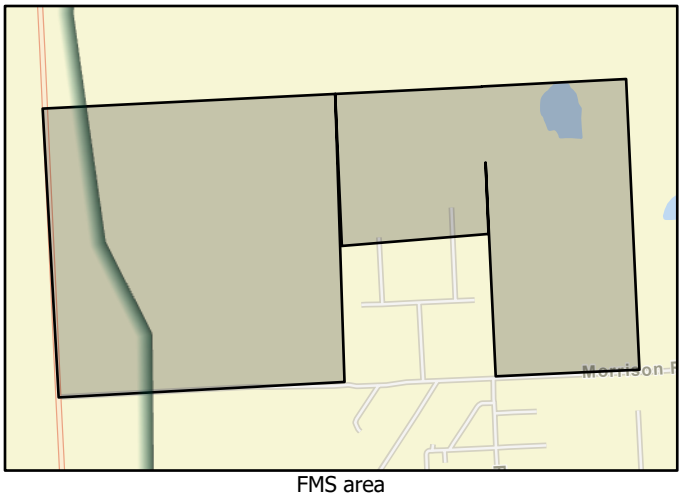
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Environmental, Low Impact Development Features	Reduction in # of road closures over 10 years	

Impacts

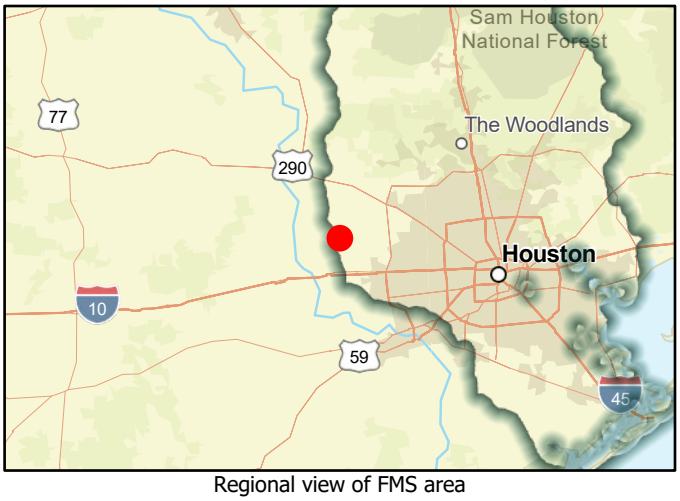
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	33,000,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Natural Infrastructure Project Mound Creek Conservation
ID#	062000030
Sponsor	00004002
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Property Acquisition and Structural Elevation
Strategy description	Purhase conservation easement from landowner to permanently conserve as agricultural/natural areas. KPC to ensure land remains undeveloped agriculutural land and maintain conservation. Would provide multiple benefits such as flood mitigation,
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	06000028,06000028,06000026
Drainage area (mi², est.)	3.29
County	Harris,Waller

Existing 100-Year Flood Risk

Population at risk	0	# of structures	0	Critical facilities	0				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	41.39	Roadway(s) impacted (miles)	0.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

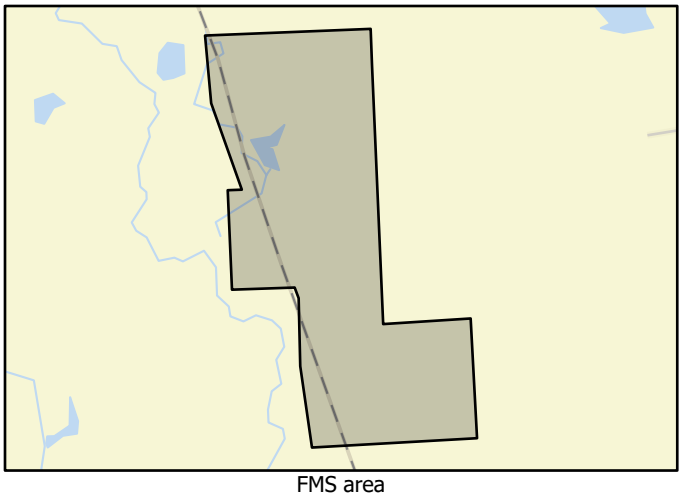
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Environmental	Reduction in # of road closures over 10 years	

Impacts

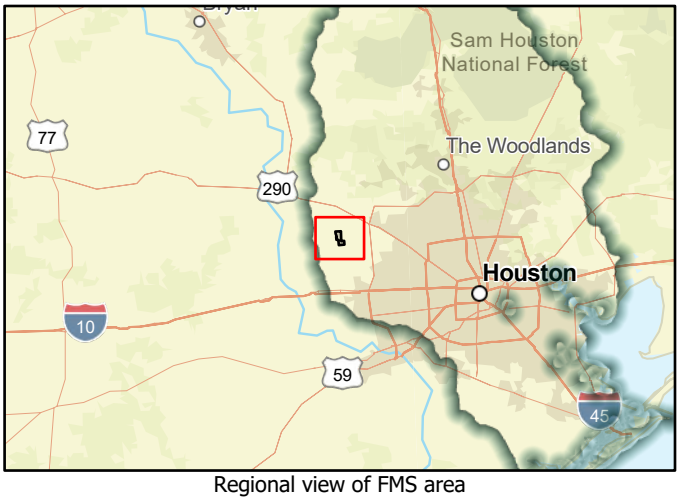
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	32,000,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Brazoria County Structure Elevation
ID#	062000031
Sponsor	00000003
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Property Acquisition and Structural Elevation
Strategy description	Elevate structures in flood zone. Over 70% of these structures are pre-firm and do not meet current FEMA elevation standards. FEMA estimates that over 400 structures may be substantially damaged and must be elevated to meet current standards.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	06000108,06000108,06000107,06000109,06000106
Drainage area (mi², est.)	1,481.87
County	Brazoria

Existing 100-Year Flood Risk

Population at risk	38,626	# of structures	18,848	Critical facilities	248				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	8,584.16	Roadway(s) impacted (miles)	328.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

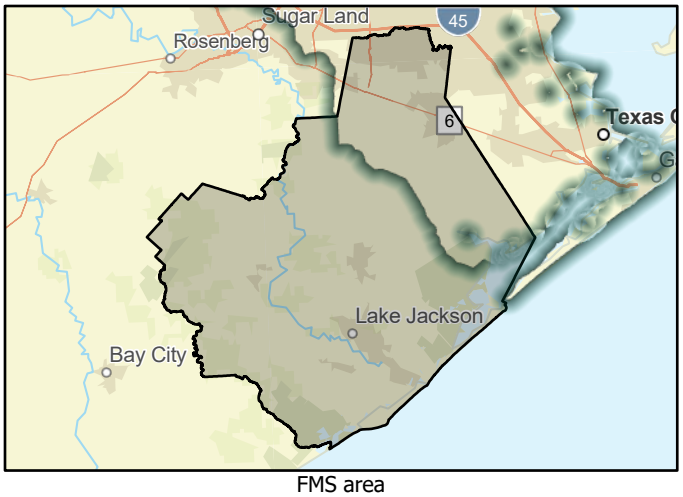
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

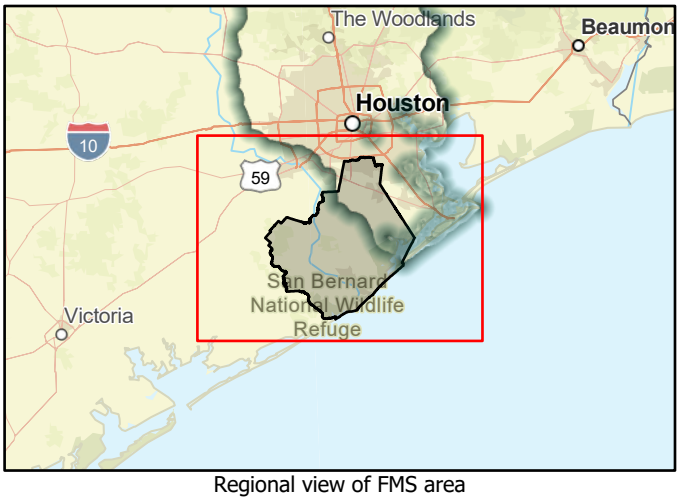
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	60,000,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Brazoria County Non-structural Mitigation / Land Preservation
ID#	062000032
Sponsor	00000003
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Property Acquisition and Structural Elevation
Strategy description	Up to 35,0000 acres of land could be purchased to help reduce the impacts of natrual hazards by converting the space to floodwater storage, groundwater recharge, erosion, drought mitigation, in the form of public green space.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	06000108,06000108,06000107,06000109,06000106
Drainage area (mi², est.)	1,481.87
County	Brazoria

Existing 100-Year Flood Risk

Population at risk	38,626	# of structures	18,848	Critical facilities	248				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	8,584.16	Roadway(s) impacted (miles)	328.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

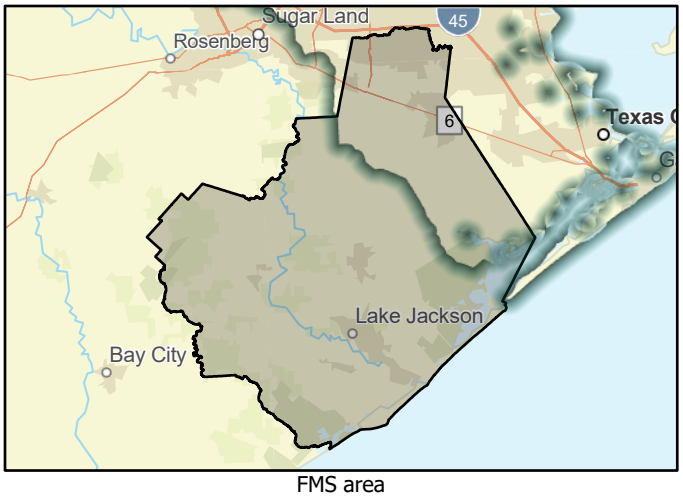
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Environmental, Low Impact Development Features	Reduction in # of road closures over 10 years	

Impacts

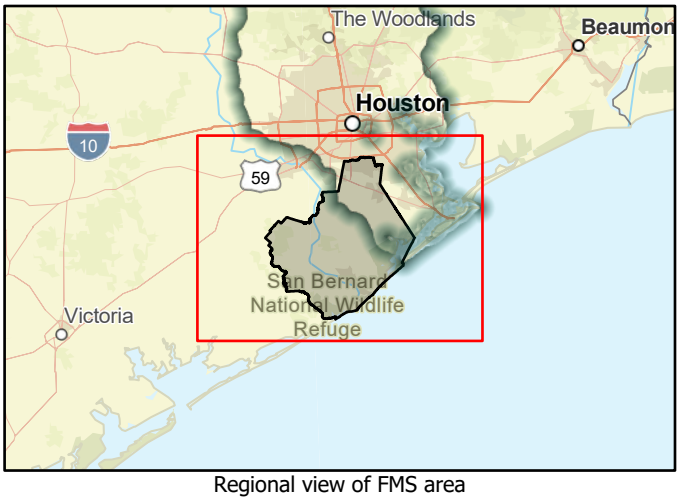
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	65,000,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Bellaire Flood Rescue Plan
ID#	062000033
Sponsor	06002854
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Regulatory and Guidance
Strategy description	Develop a plan to address rescues from both one-story and two-story homes. This includes evacuating disabled/physically impaired/elderly individuals from homes in advance of anticipated extreme rainfall events.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	06000084,06000084,06000083
Drainage area (mi², est.)	3.58
County	Harris

Existing 100-Year Flood Risk

Population at risk	25,741	# of structures	5,879	Critical facilities	71				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	0.15	Roadway(s) impacted (miles)	71.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

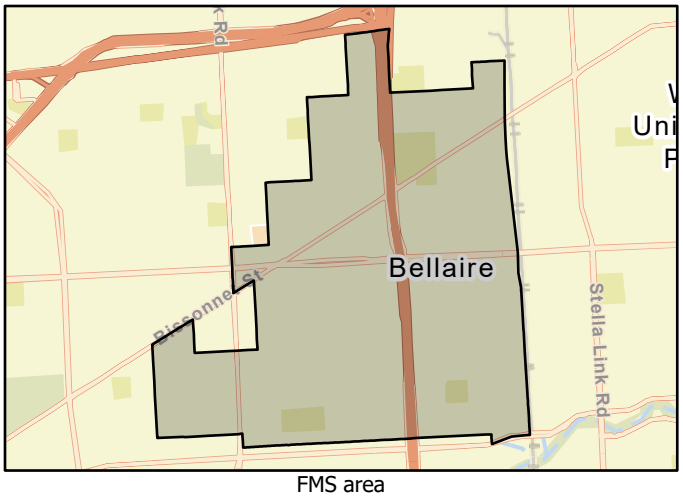
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	200,000.00	Amount of available funding	50,000.00	% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Brazoria County Dam and Levee Failure Outreach and Education campaign
ID#	062000034
Sponsor	00000003
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Education and Outreach
Strategy description	Implement an outreach and education campaign to educate the public on mitigation techniques for dam and levee failure to reduce loss of life and property.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	06000108,06000108,06000107,06000109,06000106
Drainage area (mi², est.)	1,481.87
County	Brazoria

Existing 100-Year Flood Risk

Population at risk	38,626	# of structures	18,848	Critical facilities	248				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	8,584.16	Roadway(s) impacted (miles)	328.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

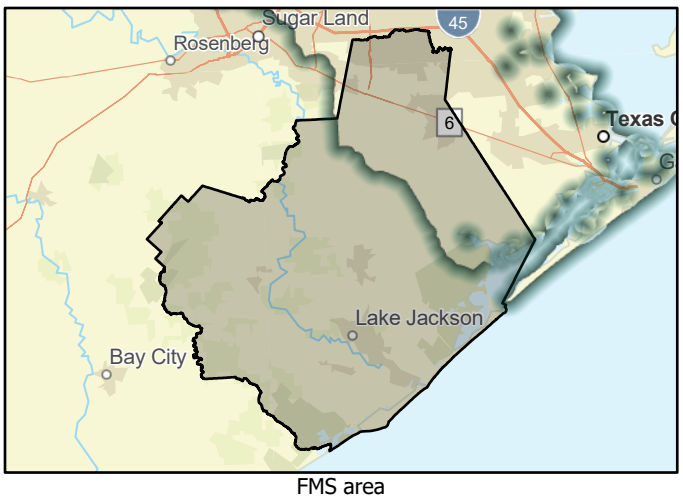
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Public Education	Reduction in # of road closures over 10 years	

Impacts

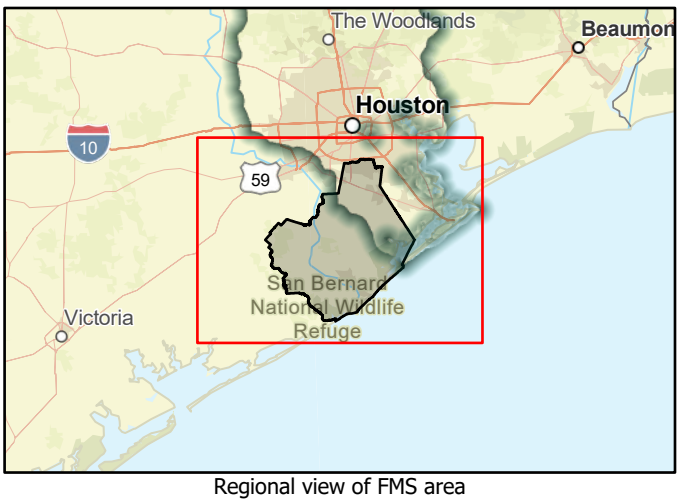
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	20,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Amending Grimes County Floodplain Ordinance
ID#	062000035
Sponsor	00000044
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Regulatory and Guidance
Strategy description	Prohibit the building of any new structures located down-stream of high hazard dams by amending the floodplain ordinance.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	798.87
Watershed HUC# (if known)	06000001,06000001,06000012,06000013,06000014,06000003,06000015,
County	Grimes

Existing 100-Year Flood Risk

Population at risk	95	# of structures	145	Critical facilities	0				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	151.27	Roadway(s) impacted (miles)	11.00						
Number of low water crossings	1	Historical road closures	1						

100-Year Flood Risk Reduction

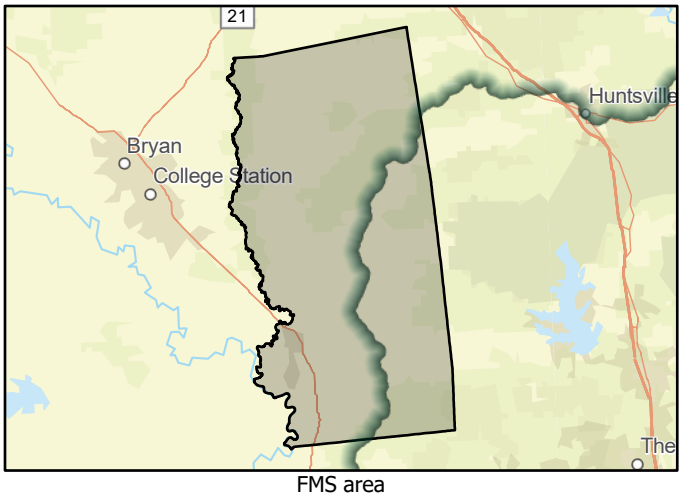
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

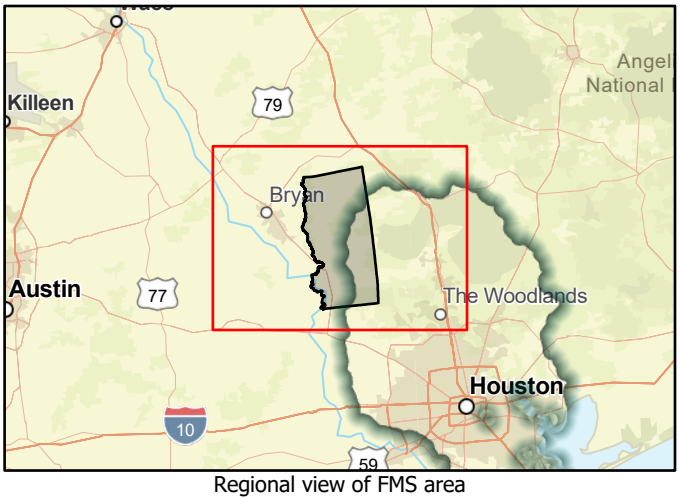
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	20,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Grimes County Property Acquisition
ID#	062000036
Sponsor	00000044
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Property Acquisition and Structural Elevation
Strategy description	Per NFIP participation, the acquisition of structures located in the 100-year flood plain and in dam inundation areas.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	798.87
Watershed HUC# (if known)	06000001,06000001,06000012,06000013,06000014,06000003,06000015,
County	Grimes

Existing 100-Year Flood Risk

Population at risk	95	# of structures	145	Critical facilities	0				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	151.27	Roadway(s) impacted (miles)	11.00						
Number of low water crossings	1	Historical road closures	1						

100-Year Flood Risk Reduction

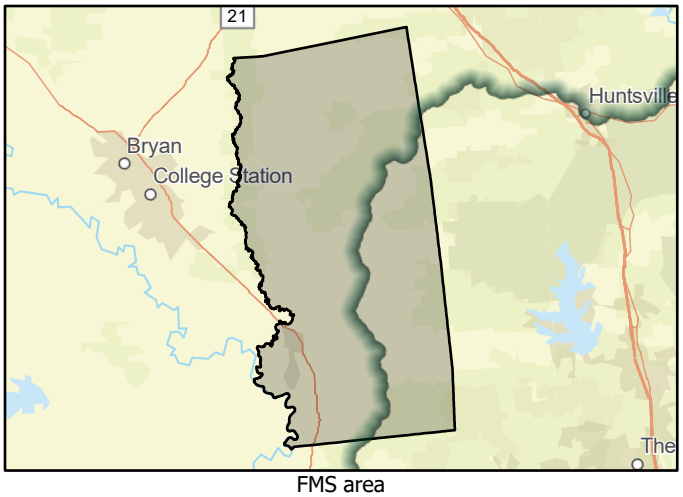
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

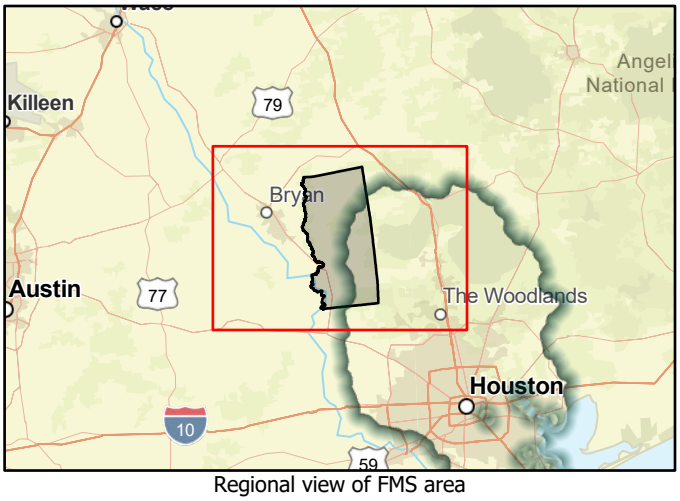
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	95,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Property Acquisition Down-Stream of High Hazard Dams in Grimes County
ID#	062000037
Sponsor	00000044
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Property Acquisition and Structural Elevation
Strategy description	Acquire homes located down-stream of high hazard dams.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	798.87
Watershed HUC# (if known)	06000001,06000001,06000012,06000013,06000014,06000003,06000015,
County	Grimes

Existing 100-Year Flood Risk

Population at risk	95	# of structures	145	Critical facilities	0				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	151.27	Roadway(s) impacted (miles)	11.00						
Number of low water crossings	1	Historical road closures	1						

100-Year Flood Risk Reduction

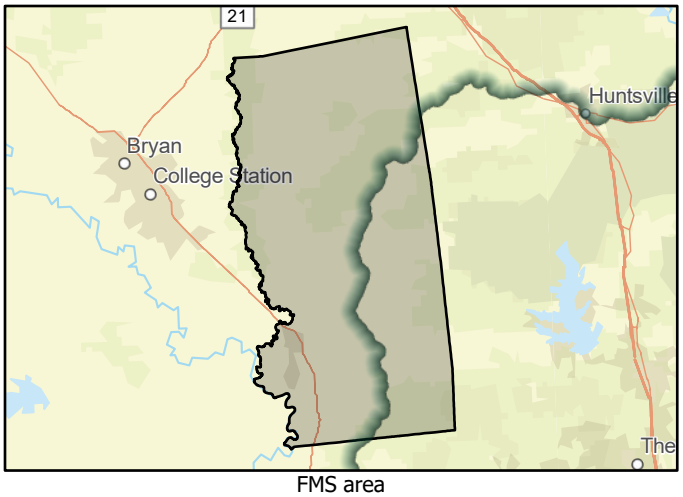
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

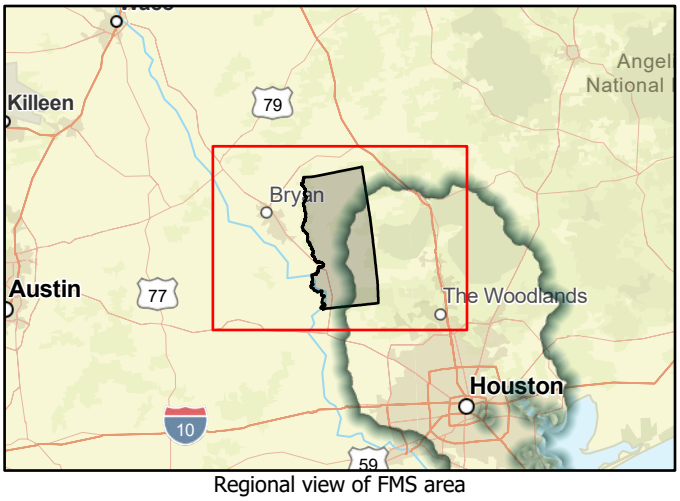
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	1,000,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Santa Fe Stormproof/retrofit New Critical Infrastructure
ID#	062000039
Sponsor	06003149
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Regulatory and Guidance
Strategy description	New construction and existing critical facilities and infrastructure should include advanced mitigation techniques.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	17.04
Watershed HUC# (if known)	06000108,06000108,06000107
County	Galveston

Existing 100-Year Flood Risk

Population at risk	748	# of structures	400	Critical facilities	1				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	12.12	Roadway(s) impacted (miles)	4.00						
Number of low water crossings	9	Historical road closures	9						

100-Year Flood Risk Reduction

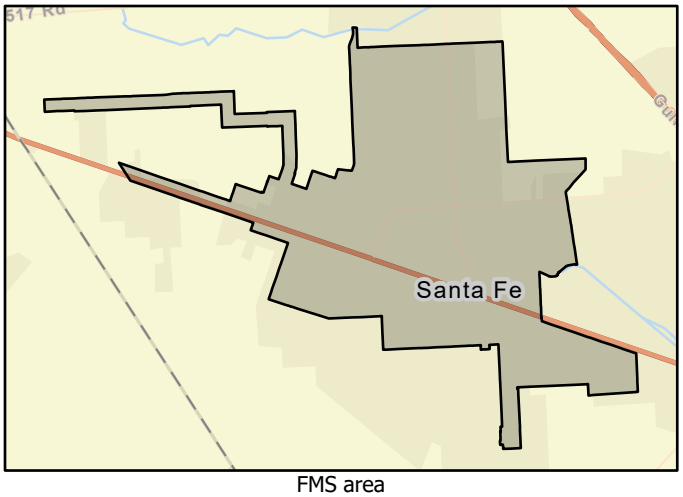
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	5,000,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Waller County Drainage System Maintenance
ID#	062000040
Sponsor	00000024
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Infrastructure Projects
Strategy description	Project will clear obstacles, widen and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding in all participating jurisdictions.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	515.95
Watershed HUC# (if known)	06000027,06000027,06000028,06000036,06000026,06000033,06000034,
County	Waller

Existing 100-Year Flood Risk

Population at risk	1,859	# of structures	1,067	Critical facilities	6				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	1,357.32	Roadway(s) impacted (miles)	41.00						
Number of low water crossings	19	Historical road closures	19						

100-Year Flood Risk Reduction

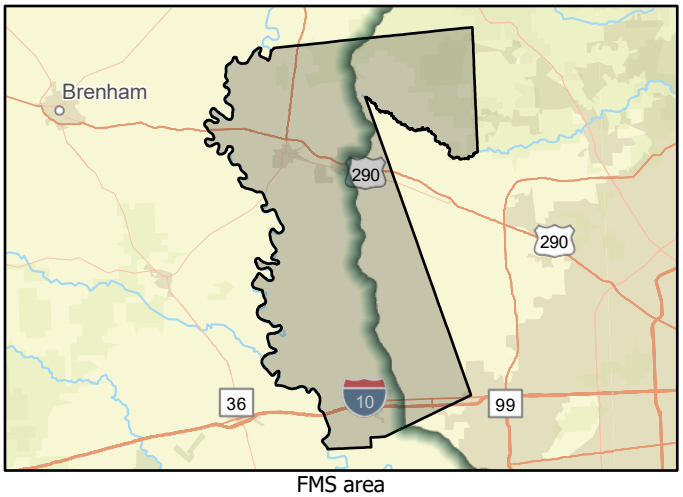
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	2,500,000.00	Amount of available funding	1,250,000.00	% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Waller County Flood Hazard Public Information Campaign		
ID#	062000041	Sponsor	00000024
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Education and Outreach
Strategy description	Posting of signage at high profile locations and use of social media to communicate threats/concers. Flood gauges for common flooded road crossings. Burn ban signs.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	515.95
Watershed HUC# (if known)	06000027,06000027,06000028,06000036,06000026,06000033,06000034,
County	Waller

Existing 100-Year Flood Risk

Population at risk	1,859	# of structures	1,067	Critical facilities	6				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	1,357.32	Roadway(s) impacted (miles)	41.00						
Number of low water crossings	19	Historical road closures	19						

100-Year Flood Risk Reduction

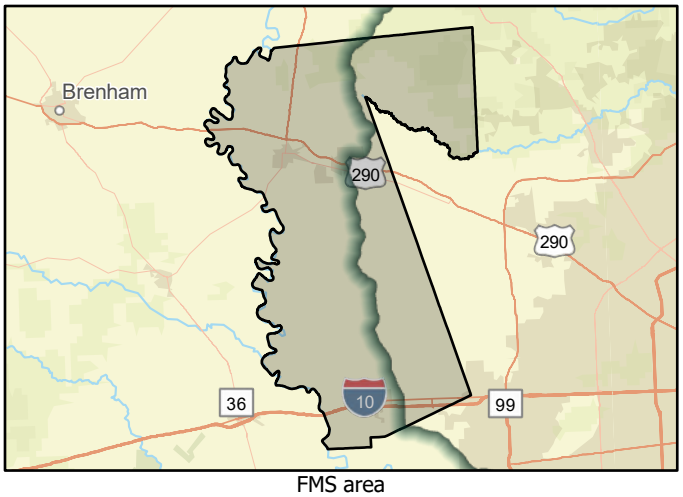
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Public Education	Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	20,000.00	Amount of available funding	10,000.00	% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Waller County Freeboard Requirement Update		
ID#	062000042	Sponsor	00000024
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Regulatory and Guidance
Strategy description	The county may increase its freeboard requirement to 24-in from 18-in above the base flood elevation. County may require that all new lots within a platted subdivision be located fully outside of the floodplain. Applicable to all floodplain development.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	06000027,06000027,06000028,06000036,06000026,06000033,06000034,
Drainage area (mi², est.)	515.95
County	Waller

Existing 100-Year Flood Risk

Population at risk	1,859	# of structures	1,067	Critical facilities	6				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	1,357.32	Roadway(s) impacted (miles)	41.00						
Number of low water crossings	19	Historical road closures	19						

100-Year Flood Risk Reduction

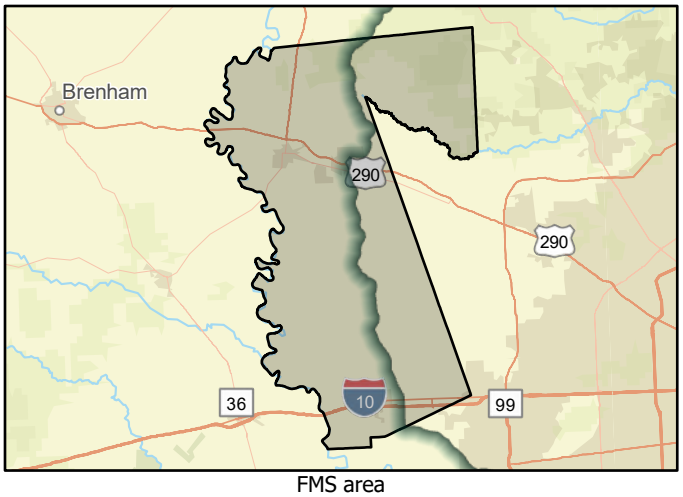
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	100,000.00	Amount of available funding	100,000.00	% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Install Outdoor Early warning System in Walker County
ID#	062000043
Sponsor	00000053
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Education and Outreach
Strategy description	Install Outdoor Early warning System to provide citizens early warning of an impending disaster, or an event that would affect the life and/or property of the citizens.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	797.84
Watershed HUC# (if known)	06000004,06000004,06000001,06000002,06000003,06000005,06000006,
County	Walker

Existing 100-Year Flood Risk

Population at risk	545	# of structures	505	Critical facilities	1				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	180.46	Roadway(s) impacted (miles)	25.00						
Number of low water crossings	2	Historical road closures	2						

100-Year Flood Risk Reduction

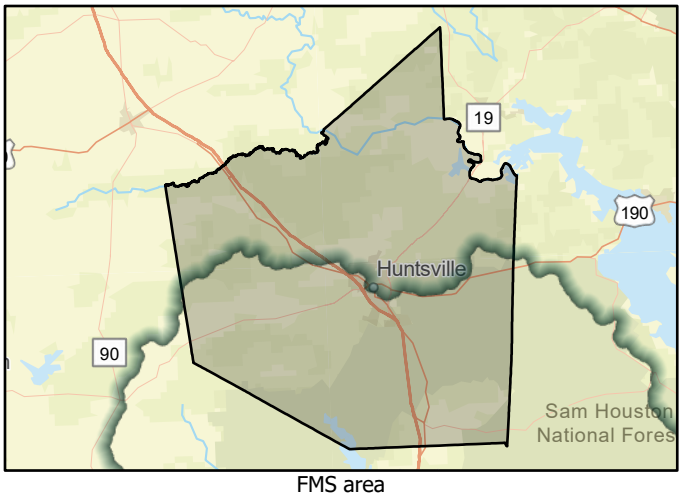
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Public Education	Reduction in # of road closures over 10 years	

Impacts

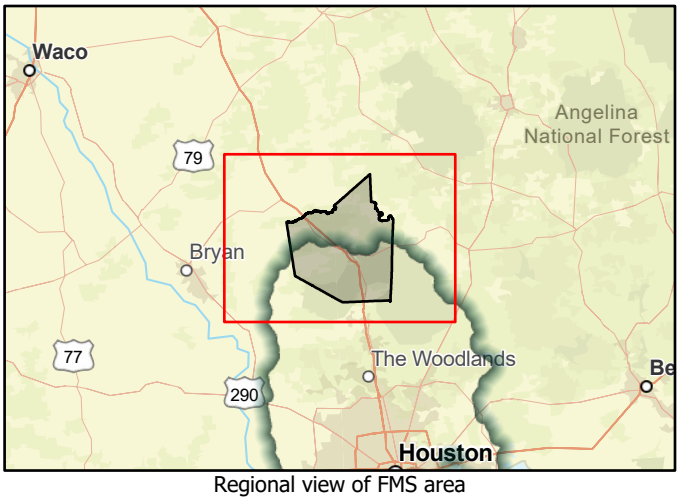
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	850,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Walker County Public Hazard Information and Awareness Campaign
ID#	062000044
Sponsor	00000053
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Education and Outreach
Strategy description	The county and participating jurisdiction will create and implement an education campaign to educate the public on mitigation techniques for all hazards.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	797.84
Watershed HUC# (if known)	06000004,06000004,06000001,06000002,06000003,06000005,06000006,
County	Walker

Existing 100-Year Flood Risk

Population at risk	545	# of structures	505	Critical facilities	1				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	180.46	Roadway(s) impacted (miles)	25.00						
Number of low water crossings	2	Historical road closures	2						

100-Year Flood Risk Reduction

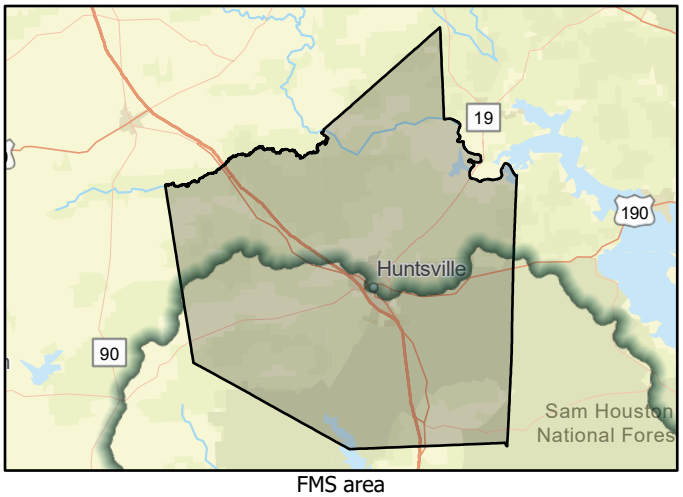
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Public Education	Reduction in # of road closures over 10 years	

Impacts

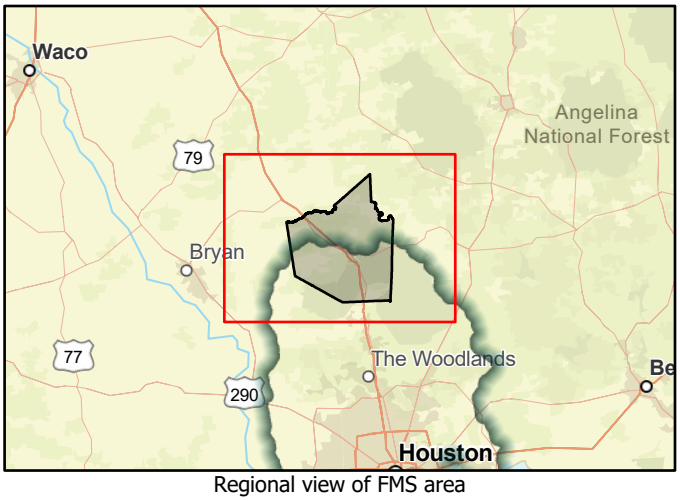
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	20,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Retrofit and Harden the Emergency Operations Center Serving Walker County
ID#	062000045
Sponsor	00000053
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Education and Outreach
Strategy description	Retrofit and harden the Emergency Operations Center serving Walker county including city of Huntsville, New Waverly, and Riverside.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	06000004,06000004,06000001,06000002,06000003,06000005,06000006,
Drainage area (mi², est.)	797.84
County	Walker

Existing 100-Year Flood Risk

Population at risk	545	# of structures	505	Critical facilities	1				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	180.46	Roadway(s) impacted (miles)	25.00						
Number of low water crossings	2	Historical road closures	2						

100-Year Flood Risk Reduction

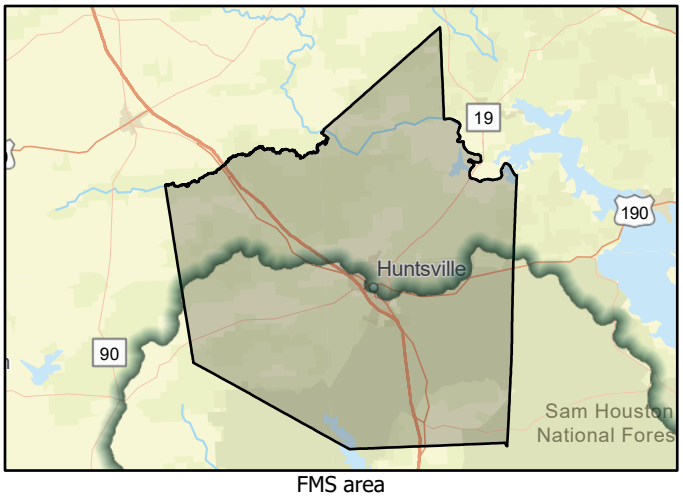
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Public Uplift	Reduction in # of road closures over 10 years	

Impacts

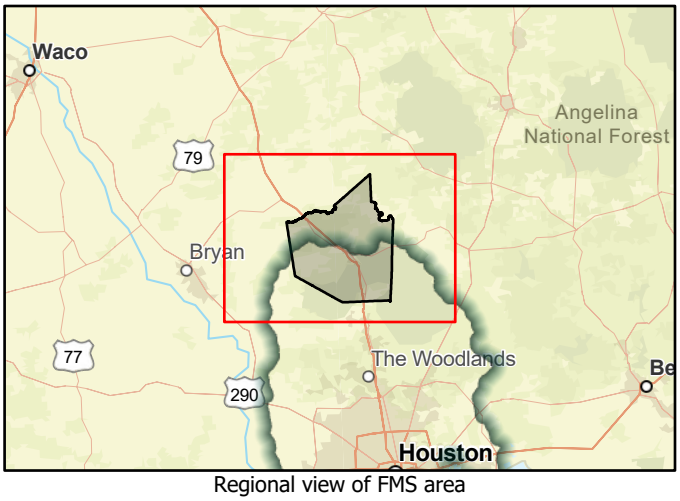
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	4,000,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Cleveland Drainage Maintenance
ID#	062000046
Sponsor	06002530
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Infrastructure Projects
Strategy description	Removal of debris, silt and vegetation obstacles in drainageways. Project will clear obstacles, mow and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	18.74
Watershed HUC# (if known)	06000056,06000056,06000053,06000054,06000058,06000057,06000069
County	Liberty,Montgomery,San Jacinto

Existing 100-Year Flood Risk

Population at risk	1,037	# of structures	261	Critical facilities	0				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	28.88	Roadway(s) impacted (miles)	27.00						
Number of low water crossings	1	Historical road closures	1						

100-Year Flood Risk Reduction

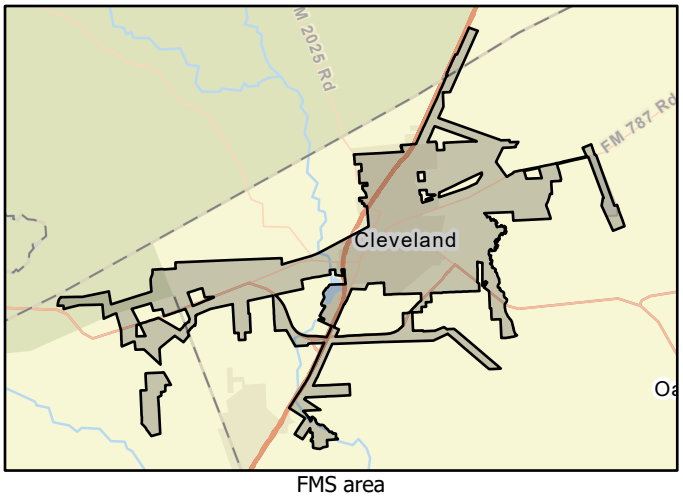
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Environmental	Reduction in # of road closures over 10 years	

Impacts

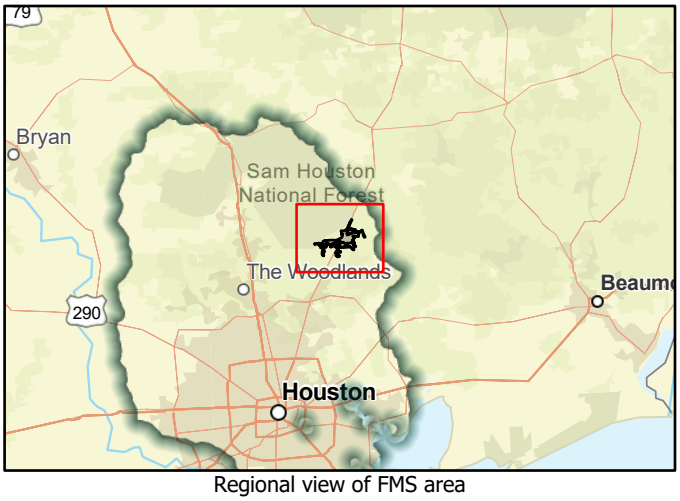
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	5,000,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Hilcrest Village Land Acquisition
ID#	062000047
Sponsor	06003026
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Property Acquisition and Structural Elevation
Strategy description	Purchase additional land for retention pond construction to mitigate flooding in flood zones.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	0.44
Watershed HUC# (if known)	06000109,06000109
County	Brazoria

Existing 100-Year Flood Risk

Population at risk	333	# of structures	128	Critical facilities	1				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	0.13	Roadway(s) impacted (miles)	2.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	250,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Manvel Propery Acquisition
ID#	062000048
Sponsor	06002985
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Property Acquisition and Structural Elevation
Strategy description	Acquire Repetitive Loss (RL) and Severe Repetitive Loss (SRL) properties in the 100-year flood plain, as identified by FEMA and NFIP.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	06000107,06000107,06000109,06000106
Drainage area (mi², est.)	27.41
County	Brazoria

Existing 100-Year Flood Risk

Population at risk	6,741	# of structures	1,250	Critical facilities	8				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	178.80	Roadway(s) impacted (miles)	43.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

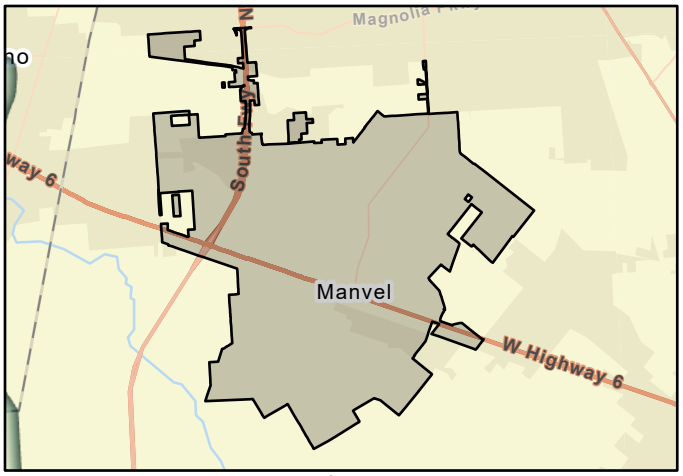
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

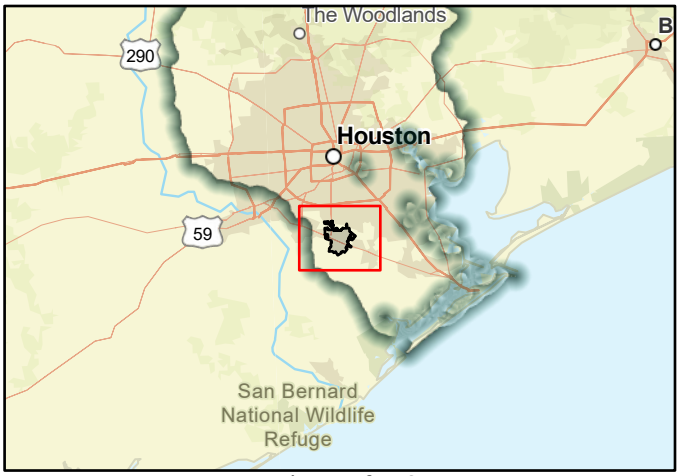
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	1,700,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Bellaire Flood Early Warning System
ID#	062000049
Sponsor	06002854
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Flood Measurement and Warning
Strategy description	Develop Flood Early Warning System for the City of Bellaire to inform emergency responders and to assist residents in making safe decisions during major storm events.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	3.58
Watershed HUC# (if known)	06000084,06000084,06000083
County	Harris

Existing 100-Year Flood Risk

Population at risk	25,741	# of structures	5,879	Critical facilities	71				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	0.15	Roadway(s) impacted (miles)	71.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

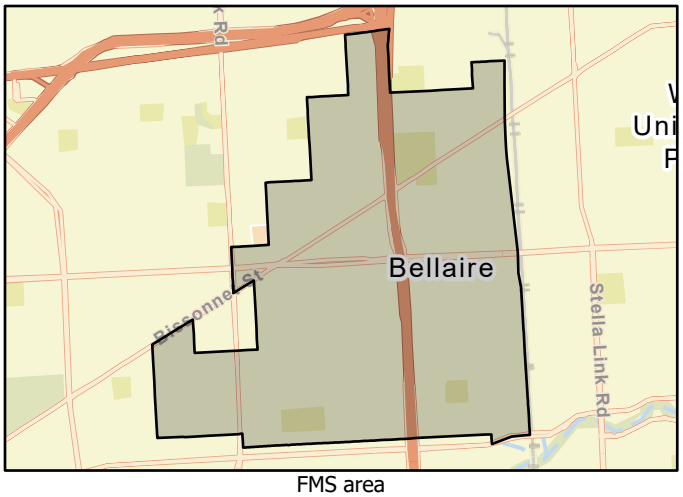
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	150,000.00	Amount of available funding	37,500.00	% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Bayou Vista Management Practices for Securing Windblown Debris in Canals		
ID#	062000050	Sponsor	06002806
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Infrastructure Projects		
Strategy description	Debris generated by many hazards if the level of intensity allows. Implement plan to remove debris throughout the canal system especially since Bayou Vista is a residential canal community.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999		
Watershed HUC# (if known)	06000107,06000107	Drainage area (mi², est.)	0.45
		County	Galveston

Existing 100-Year Flood Risk

Population at risk	1,476	# of structures	1,122	Critical facilities	3				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (miles)	8.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

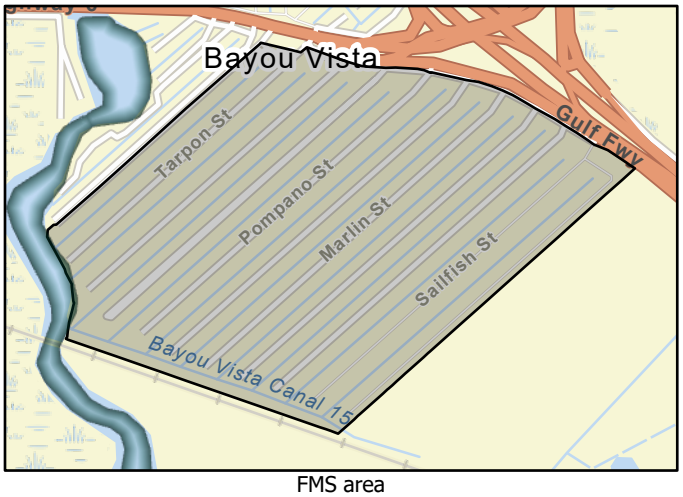
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Environmental	Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	100,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Maintain Drainage Systems and Culverts in City of Friendswood
ID#	062000051
Sponsor	06002833
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Infrastructure Projects
Strategy description	Clean & recut drainage ditches, complete work orders related to conveyance systems. Pursue sub-regional drainage improvements.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	20.83
Watershed HUC# (if known)	06000107,06000107,06000106
County	Galveston,Harris

Existing 100-Year Flood Risk

Population at risk	4,640	# of structures	1,680	Critical facilities	2				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	18.37	Roadway(s) impacted (miles)	38.00						
Number of low water crossings	5	Historical road closures	5						

100-Year Flood Risk Reduction

Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

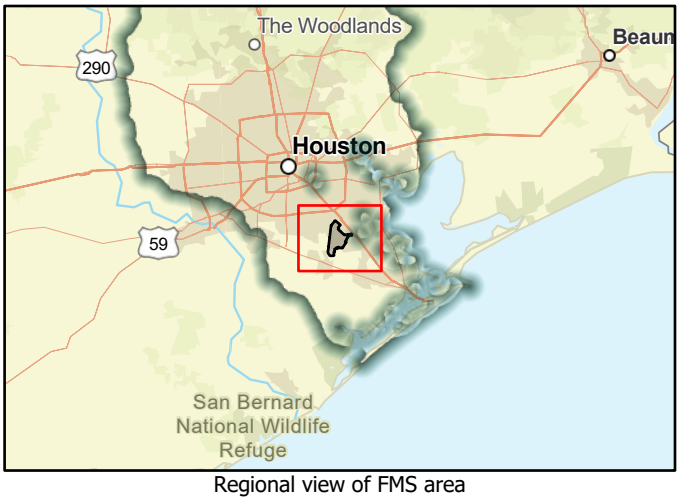
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	1,400,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of League City Property Acquisition and Relocation
ID#	062000052
Sponsor	06003147
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Property Acquisition and Structural Elevation
Strategy description	Buying and removing property from the floodplain will reduce long-term, repetitive flood loss. The open space created by the removal of insured property will facilitate drainage and allow for the creation of recreation areas.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	52.89
Watershed HUC# (if known)	06000107,06000107,06000106
County	Galveston,Harris

Existing 100-Year Flood Risk

Population at risk	13,675	# of structures	5,251	Critical facilities	25				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	1,308.19	Roadway(s) impacted (miles)	105.00						
Number of low water crossings	2	Historical road closures	2						

100-Year Flood Risk Reduction

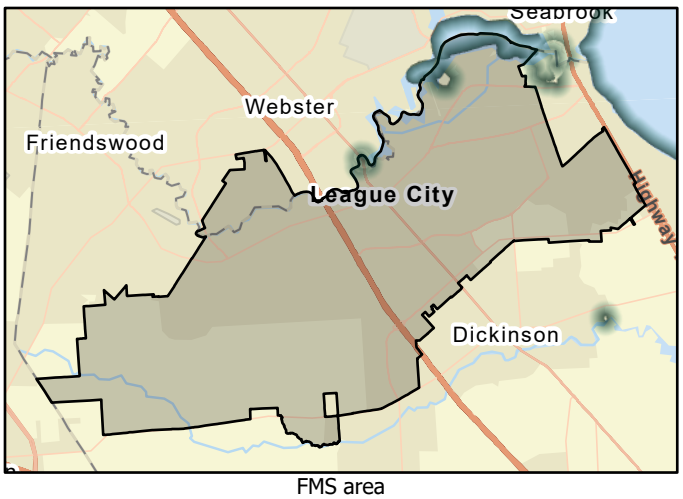
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Environmental	Reduction in # of road closures over 10 years	

Impacts

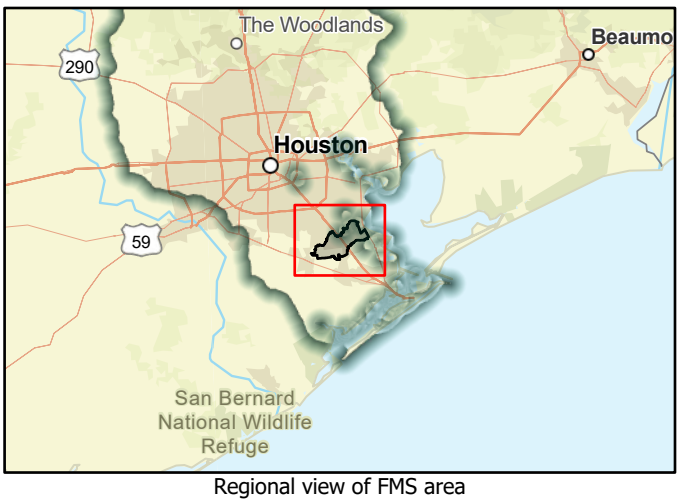
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	300,000,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Santa Fe - Harden Existing Critical Facilites and Infrastructure
ID#	062000053
Sponsor	06003149
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Infrastructure Projects
Strategy description	Harden existing critical facilites and infrastructure. Specifically City Hall, Maintenance Building, Library, and Community Center.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	17.04
Watershed HUC# (if known)	06000108,06000108,06000107
County	Galveston

Existing 100-Year Flood Risk

Population at risk	748	# of structures	400	Critical facilities	1				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	12.12	Roadway(s) impacted (miles)	4.00						
Number of low water crossings	9	Historical road closures	9						

100-Year Flood Risk Reduction

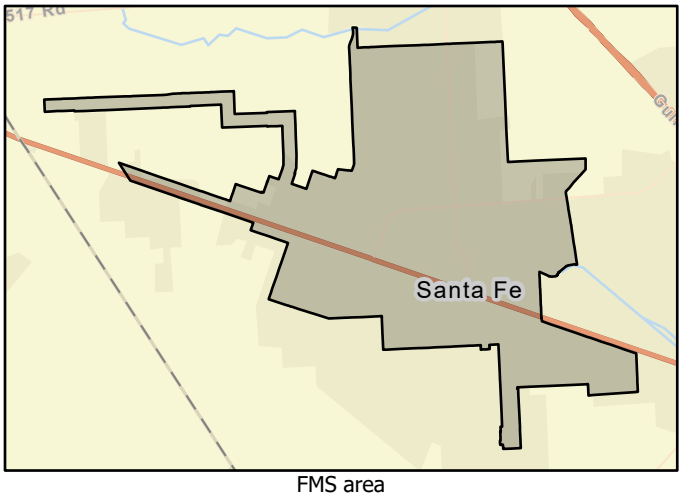
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Public Uplift	Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	2,000,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Santa Fe - Drainge System Maintenance
ID#	062000054
Sponsor	06003149
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Infrastructure Projects
Strategy description	Keep areas of concern free of unnecessary debris as needed. Implement and maintain tree, vegetation trimming/removal near, infrastructure, drainage systems and roadside areas.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	17.04
Watershed HUC# (if known)	06000108,06000108,06000107
County	Galveston

Existing 100-Year Flood Risk

Population at risk	748	# of structures	400	Critical facilities	1				
Flood risk type:	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	12.12	Roadway(s) impacted (miles)	4.00						
Number of low water crossings	9	Historical road closures	9						

100-Year Flood Risk Reduction

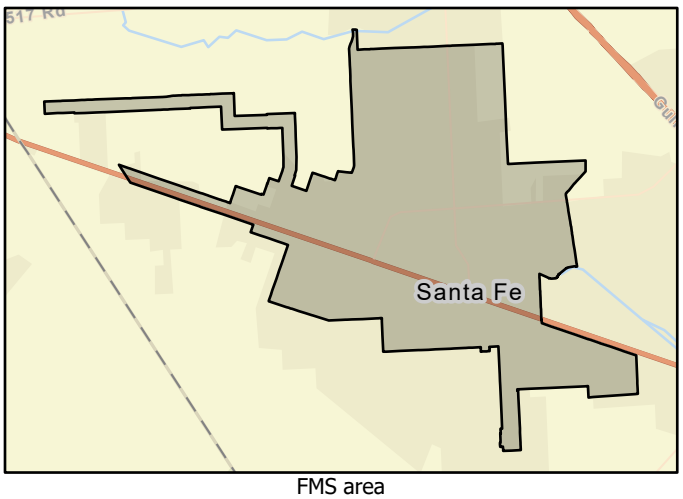
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Environmental	Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	5,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Liberty County Floodplain Acquistion		
ID#	062000055	Sponsor	00000033
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Property Acquisition and Structural Elevation
Strategy description	Acquisition of property in the floodplain.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	664.95
Watershed HUC# (if known)	06000108,06000108,06000107,06000109,06000106
County	Liberty

Existing 100-Year Flood Risk

Population at risk	102,755	# of structures	48,570	Critical facilities	681				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	3,412.02	Roadway(s) impacted (miles)	910.00						
Number of low water crossings	30	Historical road closures	30						

100-Year Flood Risk Reduction

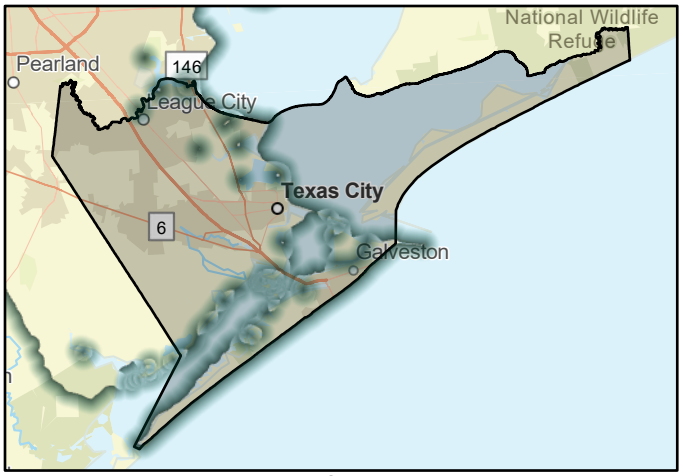
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

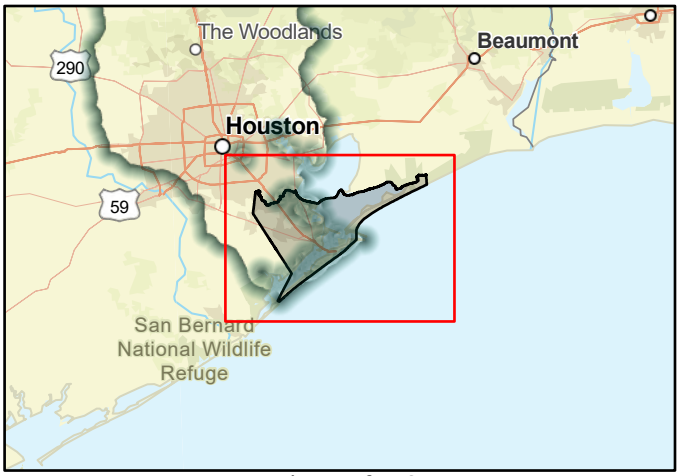
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	750,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Galveston Floodplain Manager Increase
ID#	062000056
Sponsor	06002809
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Regulatory and Guidance
Strategy description	Increase and maintain number of floodplain managers in the building division through training and certification.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	06000108,06000108,06000107,06000109,06000110
Drainage area (mi², est.)	211.08
County	Galveston

Existing 100-Year Flood Risk

Population at risk	64,300	# of structures	21,858	Critical facilities	509				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	260.88	Roadway(s) impacted (miles)	409.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

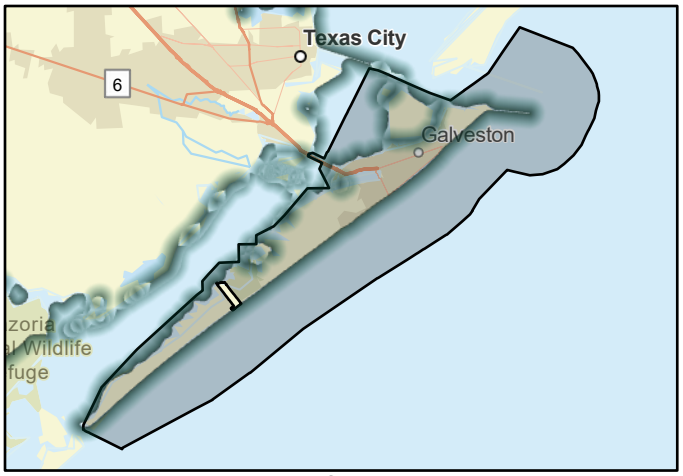
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

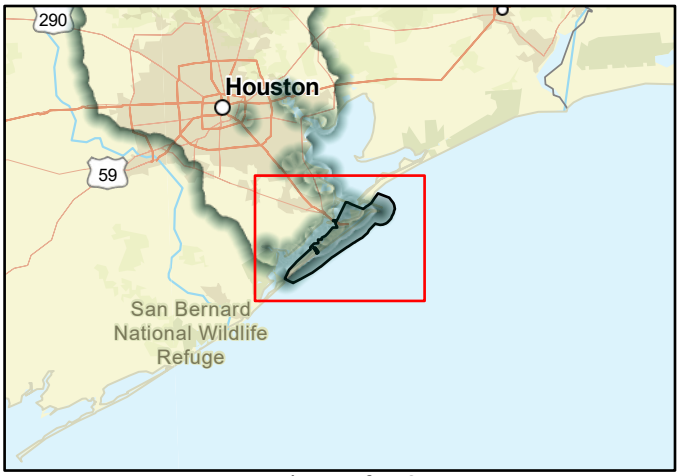
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	10,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Galveston SRL and RL Property Mitigation
ID#	062000057
Sponsor	06002809
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Property Acquisition and Structural Elevation
Strategy description	Elevation, acquisition or other mitigation of identified Repetitive Loss and Severe Repeditive Loss properties and structures damaged by flooding.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	06000108,06000108,06000107,06000109,06000110
Drainage area (mi², est.)	211.08
County	Galveston

Existing 100-Year Flood Risk

Population at risk	64,300	# of structures	21,858	Critical facilities	509				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	260.88	Roadway(s) impacted (miles)	409.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

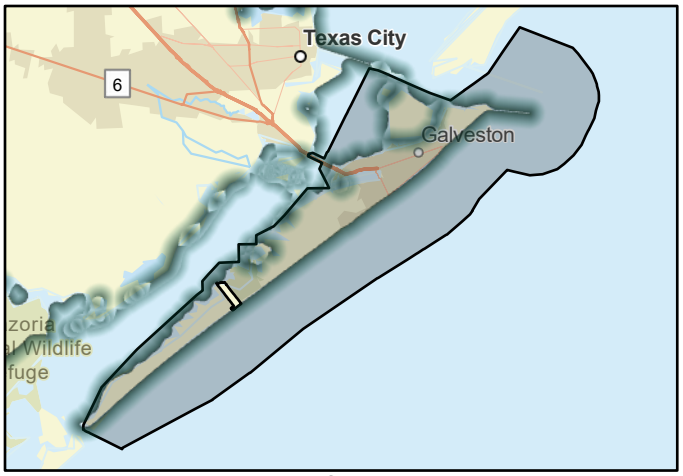
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

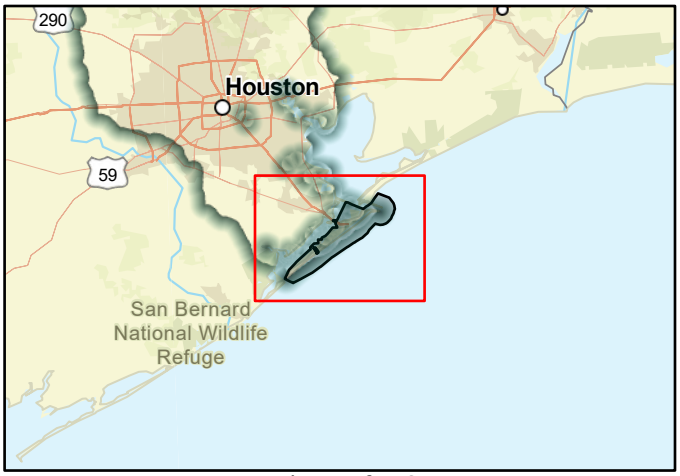
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	80,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Bunker Hill Village Non-Structural Mitigation Projects
ID#	062000058
Sponsor	06002856
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Other
Strategy description	Non-structural mitigation measure - buried powerlines, tree management and generators
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	1.44
Watershed HUC# (if known)	06000080,06000080
County	Harris

Existing 100-Year Flood Risk

Population at risk	0	# of structures	0	Critical facilities	0				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	0.00	Roadway(s) impacted (miles)	0.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

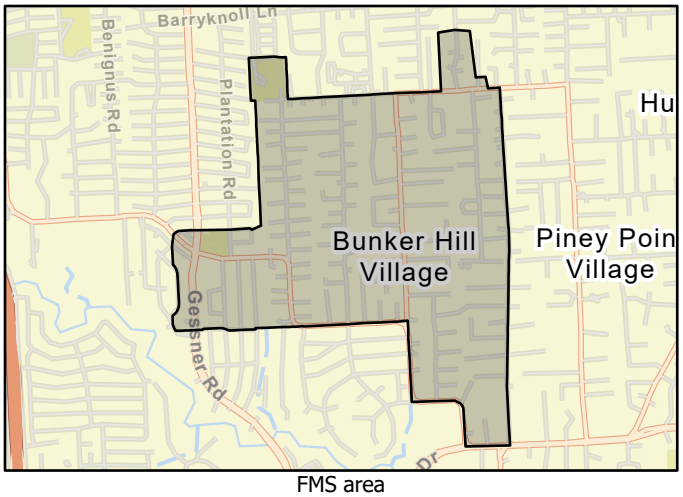
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Low Impact Development Features	Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	100,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Hardening of Critical Facilites in City of Mission Todd
ID#	062000059
Sponsor	06003415
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Infrastructure Projects
Strategy description	Protecting critical facilities such as hospitals, fire stations, police stations and water treatment plants can help keep them operational during severe storms.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	06000035,06000035,06000038
Drainage area (mi², est.)	2.00
County	Grimes

Existing 100-Year Flood Risk

Population at risk	16	# of structures	17	Critical facilities	0				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	1.12	Roadway(s) impacted (miles)	0.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	25,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Harris County Mitigation Buyout and Relocation Program
ID#	062000060
Sponsor	00000020
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Property Acquisition and Structural Elevation
Strategy description	This program is designed to assist owners whose properties were damaged by a natural disaster and or in an area that is designated hopelessly deep in the floodplain and repetitively flooded, to relocate outside the threat of flooding.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	999999
Drainage area (mi², est.)	1,770.82
County	Harris

Existing 100-Year Flood Risk

Population at risk	590,954	# of structures	143,642	Critical facilities	2,332				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	5,993.47	Roadway(s) impacted (miles)	2,408.00						
Number of low water crossings	89	Historical road closures	89						

100-Year Flood Risk Reduction

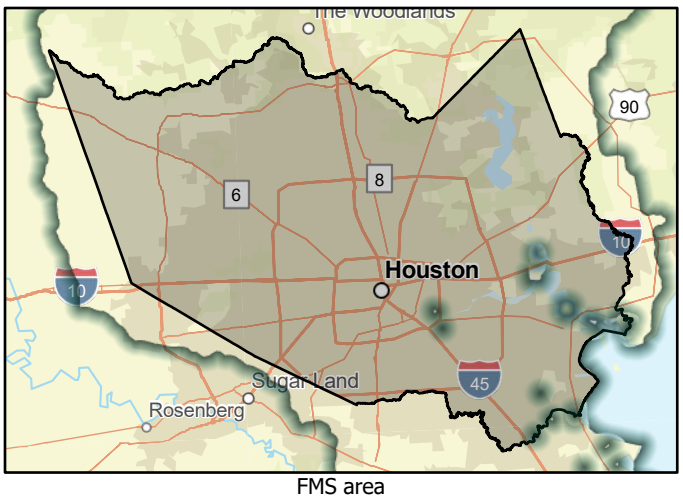
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Public Uplift	Reduction in # of road closures over 10 years	

Impacts

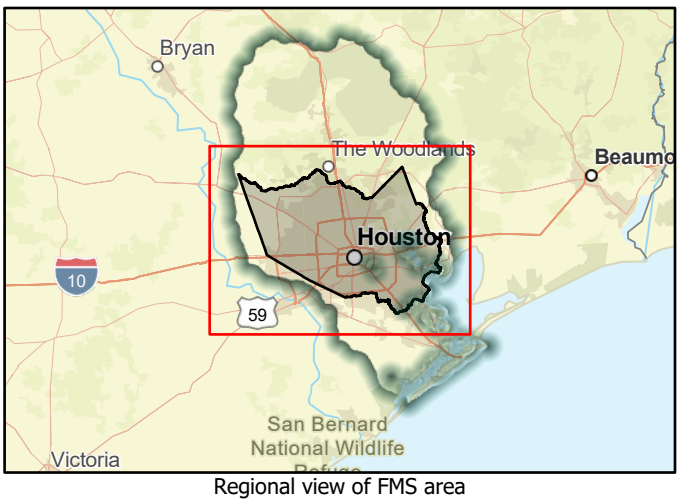
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	75,000,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Alvin Full Time Floodplain Administrator
ID#	062000061
Sponsor	00003020
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Regulatory and Guidance
Strategy description	Hire a full-time floodplain administrator who can support CRS application, NFIP, mapping and community floodplain support. A dedicated employee could help the community obtain CRS status and full time flood plain support.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	06000108,06000108,06000107,06000109,06000106
Drainage area (mi², est.)	25.09
County	Brazoria,Galveston,Fort Bend

Existing 100-Year Flood Risk

Population at risk	15,192	# of structures	3,445	Critical facilities	18				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	262.30	Roadway(s) impacted (miles)	57.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

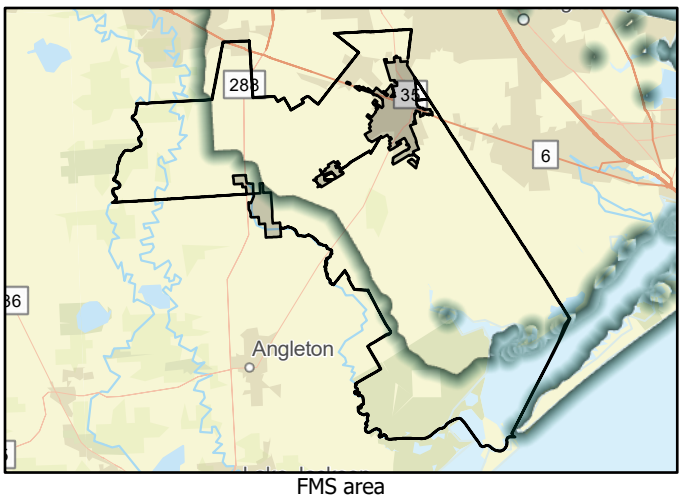
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

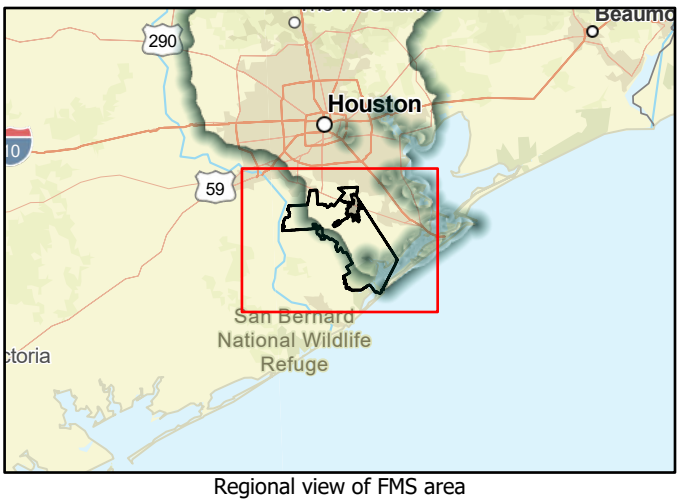
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	100,000.00	Amount of available funding	100,000.00	% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	City of Pearland SRL and RL Property Acquisition
ID#	062000062
Sponsor	06002790
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Property Acquisition and Structural Elevation
Strategy description	Continue working with County and State officials to identify repetitive loss and severe repetitive loss properties, and pursue mitigation projects to reduce risk.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	48.68
Watershed HUC# (if known)	06000085,06000085,06000107,06000109,06000106
County	Brazoria,Fort Bend,Harris

Existing 100-Year Flood Risk

Population at risk	11,939	# of structures	4,791	Critical facilities	22				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	137.47	Roadway(s) impacted (miles)	76.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

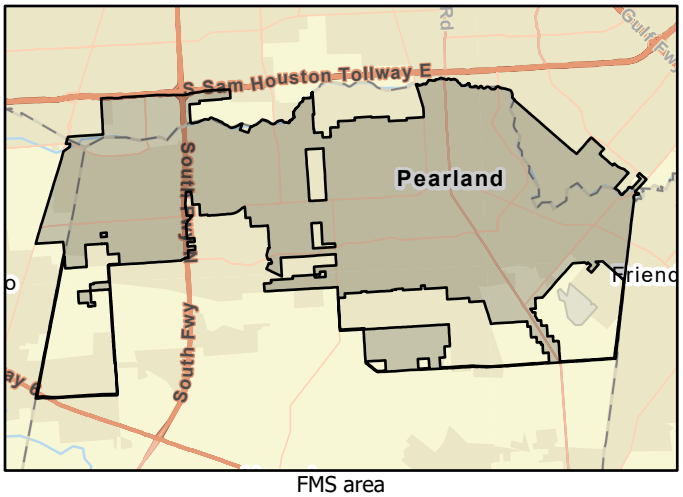
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	100,000.00	Amount of available funding	0.00	% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Harris County Wide Voluntary Buyout Program		
ID#	062000063	Sponsor	00000310
RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Property Acquisition and Structural Elevation
Strategy description	Targeted home buyouts to reduce flood damages in areas several feet deep in the floodplain where structural projects to reduce flooding are not cost-effective and/or beneficial.

Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi², est.)	1,770.82
Watershed HUC# (if known)	999999	County	Harris

Existing 100-Year Flood Risk

Population at risk	590,954	# of structures	143,642	Critical facilities	2,332				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	5,993.47	Roadway(s) impacted (miles)	2,408.00						
Number of low water crossings	89	Historical road closures	89						

100-Year Flood Risk Reduction

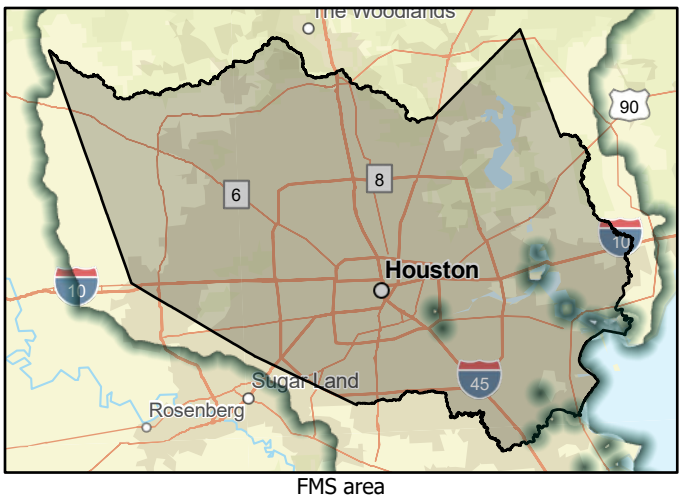
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

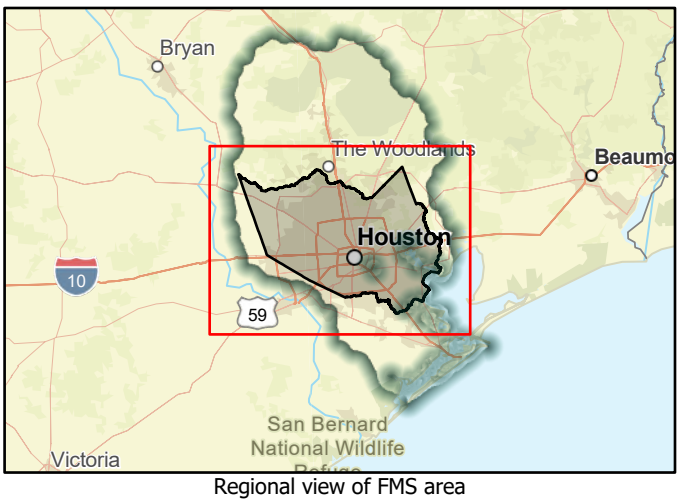
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	500,000,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Mitigate Repetitive Flood Claim & Severe Repetititve Loss Properties in Galveston County
ID#	062000064
Sponsor	00000006
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Property Acquisition and Structural Elevation
Strategy description	Grant funding through HMGP may be used to mitigate RFC and SRL properties. Mitigation option will be implemented with property owners as funding and opportunities arise.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	06000107,06000107
Drainage area (mi², est.)	14.23
County	Galveston

Existing 100-Year Flood Risk

Population at risk	1,455	# of structures	829	Critical facilities	8				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	37.85	Roadway(s) impacted (miles)	31.00						
Number of low water crossings	1	Historical road closures	1						

100-Year Flood Risk Reduction

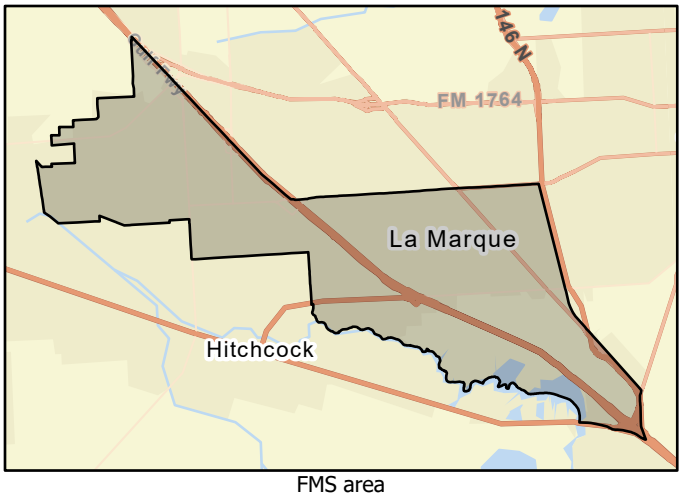
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	30,000,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Liberty County Regional Coordination
ID#	062000065
Sponsor	00000033
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Other
Strategy description	Work with adjoining counties regarding flooding and drainage issues.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	06000056,06000056,06000053,06000054,06000060,06000070,06000058,
Drainage area (mi², est.)	1,169.92
County	Liberty

Existing 100-Year Flood Risk

Population at risk	3,576	# of structures	3,619	Critical facilities	8				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	1,379.49	Roadway(s) impacted (miles)	144.00						
Number of low water crossings	7	Historical road closures	7						

100-Year Flood Risk Reduction

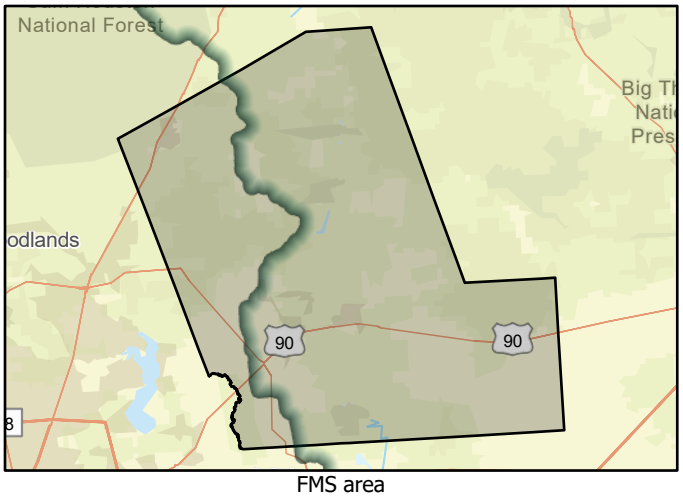
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

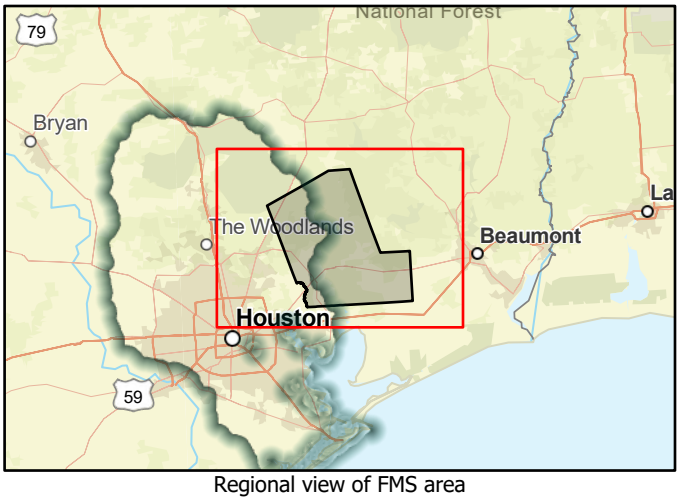
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	500,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Warren Ranch Preservation
ID#	062000066
Sponsor	00004002
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Property Acquisition and Structural Elevation
Strategy description	Acquisition of remaining private interest stake in the 6,004-acre Warren Ranch for floodplain preservation and conservation. Place a conservation easement on the Ranch to conserve ag and natural habitat.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	06000028
Drainage area (mi², est.)	9.38
County	Harris

Existing 100-Year Flood Risk

Population at risk	0	# of structures	0	Critical facilities	0				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	239.60	Roadway(s) impacted (miles)	0.00						
Number of low water crossings	2	Historical road closures	2						

100-Year Flood Risk Reduction

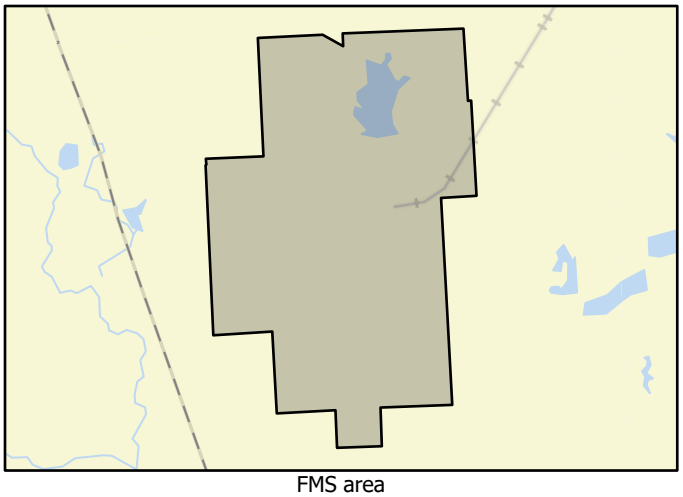
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Public access and recreation, agriculture, habitat	Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	50,000,000.00	Amount of available funding		% Nature-Based	100.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Cypress Creek Headwater Acquisition and PReservation
ID#	062000067
Sponsor	00004002
RFPG recommend?	Yes
Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy type	Property Acquisition and Structural Elevation
Strategy description	Acquisition and restoration of 1,074-acres of ag and natural lands at the headwaters of Cypress Creek.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	06000027,06000028
Drainage area (mi², est.)	1.72
County	Waller

Existing 100-Year Flood Risk

Population at risk	0	# of structures	0	Critical facilities	0				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	8.87	Roadway(s) impacted (miles)	0.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

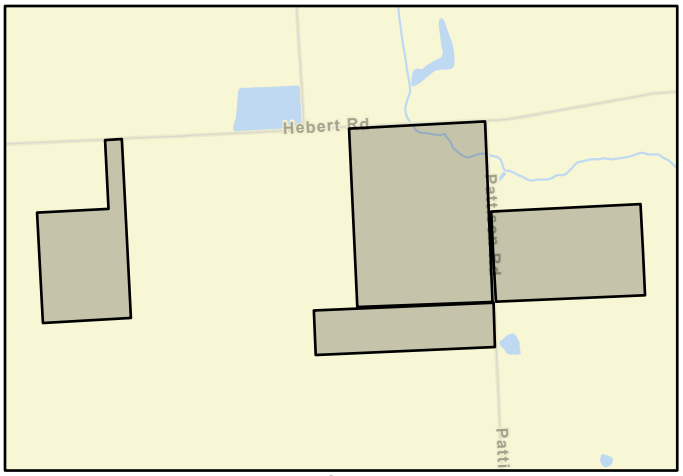
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Public access and recreation, agriculture, habitat	Reduction in # of road closures over 10 years	

Impacts

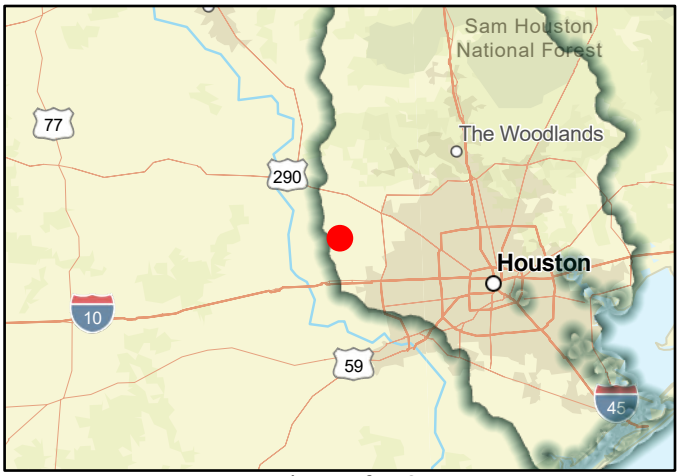
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	18,000,000.00	Amount of available funding		% Nature-Based	100.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Chambers County Community Rating System		
ID#	062000070	Sponsor	00000013
RFPG recommend?	Yes	Reason for Recommendation	Pending Approval in March

Strategy Details

Strategy type	Regulatory and Guidance
Strategy description	Join the Community Rating System to reduce flood insurance premiums and flood risk for residents.
Associated FME's	999999
Associated FMP's	052000149
Associated FMS's	999999
Drainage area (mi², est.)	53.59
Watershed HUC# (if known)	06000103, 06000102, 06000104, 06000105
County	Chambers

Existing 100-Year Flood Risk

Population at risk	775	# of structures	146	Critical facilities	0				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	353.77	Roadway(s) impacted (miles)	7.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

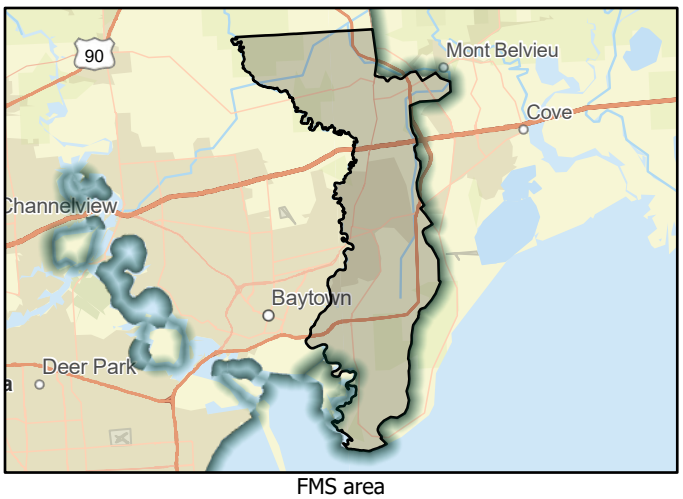
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	8,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Chambers County Flood Model and Map Management System
ID#	062000071
Sponsor	00000013
RFPG recommend?	Yes
Reason for Recommendation	Pending Approval in March

Strategy Details

Strategy type	Regulatory and Guidance
Strategy description	Develop and implement a web-based system to manage flood models and mapping and regulate future development.
Associated FME's	999999
Associated FMP's	052000150
Associated FMS's	999999
Drainage area (mi², est.)	53.59
Watershed HUC# (if known)	06000103, 06000102, 06000104, 06000105
County	Chambers

Existing 100-Year Flood Risk

Population at risk	775	# of structures	146	Critical facilities	0				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	353.77	Roadway(s) impacted (miles)	7.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

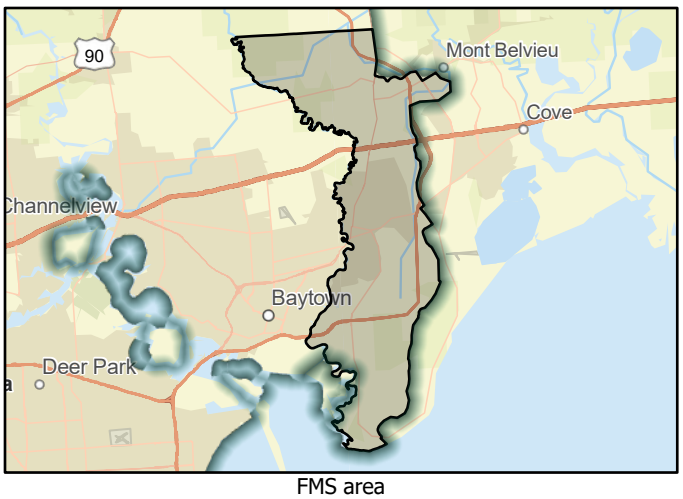
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	36,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Chambers County Property Acquisition
ID#	062000072
Sponsor	00000013
RFPG recommend?	Yes
Reason for Recommendation	Pending Approval in March

Strategy Details

Strategy type	Regulatory and Guidance
Strategy description	This flood management strategy proposes that funds be established for Chambers County to implement a county-wide voluntary property acquisition program for structures located within the 100-year floodplain or the floodway of an existing
Associated FME's	999999
Associated FMP's	052000151
Associated FMS's	999999
Drainage area (mi², est.)	53.59
Watershed HUC# (if known)	06000103, 06000102, 06000104, 06000105
County	Chambers

Existing 100-Year Flood Risk

Population at risk	775	# of structures	146	Critical facilities	0				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	353.77	Roadway(s) impacted (miles)	7.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

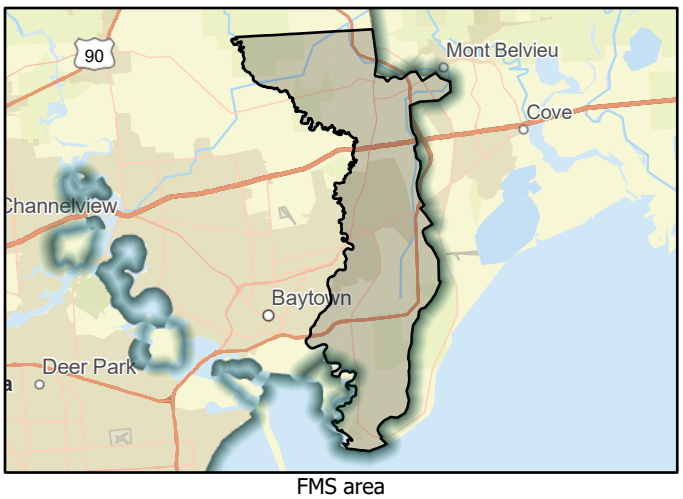
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits	Potential to encourage development of public spaces	Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	360,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Chambers County Drainage Criteria Manual Update
ID#	062000073
Sponsor	00000013
RFPG recommend?	Yes
Reason for Recommendation	Pending Approval in March

Strategy Details

Strategy type	Regulatory and Guidance
Strategy description	Update Drainage Criteria Manual for the County to minimize and eliminate the possibility of future development adversely impacting downstream communities.
Associated FME's	999999
Associated FMP's	052000152
Associated FMS's	999999
Drainage area (mi², est.)	53.59
Watershed HUC# (if known)	06000103, 06000102, 06000104, 06000105
County	Chambers

Existing 100-Year Flood Risk

Population at risk	775	# of structures	146	Critical facilities	0				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	353.77	Roadway(s) impacted (miles)	7.00						
Number of low water crossings	0	Historical road closures	0						

100-Year Flood Risk Reduction

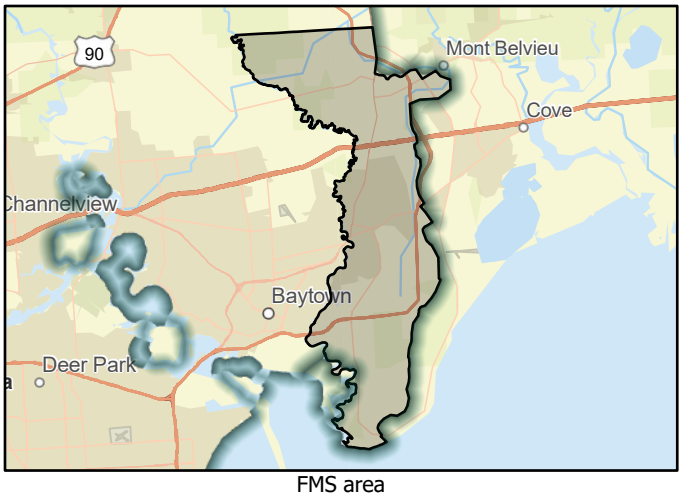
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	127,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	West Fork San Jacinto River floodplain preservation
ID#	062000074
Sponsor	06003603
RFPG recommend?	Yes
Reason for Recommendation	Pending Approval in March

Strategy Details

Strategy type	Other
Strategy description	Partnerships to acquire/place conservation easements on high-quality floodplain parcels upstream of the West Fork San Jacinto River. This pre-disaster strategy enhances resilience and floodplain function per ASFPM best practices.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	214.93
Watershed HUC# (if known)	06000011, 06000022, 06000019, 06000020, 06000021, 06000024, 06000009, 06000010, 06000023, 06000043, 06000045, 06000055,
County	Montgomery

Existing 100-Year Flood Risk

Population at risk	18,347	# of structures	5,153	Critical facilities	49				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	331.54	Roadway(s) impacted (miles)	121.00						
Number of low water crossings	20	Historical road closures	20						

100-Year Flood Risk Reduction

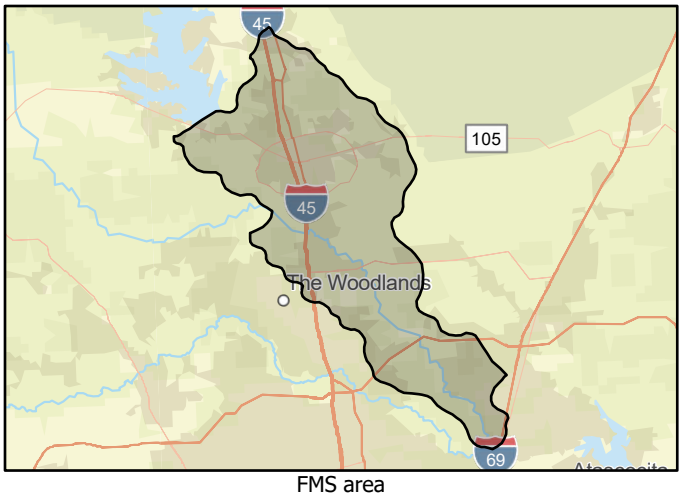
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	40,489,000.00	Amount of available funding		% Nature-Based	100.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Spring Creek floodplain preservation		
ID#	062000075	Sponsor	06003603
RFPG recommend?	Yes	Reason for Recommendation	Pending Approval in March

Strategy Details

Strategy type	Other
Strategy description	Partnerships to acquire/place conservation easements on high-quality floodplain parcels below Lake Conroe and upstream of Spring Creek. This pre-disaster strategy enhances resilience and floodplain function per ASFPM best practices.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	451.16
Watershed HUC# (if known)	06000016, 06000017, 06000018, 06000019, 06000020, 06000021, 06000023, 06000031, 06000036, 06000026, 06000030, 06000032,
County	Harris, Waller, Montgomery, Grimes

Existing 100-Year Flood Risk

Population at risk	27,005	# of structures	5,516	Critical facilities	51				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	290.83	Roadway(s) impacted (miles)	142.00						
Number of low water crossings	36	Historical road closures	36						

100-Year Flood Risk Reduction

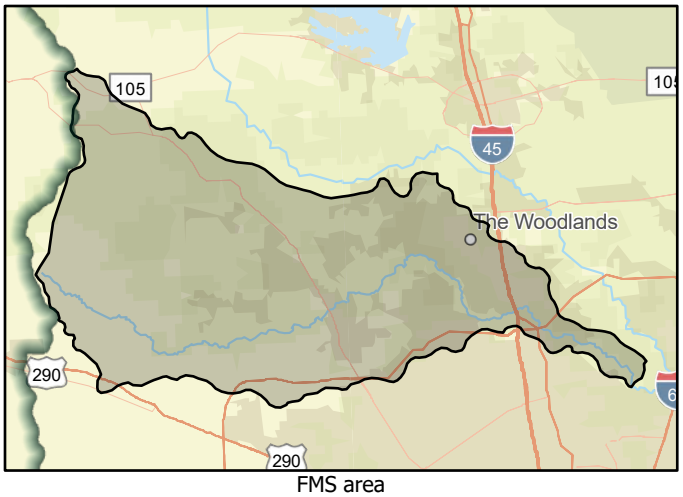
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	32,897,000.00	Amount of available funding		% Nature-Based	100.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Lake Creek floodplain preservation
ID#	062000076
Sponsor	06003603
RFPG recommend?	Yes
Reason for Recommendation	Pending Approval in March

Strategy Details

Strategy type	Other
Strategy description	Partnerships to acquire/place conservation easements on high-quality floodplain parcels upstream of the West Fork San Jacinto River. This pre-disaster strategy enhances resilience and floodplain function per ASFPM best practices.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	325.81
Watershed HUC# (if known)	06000001, 06000011, 06000012, 06000013, 06000014, 06000003, 06000007, 06000015, 06000016, 06000017, 06000018, 06000019,
County	Montgomery, Grimes

Existing 100-Year Flood Risk

Population at risk	1,011	# of structures	830	Critical facilities	0				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	383.61	Roadway(s) impacted (miles)	31.00						
Number of low water crossings	10	Historical road closures	10						

100-Year Flood Risk Reduction

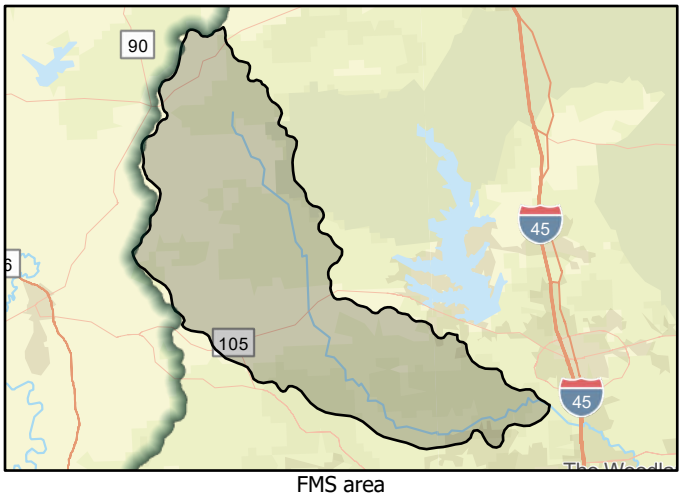
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

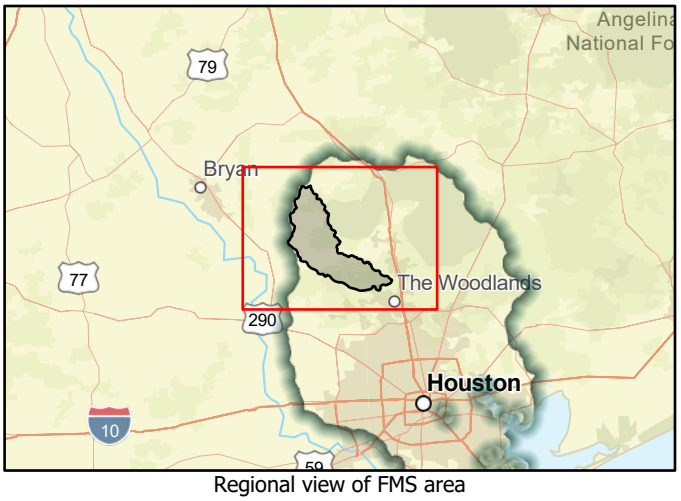
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	43,019,000.00	Amount of available funding		% Nature-Based	100.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Updates to San Jacinto River Authority Lake Conroe Reservoir Forecast Tool
ID#	062000077
Sponsor	00000287
RFPG recommend?	Yes
Reason for Recommendation	Pending Approval in March

Strategy Details

Strategy type	Flood Measurement and Warning
Strategy description	Update to forecasting tool, including the incorporation of latest modeling analyses and methodologies, latest software, and/or additional stream gauge data to increase accuracy and accessibility.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	448.19
Watershed HUC# (if known)	06000004, 06000001, 06000002, 06000011, 06000012, 06000014, 06000003, 06000005, 06000006, 06000007, 06000018, 06000019,
County	Montgomery, Grimes, Walker

Existing 100-Year Flood Risk

Population at risk	10,156	# of structures	4,287	Critical facilities	2				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	205.46	Roadway(s) impacted (miles)	38.00						
Number of low water crossings	12	Historical road closures	12						

100-Year Flood Risk Reduction

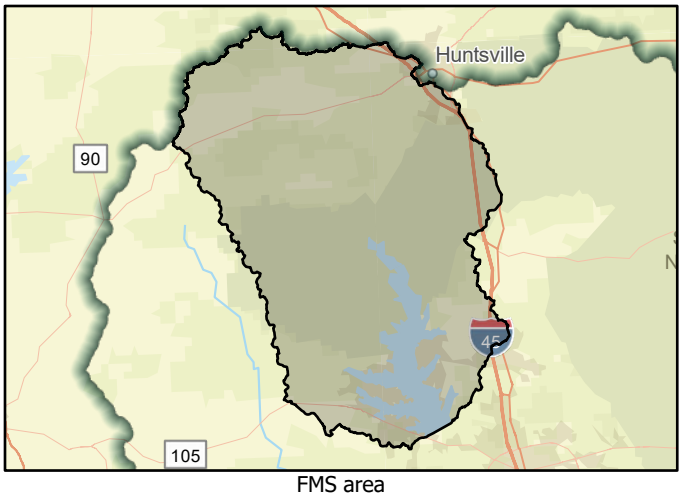
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	346,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	San Jacinto River Watershed Gage Network Expansion
ID#	062000078
Sponsor	00000287
RFPG recommend?	Yes
Reason for Recommendation	Pending Approval in March

Strategy Details

Strategy type	Flood Measurement and Warning
Strategy description	Install up to 48 rain/stream gages in Montgomery, Waller, Grimes, Walker, San Jacinto, and Liberty counties to enhance flood warning in the San Jacinto River Watershed.
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	999999
Drainage area (mi², est.)	2,388.08
County	Waller, Liberty, Montgomery, Grimes,

Existing 100-Year Flood Risk

Population at risk	76,613	# of structures	27,280	Critical facilities	130				
Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	2,806.27	Roadway(s) impacted (miles)	668.00						
Number of low water crossings	102	Historical road closures	102						

100-Year Flood Risk Reduction

Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

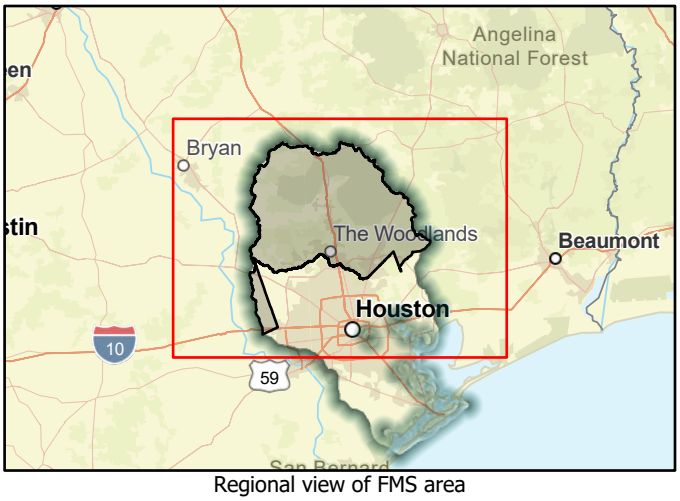
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	1,286,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Harris County Community Based Catastrophe Insurance
ID#	062000079
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Pending Approval in March

Strategy Details

Strategy type	Regulatory and Guidance
Strategy description	Community Based Catastrophe Insurance to reduce impact of flood damages in areas several feet deep in the floodplain where structural projects to reduce flooding are not cost effective
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Watershed HUC# (if known)	999999
Drainage area (mi², est.)	1,768.51
County	Harris

Existing 100-Year Flood Risk

Population at risk	976,848	# of structures	143,588	Critical facilities	2,132				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	5,983.73	Roadway(s) impacted (miles)	2,407.00						
Number of low water crossings	84	Historical road closures	84						

100-Year Flood Risk Reduction

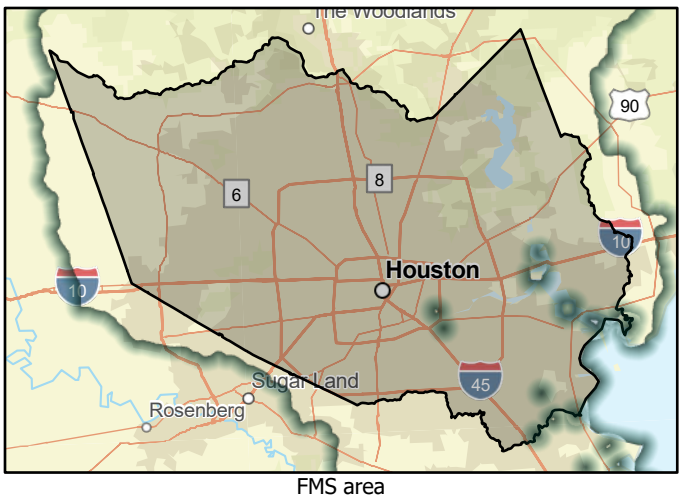
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

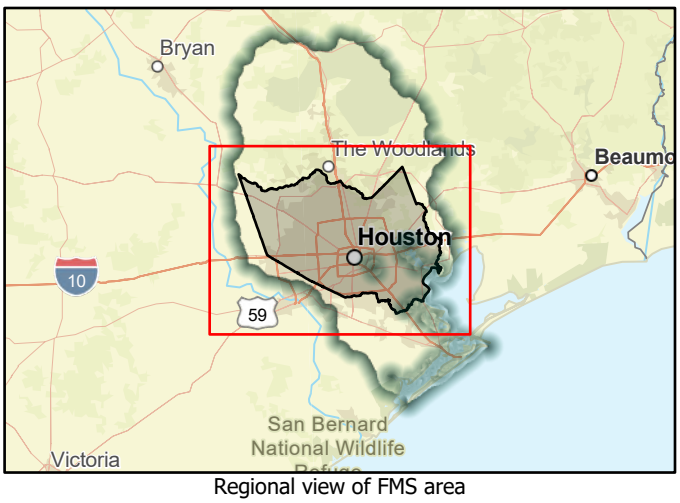
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	1,266,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title	Harris County Flood Control District's Flood Warning System
ID#	062000080
Sponsor	00000310
RFPG recommend?	Yes
Reason for Recommendation	Pending Approval in March

Strategy Details

Strategy type	Flood Measurement and Warning
Strategy description	The Harris County Flood Control District's Flood Warning System relies on 188 gage stations strategically placed throughout Harris County bayous and their tributaries that contain sensors that transmit flows and water levels during times of heavy
Associated FME's	999999
Associated FMP's	999999
Associated FMS's	999999
Drainage area (mi², est.)	1,768.51
Watershed HUC# (if known)	999999
County	Harris

Existing 100-Year Flood Risk

Population at risk	976,848	# of structures	143,588	Critical facilities	2,132				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)	5,983.73	Roadway(s) impacted (miles)	2,407.00						
Number of low water crossings	84	Historical road closures	84						

100-Year Flood Risk Reduction

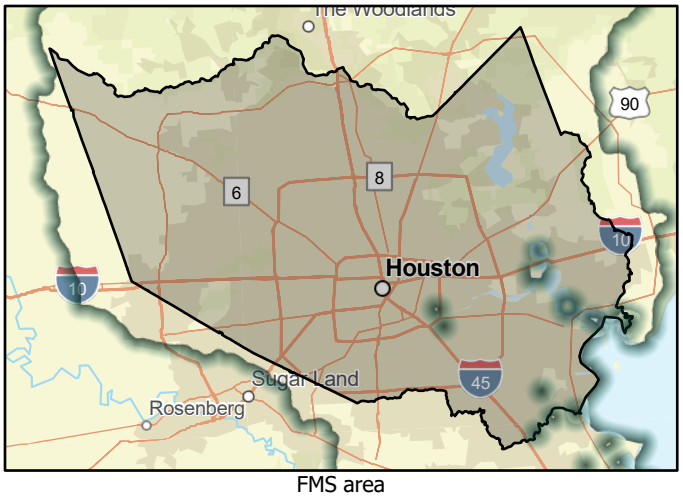
Population removed from 100-yr		# of structures removed from 100-yr	
Critical facilities removed from 100-yr		Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	
Other benefits		Reduction in # of road closures over 10 years	

Impacts

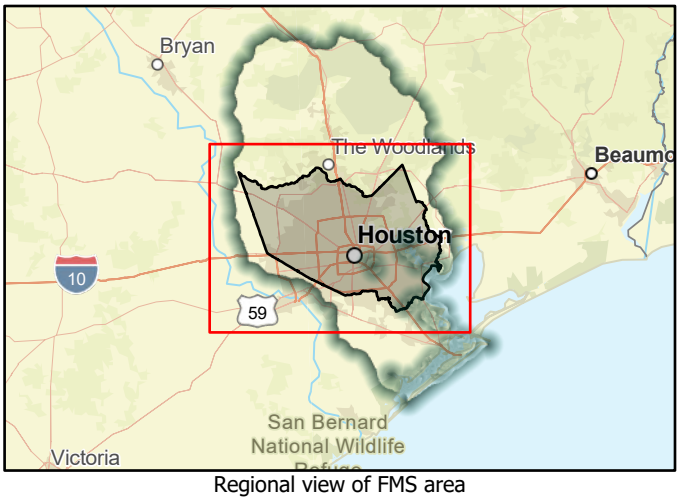
Negative impacts?	No	Negative impacts description	
Water supply contributions?	No	Water supply contribution description	

Estimated Cost

Strategy Cost	1,055,000.00	Amount of available funding		% Nature-Based	0.00



FMS area



Regional view of FMS area

Appendix 5-5C:

One-Page Summaries of Recommended FMEs

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Durant Street Storm Sewer and Pavement Improvements - Phase 1

ID#: 061000001

Sponsor (name of entity, not person): 00003020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of Durant Street Phase 1 to reduce flood risk with upgrades to storm sewer system, concrete curb, gutter, pavement, and sidewalk.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Brazoria

Watershed HUC# (if known): 06000107,06000109,06000106

Drainage area (Square miles, est.): 0.00

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 15,260

# of structures: 3,521

Critical facilities: 16

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 258.74

Roadway(s) impacted (length): 56.89

Number of low water crossings: 0

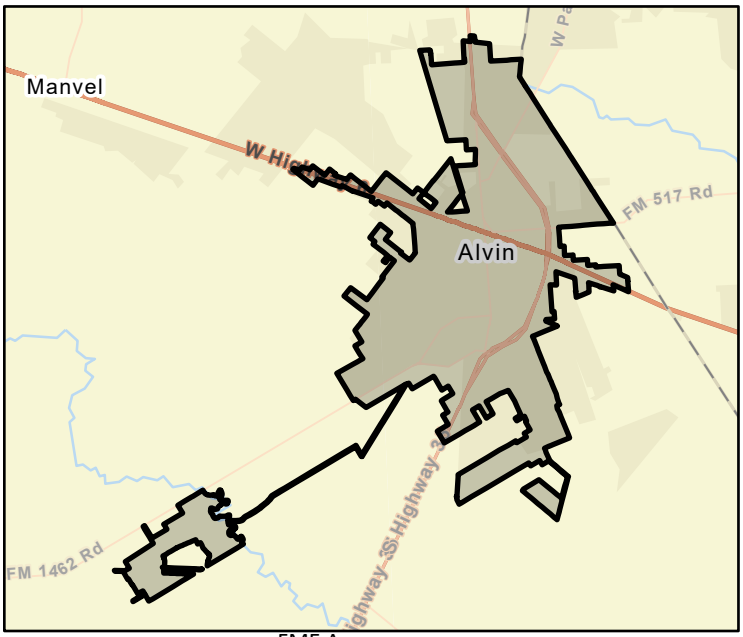
Historical road closures: 0

Estimated Cost and Funding Availability

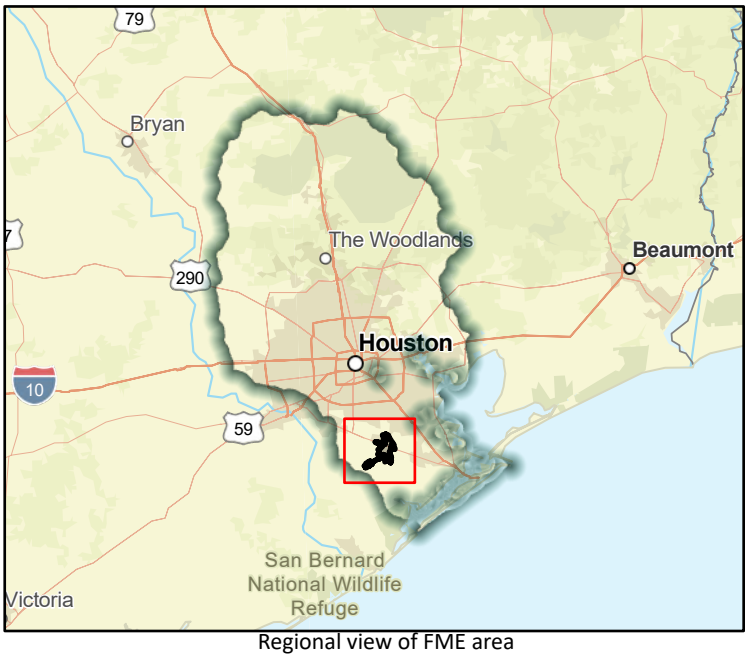
Total Cost: 110,000.00

Amount of Available Funding: 110,000.00

Funding source: Bonds/Other Financing



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Durant Street Storm Sewer and Pavement Improvements - Phase 2

ID#: 061000002

Sponsor (name of entity, not person): 00003020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of Durant Street Phase 2 to reduce flood risk with upgrades to storm sewer system, concrete curb, gutter, pavement, and sidewalk.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Brazoria

Watershed HUC# (if known): 06000107,06000109,06000106

Drainage area (Square miles, est.): 0.00

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 15,260

# of structures: 3,521

Critical facilities: 16

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 258.74

Roadway(s) impacted (length): 56.89

Number of low water crossings: 0

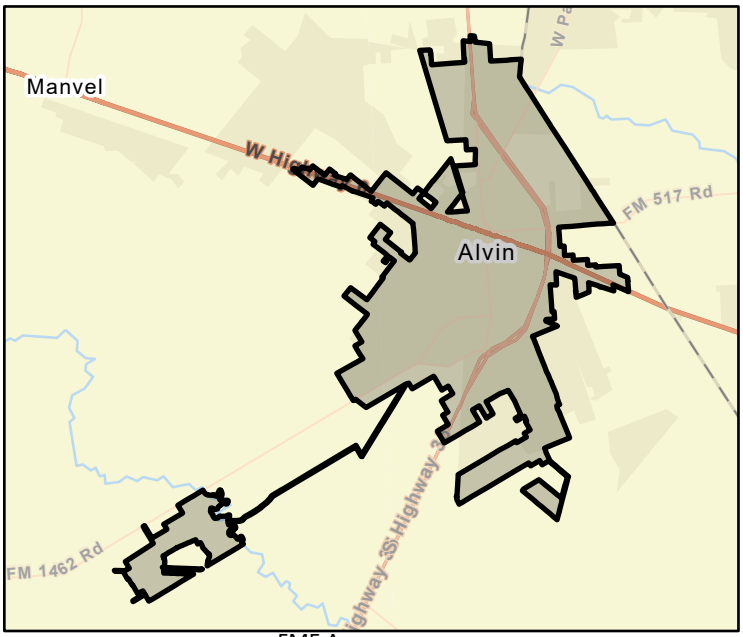
Historical road closures: 0

Estimated Cost and Funding Availability

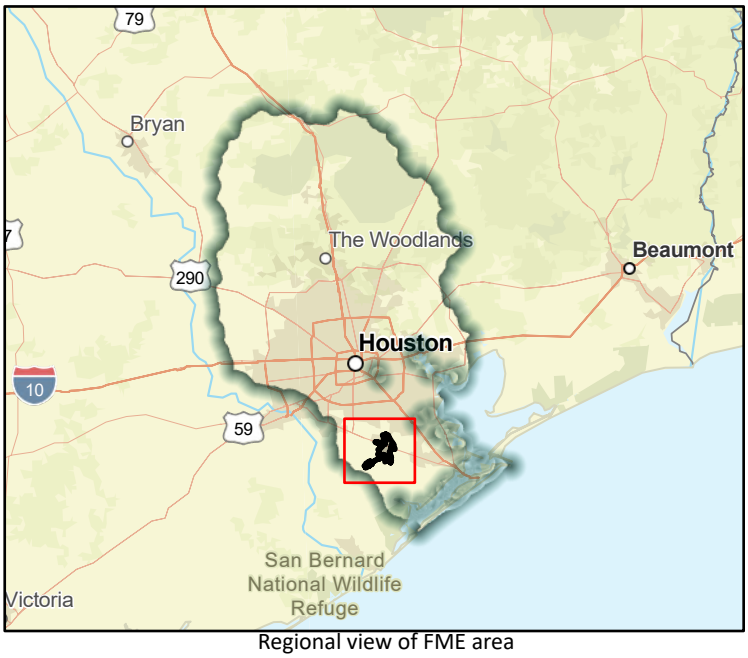
Total Cost: 90,000.00

Amount of Available Funding: 90,000.00

Funding source: Bonds/Other Financing



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Arcola Regional Drainage Improvements

ID#: 061000003

Sponsor (name of entity, not person): 00002557

RFPG recommend? Yes | Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of proposed flood risk reduction project that includes various drainage improvement alternatives.

New Hydrologic or Hydraulic model? No | Emergency Need? No | Existing/Anticipated models in near term? No

County: Fort Bend | Watershed HUC# (if known): 06000109

Drainage area (Square miles, est.): 2.60 | Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 39 | # of structures: 41 | Critical facilities: 0

Flood risk type: Riverine? No | Coastal? No | Local? Yes | Playa? No | Other? No

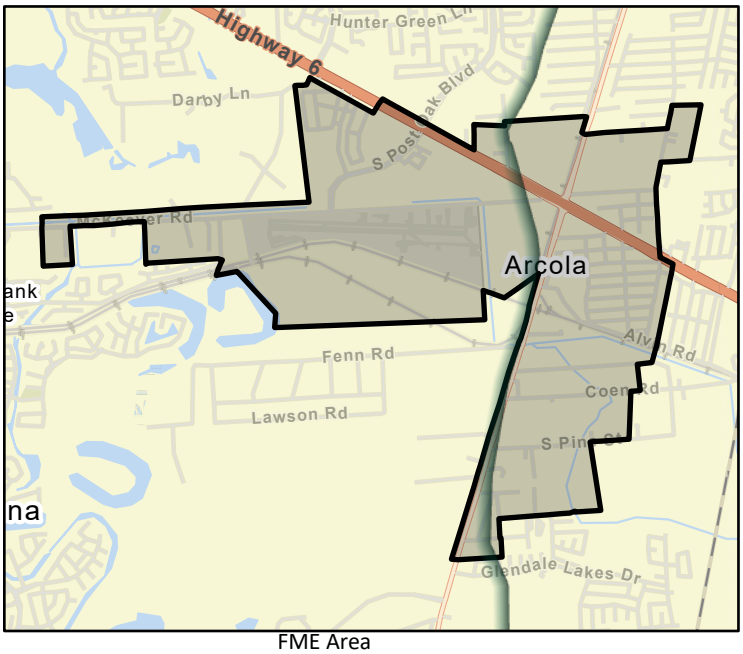
Farm/Ranch land impacted (acres): 1.23 | Roadway(s) impacted (length): 0.22

Number of low water crossings: 0 | Historical road closures: 0

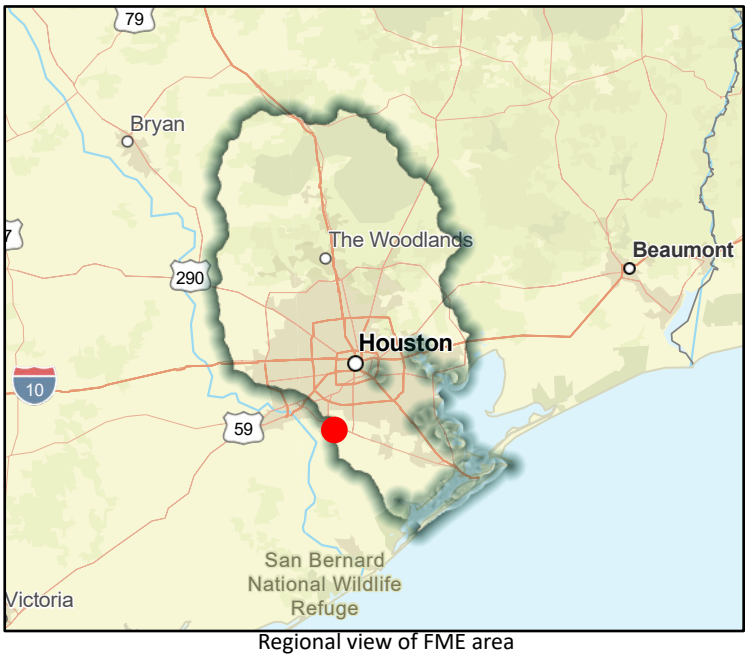
Estimated Cost and Funding Availability

Total Cost: 233,000.00 | Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Missouri City Estates Drainage Improvements

ID#: 061000005

Sponsor (name of entity, not person): 00003596

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of proposed flood risk reduction project that includes drainage improvements to Missouri City Estates.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Fort Bend,Harris

Watershed HUC# (if known): 06000083

Drainage area (Square miles, est.): 0.11

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures:

Critical facilities:

Flood risk type: Riverine?: No Coastal?: No Local?: Yes Playa?: No Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.00

Number of low water crossings:

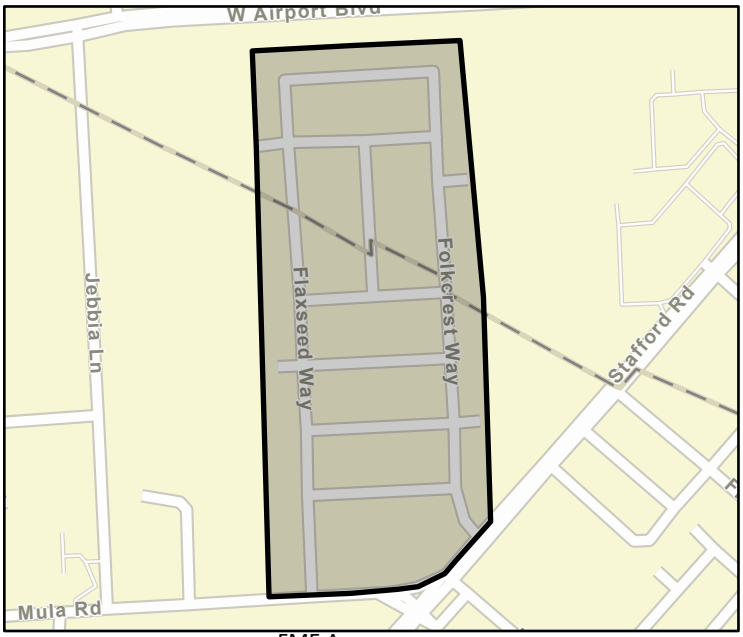
Historical road closures:

Estimated Cost and Funding Availability

Total Cost: 100,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Galveston Master Drainage Study

ID#: 061000011

Sponsor (name of entity, not person): 06002809

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: City wide drainage and flood risk reduction planning study of Galveston to include Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Galveston

Watershed HUC# (if known): 06000108,06000107,06000109,06000110

Drainage area (Square miles, est.): 211.08

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 64,429

# of structures: 23,114

Critical facilities: 504

Flood risk type: Riverine?: No

Coastal?: Yes

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 263.71

Roadway(s) impacted (length): 422.44

Number of low water crossings: 0

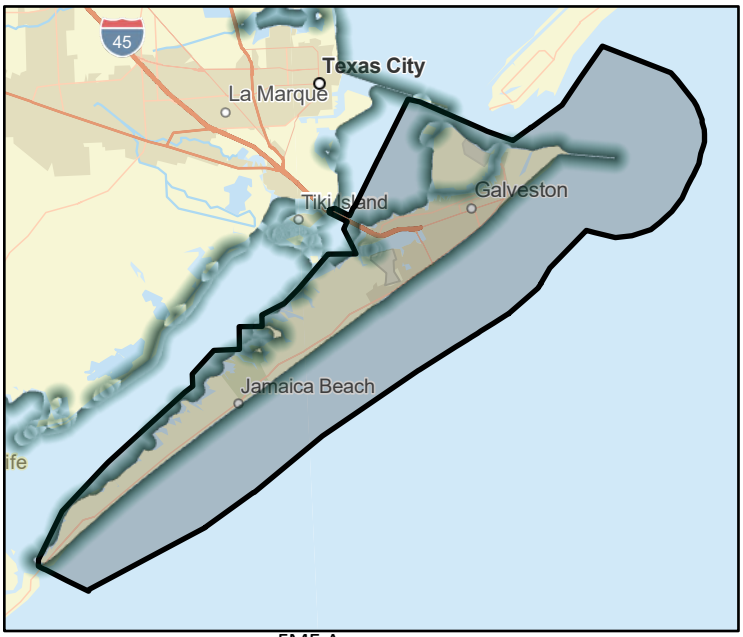
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 1,000,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Bellaire Local Drainage System Asset Management

ID#: 061000013

Sponsor (name of entity, not person): 06002854

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop asset management plan / capital improvement plan to repair/replace local drainage infrastructure over time to ensure it is in good working order and meeting the level of service desired by the City.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000084,06000083

Drainage area (Square miles, est.): 3.58

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 25,741

# of structures: 5,877

Critical facilities: 69

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.16

Roadway(s) impacted (length): 70.92

Number of low water crossings: 0

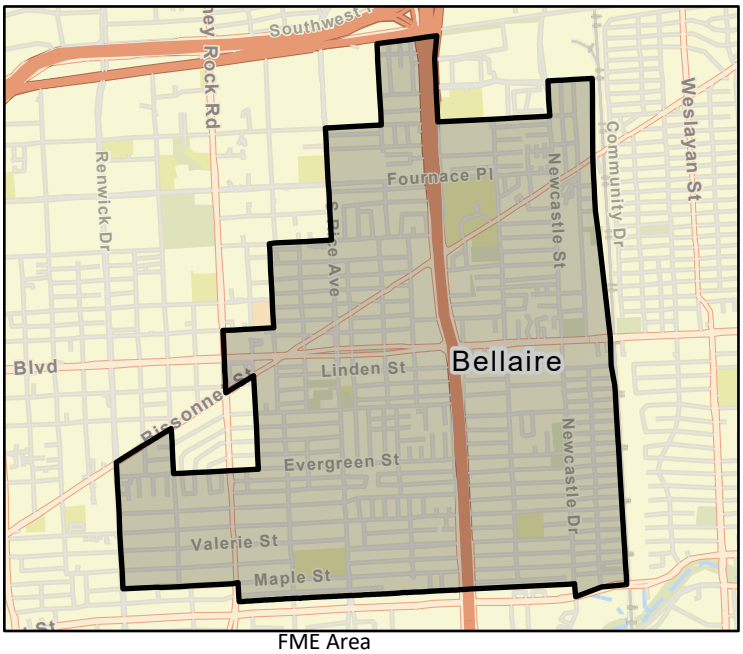
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 300,000.00

Amount of Available Funding: 75,000.00

Funding source: Bonds/Other Financing



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Bellaire Regional Detention Facilities Development

ID#: 061000014

Sponsor (name of entity, not person): 06002854

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Effort to identify and develop/design regional detention facilities to either provide flood risk reduction or to facilitate the construction of local or regional drainage improvement projects.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000084,06000083

Drainage area (Square miles, est.): 3.58

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 25,741

# of structures: 5,877

Critical facilities: 69

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.16

Roadway(s) impacted (length): 70.92

Number of low water crossings: 0

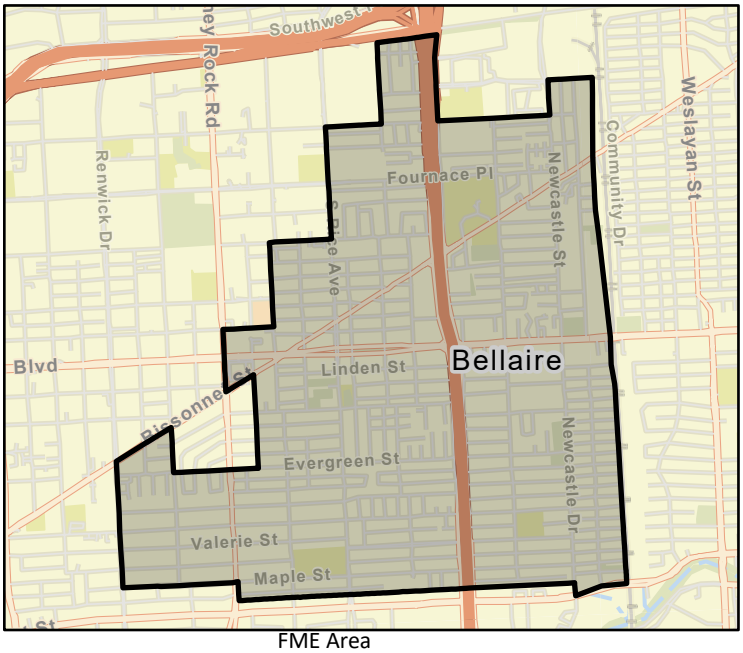
Historical road closures: 0

Estimated Cost and Funding Availability

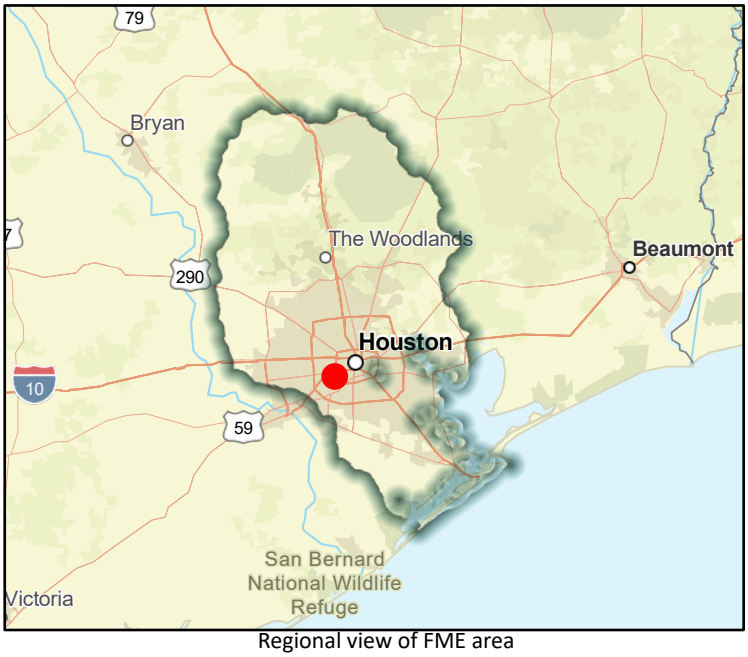
Total Cost: 1,000,000.00

Amount of Available Funding: 250,000.00

Funding source: Bonds/Other Financing



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Bellaire Cypress Ditch Drainage Improvements

ID#: 061000015

Sponsor (name of entity, not person): 06002854

RFPG recommend? Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Perform engineering services to develop and advance a flood risk reduction project in the Cypress Ditch area, servicing the southern part of the City of Bellaire.

New Hydrologic or Hydraulic model? Yes

Emergency Need? No

Existing/Anticipated models in near term? No

County: Harris

Watershed HUC# (if known): 06000084,06000083

Drainage area (Square miles, est.): 3.58

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 25,741

# of structures: 5,877

Critical facilities: 69

Flood risk type: Riverine? No | Coastal? No | Local? Yes | Playa? No | Other? No

Farm/Ranch land impacted (acres): 0.16

Roadway(s) impacted (length): 70.92

Number of low water crossings: 0

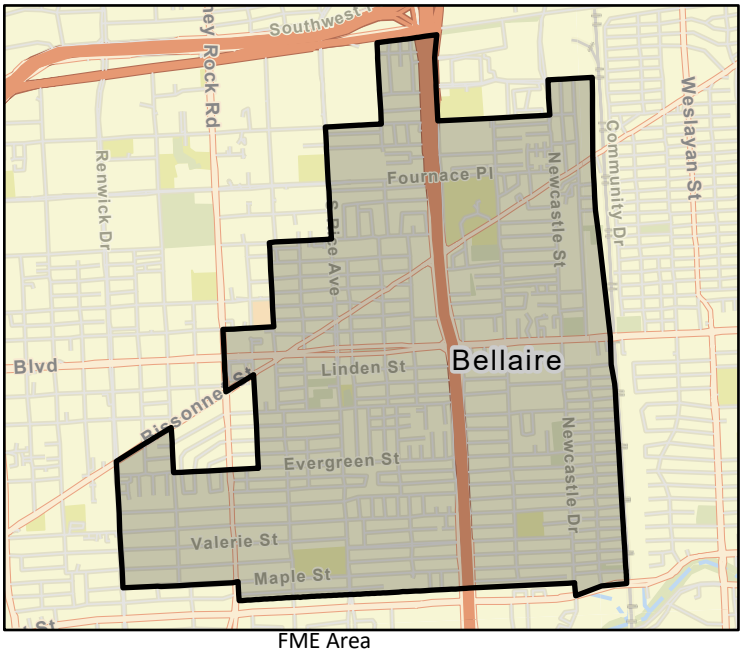
Historical road closures: 0

Estimated Cost and Funding Availability

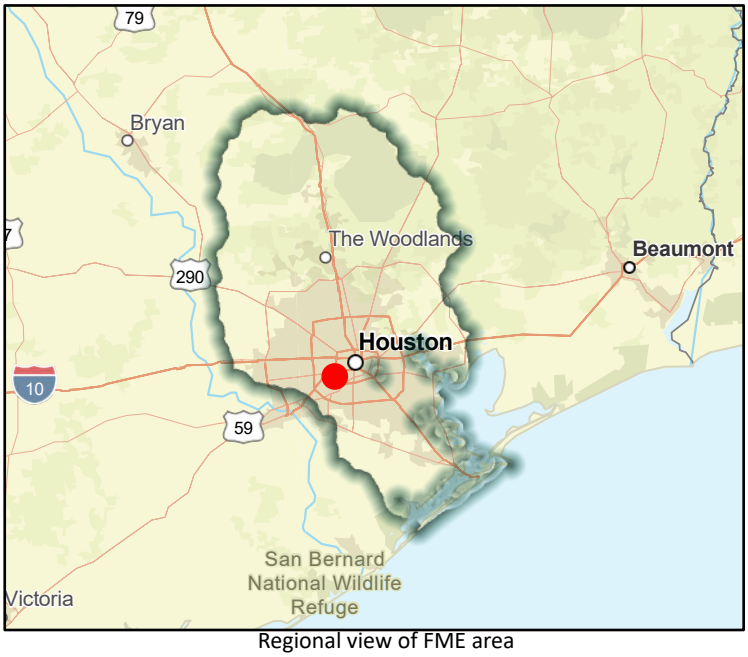
Total Cost: 1,000,000.00

Amount of Available Funding: 250,000.00

Funding source: Bonds/Other Financing



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Bunker Hill Drainage Projects

ID#: 061000016

Sponsor (name of entity, not person): 06002856

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of proposed localized and regional flood risk reduction projects within the City of Bunker Hill.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000080

Drainage area (Square miles, est.): 1.44

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures: 0

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.00

Number of low water crossings:

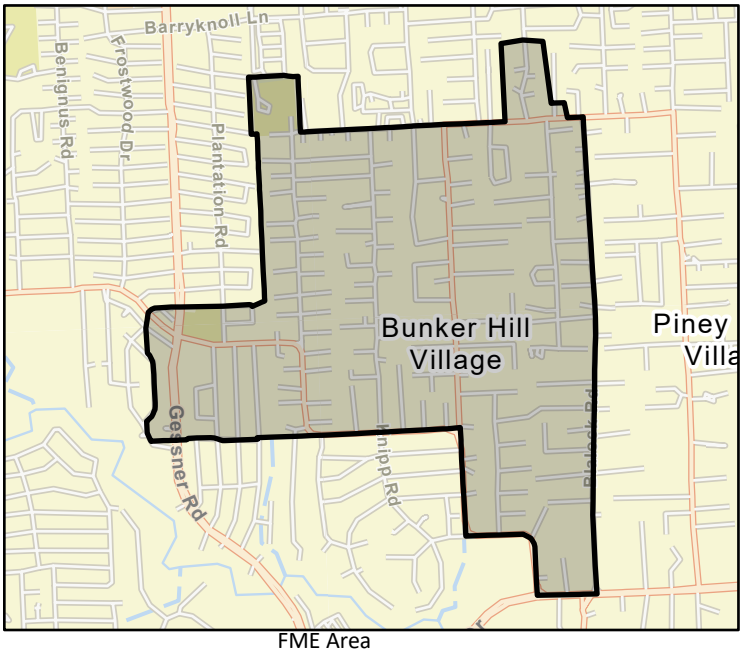
Historical road closures:

Estimated Cost and Funding Availability

Total Cost: 100,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Bunker Hill Master Drainage and Stormwater Management Plan

ID#: 061000017

Sponsor (name of entity, not person): 06002856

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Further study of Master Drainage and Stormwater Management Plan for the City of Bunker Hill to include Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000080

Drainage area (Square miles, est.): 1.44

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures: 0

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.00

Number of low water crossings:

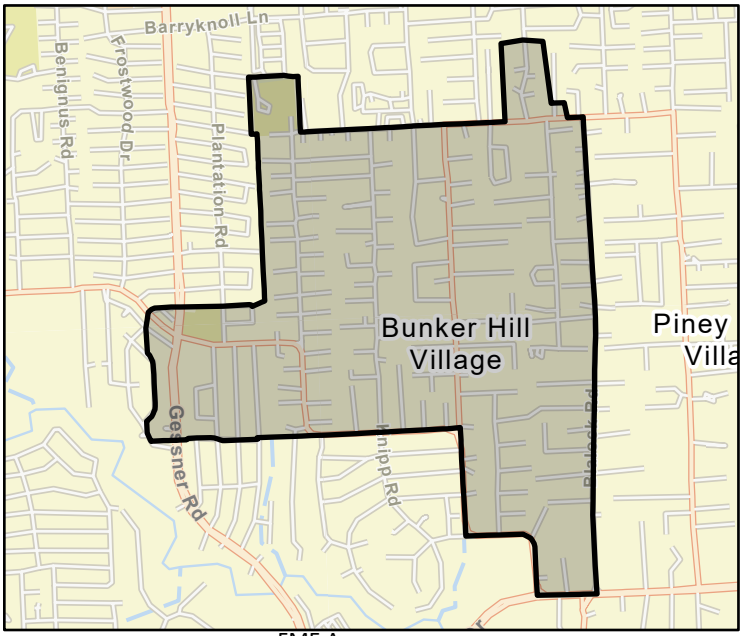
Historical road closures:

Estimated Cost and Funding Availability

Total Cost: 170,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Dickinson Bayou Alternative 2

ID#: 061000022

Sponsor (name of entity, not person): 06003147

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further refine the DB Alt. 2 in the LCCDBFMP (2021), including alternative analysis to McFarland Detention Basin, W Cemetery Rd. Detention Basin, Hilton Detention Basin, Magnolia Bayou & Borden Gully Detention Basins, and Diversion Channel at Desel Dr..

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Brazoria,Galveston,Fort

Watershed HUC# (if known): 06000108,06000107,06000109,06000110,06000106

Drainage area (Square miles, est.): 86.02

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 89,177

# of structures: 40,129

Critical facilities: 636

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 2,683.21

Roadway(s) impacted (length): 722.78

Number of low water crossings: 26

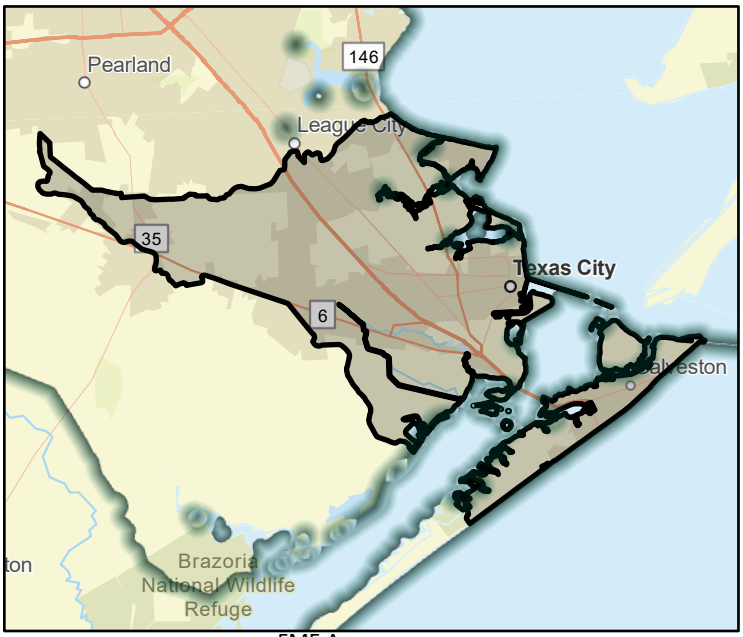
Historical road closures: 26

Estimated Cost and Funding Availability

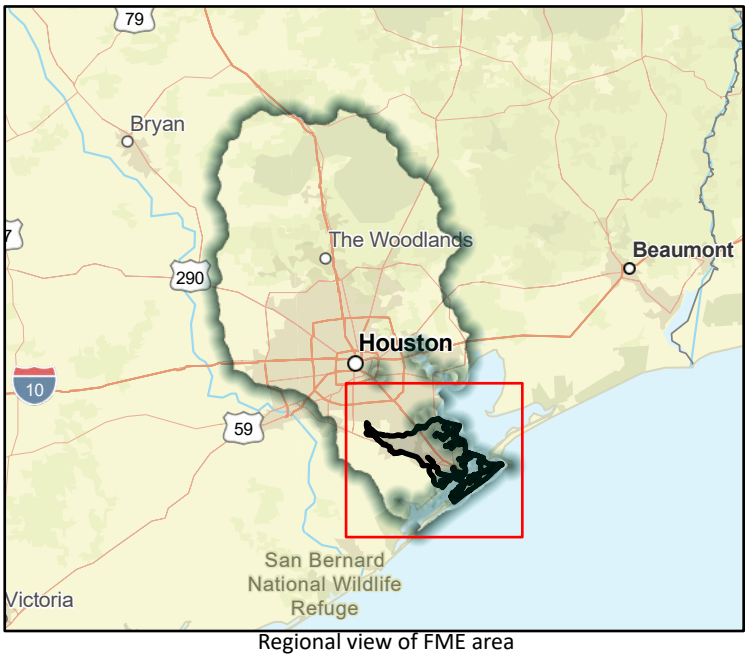
Total Cost: 1,090,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Williamsburg Subdivision Drainage Assessment

ID#: 061000024

Sponsor (name of entity, not person): 00000020

RFPG recommend? Yes | Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of a flood risk reduction project in the Williamsburg Subdivision which includes additional detail for the design of a required weir structure.

New Hydrologic or Hydraulic model? No | Emergency Need? No | Existing/Anticipated models in near term? No

County: Harris | Watershed HUC# (if known): 06000074

Drainage area (Square miles, est.): 12.76 | Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 8 | # of structures: 2 | Critical facilities: 0

Flood risk type: Riverine? Yes | Coastal? No | Local? Yes | Playa? No | Other? No

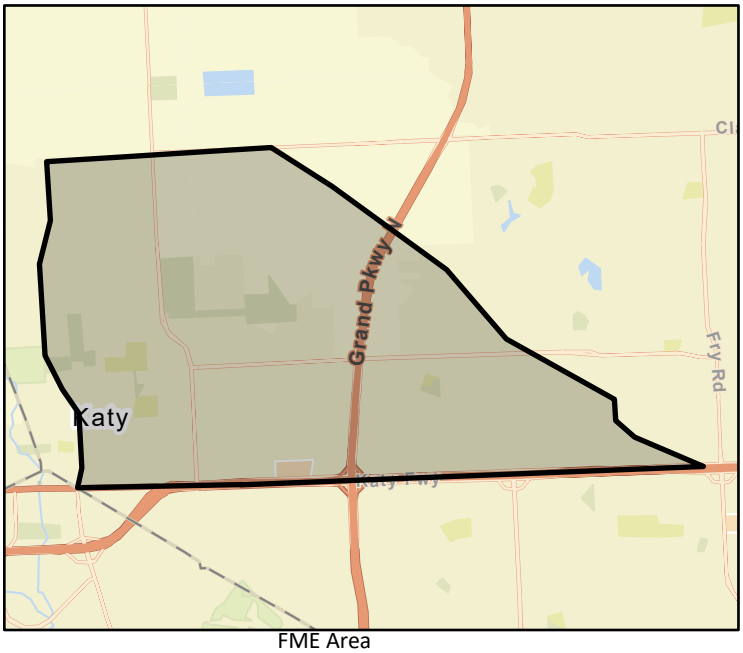
Farm/Ranch land impacted (acres): 6.60 | Roadway(s) impacted (length): 0.62

Number of low water crossings: 0 | Historical road closures: 0

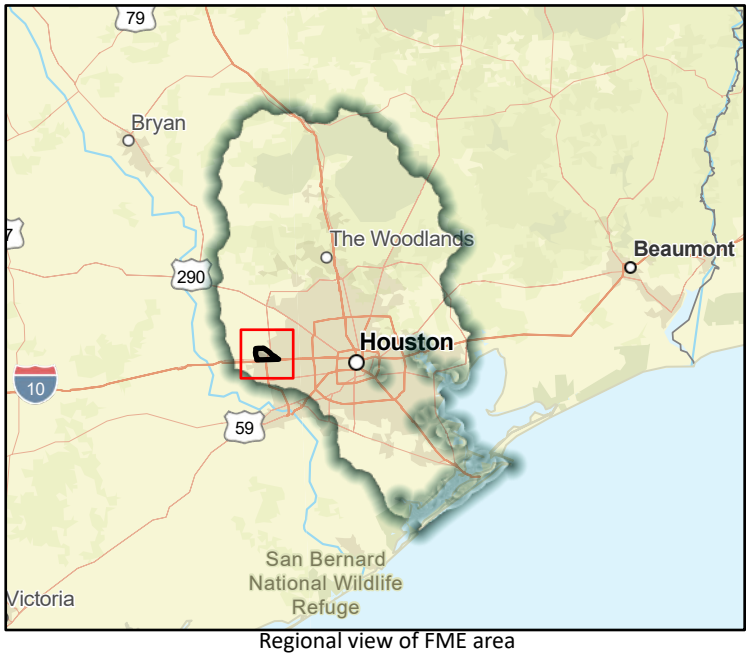
Estimated Cost and Funding Availability

Total Cost: 1,260,000.00 | Amount of Available Funding:

Funding source: Harris County Bond PRogram 2018



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Preliminary Drainage & Infrastructure Improvements Happy Hide A Way Subdivison

ID#: 061000025

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Additional analysis in the Jackson Bayou watershed, specifically along R102-00-00, is needed to determine the necessary improvements and provide a no impact solution.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000096

Drainage area (Square miles, est.): 0.26

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures:

Critical facilities:

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.00

Number of low water crossings:

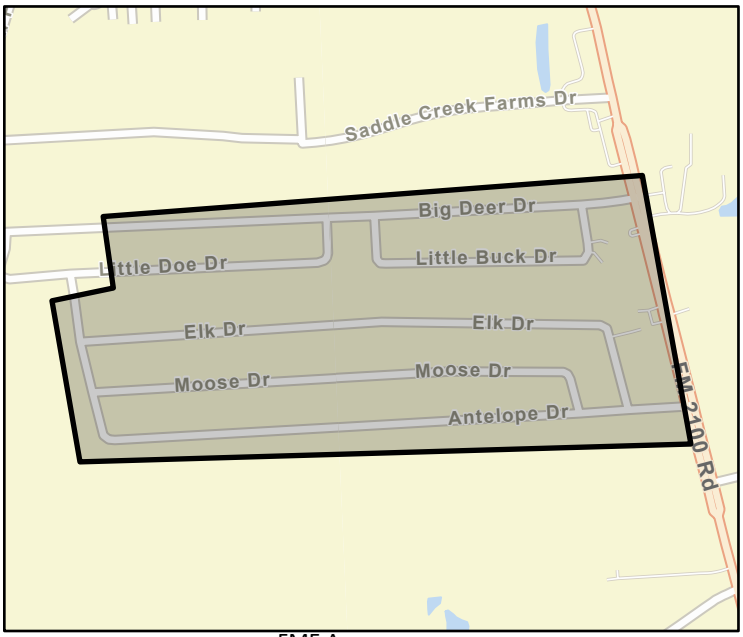
Historical road closures:

Estimated Cost and Funding Availability

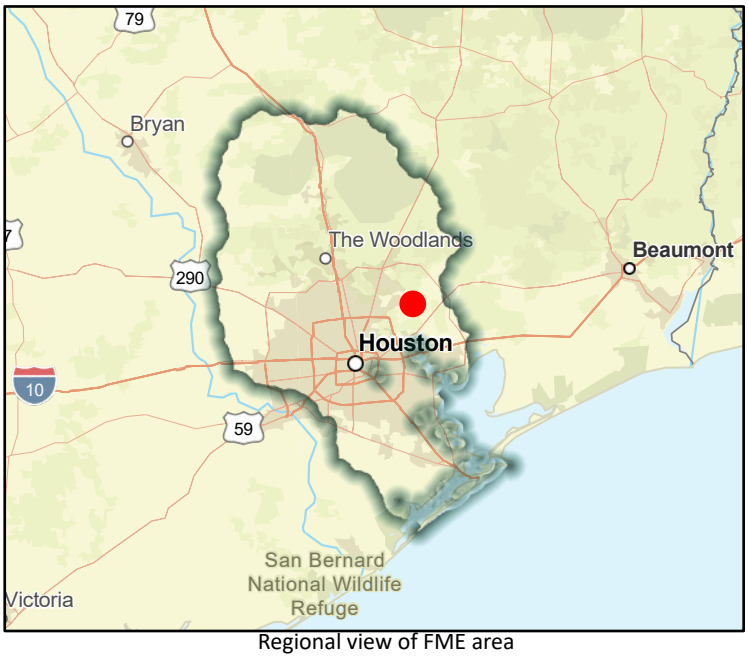
Total Cost: 110,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Bridgewater Village & Enclave at Bridgewater Drainage Analysis

ID#: 061000026

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Alternative analysis and assessment of additional protection of basin needed during design to control flows for 100-yr event.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000077

Drainage area (Square miles, est.): 0.17

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures: 0

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.01

Number of low water crossings:

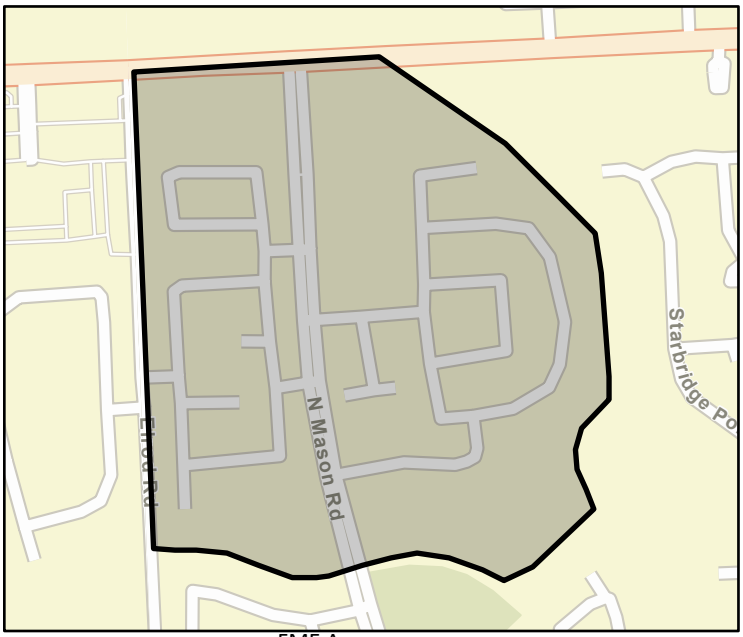
Historical road closures:

Estimated Cost and Funding Availability

Total Cost: 750,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Lake Shadows Subdivision Drainage Improvements

ID#: 061000027

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study and development of a FMP of recommended alternative 5 which includes installing the Foley trunk line downstream of the pipelines, upsizing and installing new outfalls, and installing the Belle Cote trunk line.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000025,06000096

Drainage area (Square miles, est.): 1.44

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 149

# of structures: 41

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.48

Roadway(s) impacted (length): 0.00

Number of low water crossings: 0

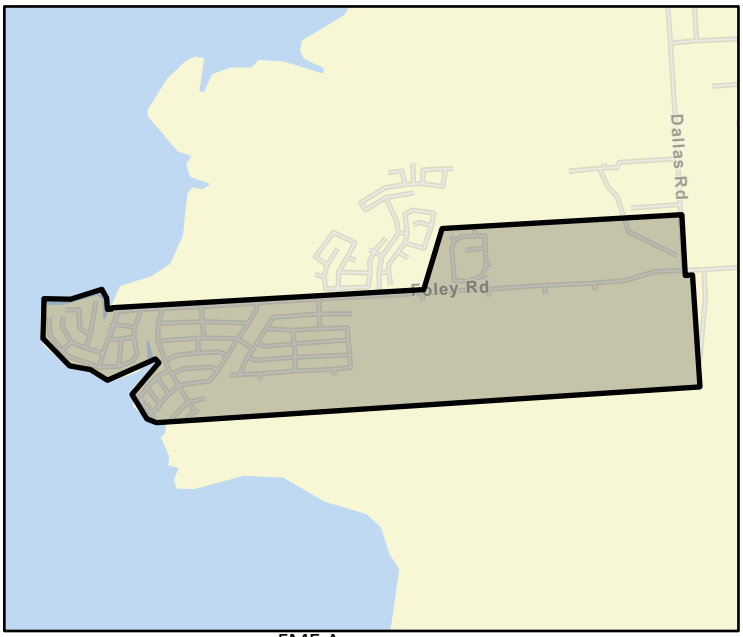
Historical road closures: 0

Estimated Cost and Funding Availability

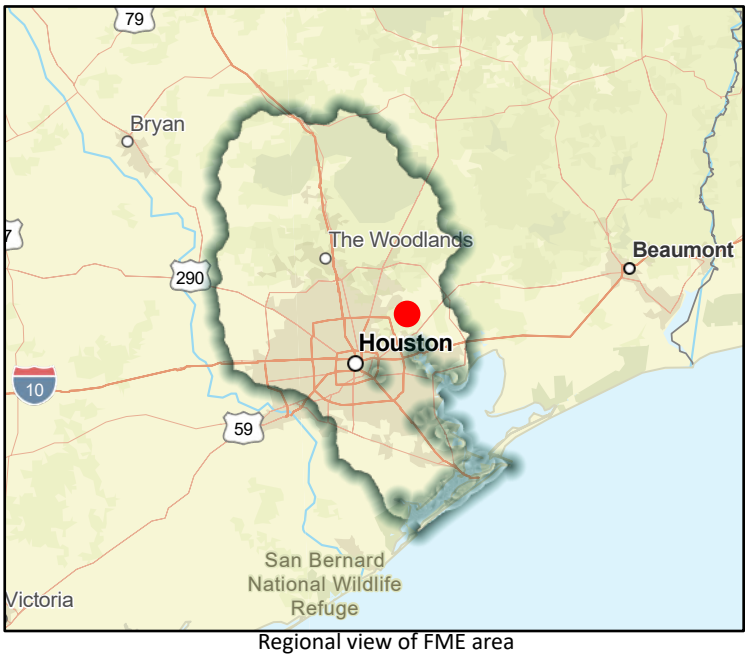
Total Cost: 280,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Gum Gully Rd, W Stroker Rd, Wigwam Ln, and Related Infrastructure Drainage Improvements

ID#: 061000028

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study as report recommendation (2019) indicates that regional drainage improvements to the streams must be studied and implemented before Harris County can obtain a benefit from roadway drainage improvements.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000096

Drainage area (Square miles, est.): 0.50

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 4

# of structures: 3

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.06

Number of low water crossings:

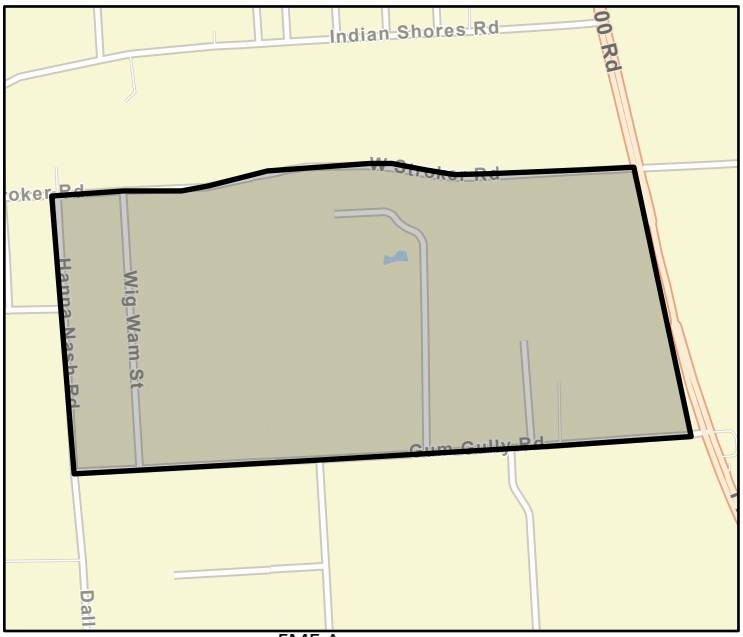
Historical road closures:

Estimated Cost and Funding Availability

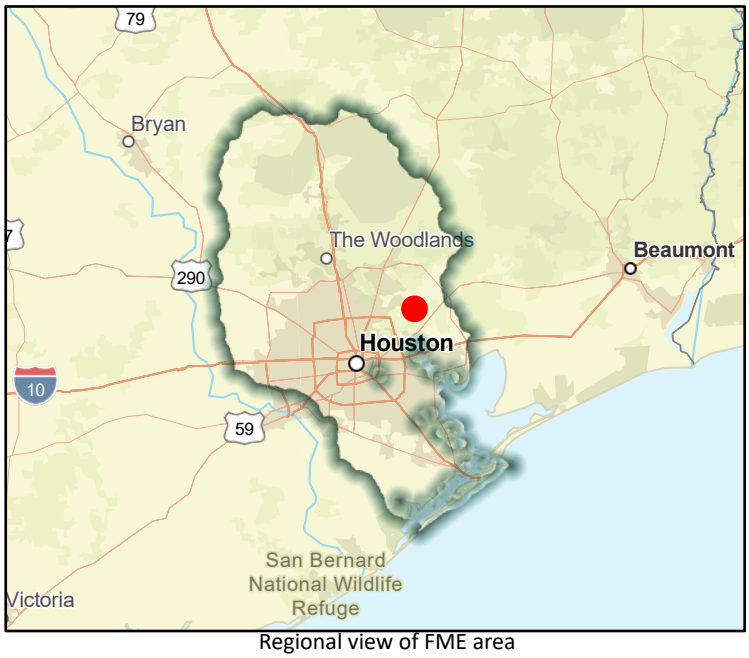
Total Cost: 130,000.00

Amount of Available Funding:

Funding source: Harris County Bond PRogram 2018



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Spanish Cove Subdivision Drainage Assessment

ID#: 061000029

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Additional analysis needed to confirm no negative effects. It is expected the larger channel can safely convey the increase in flows, but this must be demonstrated during the project design phase.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000025,06000096

Drainage area (Square miles, est.): 0.79

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures:

Critical facilities:

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.00

Number of low water crossings:

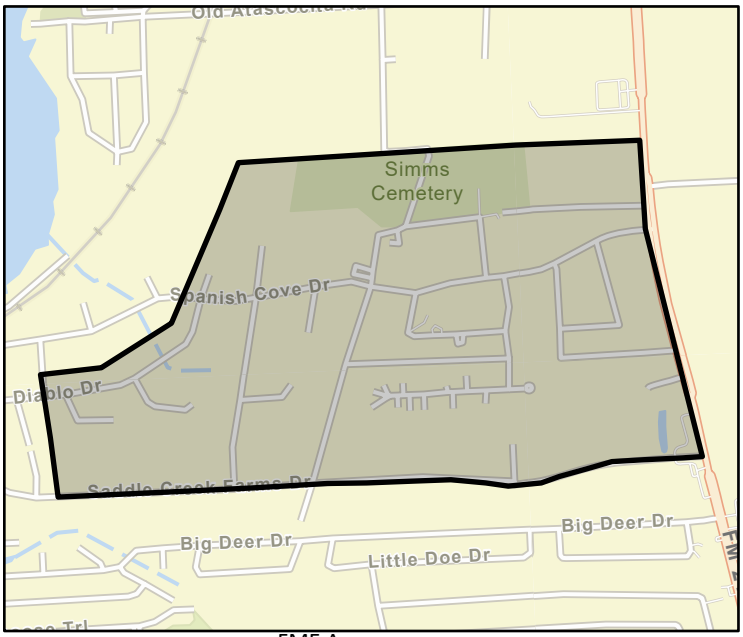
Historical road closures:

Estimated Cost and Funding Availability

Total Cost: 150,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Shoreacres Drainage Assessment

ID#: 061000031

Sponsor (name of entity, not person): 06003544

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further analysis necessary to determine downstream impacts and whether any additional volume in A104-11-00 would be available during a coincident event on Taylor Bayou.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Chambers,Harris

Watershed HUC# (if known): 06000106

Drainage area (Square miles, est.): 0.96

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,148

# of structures: 801

Critical facilities: 3

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.23

Roadway(s) impacted (length): 17.17

Number of low water crossings: 1

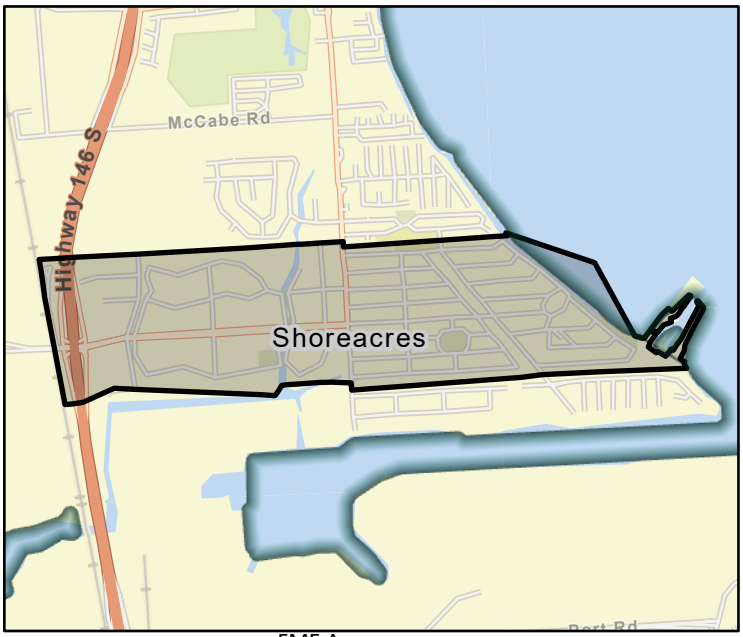
Historical road closures: 1

Estimated Cost and Funding Availability

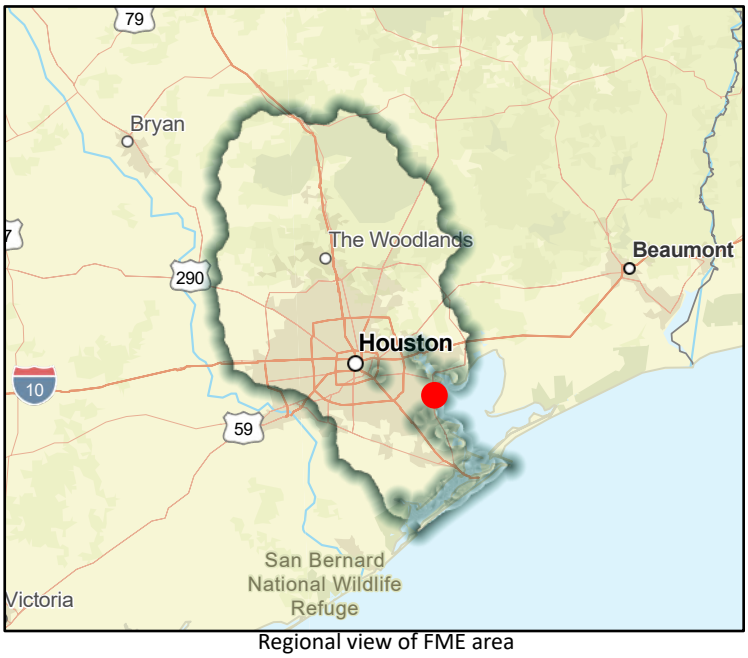
Total Cost: 100,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Overflow Flooding between Burlington Northern RR and Huffsmith-Kohrville Rd

ID#: 061000032

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Willow Creek - Overflow Flooding between Burlington Northern Railroad and Hufsmith-Kohrville Rd

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000031,06000030,06000037,06000042,06000041,06000044

Drainage area (Square miles, est.): 2.17

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 8

# of structures: 10

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 2.66

Roadway(s) impacted (length): 0.51

Number of low water crossings: 1

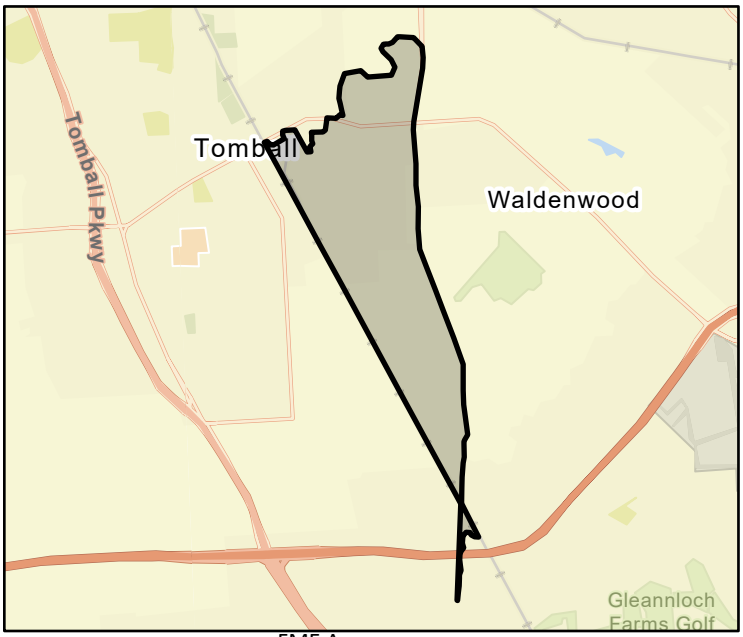
Historical road closures: 1

Estimated Cost and Funding Availability

Total Cost: 590,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Galveston Bay Watershed Plan - Analysis of PA07 100-year Conveyance Project

ID#: 061000034

Sponsor (name of entity, not person): 00000310

RFPG recommend? Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Galveston Bay Watershed Plan - Analysis of PA07 100-year Conveyance Project

New Hydrologic or Hydraulic model? Yes

Emergency Need? Yes

Existing/Anticipated models in near term? Yes

County: Chambers,Harris

Watershed HUC# (if known): 06000098,06000106

Drainage area (Square miles, est.): 19.29

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 8,623

# of structures: 3,301

Critical facilities: 107

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 17.82

Roadway(s) impacted (length): 55.06

Number of low water crossings: 0

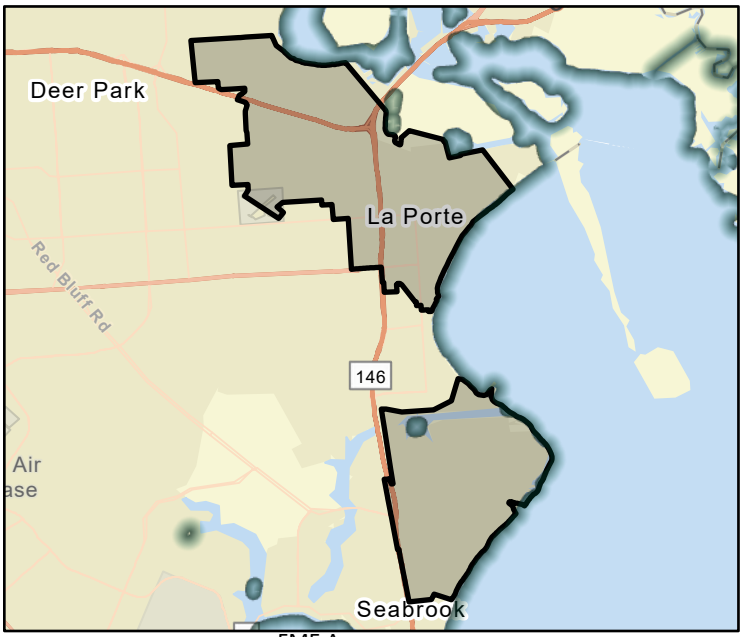
Historical road closures: 0

Estimated Cost and Funding Availability

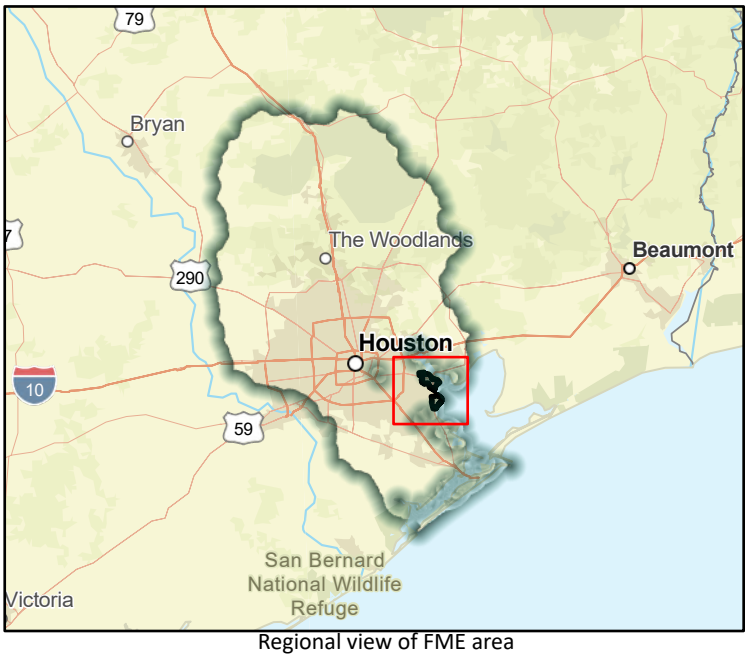
Total Cost: 400,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Galveston Bay Watershed Plan - Analysis of PA08 100-year Conveyance Project

ID#: 061000035

Sponsor (name of entity, not person): 00000310

RFPG recommend? Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Galveston Bay Watershed Plan - Analysis of PA08 100-year Conveyance Project

New Hydrologic or Hydraulic model? Yes

Emergency Need? Yes

Existing/Anticipated models in near term? Yes

County: Chambers,Harris

Watershed HUC# (if known): 06000098,06000106

Drainage area (Square miles, est.): 19.29

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 8,623

# of structures: 3,301

Critical facilities: 107

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 17.82

Roadway(s) impacted (length): 55.06

Number of low water crossings: 0

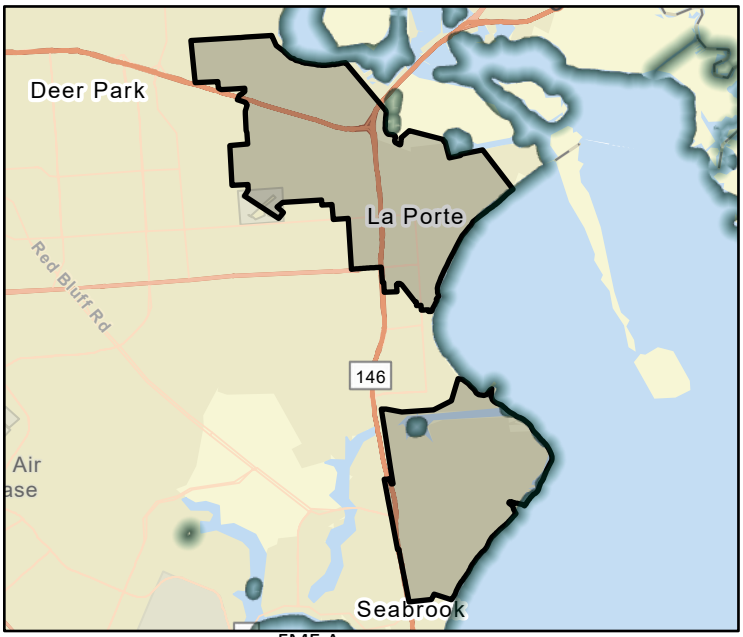
Historical road closures: 0

Estimated Cost and Funding Availability

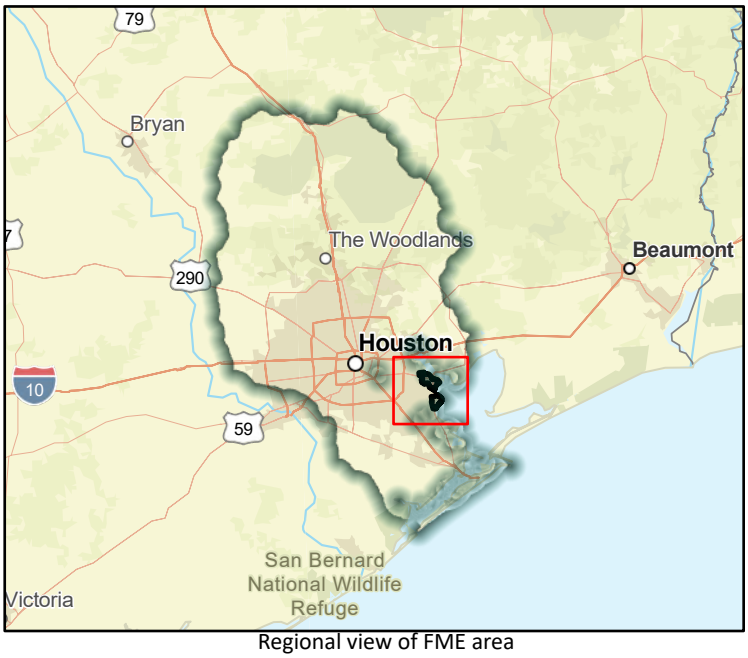
Total Cost: 800,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Alvin Flood Gauges

ID#: 061000037

Sponsor (name of entity, not person): 00003020

RFPG recommend? Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to identify areas where best to purchase additional flood gauges to be placed at bayous and key high water areas within City of Alvin.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County: Brazoria,Galveston,Fort Bend

Watershed HUC# (if known): 06000108,06000107,06000109,06000106

Drainage area (Square miles, est.): 25.09

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 15,192

# of structures: 3,445

Critical facilities: 16

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 262.30

Roadway(s) impacted (length): 56.81

Number of low water crossings: 0

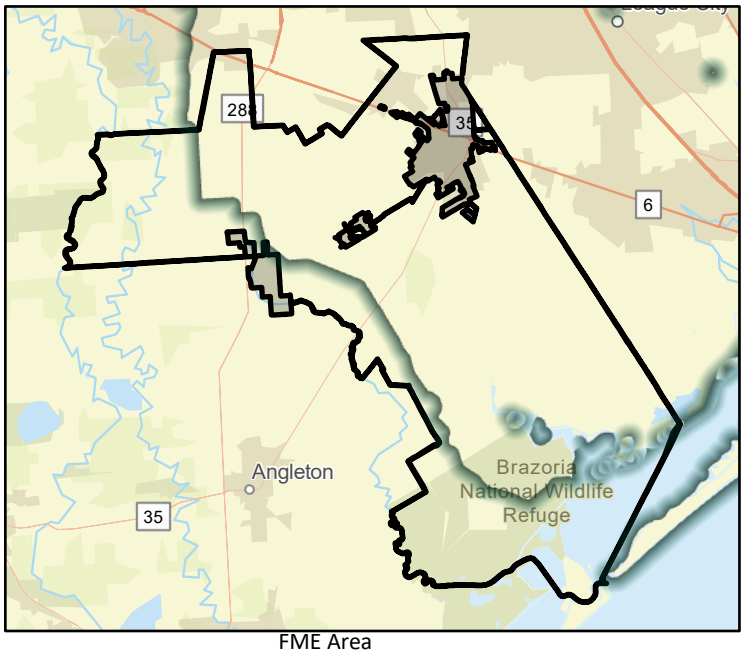
Historical road closures: 0

Estimated Cost and Funding Availability

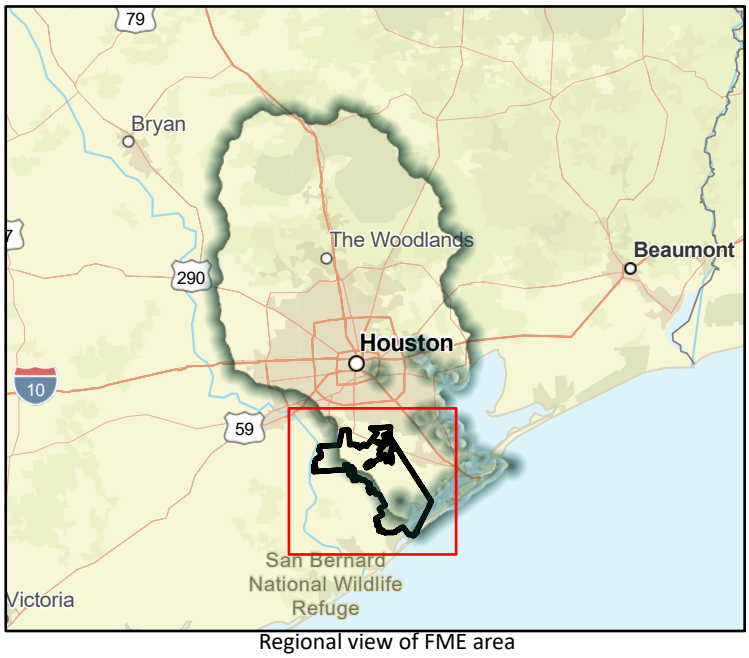
Total Cost: 50,000.00

Amount of Available Funding: 25,000.00

Funding source: Other



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Brazoria County Costal River Flood Extent Analysis

ID#: 061000038

Sponsor (name of entity, not person): 00000003

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to determine flood extents, in Brazoria County, of recent hurricane disasters, by analyzing the post event aerial imagery through a GIS image classification process, and compare the flood extent area to other sources, such as LIDAR.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Brazoria

Watershed HUC# (if known): 06000108,06000107,06000109,06000106

Drainage area (Square miles, est.): 1,481.87

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 38,615

# of structures: 18,836

Critical facilities: 246

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 8,584.16

Roadway(s) impacted (length): 328.07

Number of low water crossings: 0

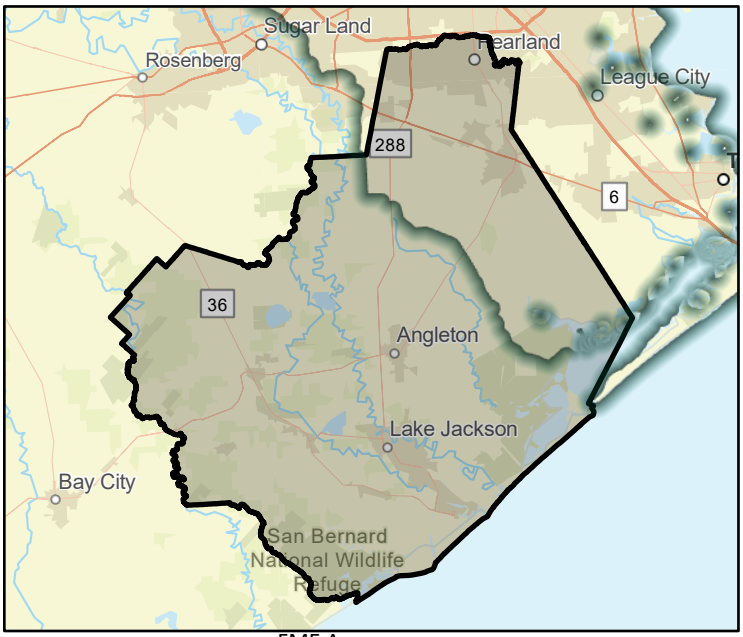
Historical road closures: 0

Estimated Cost and Funding Availability

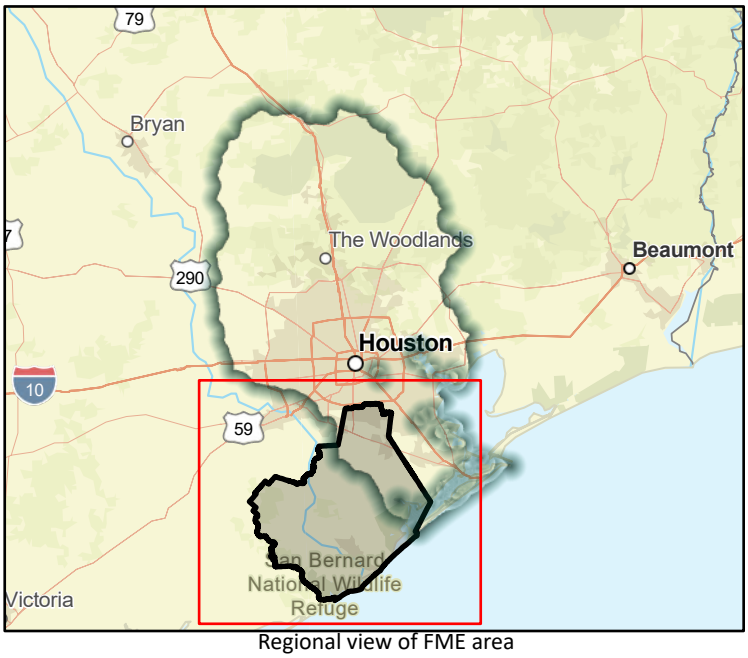
Total Cost: 50,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Alvin Master Drainage Plan

ID#: 061000039

Sponsor (name of entity, not person): 00003020

RFPG recommend? Yes | Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Comprehensive review of current drainage, studies and recommendations for future projects and studies to create a Master Drainage Plan for the City of Alvin.

New Hydrologic or Hydraulic model? Yes | Emergency Need? No | Existing/Anticipated models in near term? No

County: Brazoria,Galveston,Fort Bend | Watershed HUC# (if known): 06000108,06000107,06000109,06000106

Drainage area (Square miles, est.): 25.09 | Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 15,192 | # of structures: 3,445 | Critical facilities: 16

Flood risk type: Riverine? No | Coastal? No | Local? Yes | Playa? No | Other? No

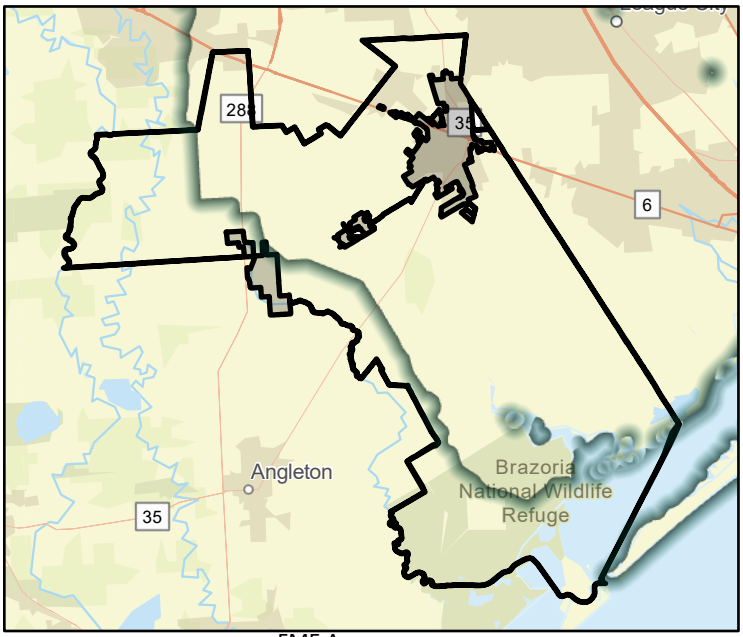
Farm/Ranch land impacted (acres): 262.30 | Roadway(s) impacted (length): 56.81

Number of low water crossings: 0 | Historical road closures: 0

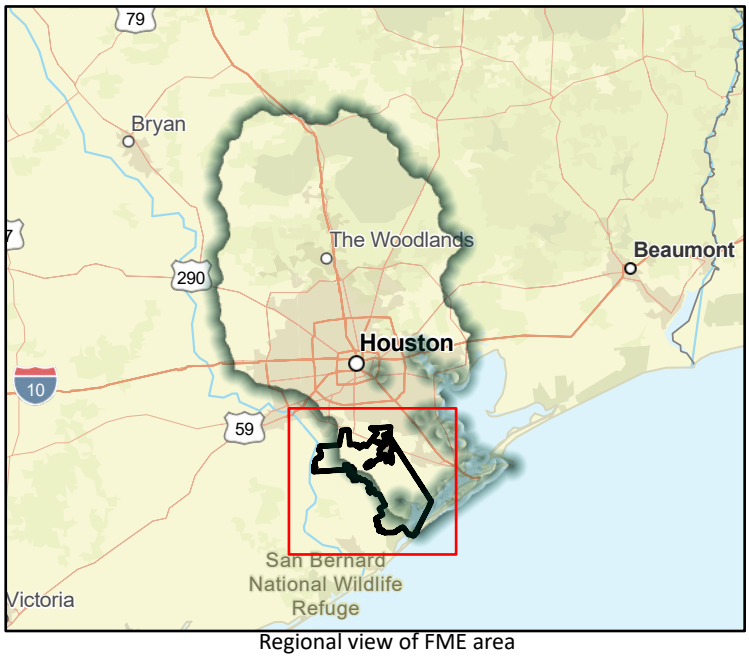
Estimated Cost and Funding Availability

Total Cost: 100,000.00 | Amount of Available Funding: 50,000.00

Funding source: Entity/ Budget Funds



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Alvin Open Space Preservation

ID#: 061000040

Sponsor (name of entity, not person): 00003020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study for open space preservation within adjacent development, dedication of conservation easements or fee simple acquisition of land along Mustang Bayou.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Brazoria,Galveston,Fort Bend

Watershed HUC# (if known): 06000108,06000107,06000109,06000106

Drainage area (Square miles, est.): 25.09

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 15,192

# of structures: 3,445

Critical facilities: 16

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 262.30

Roadway(s) impacted (length): 56.81

Number of low water crossings: 0

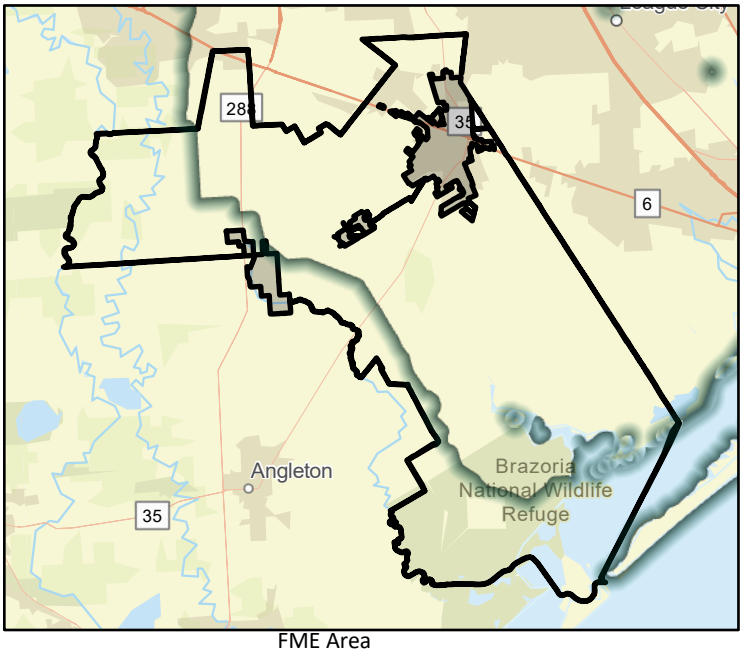
Historical road closures: 0

Estimated Cost and Funding Availability

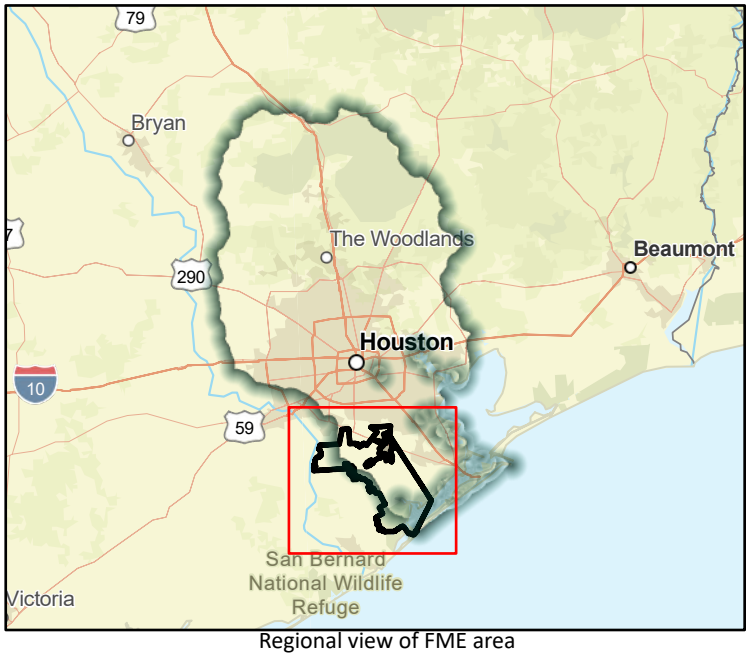
Total Cost: 500,000.00

Amount of Available Funding: 0.00

Funding source: Other



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Manvel SH. 6 Drainage Improvements

ID#: 061000041

Sponsor (name of entity, not person): 06002985

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of state Highway 6 drainage improvements, including storm sewer upgrades to meet current capacities, ditch deepening, and sub regional detention ponds. Project will also widen and reshape ditches, and upgrade culverts.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Brazoria

Watershed HUC# (if known): 06000107,06000109,06000106

Drainage area (Square miles, est.): 27.41

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 6,741

# of structures: 1,249

Critical facilities: 8

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 178.81

Roadway(s) impacted (length): 43.32

Number of low water crossings: 0

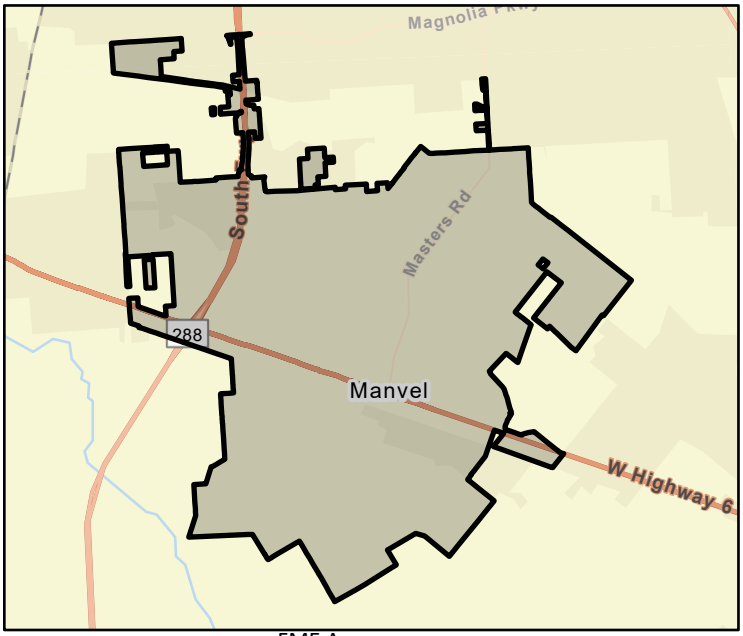
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 3,000,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Chambers County Dam and Levee Failure Inundation Map Update

ID#: 061000042

Sponsor (name of entity, not person): 00000013

RFPG recommend? Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Further study for all participating jurisdiction to update dam and levee failure inundation maps, and update floodplain and floodway maps throughout the county. The updated maps will also be made available to the public.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County: Chambers

Watershed HUC# (if known): 06000103,06000102,06000104,06000105

Drainage area (Square miles, est.): 865.55

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 715

# of structures: 151

Critical facilities: 0

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 354.08

Roadway(s) impacted (length): 7.30

Number of low water crossings: 0

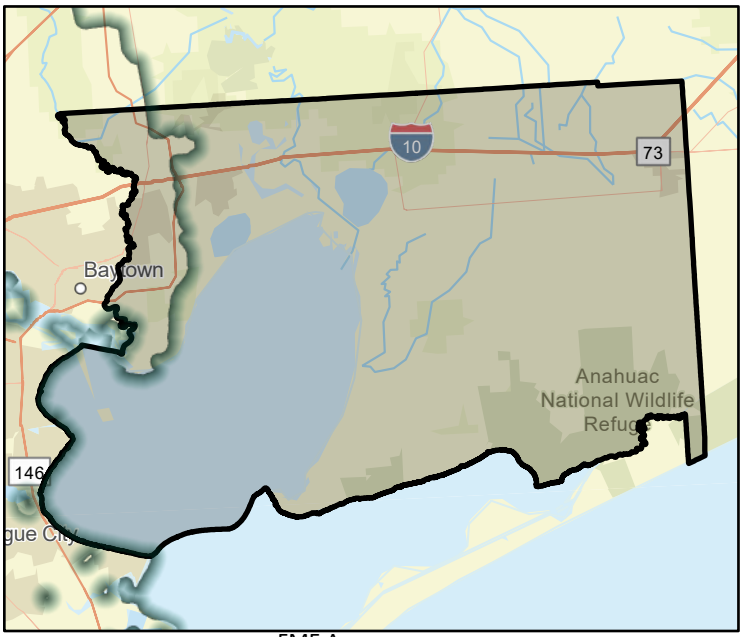
Historical road closures: 0

Estimated Cost and Funding Availability

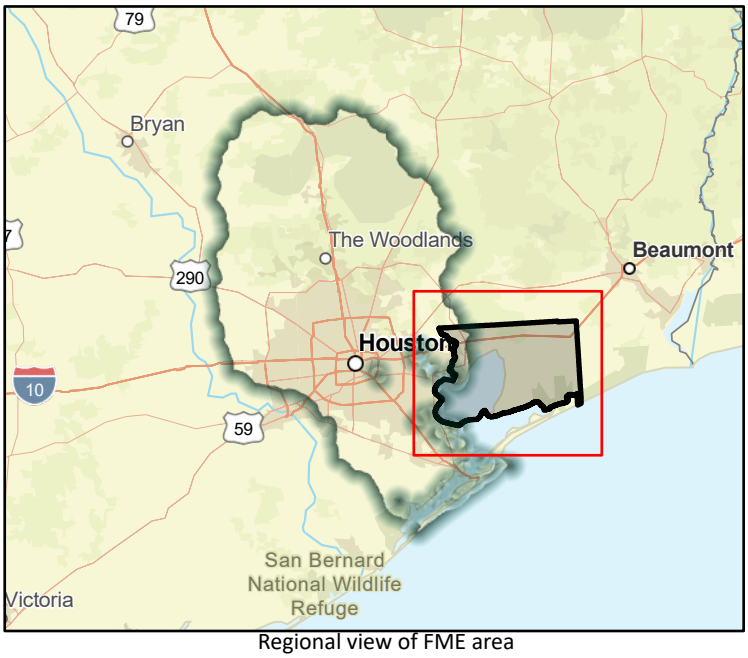
Total Cost: 25,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Alvin Detention Pond Construction - Mustang and Dickinson Bayou

ID#: 061000043

Sponsor (name of entity, not person): 00003020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further assessment and design of detention ponds needed along Mustang and Dickinson Bayous to reduce flood risk in the City of Alvin.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Brazoria,Galveston,Fort Bend

Watershed HUC# (if known): 06000108,06000107,06000109,06000106

Drainage area (Square miles, est.): 25.09

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 15,192

# of structures: 3,445

Critical facilities: 16

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 262.30

Roadway(s) impacted (length): 56.81

Number of low water crossings: 0

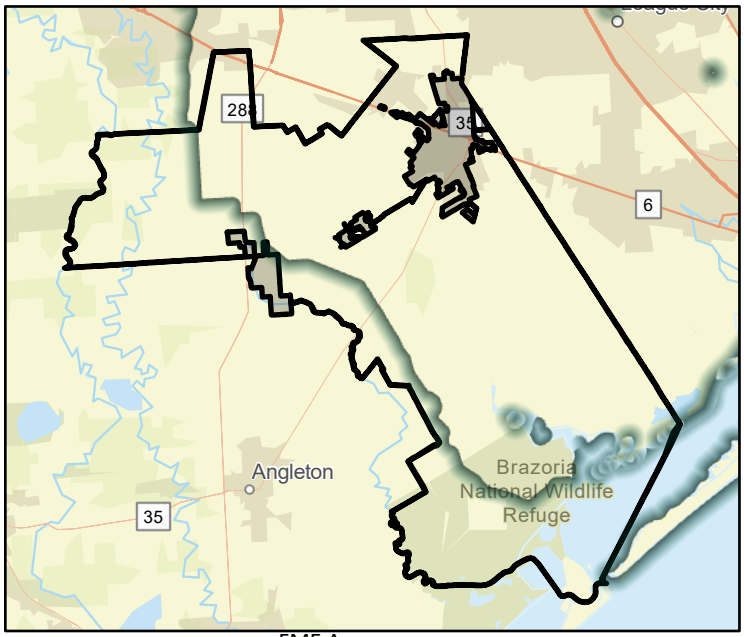
Historical road closures: 0

Estimated Cost and Funding Availability

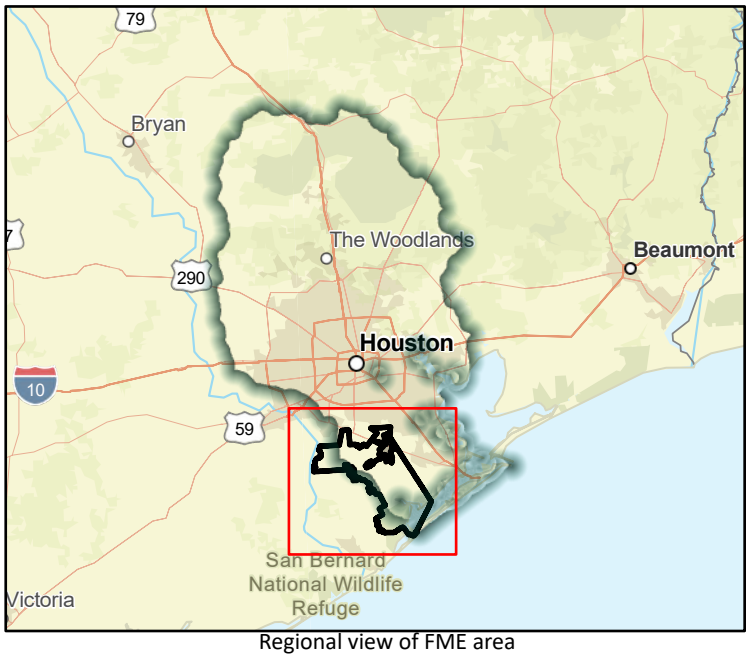
Total Cost: 200,000.00

Amount of Available Funding: 50,000.00

Funding source: Entity/ Budget Funds



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Chambers County Property Protection

ID#: 061000044

Sponsor (name of entity, not person): 00000013

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to determine flood risk reduction potential of clearing obstacles, widen and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding throughout all participating jurisdictions.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Chambers

Watershed HUC# (if known): 06000103,06000102,06000104,06000105

Drainage area (Square miles, est.): 865.55

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 715

# of structures: 151

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 354.08

Roadway(s) impacted (length): 7.30

Number of low water crossings: 0

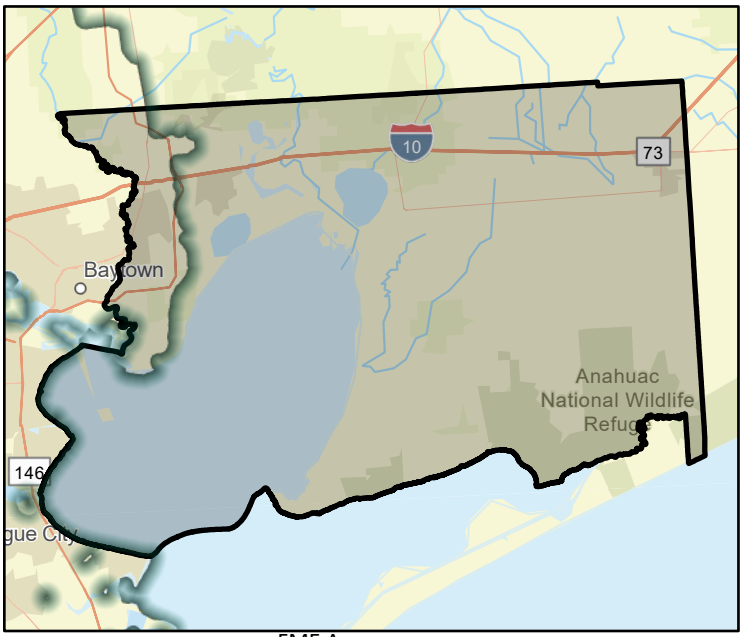
Historical road closures: 0

Estimated Cost and Funding Availability

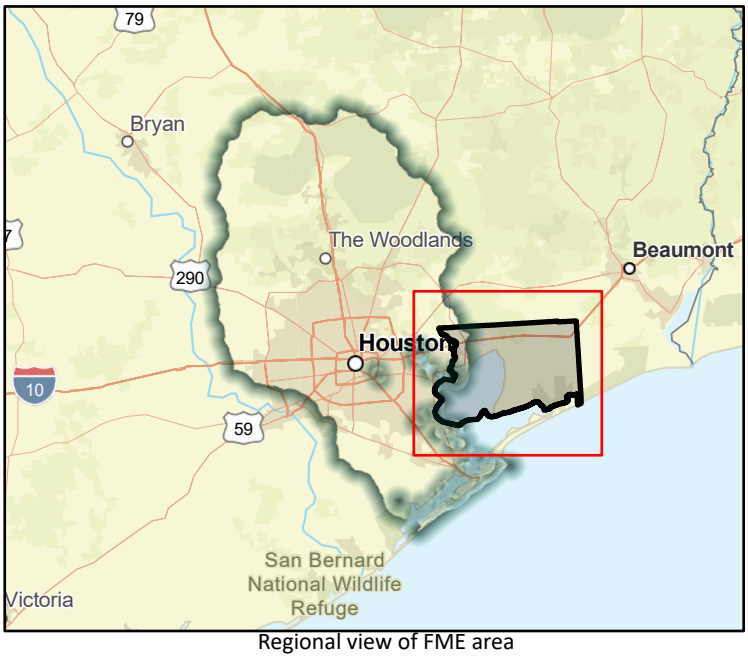
Total Cost: 500,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Manvel Flora St. Drainage Improvements

ID#: 061000045

Sponsor (name of entity, not person): 06002985

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study of possbile Flora Street drainage improvements: widen and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding in Manvel neighborhoods.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Brazoria

Watershed HUC# (if known): 06000107,06000109,06000106

Drainage area (Square miles, est.): 27.41

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 6,741

# of structures: 1,249

Critical facilities: 8

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 178.81

Roadway(s) impacted (length): 43.32

Number of low water crossings: 0

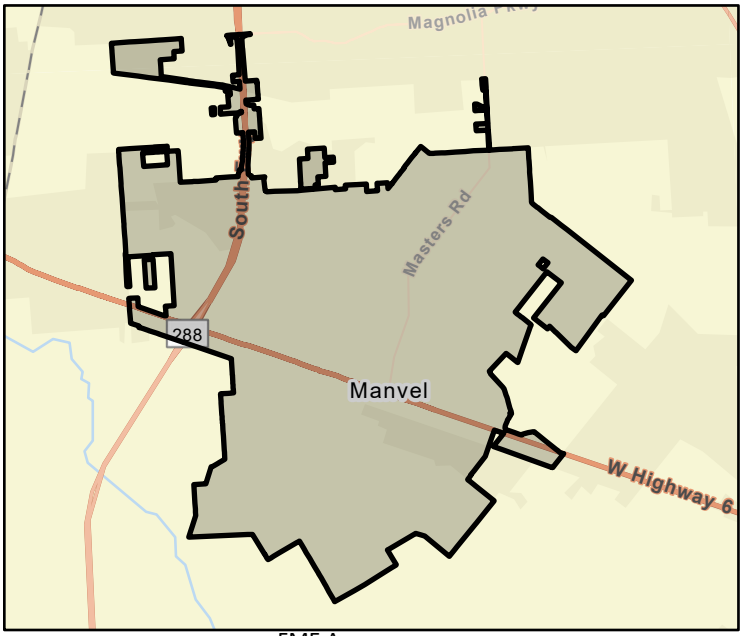
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 100,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Brazoria County Drainage Improvements

ID#: 061000046

Sponsor (name of entity, not person): 00000003

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Drainage study needed and evaluated of alternatives include: Widen and reshape drainage ditches, and upgrade culverts to restore adequate drainage to mitigate flooding.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Brazoria

Watershed HUC# (if known): 06000108,06000107,06000109,06000106

Drainage area (Square miles, est.): 1,481.87

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 38,615

# of structures: 18,836

Critical facilities: 246

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 8,584.16

Roadway(s) impacted (length): 328.07

Number of low water crossings: 0

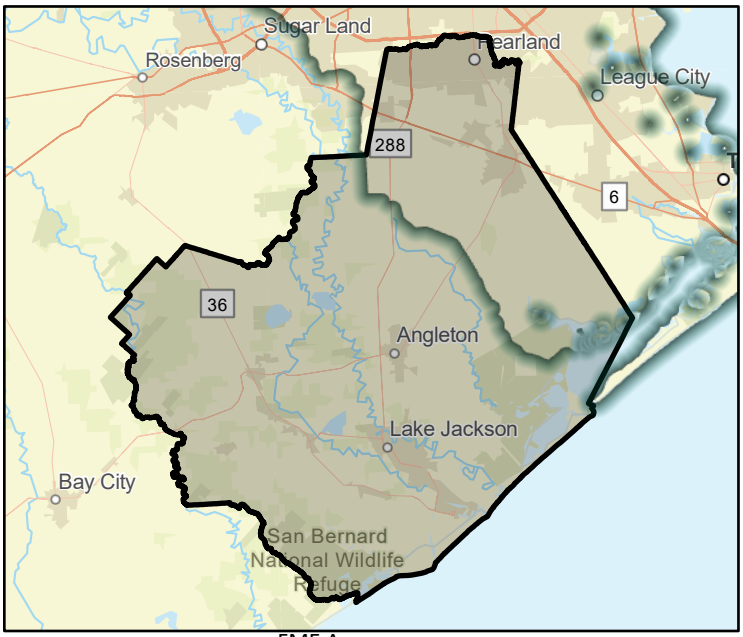
Historical road closures: 0

Estimated Cost and Funding Availability

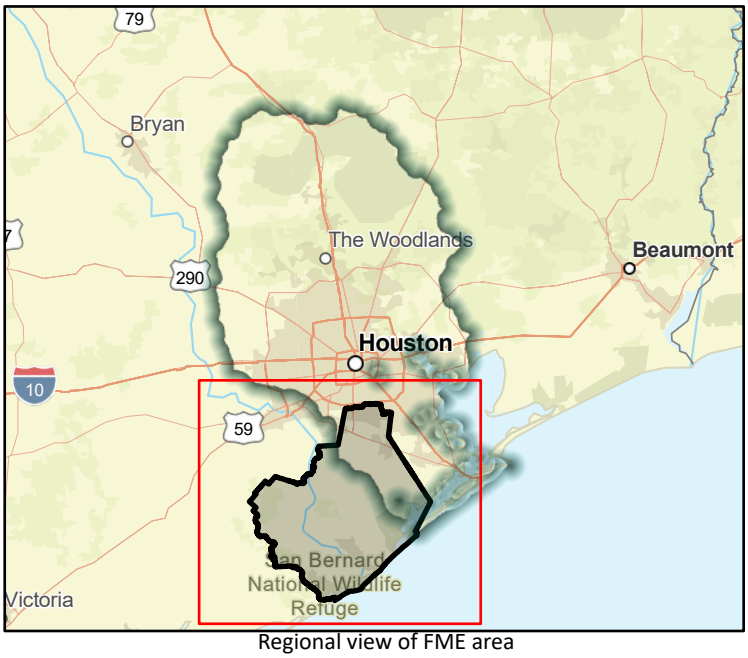
Total Cost: 350,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Manvel Various Drainage Improvements

ID#: 061000047

Sponsor (name of entity, not person): 06002985

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study of various drainage improvements, including storm sewer rehabilitation and ditch deepening.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Brazoria

Watershed HUC# (if known): 06000107,06000109,06000106

Drainage area (Square miles, est.): 27.41

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 6,741

# of structures: 1,249

Critical facilities: 8

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 178.81

Roadway(s) impacted (length): 43.32

Number of low water crossings: 0

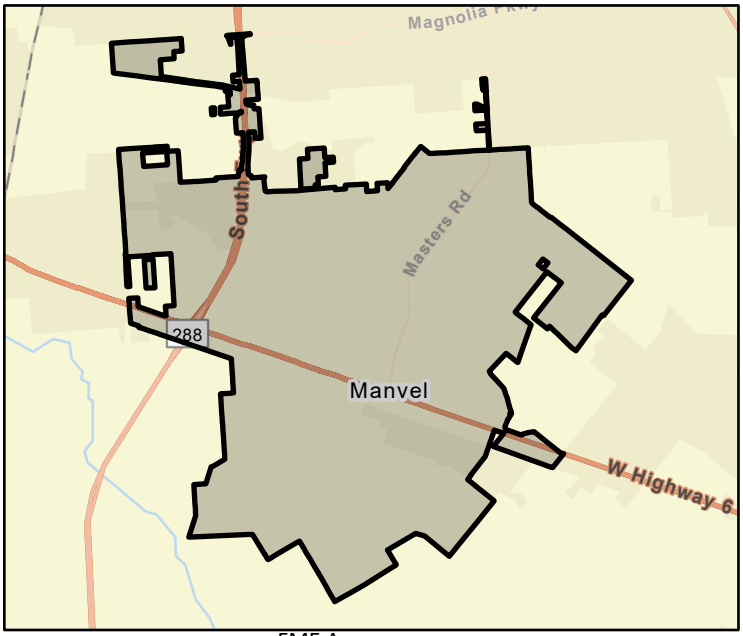
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 460,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Brazoria County Property Protection

ID#: 061000048

Sponsor (name of entity, not person): 00000003

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study required to assess alternatives to restore drainage and mitigate flooding throughout the county.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Brazoria

Watershed HUC# (if known): 06000108,06000107,06000109,06000106

Drainage area (Square miles, est.): 1,481.87

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 38,615

# of structures: 18,836

Critical facilities: 246

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 8,584.16

Roadway(s) impacted (length): 328.07

Number of low water crossings: 0

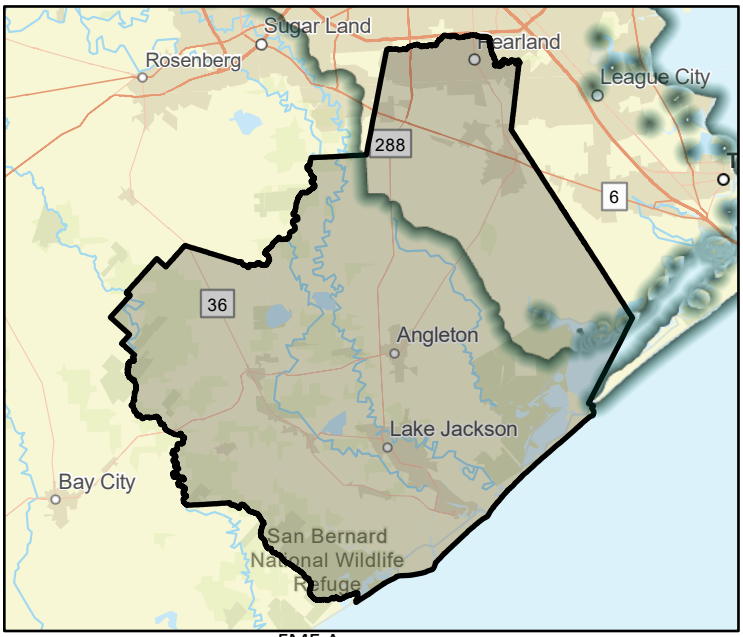
Historical road closures: 0

Estimated Cost and Funding Availability

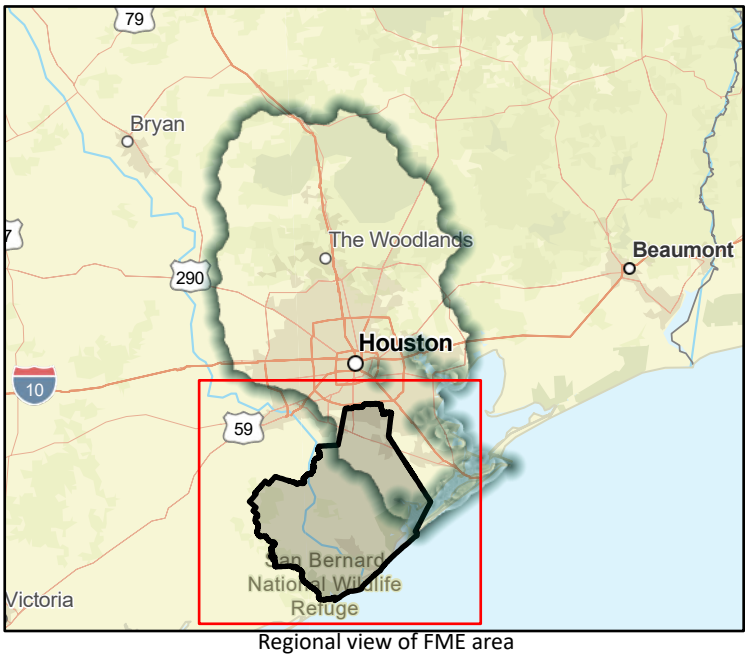
Total Cost: 500,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Hillcrest Village Drainage Improvements

ID#: 061000049

Sponsor (name of entity, not person): 06003026

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study and FMP developement required to assess alternatives to restore drainage and mitigate flooding throughout the City of Hillcrest Village.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Brazoria

Watershed HUC# (if known): 06000109

Drainage area (Square miles, est.): 0.44

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 333

# of structures: 128

Critical facilities: 1

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.14

Roadway(s) impacted (length): 2.08

Number of low water crossings: 0

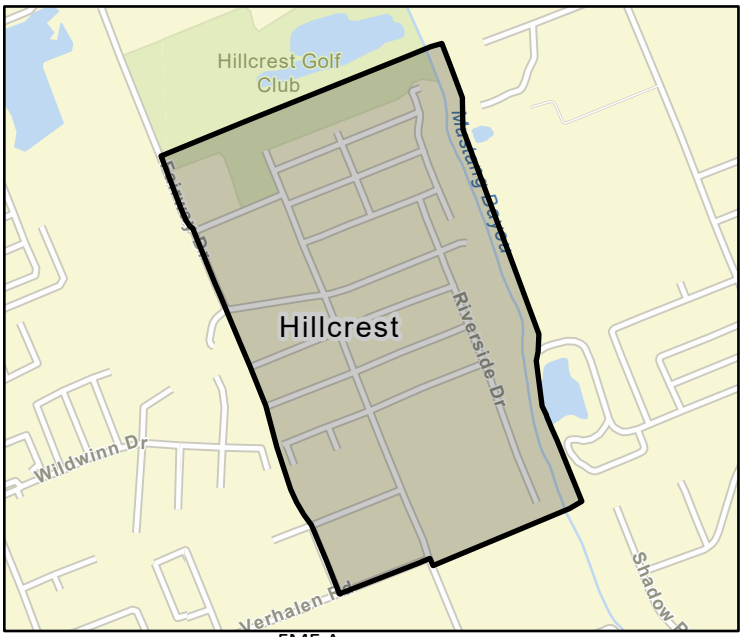
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 130,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: West Chocolate Bayou (CR 383 Ditch)

ID#: 061000050

Sponsor (name of entity, not person): 06001583

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Brazoria,Fort Bend

Watershed HUC# (if known): 06000109

Drainage area (Square miles, est.): 3.37

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures: 0

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.05

Roadway(s) impacted (length): 0.02

Number of low water crossings: 0

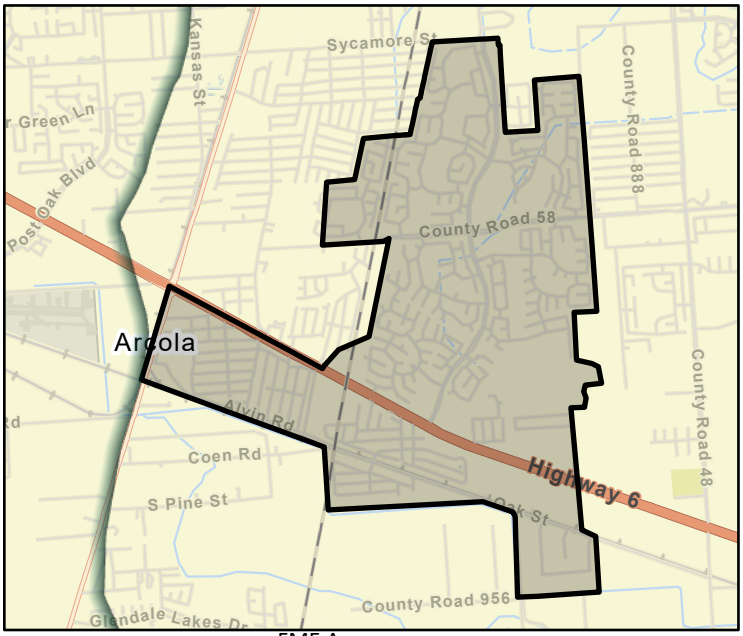
Historical road closures: 0

Estimated Cost and Funding Availability

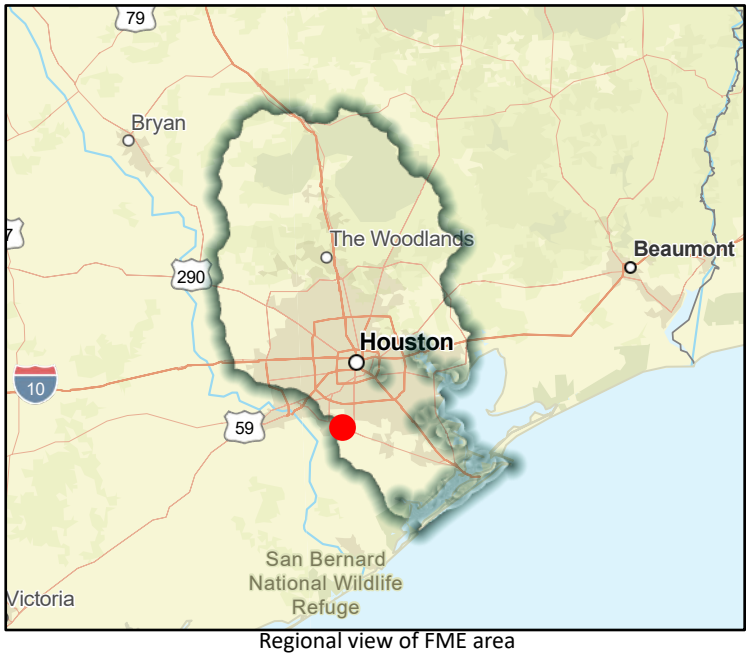
Total Cost: 253,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: West Fork Chocolate (Cold River Ranch Ditch)

ID#: 061000051

Sponsor (name of entity, not person): 06001583

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of proposed channel modifications to Cold River Ranch Ditch included in the City of Pearland master drainage plan to include Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Brazoria

Watershed HUC# (if known): 06000109

Drainage area (Square miles, est.): 1.61

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 56

# of structures: 60

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.45

Roadway(s) impacted (length): 1.20

Number of low water crossings:

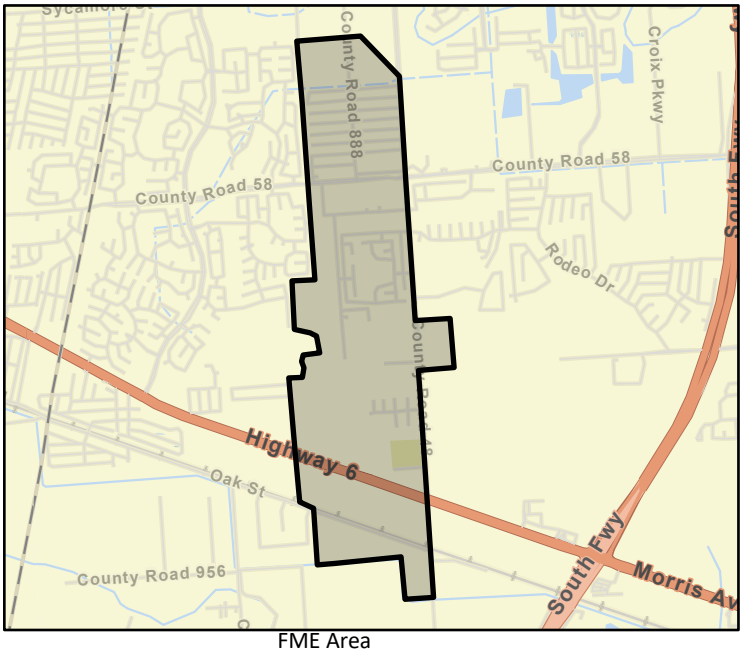
Historical road closures:

Estimated Cost and Funding Availability

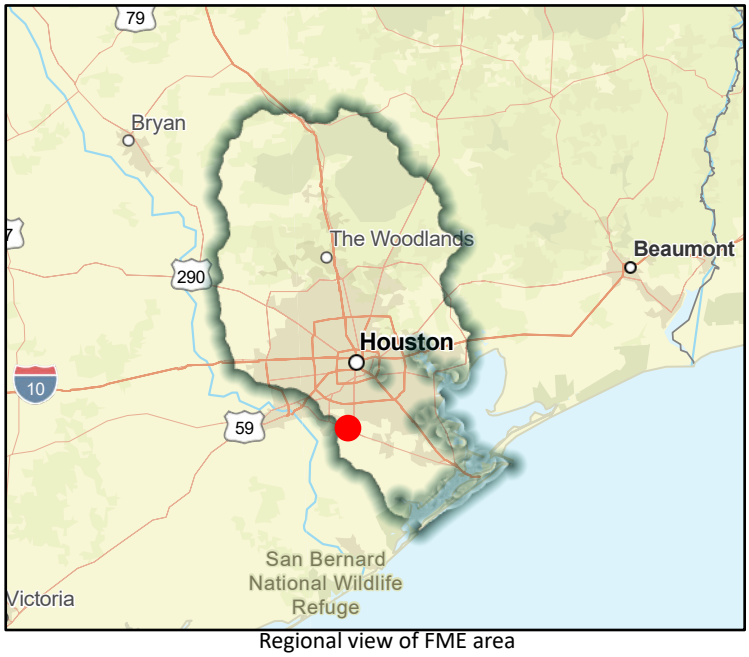
Total Cost: 200,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: West Fork Chocolate Bayou

ID#: 061000052

Sponsor (name of entity, not person): 06001583

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Brazoria,Fort Bend

Watershed HUC# (if known): 06000109

Drainage area (Square miles, est.): 13.89

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 393

# of structures: 295

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 157.04

Roadway(s) impacted (length): 6.01

Number of low water crossings: 0

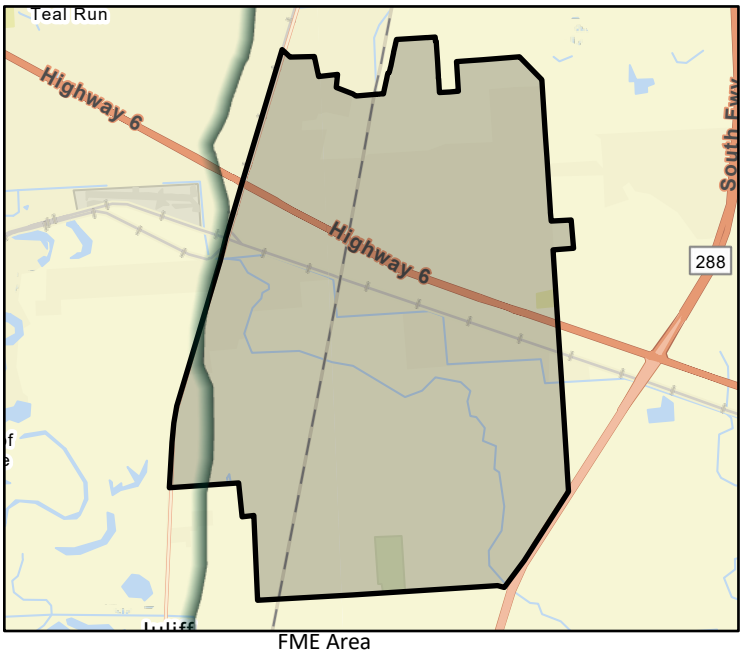
Historical road closures: 0

Estimated Cost and Funding Availability

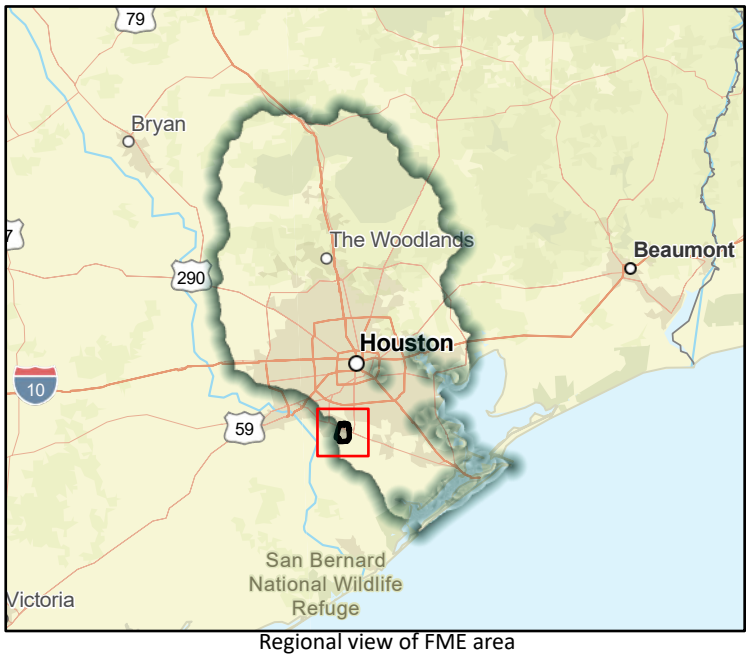
Total Cost: 2,072,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: East Chocolate Bayou (E103-00-00)

ID#: 061000053

Sponsor (name of entity, not person): 06001583

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Brazoria

Watershed HUC# (if known): 06000109

Drainage area (Square miles, est.): 0.49

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures:

Critical facilities:

Flood risk type: Riverine?: Yes Coastal?: No Local?: No Playa?: No Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.02

Number of low water crossings:

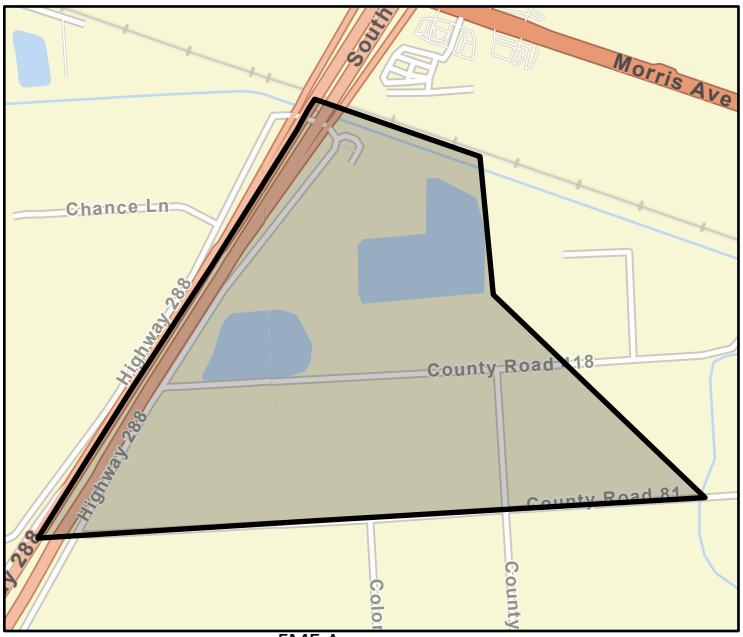
Historical road closures:

Estimated Cost and Funding Availability

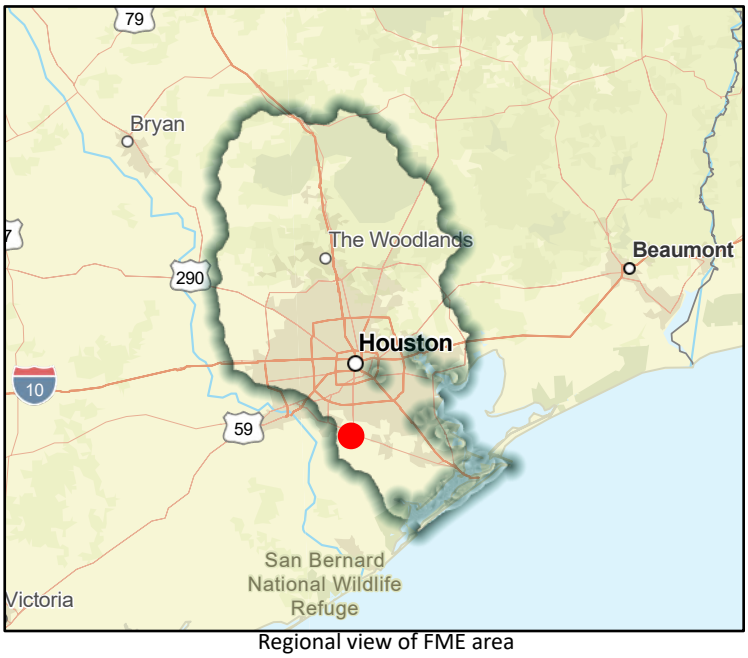
Total Cost: 48,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Cannon Ditch Segment 2

ID#: 061000054

Sponsor (name of entity, not person): 06001583

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Brazoria

Watershed HUC# (if known): 06000107,06000106

Drainage area (Square miles, est.): 5.71

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 641

# of structures: 572

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 26.85

Roadway(s) impacted (length): 2.78

Number of low water crossings: 0

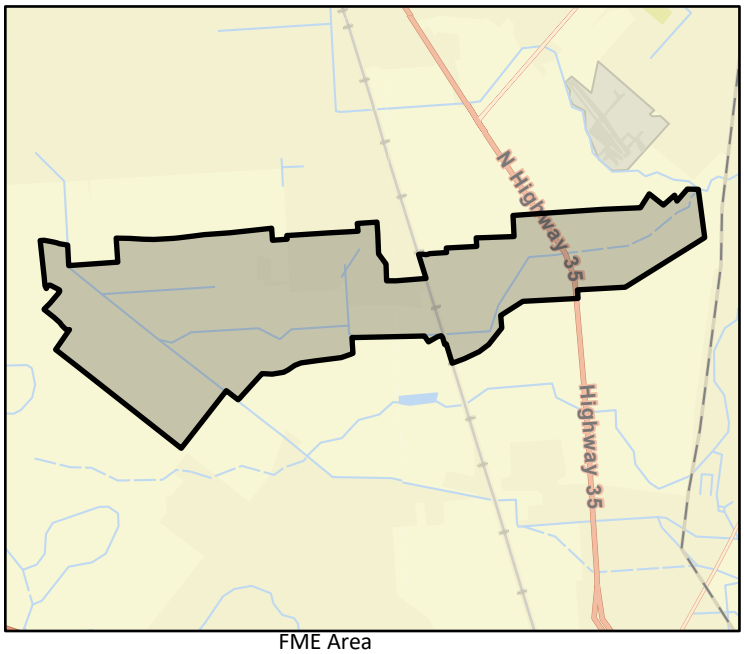
Historical road closures: 0

Estimated Cost and Funding Availability

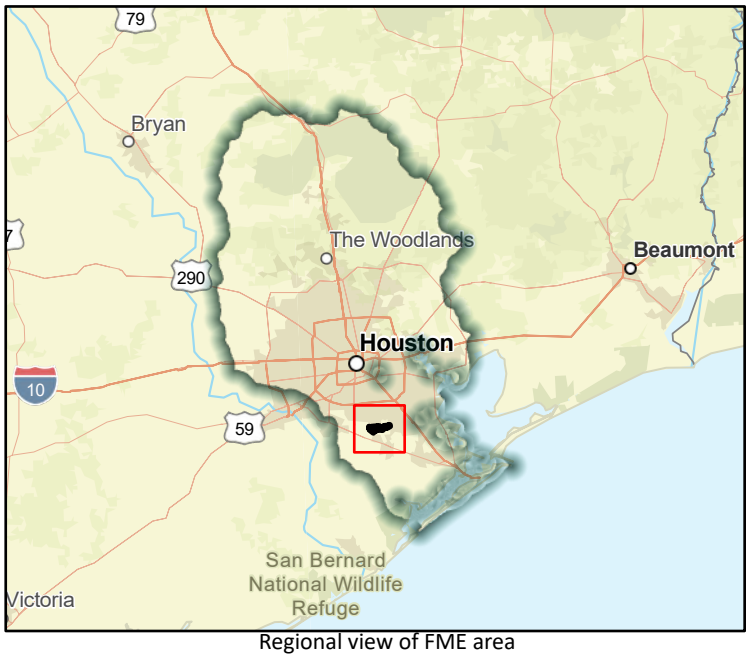
Total Cost: 932,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Galveston Coastal Road Elevation

ID#: 061000055

Sponsor (name of entity, not person): 06002809

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Elevate coastal roads to better protect public during evacuation and to protect the roads from flood damage, where feasible.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Galveston

Watershed HUC# (if known): 06000108,06000107,06000109,06000110

Drainage area (Square miles, est.): 211.08

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 64,299

# of structures: 21,848

Critical facilities: 500

Flood risk type: Riverine?: No

Coastal?: Yes

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 260.89

Roadway(s) impacted (length): 408.63

Number of low water crossings: 0

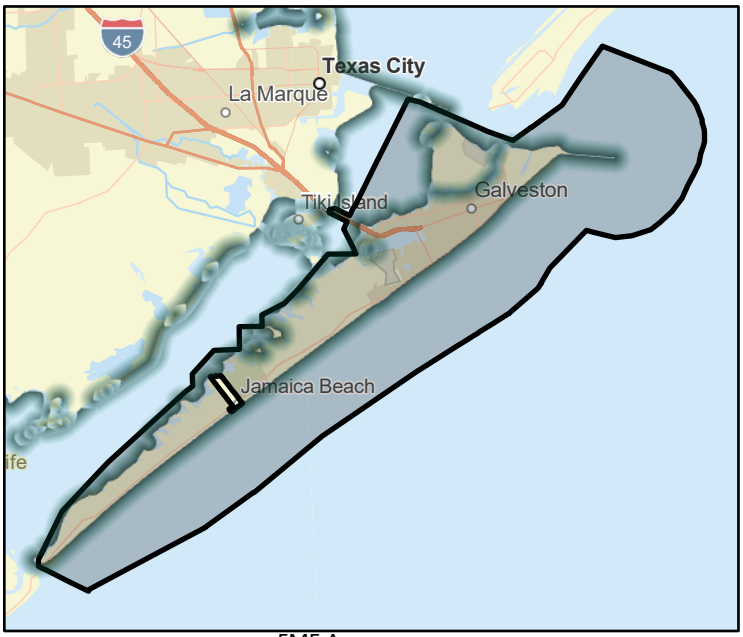
Historical road closures: 0

Estimated Cost and Funding Availability

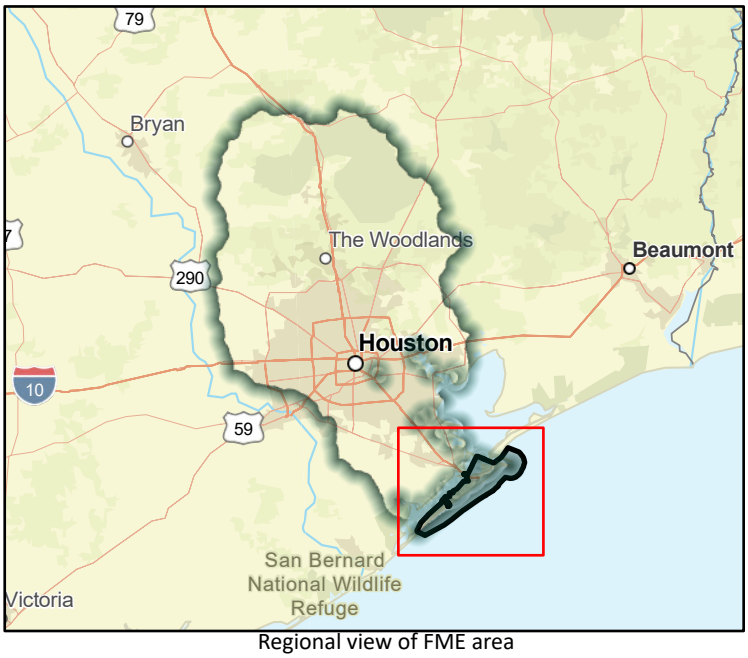
Total Cost: 1,000,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Hickory Slough (Upper Segment)

ID#: 061000057

Sponsor (name of entity, not person): 06002790

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Brazoria

Watershed HUC# (if known): 06000106

Drainage area (Square miles, est.): 4.75

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 915

# of structures: 413

Critical facilities: 4

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 6.49

Roadway(s) impacted (length): 1.57

Number of low water crossings: 0

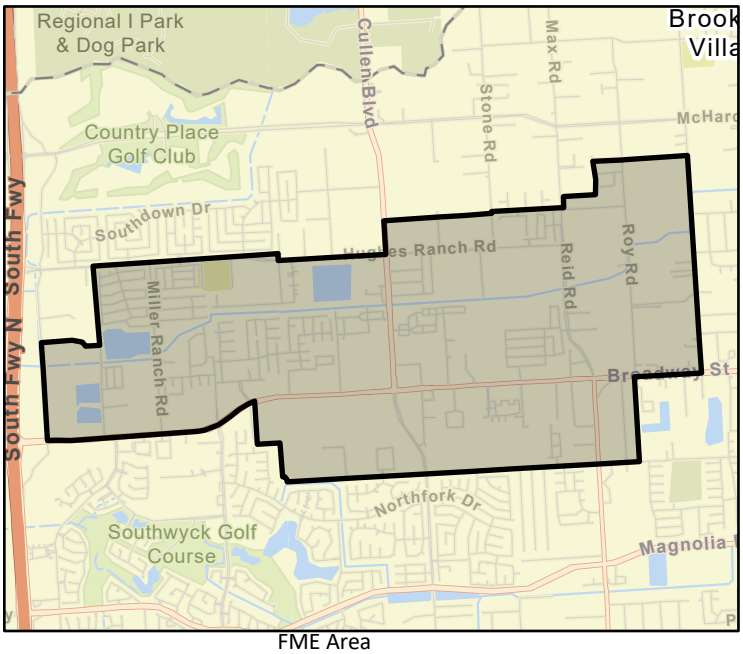
Historical road closures: 0

Estimated Cost and Funding Availability

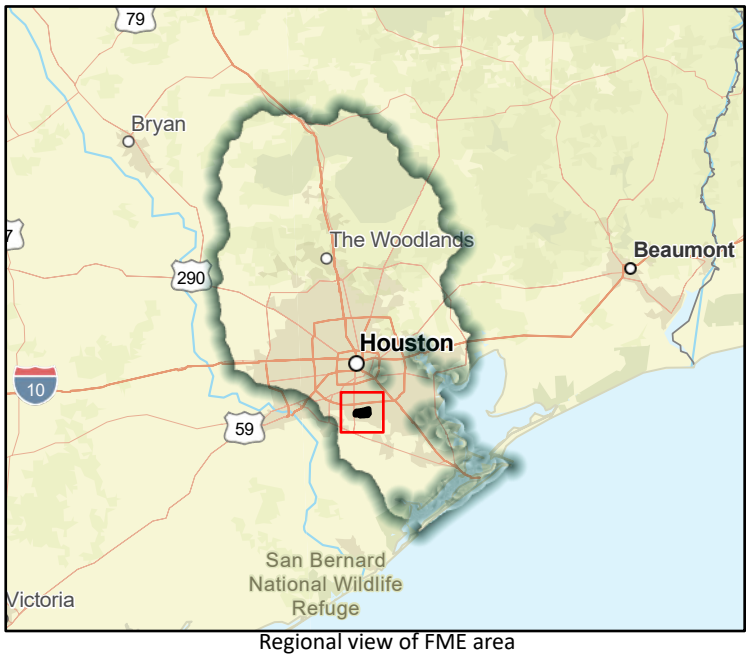
Total Cost: 1,136,000.00

Amount of Available Funding:

Funding source: Other



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Manvel Gates Loop Subdivision Drainage Improvement

ID#: 061000059

Sponsor (name of entity, not person): 06002985

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study proposed Gates Loop subdivision drainage improvement.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Brazoria

Watershed HUC# (if known): 06000109

Drainage area (Square miles, est.): 0.05

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures:

Critical facilities:

Flood risk type: Riverine?: No Coastal?: No Local?: Yes Playa?: No Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.00

Number of low water crossings:

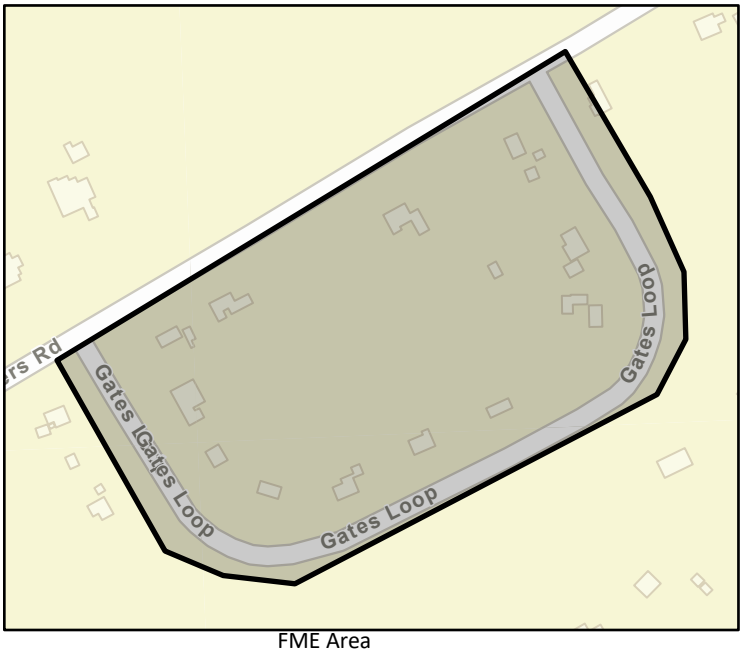
Historical road closures:

Estimated Cost and Funding Availability

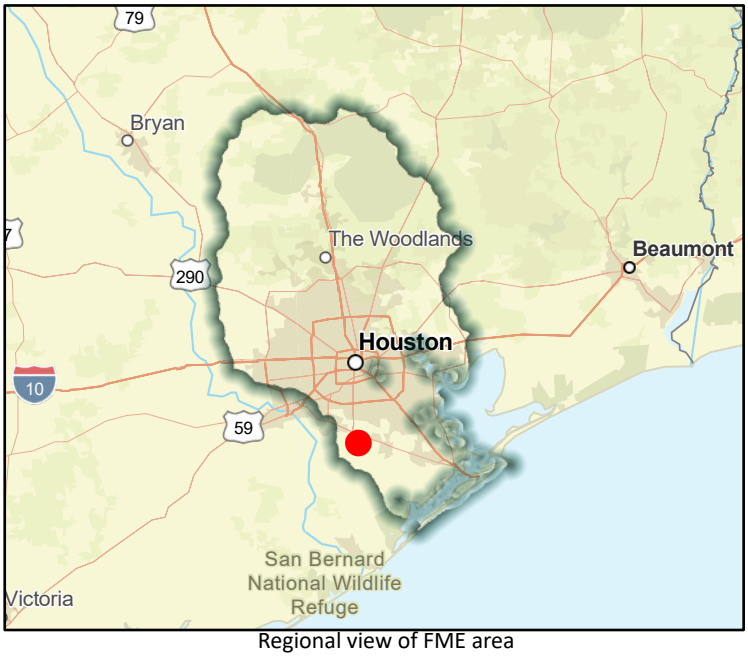
Total Cost: 100,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Hickory Slough Middle Segment

ID#: 061000060

Sponsor (name of entity, not person): 06002790

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Brazoria

Watershed HUC# (if known): 06000106

Drainage area (Square miles, est.): 1.83

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,275

# of structures: 353

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 8.21

Roadway(s) impacted (length): 4.09

Number of low water crossings: 0

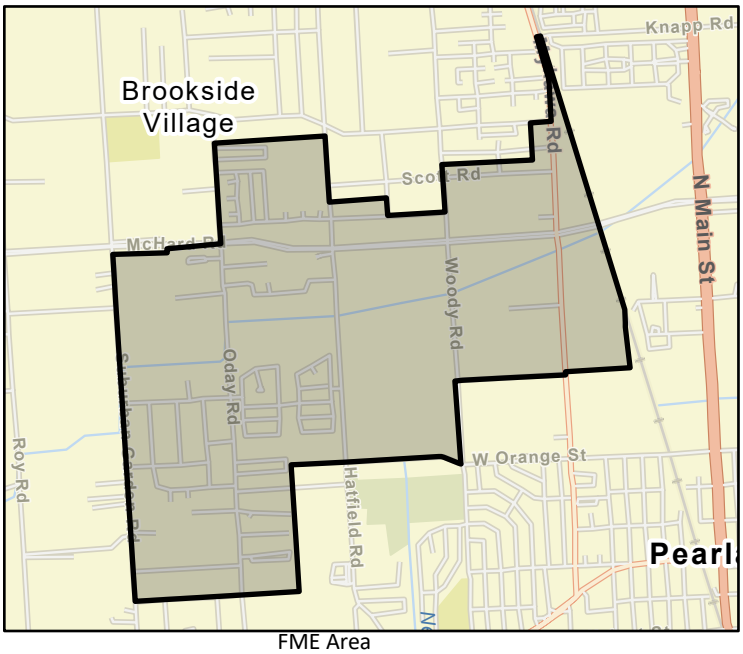
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 864,000.00

Amount of Available Funding:

Funding source: Other



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Mustang Bayou Middle Segment

ID#: 061000064

Sponsor (name of entity, not person): 06001583

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Brazoria,Fort Bend

Watershed HUC# (if known): 06000109

Drainage area (Square miles, est.): 5.35

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,668

# of structures: 256

Critical facilities: 1

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 39.30

Roadway(s) impacted (length): 5.62

Number of low water crossings: 0

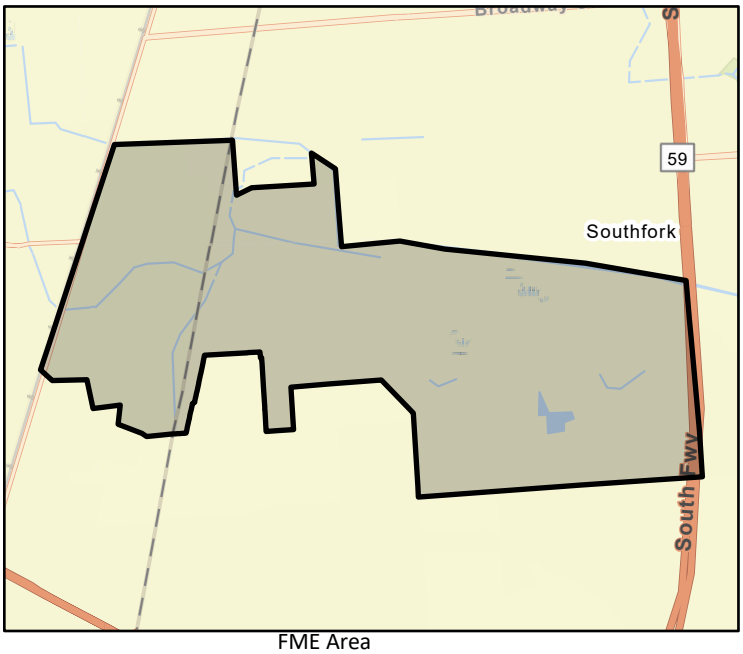
Historical road closures: 0

Estimated Cost and Funding Availability

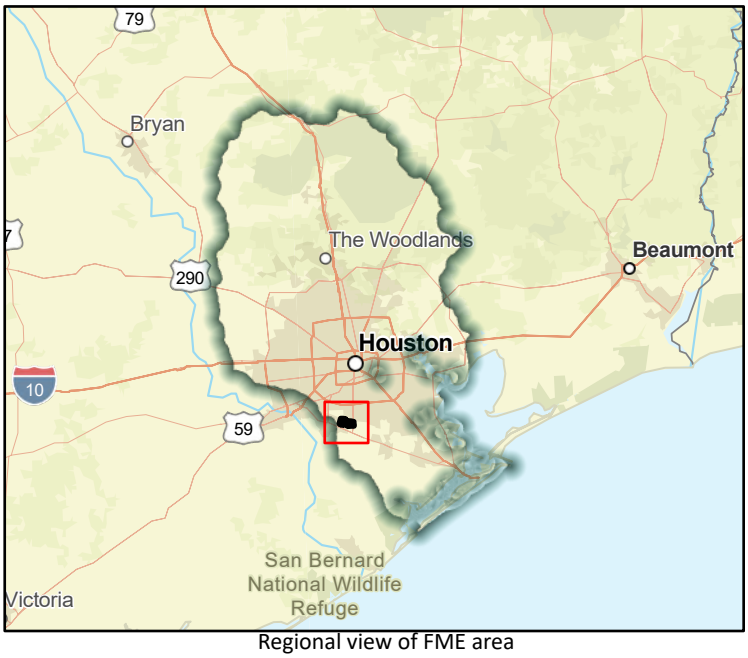
Total Cost: 1,212,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Hickory Slough Lower Segment

ID#: 061000065

Sponsor (name of entity, not person): 06002790

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Brazoria

Watershed HUC# (if known): 06000106

Drainage area (Square miles, est.): 1.01

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,097

# of structures: 424

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 4.77

Roadway(s) impacted (length): 6.26

Number of low water crossings: 0

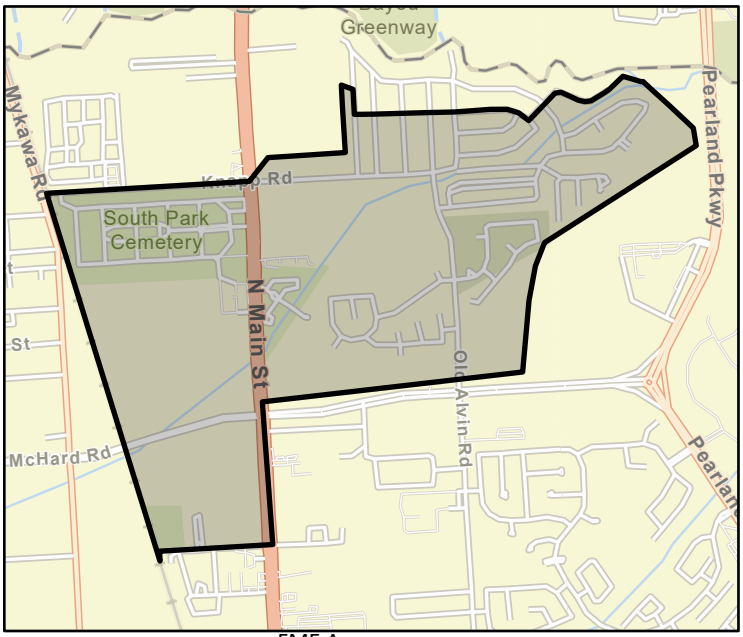
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 1,048,000.00

Amount of Available Funding:

Funding source: Other



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Mustang Bayou Upper Segment

ID#: 061000066

Sponsor (name of entity, not person): 06001583

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Fort Bend

Watershed HUC# (if known): 06000109,06000106

Drainage area (Square miles, est.): 7.07

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 771

# of structures: 415

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 19.52

Roadway(s) impacted (length): 4.48

Number of low water crossings: 3

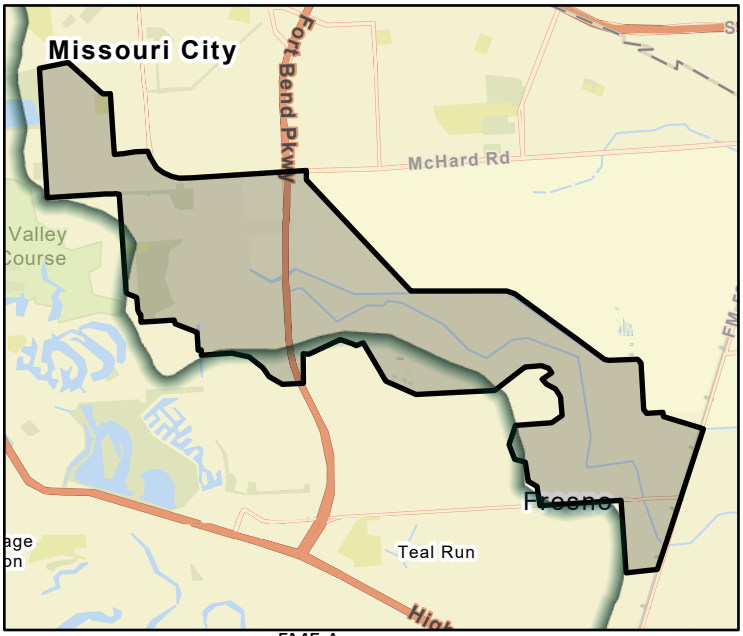
Historical road closures: 3

Estimated Cost and Funding Availability

Total Cost: 2,040,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Alvin Dickinson Bayou Watershed Study

ID#: 061000067

Sponsor (name of entity, not person): 00003020

RFPG recommend? Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study of Dickinson Bayou Watershed to determine drainage improvement alternatives.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County: Brazoria,Galveston,Fort Bend

Watershed HUC# (if known): 06000108,06000107,06000109,06000106

Drainage area (Square miles, est.): 25.09

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 15,192

# of structures: 3,445

Critical facilities: 16

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres): 262.30

Roadway(s) impacted (length): 56.81

Number of low water crossings: 0

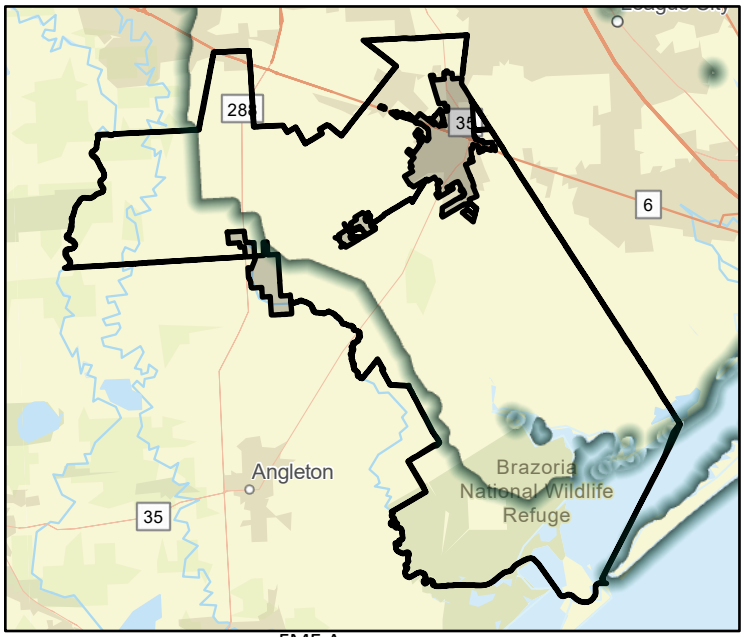
Historical road closures: 0

Estimated Cost and Funding Availability

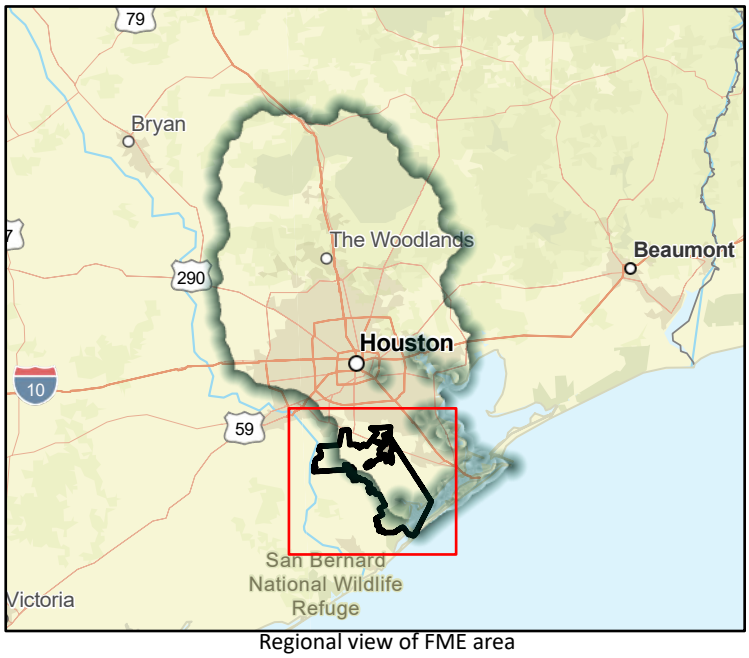
Total Cost: 500,000.00

Amount of Available Funding: 125,000.00

Funding source: Entity/ Budget Funds



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Galveston Shoreline Protection

ID#: 061000069

Sponsor (name of entity, not person): 06002809

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study and FMP development of a proposed shoreline protection for areas prone to coastal erosion.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Galveston

Watershed HUC# (if known): 06000108,06000107,06000109,06000110

Drainage area (Square miles, est.): 211.08

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 64,299

# of structures: 21,848

Critical facilities: 500

Flood risk type: Riverine?: No

Coastal?: Yes

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 260.89

Roadway(s) impacted (length): 408.63

Number of low water crossings: 0

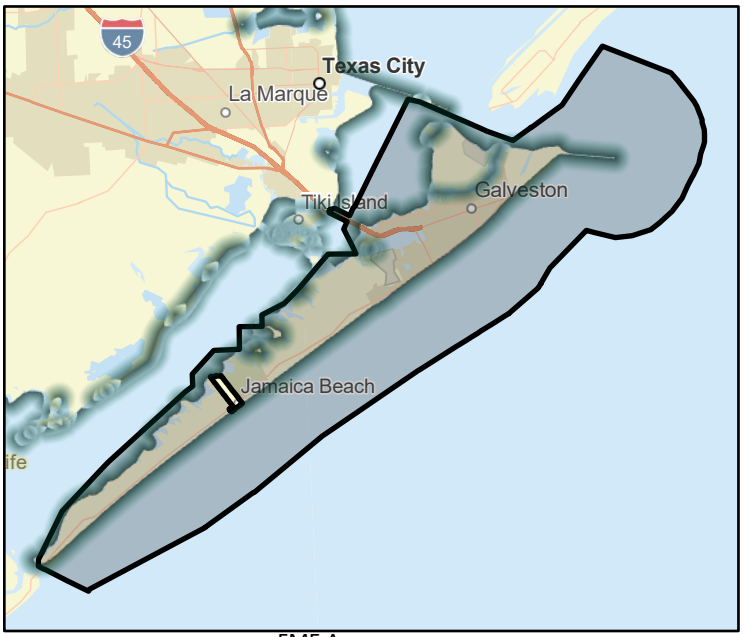
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 50,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Cowart Creek Segment 16

ID#: 061000070

Sponsor (name of entity, not person): 06002790

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Brazoria

Watershed HUC# (if known): 06000106

Drainage area (Square miles, est.): 2.18

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 278

# of structures: 150

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 7.82

Roadway(s) impacted (length): 1.11

Number of low water crossings: 0

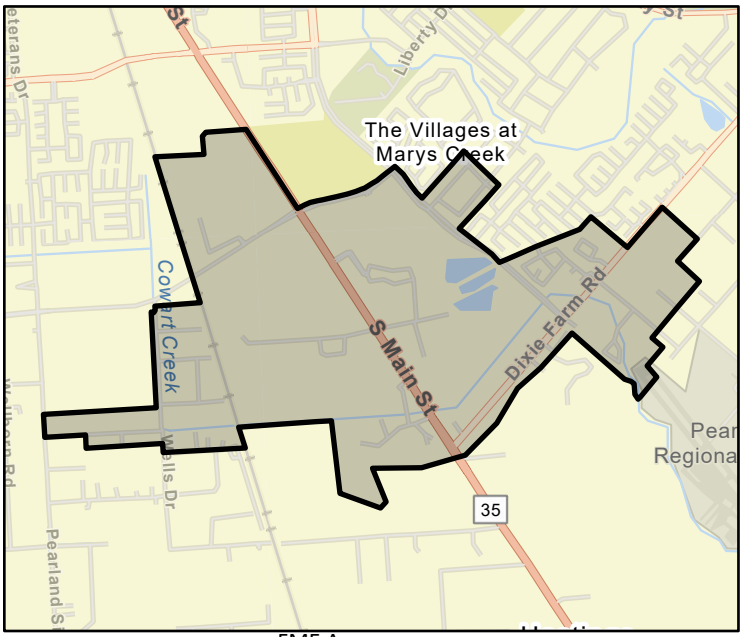
Historical road closures: 0

Estimated Cost and Funding Availability

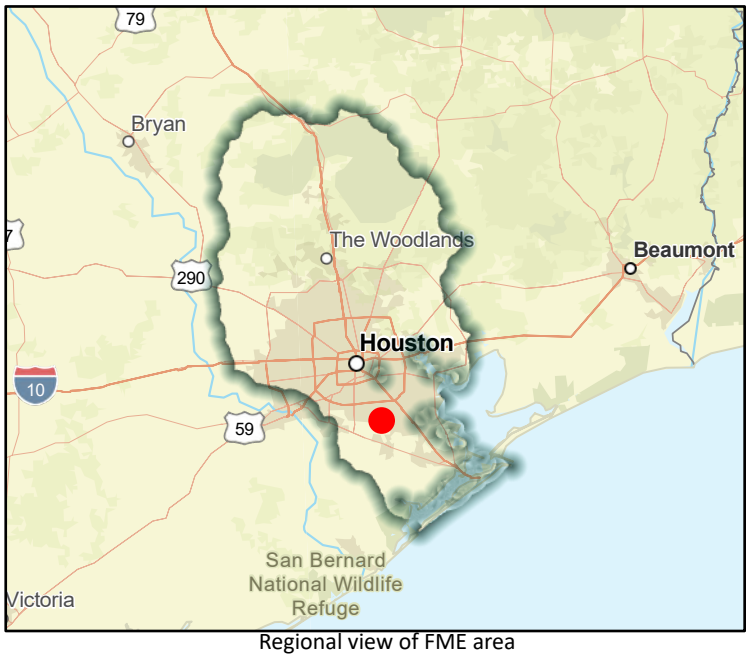
Total Cost: 40,000.00

Amount of Available Funding:

Funding source: Other



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Galveston Dune Restoration

ID#: 061000071

Sponsor (name of entity, not person): 06002809

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study of dune system to determine needs and flood damage reduction potential of restoration.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Galveston

Watershed HUC# (if known): 06000108,06000107,06000109,06000110

Drainage area (Square miles, est.): 211.08

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 64,299

# of structures: 21,848

Critical facilities: 500

Flood risk type: Riverine?: No

Coastal?: Yes

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 260.89

Roadway(s) impacted (length): 408.63

Number of low water crossings: 0

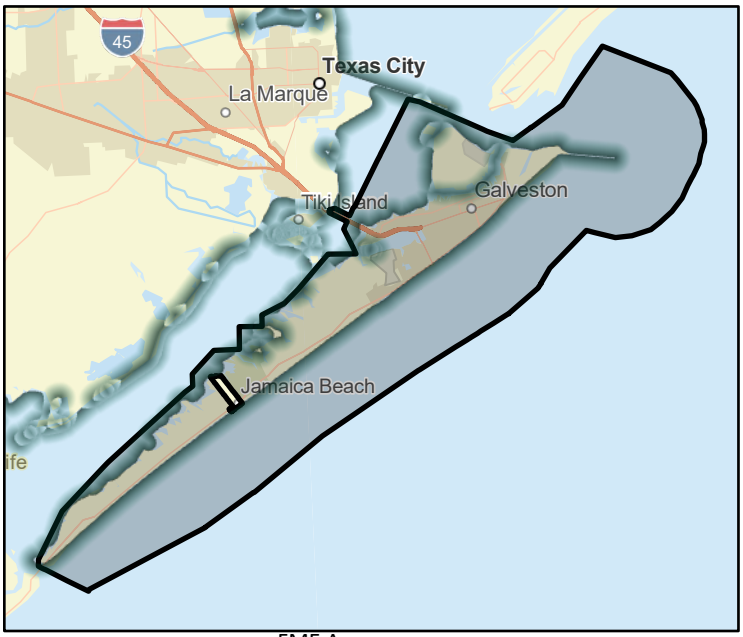
Historical road closures: 0

Estimated Cost and Funding Availability

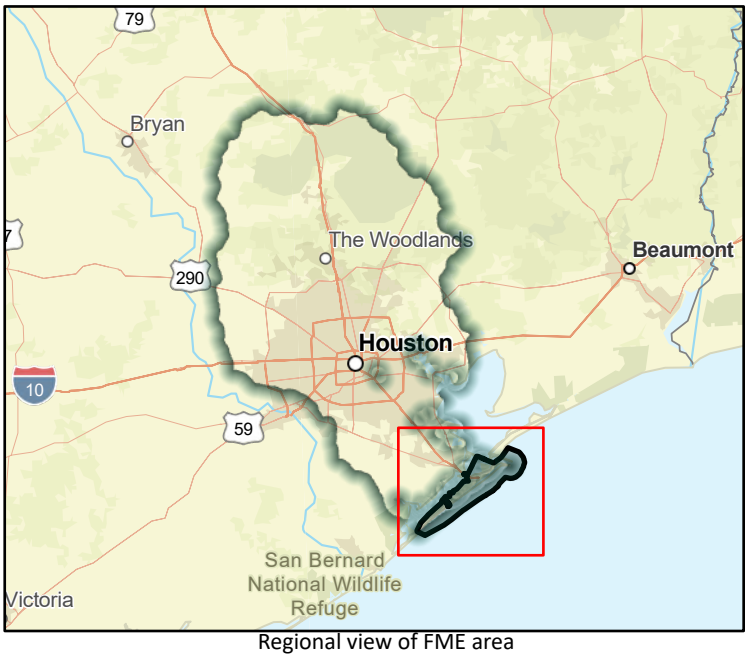
Total Cost: 1,000,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Hillcrest Village Engineering Survey

ID#: 061000072

Sponsor (name of entity, not person): 06003026

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Conduct an engineering assessment to establish proper drainage for 24 Homes located in the high risk flood Zone.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Brazoria

Watershed HUC# (if known): 06000109

Drainage area (Square miles, est.): 0.44

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 333

# of structures: 128

Critical facilities: 1

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.14

Roadway(s) impacted (length): 2.08

Number of low water crossings: 0

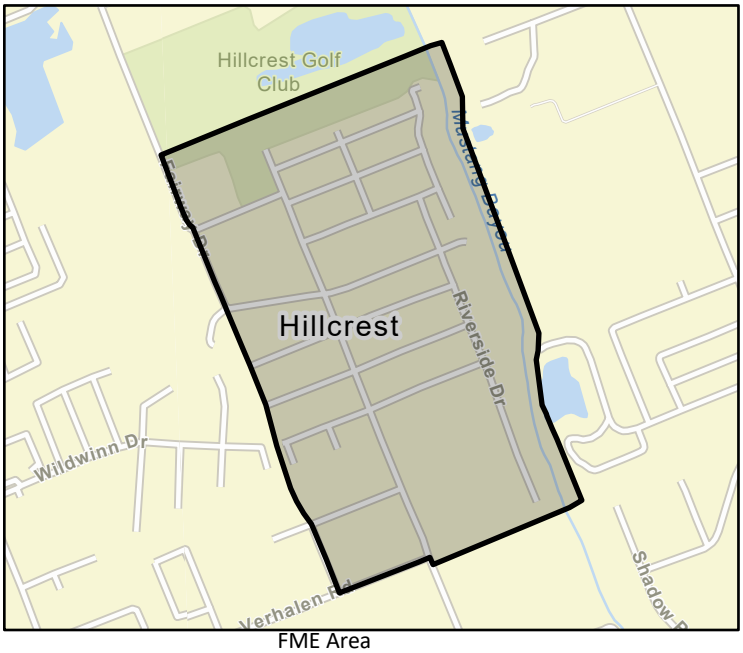
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 300,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Dredging Cedar Bayou

ID#: 061000076

Sponsor (name of entity, not person): 00000013

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study of proposed Cedar Bayou dredging to determine flood risk reduction potential.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Chambers

Watershed HUC# (if known): 06000103,06000102,06000104,06000105

Drainage area (Square miles, est.): 44.23

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 677

# of structures: 119

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 341.09

Roadway(s) impacted (length): 6.30

Number of low water crossings: 0

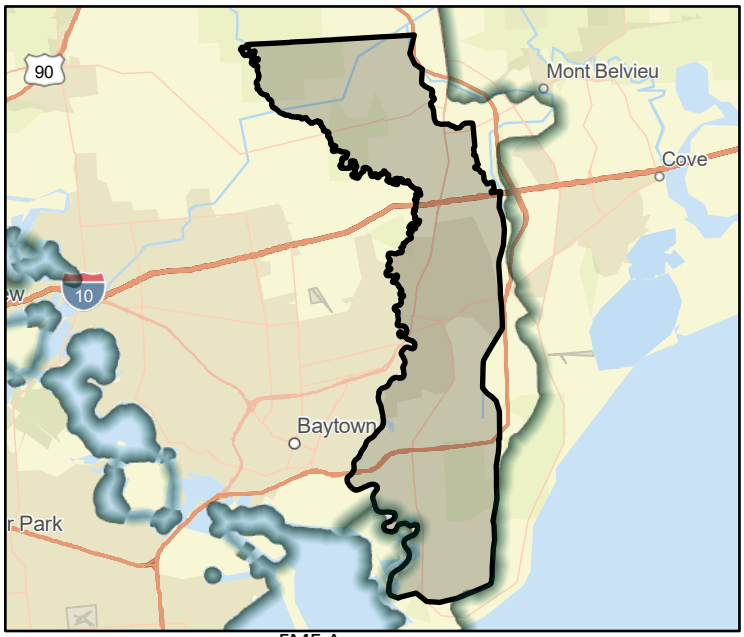
Historical road closures: 0

Estimated Cost and Funding Availability

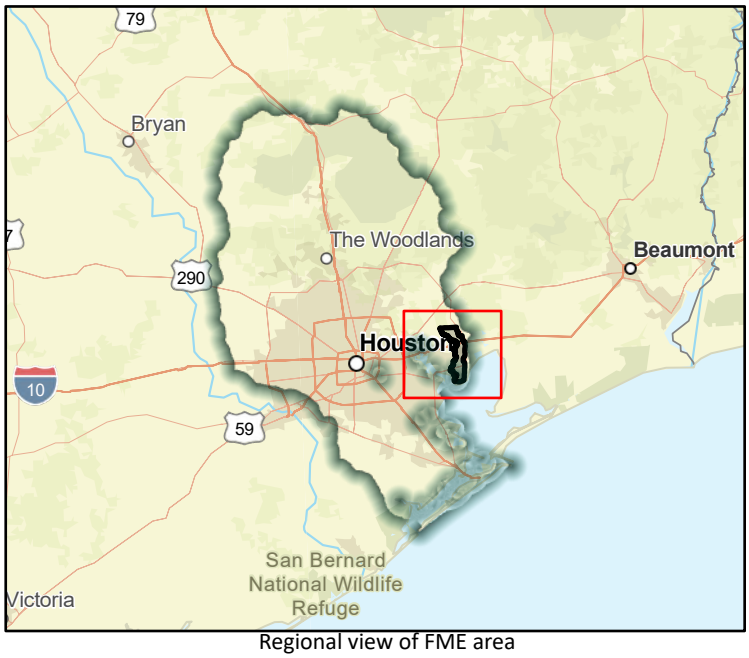
Total Cost: 7,070,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Dam and Levee Failure Inundation Map Update

ID#: 061000078

Sponsor (name of entity, not person): 00000003

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study by each jurisdiction to update their dam and levee failure inundation maps to identify the probability and impact of a dam and levee failures.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Brazoria

Watershed HUC# (if known): 06000108,06000107,06000109,06000106

Drainage area (Square miles, est.): 1,481.87

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 38,615

# of structures: 18,836

Critical facilities: 246

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 8,584.16

Roadway(s) impacted (length): 328.07

Number of low water crossings: 0

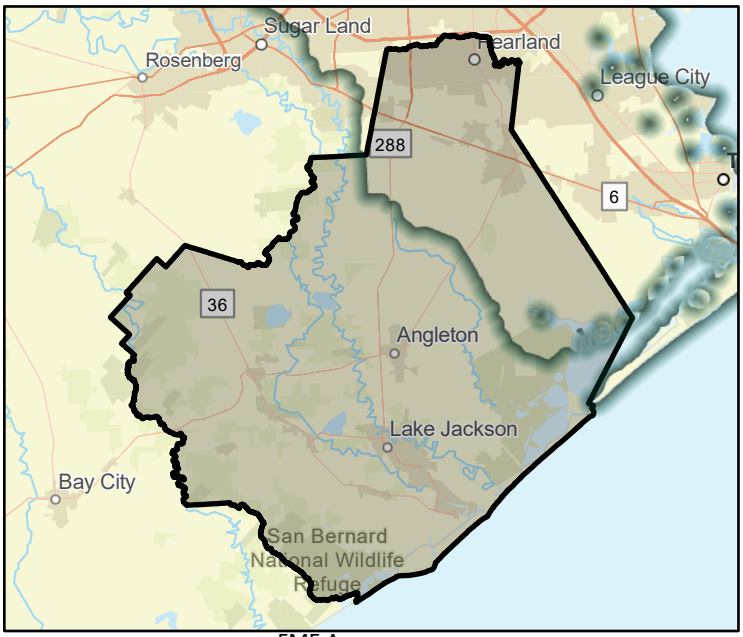
Historical road closures: 0

Estimated Cost and Funding Availability

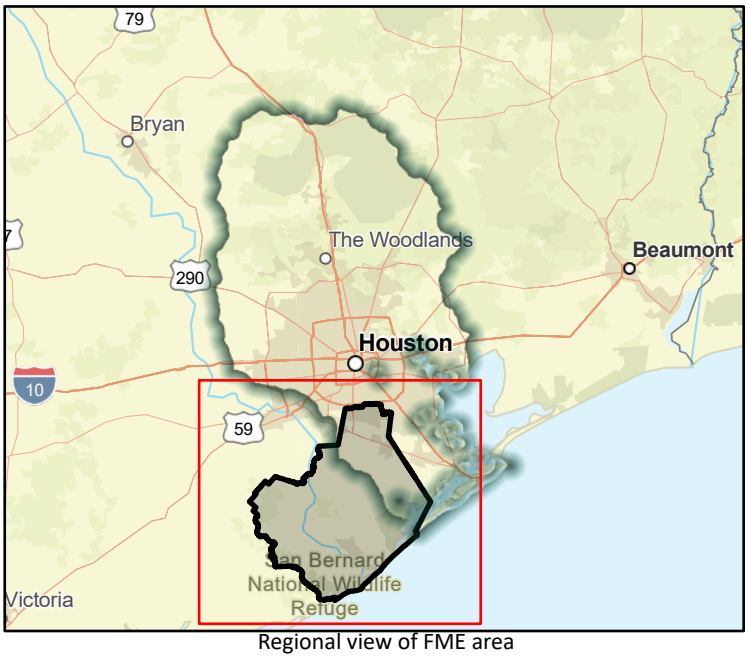
Total Cost: 2,200,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Replace the Tiki Drive bridge with improved, hardened bridge to withstand storm surge and debris.

ID#: 061000080

Sponsor (name of entity, not person): 06003397

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of proposed Tiki Drive bridge modifications.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000107

Drainage area (Square miles, est.): 1.59

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,681

# of structures: 1,006

Critical facilities: 6

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 3.92

Roadway(s) impacted (length): 9.64

Number of low water crossings: 0

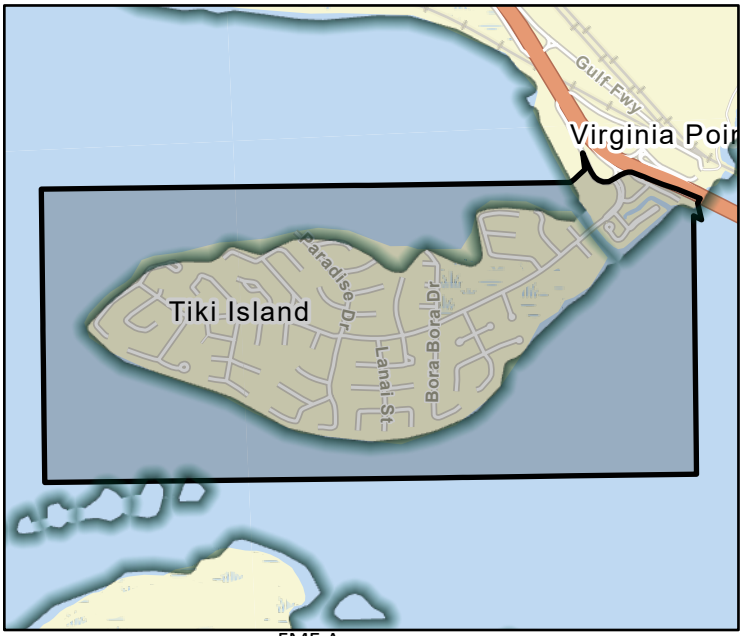
Historical road closures: 0

Estimated Cost and Funding Availability

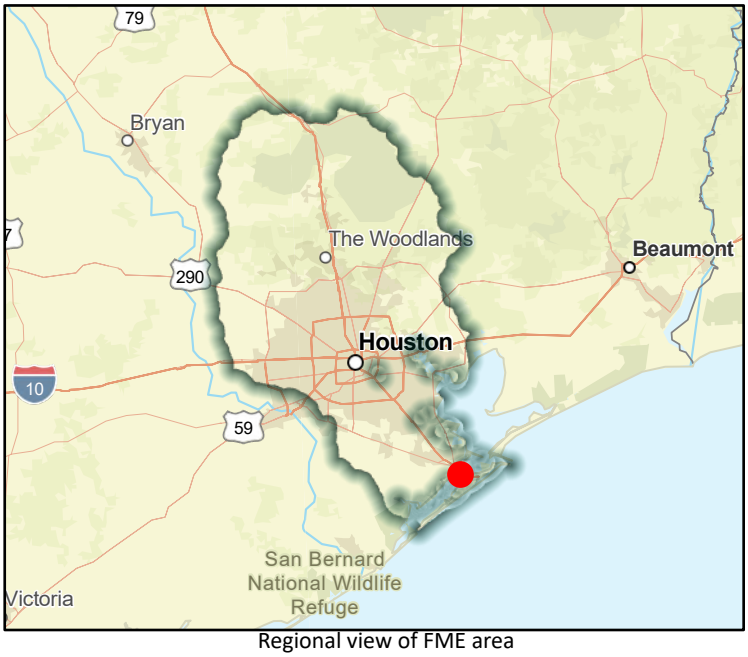
Total Cost: 220,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Stream and River Flood Program

ID#: 061000082

Sponsor (name of entity, not person): 00000024

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Preparedness

Study description: Conduct a flood mitigation outreach program using information from the river and stream flood study to increase awareness of specific riverine flooding problems and provide guidance on mitigation in affected communities.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Waller

Watershed HUC# (if known): 06000027,06000028,06000036,06000026,06000033,06000034,0600003

Drainage area (Square miles, est.): 515.95

Goal(s): 06000001,06000007,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 1,858

# of structures: 1,064

Critical facilities: 6

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1,357.32

Roadway(s) impacted (length): 40.92

Number of low water crossings: 19

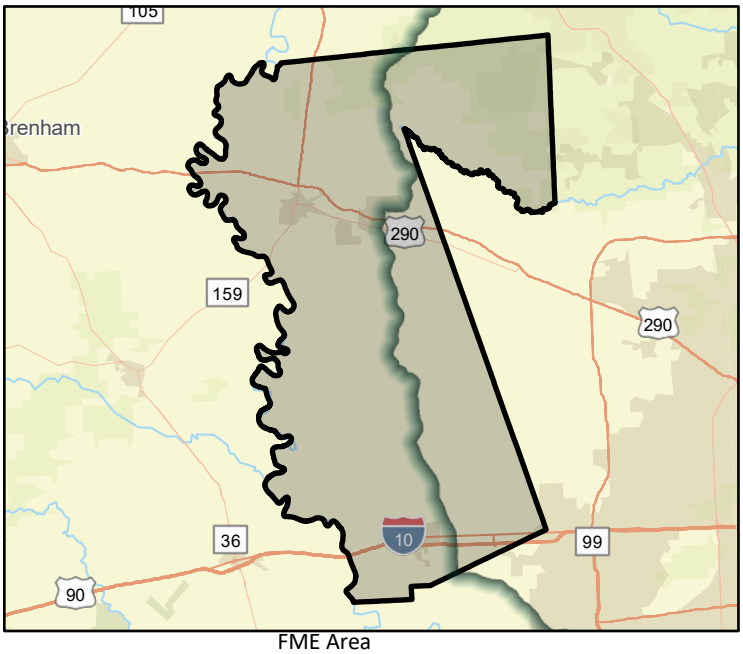
Historical road closures: 19

Estimated Cost and Funding Availability

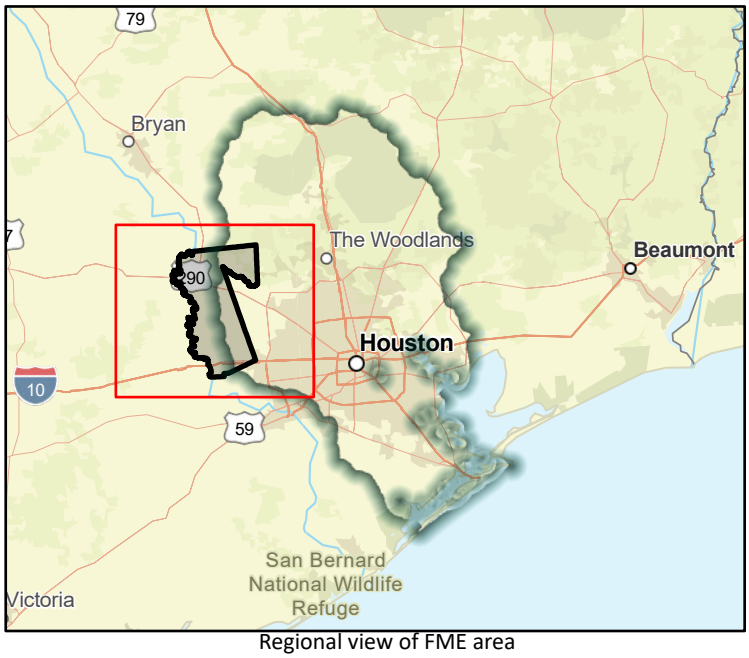
Total Cost: 20,000.00

Amount of Available Funding: 10,000.00

Funding source: General Revenue



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Liberty County Drainage Projects

ID#: 061000083

Sponsor (name of entity, not person): 00000033

RFPG recommend? Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of proposed drainage projects throughout the county- including adding ditches, detention ponds and detention basins in identified locations throughout the county in order to improve drainage.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County: Liberty

Watershed HUC# (if known): 06000056,06000053,06000054,06000060,06000070,06000058,0600005

Drainage area (Square miles, est.): 1,169.76

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 3,574

# of structures: 3,614

Critical facilities: 8

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 1,379.48

Roadway(s) impacted (length): 144.17

Number of low water crossings: 7

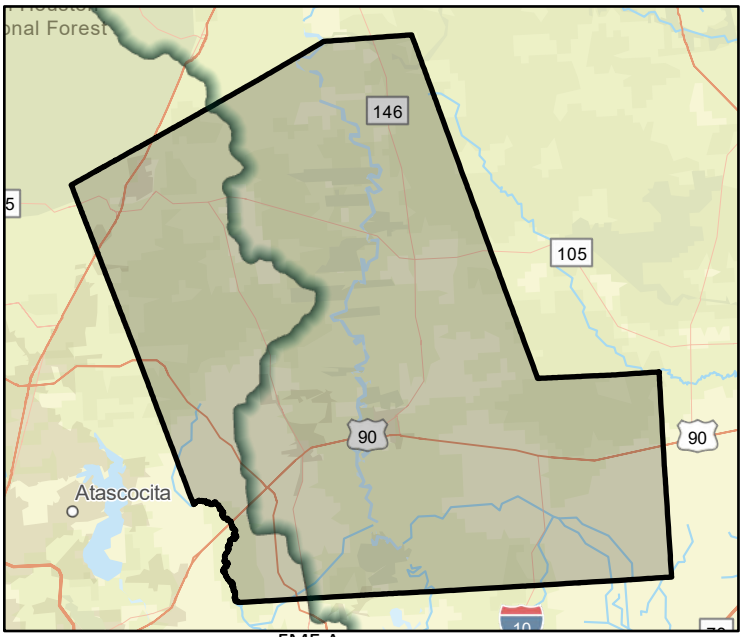
Historical road closures: 7

Estimated Cost and Funding Availability

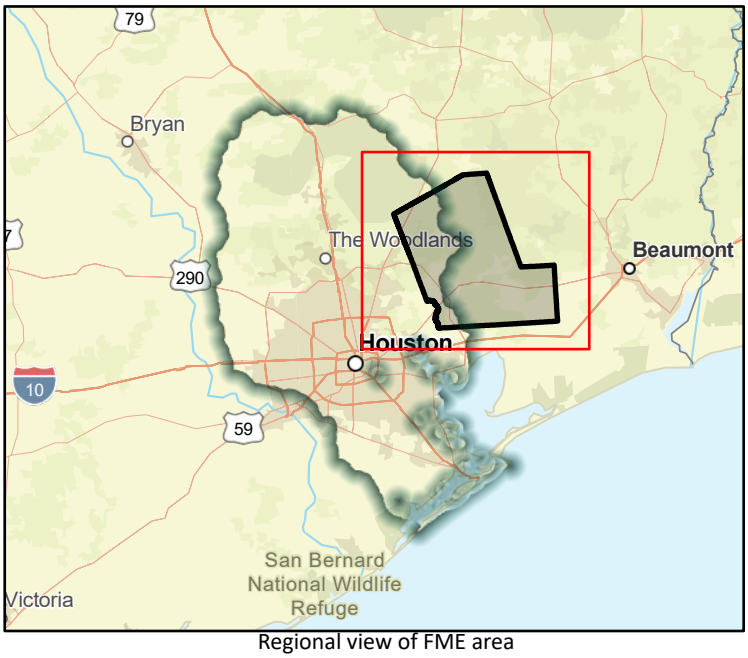
Total Cost: 2,000,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Bayou Vista Master Drainage Plan

ID#: 061000084

Sponsor (name of entity, not person): 06002806

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000107

Drainage area (Square miles, est.): 0.45

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 1,476

# of structures: 1,122

Critical facilities: 3

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 7.71

Number of low water crossings:

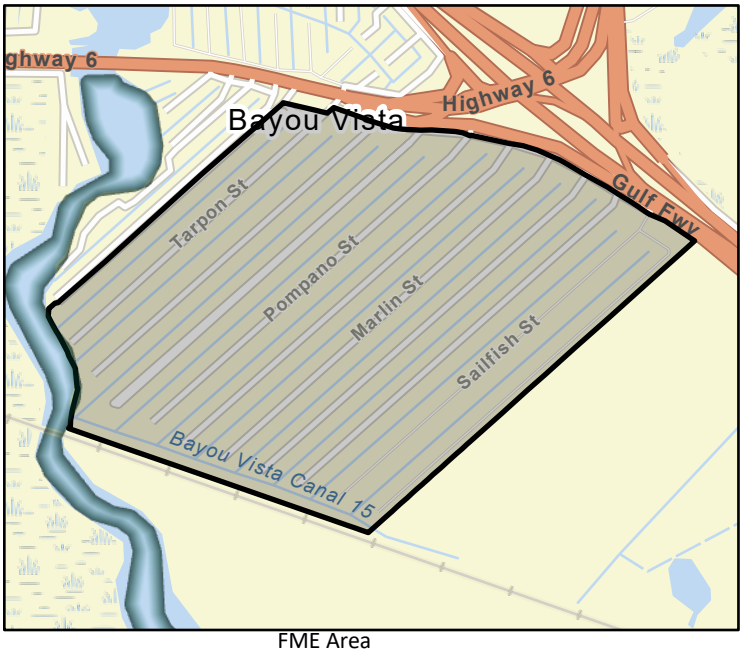
Historical road closures:

Estimated Cost and Funding Availability

Total Cost: 130,000.00

Amount of Available Funding:

Funding source:



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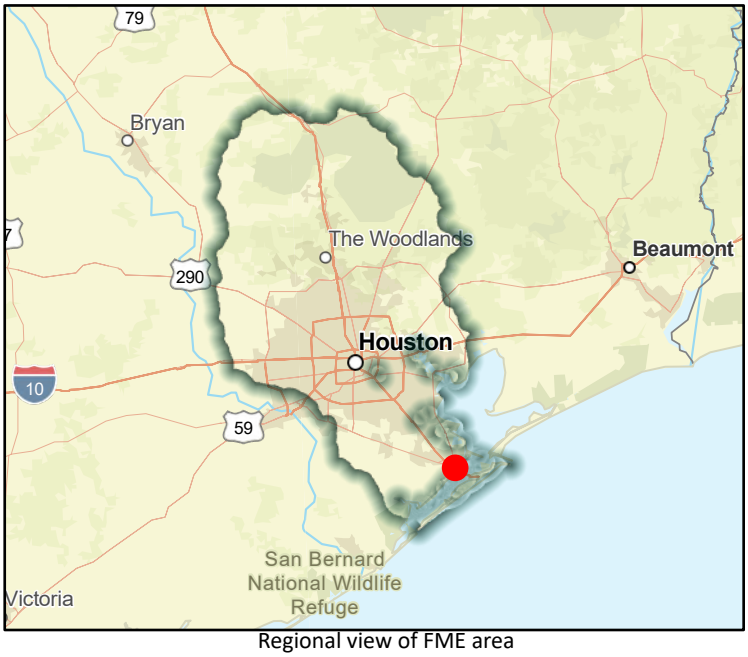


Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Cane Island Branch- Alt 2

ID#: 061000085

Sponsor (name of entity, not person): 00000024

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study and FMP development of proposed channel modifications to Cane Island Branch including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Fort Bend,Harris,Waller

Watershed HUC# (if known): 06000028,06000072,06000073,06000074,06000071,06000077

Drainage area (Square miles, est.): 14.52

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,840

# of structures: 650

Critical facilities: 8

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 119.10

Roadway(s) impacted (length): 10.09

Number of low water crossings: 5

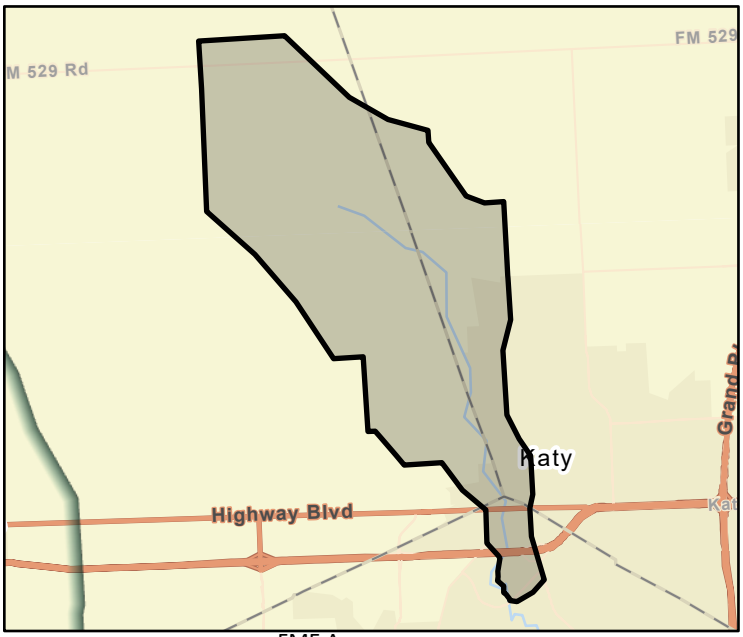
Historical road closures: 5

Estimated Cost and Funding Availability

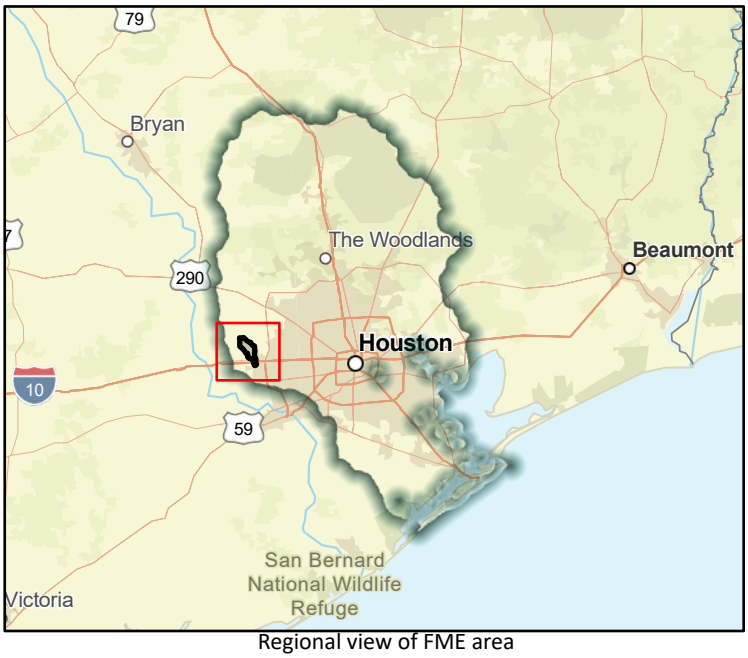
Total Cost: 3,270,000.00

Amount of Available Funding: 327,000.00

Funding source: General Revenue



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Property Protection, Structural Project

ID#: 061000086

Sponsor (name of entity, not person): 06003391

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Generate base flood elevation data for flood map revisions. Use floodplain study to identify future mitigation activities to improve water ways and flood carrying capacities. Area to include approximately 4 miles of floodway in New Waverly.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Walker

Watershed HUC# (if known): 06000046

Drainage area (Square miles, est.): 2.21

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 19

# of structures: 23

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.89

Roadway(s) impacted (length): 0.48

Number of low water crossings: 0

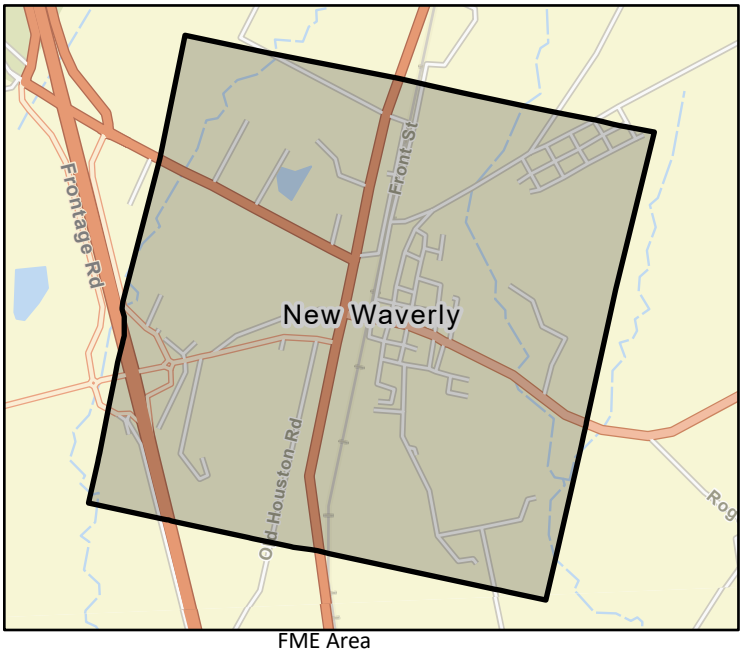
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 2,500,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of La Maque - East Side Storm water detention

ID#: 061000087

Sponsor (name of entity, not person): 06003146

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Feasibility study and a drainage analysis of the new pond row acquisition and associated conveyance improvements on a part of 10 acres of land.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000107

Drainage area (Square miles, est.): 14.23

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,455

# of structures: 829

Critical facilities: 8

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 37.85

Roadway(s) impacted (length): 31.12

Number of low water crossings: 1

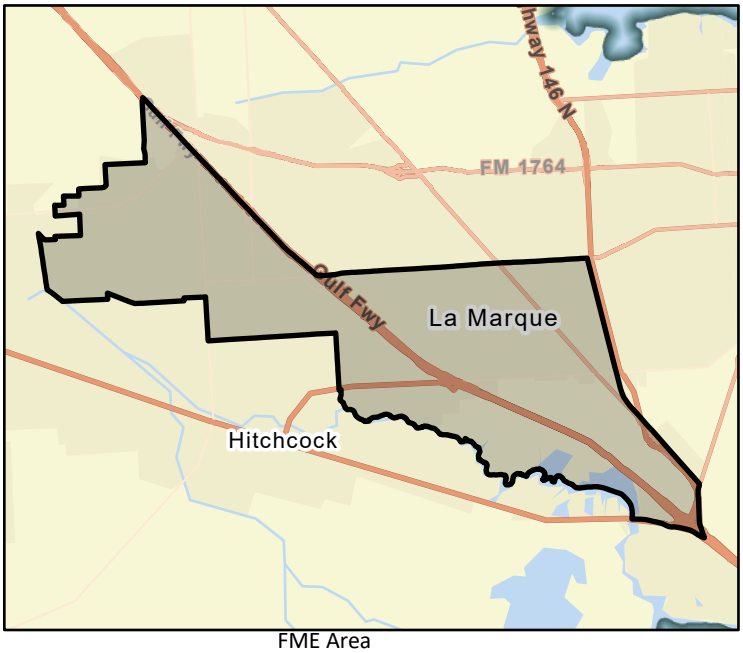
Historical road closures: 1

Estimated Cost and Funding Availability

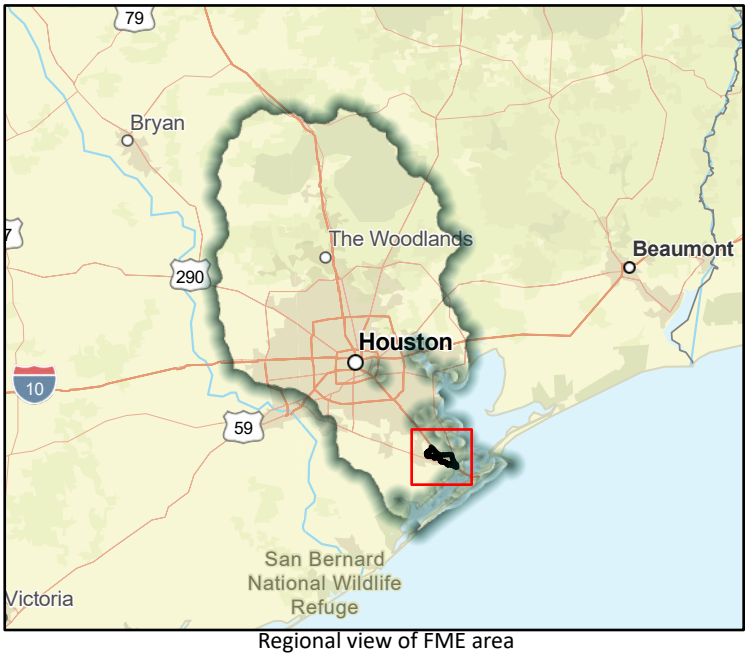
Total Cost: 360,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of League City - Kansas Street Drainage

ID#: 061000088

Sponsor (name of entity, not person): 06003147

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study and FMP development of proposed street drainage modifications to Kansas Street.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston,Harris

Watershed HUC# (if known): 06000107,06000106

Drainage area (Square miles, est.): 52.89

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 13,675

# of structures: 5,251

Critical facilities: 25

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1,308.20

Roadway(s) impacted (length): 104.57

Number of low water crossings: 2

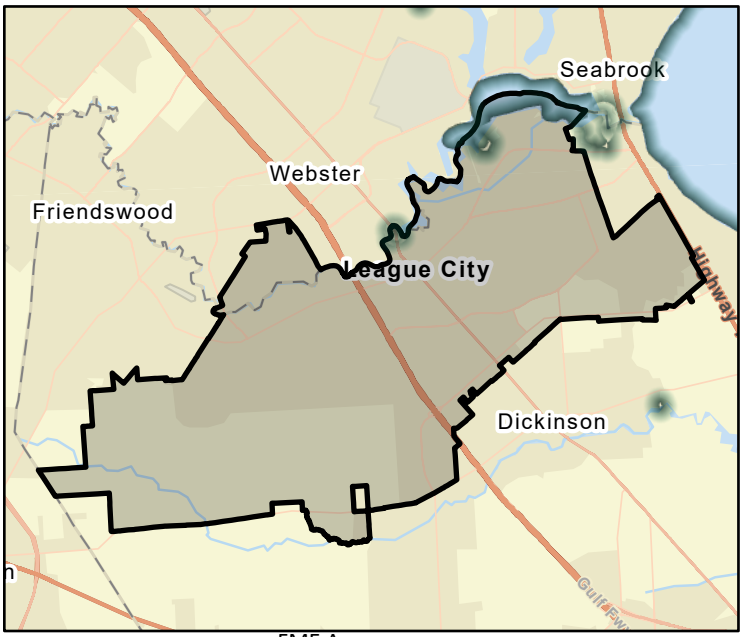
Historical road closures: 2

Estimated Cost and Funding Availability

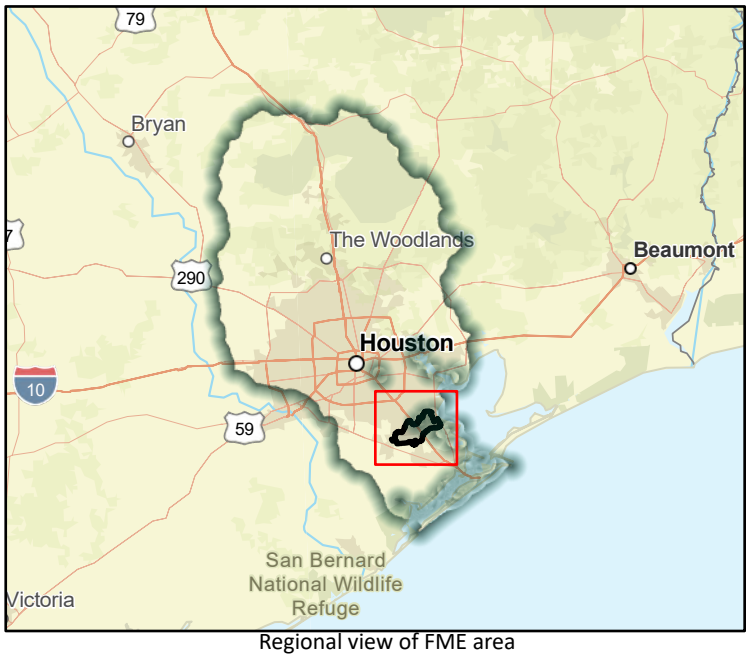
Total Cost: 580,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Update City of Friendswood Storm Surge Maps to Reflect the NWS Predictions

ID#: 061000089

Sponsor (name of entity, not person): 06002833

RFPG recommend? Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to update city storm surge maps based upon the NWS predicted storm surge and projected track for landfall. The new maps may more accurately display water depth in areas within the city.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County: Galveston,Harris

Watershed HUC# (if known): 06000107,06000106

Drainage area (Square miles, est.): 20.83

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 4,640

# of structures: 1,680

Critical facilities: 1

Flood risk type: Riverine? No Coastal? Yes Local? No Playa? No Other? No

Farm/Ranch land impacted (acres): 18.38

Roadway(s) impacted (length): 37.73

Number of low water crossings: 5

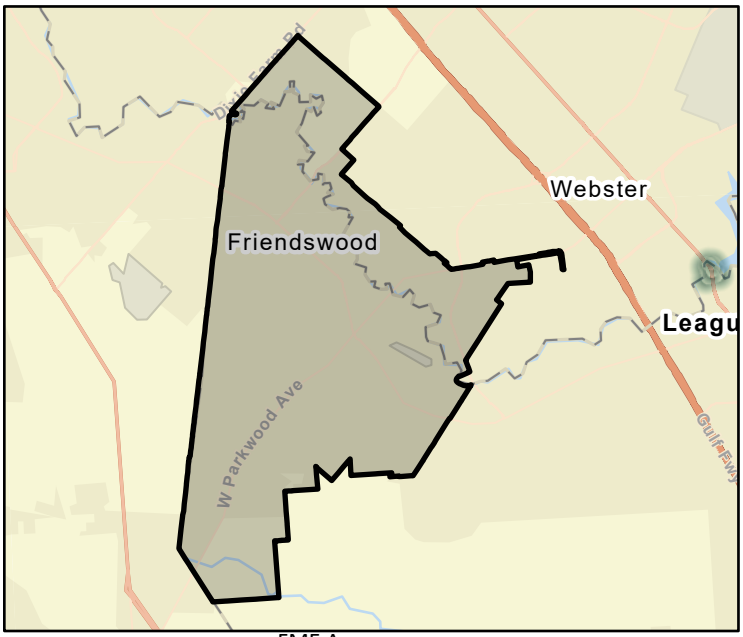
Historical road closures: 5

Estimated Cost and Funding Availability

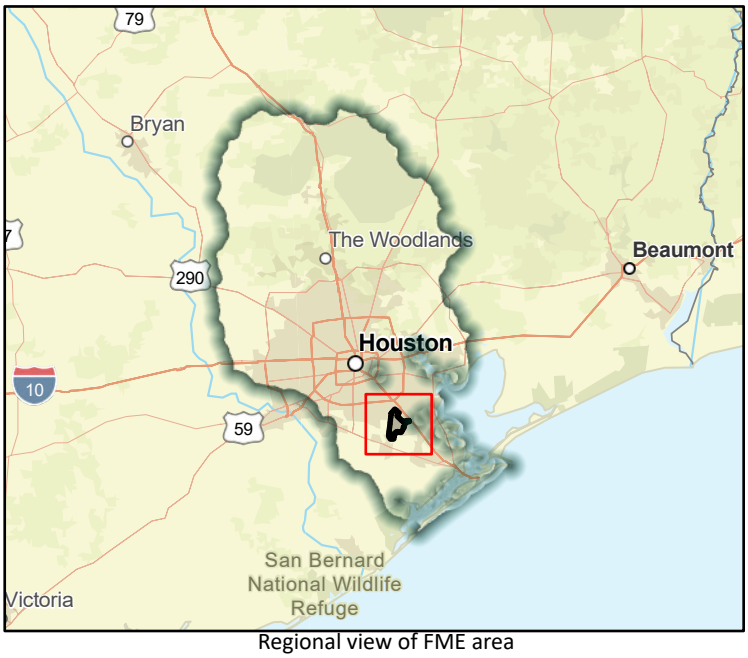
Total Cost: 140,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Sante Fe - Storm Water Detention & Widening Drainage System and Cuvlerts Study

ID#: 061000094

Sponsor (name of entity, not person): 06003149

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to plan for storm sewer detention and drainage system modifications.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000108,06000107

Drainage area (Square miles, est.): 17.04

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 748

# of structures: 399

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 12.13

Roadway(s) impacted (length): 4.13

Number of low water crossings: 9

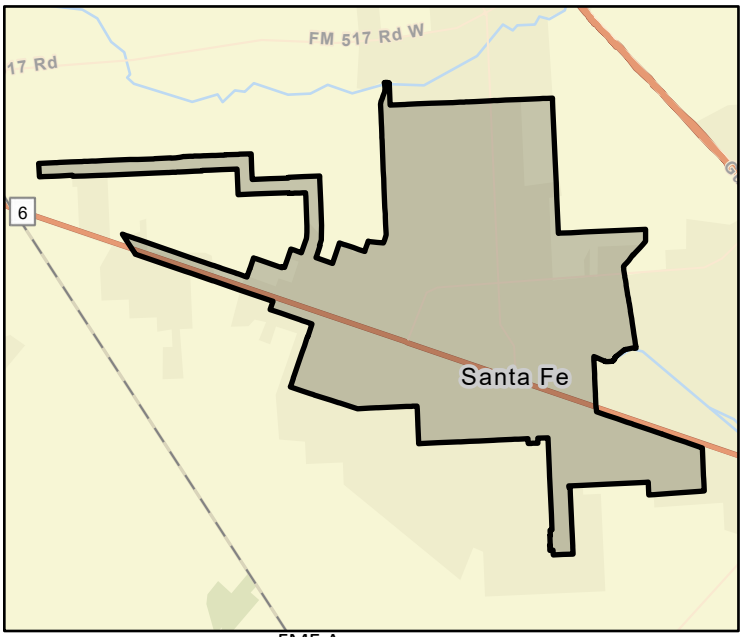
Historical road closures: 9

Estimated Cost and Funding Availability

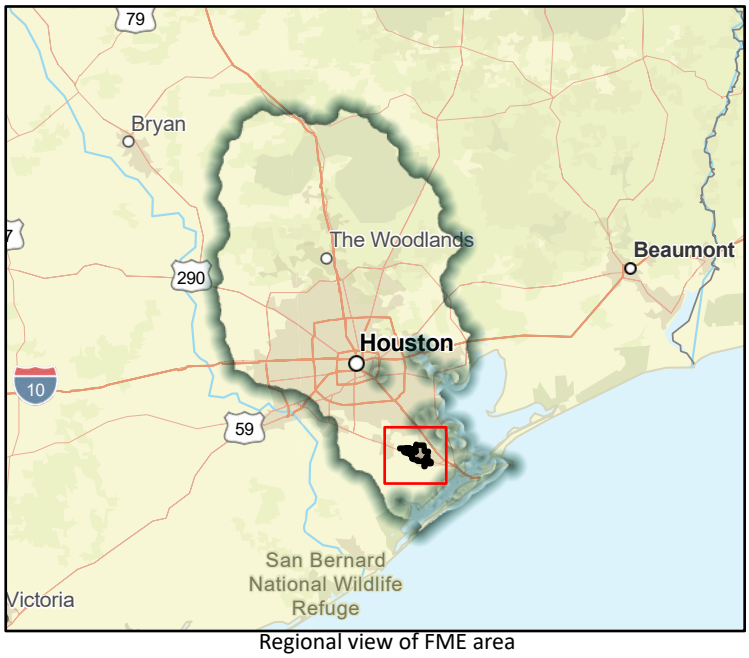
Total Cost: 300,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: League City - Stormwater Drainage Improvement- Interurban & Newport ditch

ID#: 061000097

Sponsor (name of entity, not person): 06003147

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of proposed slope paving (concrete lining) improvements.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston,Harris

Watershed HUC# (if known): 06000107,06000106

Drainage area (Square miles, est.): 52.89

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 13,675

# of structures: 5,251

Critical facilities: 25

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1,308.20

Roadway(s) impacted (length): 104.57

Number of low water crossings: 2

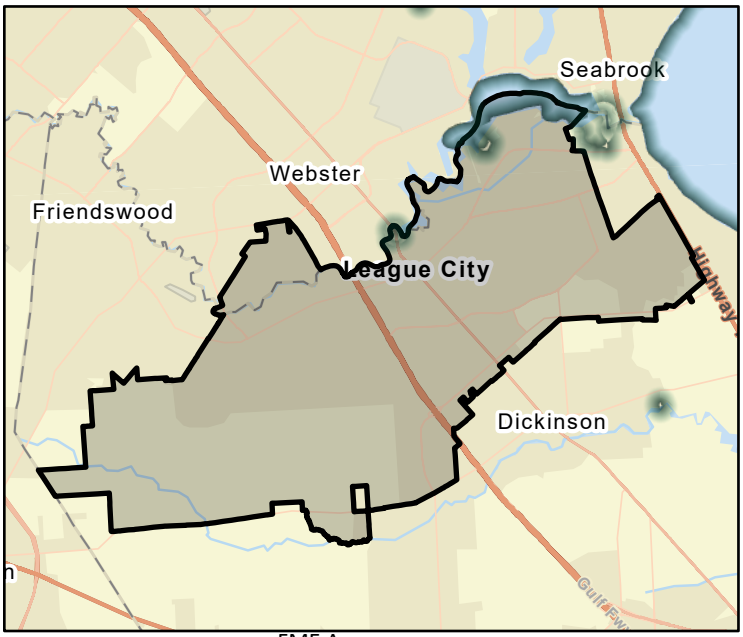
Historical road closures: 2

Estimated Cost and Funding Availability

Total Cost: 50,000.00

Amount of Available Funding:

Funding source:



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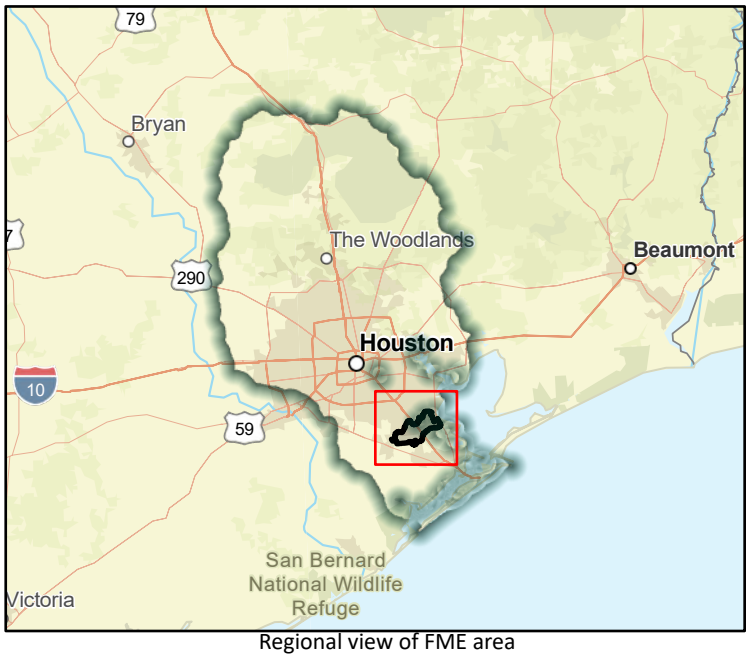


Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Study of Texas City Hurricane Flood Protection Project

ID#: 061000098

Sponsor (name of entity, not person): 00000006

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Corp of Engineers study of the Texas City Hurricane Flood Protection Project to improve the current levee system to provide protection from category 5 storm.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Galveston

Watershed HUC# (if known): 06000108,06000107,06000109,06000106

Drainage area (Square miles, est.): 664.95

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 102,745

# of structures: 48,545

Critical facilities: 667

Flood risk type: Riverine?: No

Coastal?: Yes

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 3,412.03

Roadway(s) impacted (length): 910.36

Number of low water crossings: 30

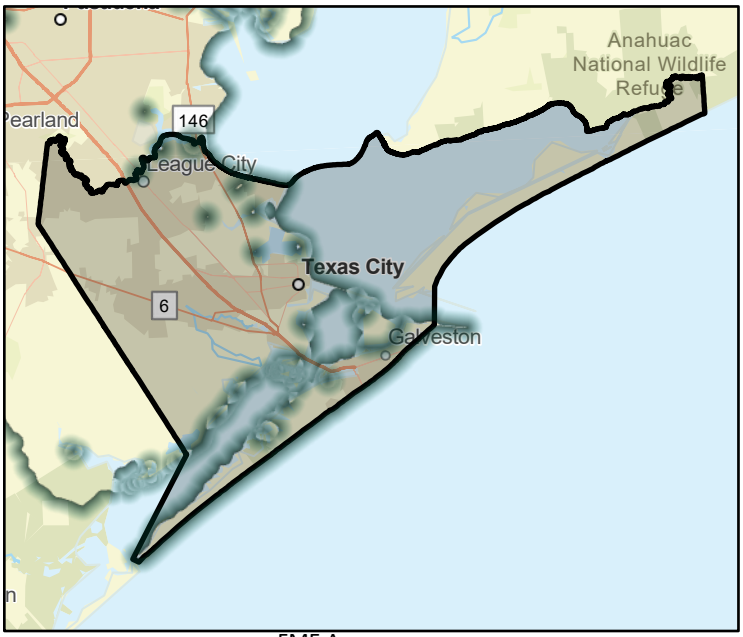
Historical road closures: 30

Estimated Cost and Funding Availability

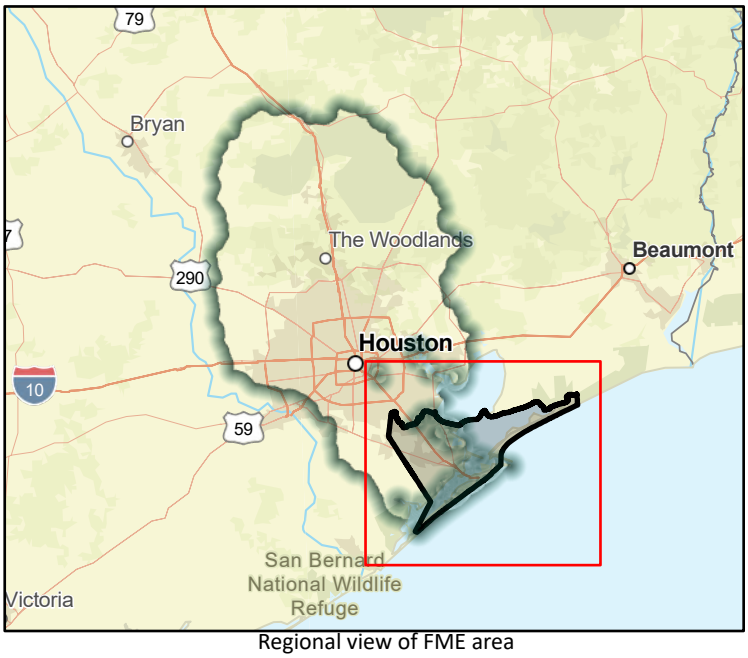
Total Cost: 1,590,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Raise Road Surfaces in City of Plum Grove

ID#: 061000102

Sponsor (name of entity, not person): 06002647

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further evaluation of road surface elevation.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Liberty

Watershed HUC# (if known): 06000070

Drainage area (Square miles, est.): 3.61

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 484

# of structures: 362

Critical facilities: 1

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 9.22

Roadway(s) impacted (length): 8.99

Number of low water crossings: 0

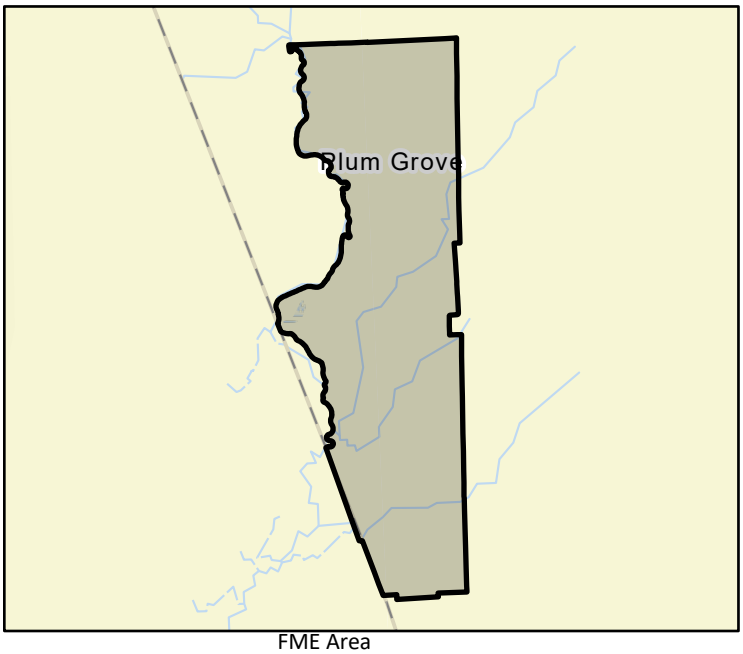
Historical road closures: 0

Estimated Cost and Funding Availability

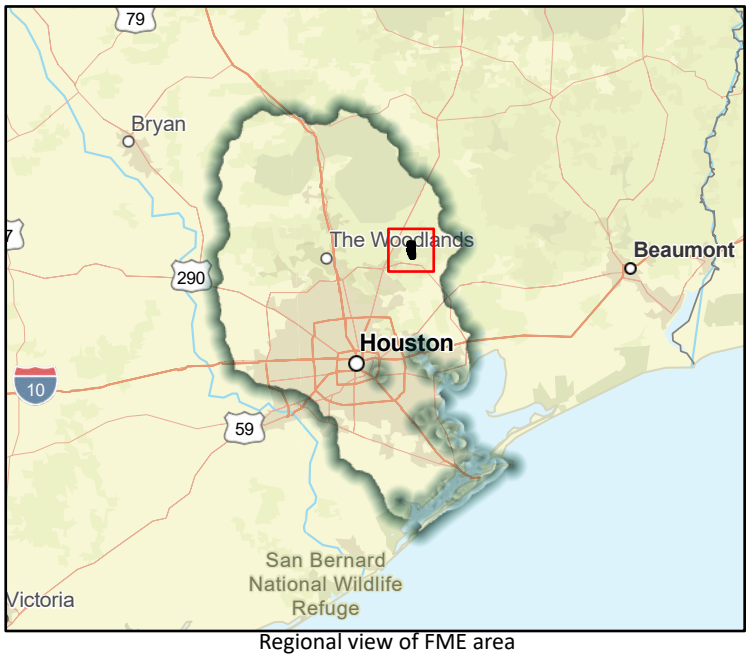
Total Cost: 35,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Highland Terrace Drainage

ID#: 061000103

Sponsor (name of entity, not person): 06003147

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of slope paving a portion of the drainage ditch north of FM 518, with probable wetland mitigation and lowering pavement section of Highland Terrace Drive.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston,Harris

Watershed HUC# (if known): 06000107,06000106

Drainage area (Square miles, est.): 52.89

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 13,675

# of structures: 5,251

Critical facilities: 25

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1,308.20

Roadway(s) impacted (length): 104.57

Number of low water crossings: 2

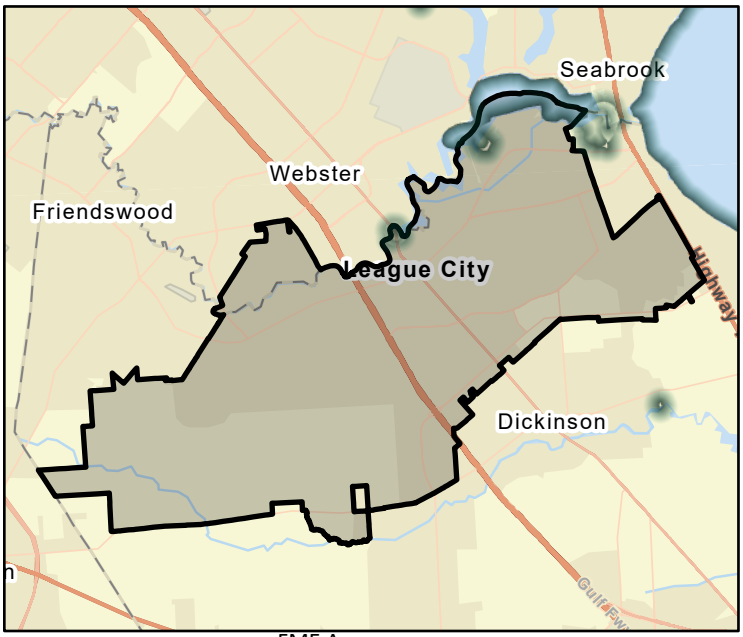
Historical road closures: 2

Estimated Cost and Funding Availability

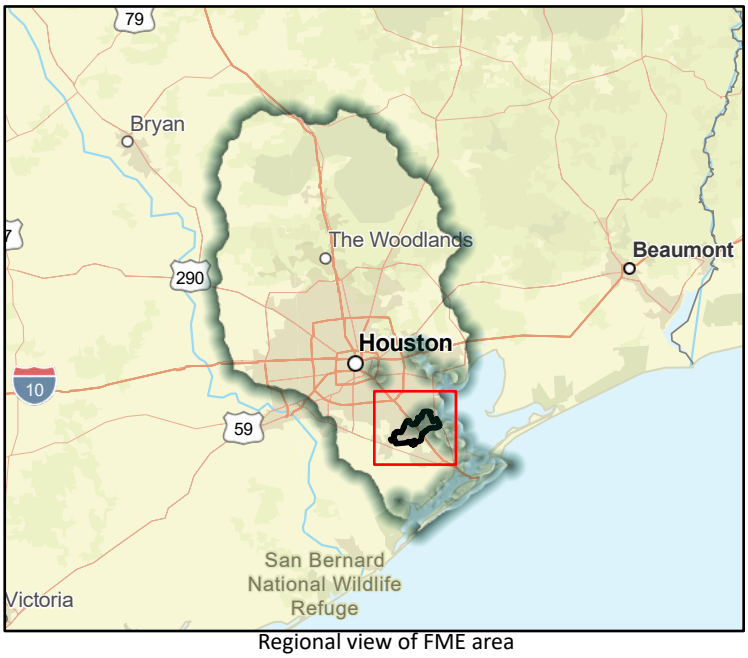
Total Cost: 190,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Sunmeadow Drainage Improvements Phase 2

ID#: 061000104

Sponsor (name of entity, not person): 06002833

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of component of 1993 master Drainage Plan Phase 1. Initial phase of project completed in 2005. Upsizing storm sewer system to reduce potential flooding. Include Atlas 14 rainfalls.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000106

Drainage area (Square miles, est.): 0.23

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk:

# of structures:

Critical facilities:

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres):

Roadway(s) impacted (length):

Number of low water crossings:

Historical road closures:

Estimated Cost and Funding Availability

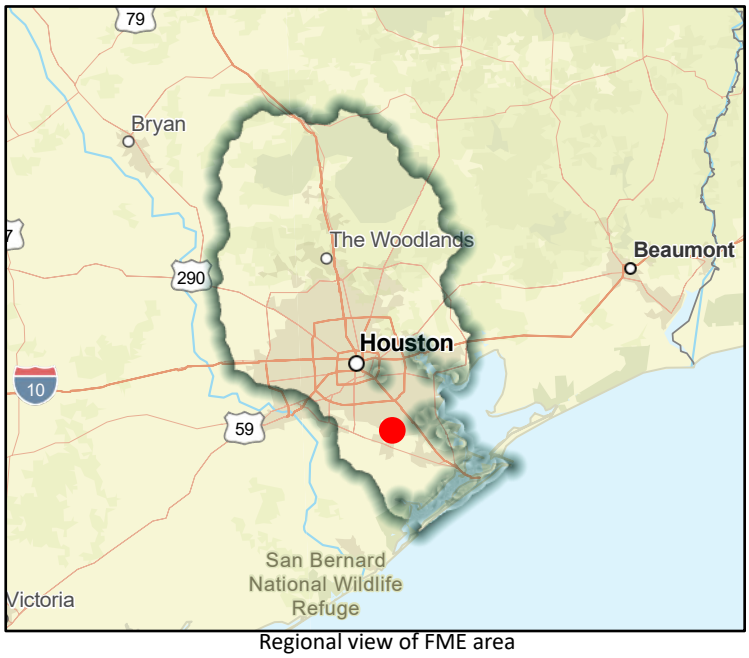
Total Cost: 160,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Storm water detention ponds & Widening of drainage systems feasibility study

ID#: 061000107

Sponsor (name of entity, not person): 00000006

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study of area to identify problem areas and recommend flood mitigation alternatives that consider detention ponds & widening drainage systems.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000108,06000107,06000109,06000106

Drainage area (Square miles, est.): 664.95

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 102,745

# of structures: 48,545

Critical facilities: 667

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 3,412.03

Roadway(s) impacted (length): 910.36

Number of low water crossings: 30

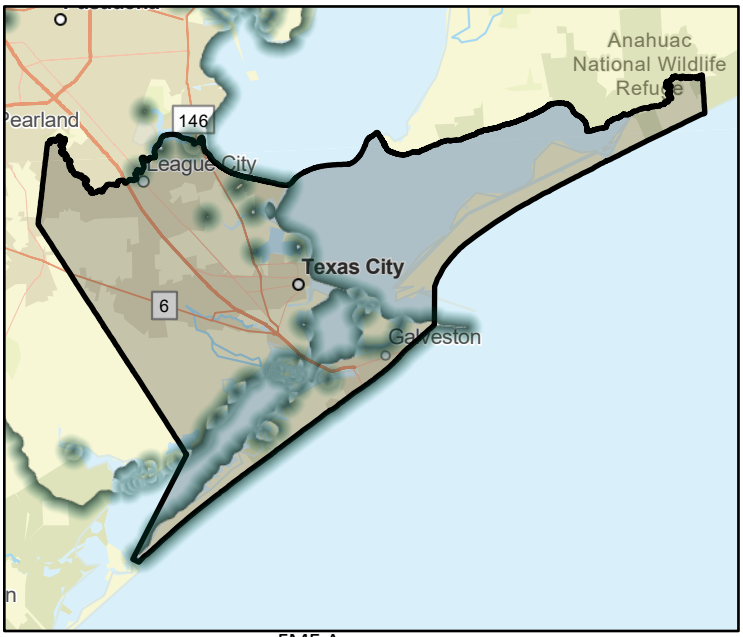
Historical road closures: 30

Estimated Cost and Funding Availability

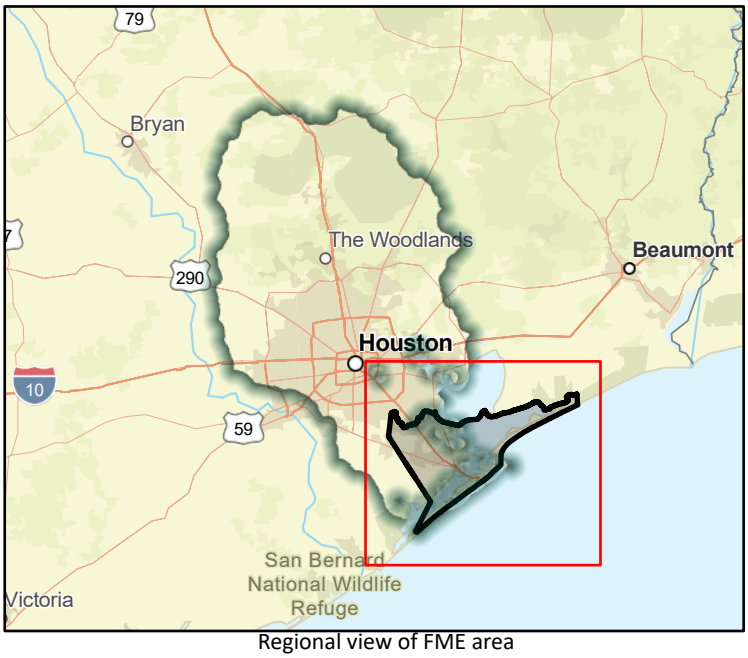
Total Cost: 11,000,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Stormwater Drainage Improvement- Nottingham ditch

ID#: 061000115

Sponsor (name of entity, not person): 06003147

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of proposed slope paving (concrete lining) improvements. Still in planning, consultant hired. Design complete and pending construction funding.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston,Harris

Watershed HUC# (if known): 06000107,06000106

Drainage area (Square miles, est.): 52.89

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 13,675

# of structures: 5,251

Critical facilities: 25

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1,308.20

Roadway(s) impacted (length): 104.57

Number of low water crossings: 2

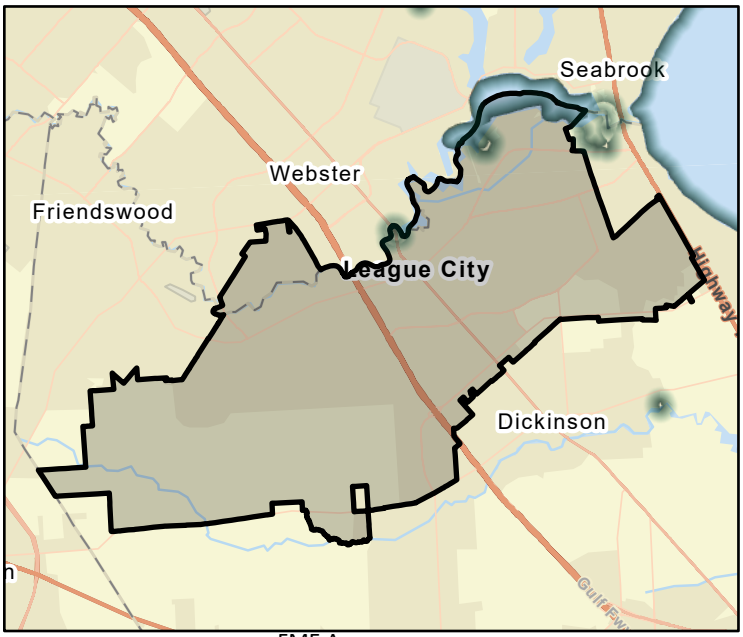
Historical road closures: 2

Estimated Cost and Funding Availability

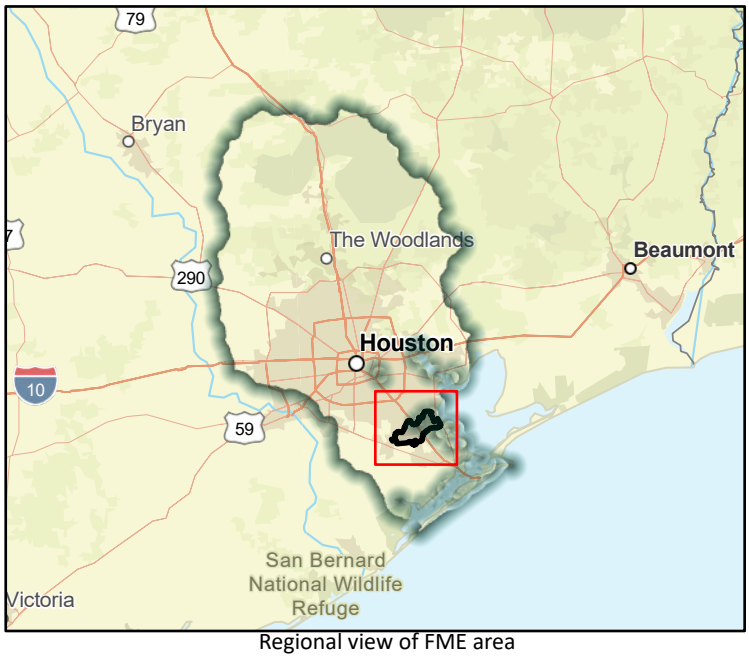
Total Cost: 50,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Remedy Data Deficiency in City of New Waverly

ID#: 061000116

Sponsor (name of entity, not person): 06003391

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Conduct a proper risk assessment of the dams residents suspect are causing upstream flooding, and determine all potential inundation areas.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Walker

Watershed HUC# (if known): 06000046

Drainage area (Square miles, est.): 2.21

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 19

# of structures: 23

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.89

Roadway(s) impacted (length): 0.48

Number of low water crossings: 0

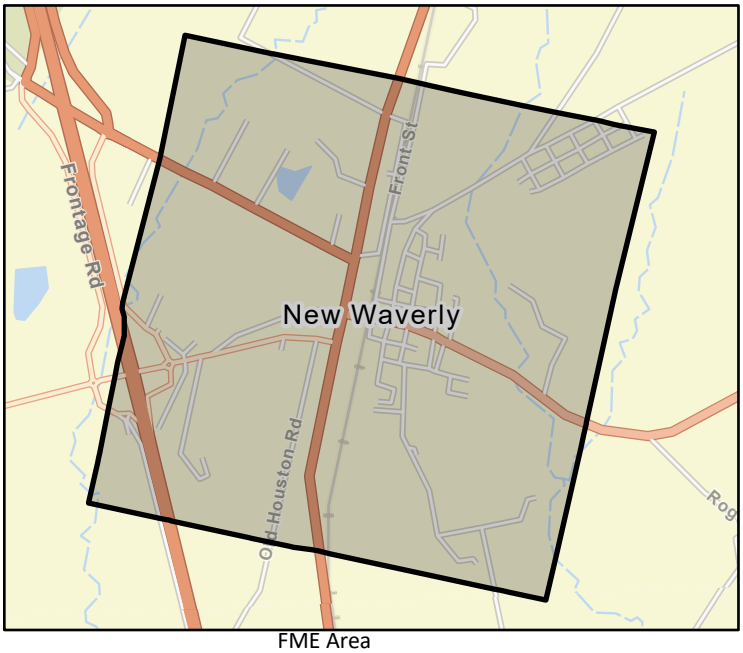
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 100,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Bayou Vista - Drainage Improvement Program

ID#: 061000117

Sponsor (name of entity, not person): 06002806

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop drainage improvement program to reduce standing water and runoff, and reduce minor flooding for residents located in District No. 12.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000107

Drainage area (Square miles, est.): 0.45

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,477

# of structures: 1,123

Critical facilities: 3

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 7.47

Number of low water crossings:

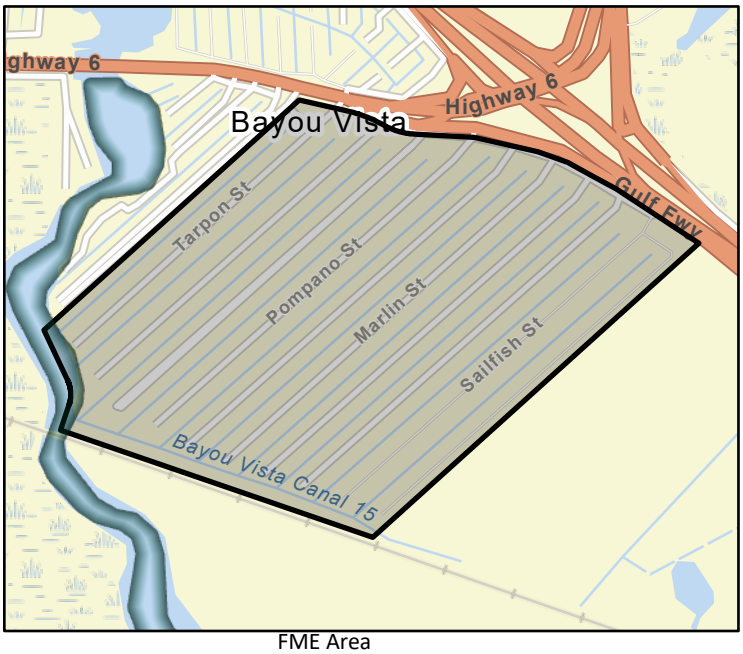
Historical road closures:

Estimated Cost and Funding Availability

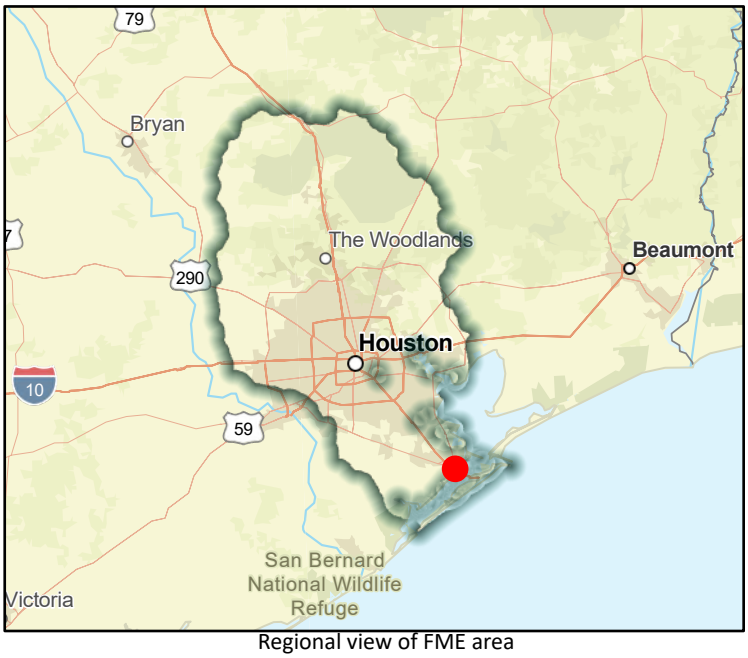
Total Cost: 100,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Stormwater Drainage Improvement- Bradshaw Rd

ID#: 061000118

Sponsor (name of entity, not person): 06003147

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of proposed slope paving (concrete lining) improvements. Southwest from SH 3 to the north line of CCISD's Elem. School #25. Pending Funding.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston,Harris

Watershed HUC# (if known): 06000107,06000106

Drainage area (Square miles, est.): 52.89

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 13,675

# of structures: 5,251

Critical facilities: 25

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1,308.20

Roadway(s) impacted (length): 104.57

Number of low water crossings: 2

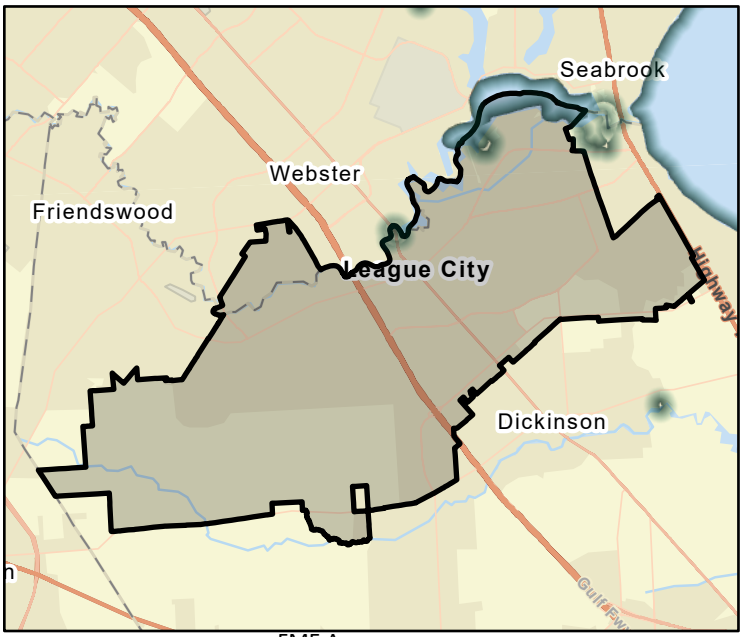
Historical road closures: 2

Estimated Cost and Funding Availability

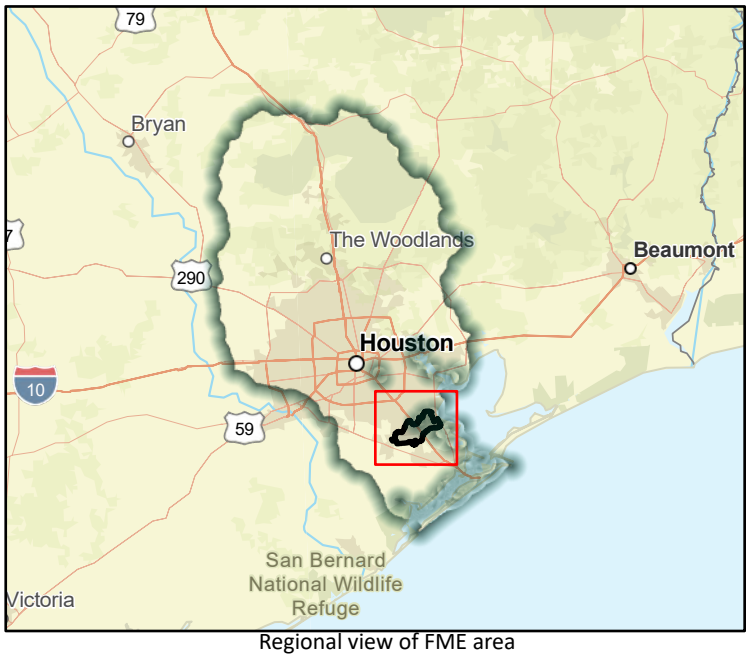
Total Cost: 50,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Shellside Drainage Improvements

ID#: 061000119

Sponsor (name of entity, not person): 06003147

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of proposed drainage improvements to Shellside.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston,Harris

Watershed HUC# (if known): 06000107,06000106

Drainage area (Square miles, est.): 52.89

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 802

# of structures: 204

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1.46

Roadway(s) impacted (length): 2.51

Number of low water crossings: 0

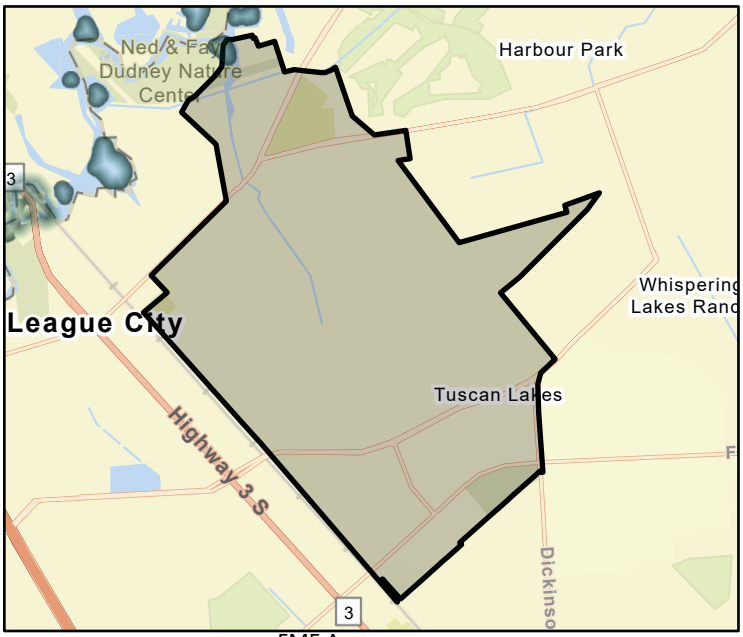
Historical road closures: 0

Estimated Cost and Funding Availability

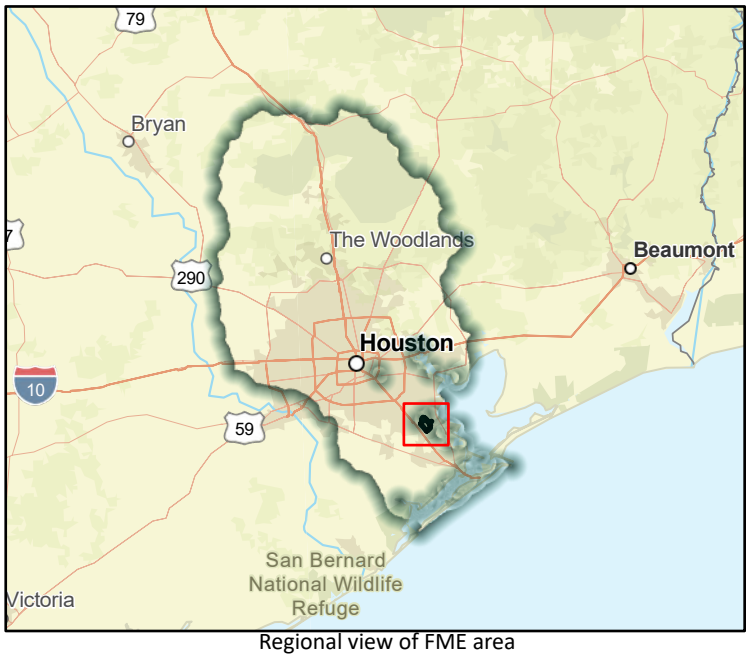
Total Cost: 580,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Evaluation of Culvert Enlargement and Bridge Elevation in Grimes County

ID#: 061000120

Sponsor (name of entity, not person): 00000044

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to identify flood-prone areas and mitigate the flooding problem by enlarging culverts under roads and bridges.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Grimes

Watershed HUC# (if known): 06000001,06000012,06000013,06000014,06000003,06000015,0600001

Drainage area (Square miles, est.): 798.87

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 95

# of structures: 144

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 151.28

Roadway(s) impacted (length): 10.81

Number of low water crossings: 1

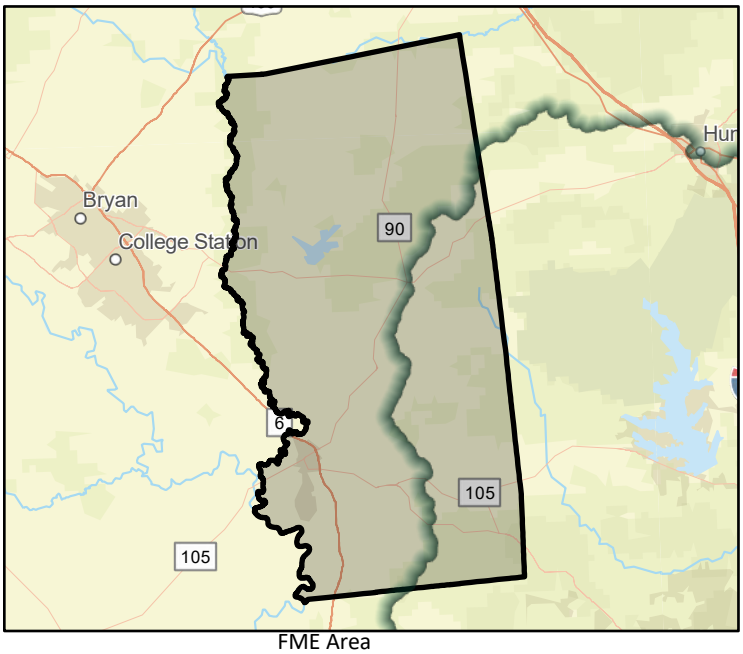
Historical road closures: 1

Estimated Cost and Funding Availability

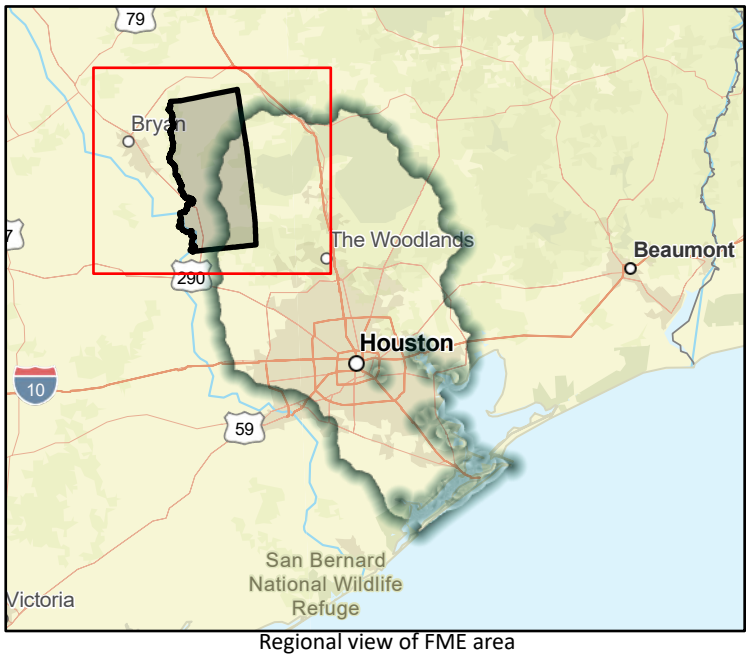
Total Cost: 750,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Widen Drainage Systems and Culverts in City of Kemah

ID#: 061000121

Sponsor (name of entity, not person): 06003396

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study to widen drainage systems and increase culvert size to accommodate increased water flows. Coordinate efforts with water district.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston,Chambers

Watershed HUC# (if known): 06000107,06000106

Drainage area (Square miles, est.): 1.91

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,792

# of structures: 562

Critical facilities: 7

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.73

Roadway(s) impacted (length): 12.01

Number of low water crossings:

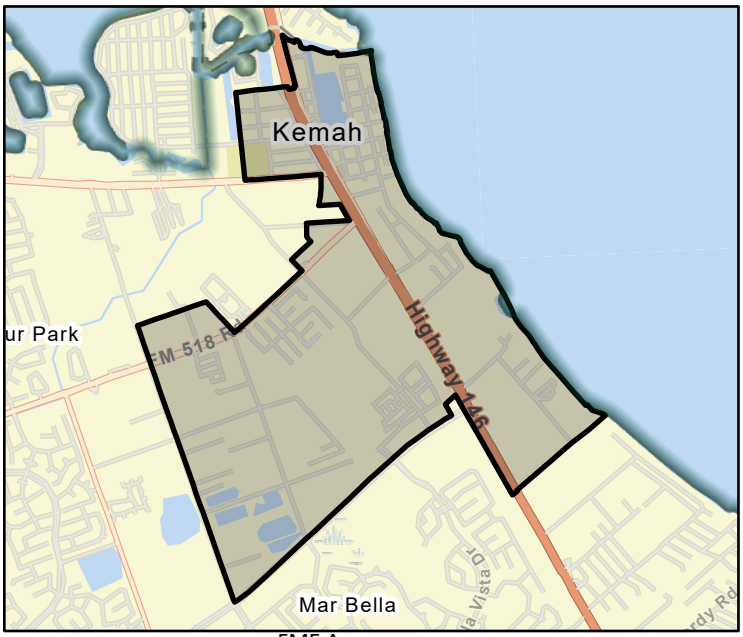
Historical road closures:

Estimated Cost and Funding Availability

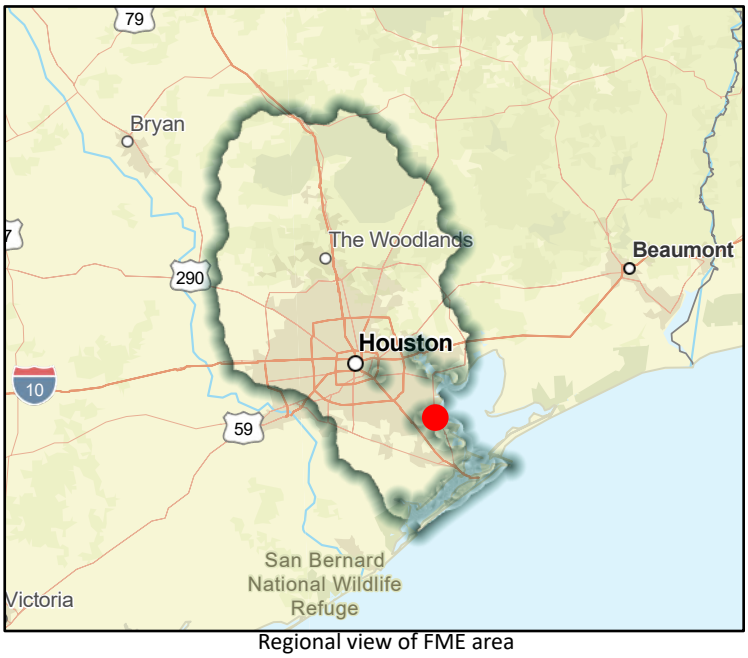
Total Cost: 100,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Widen Drainage Systems and Culverts in City of Clear Lake Shores

ID#: 061000122

Sponsor (name of entity, not person): 06002808

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study to widen drainage systems and increase culvert size to accommodate increased water flows. Coordinate efforts with water district.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston, Harris

Watershed HUC# (if known): 06000106

Drainage area (Square miles, est.): 0.71

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,597

# of structures: 633

Critical facilities: 4

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 8.83

Number of low water crossings: 0

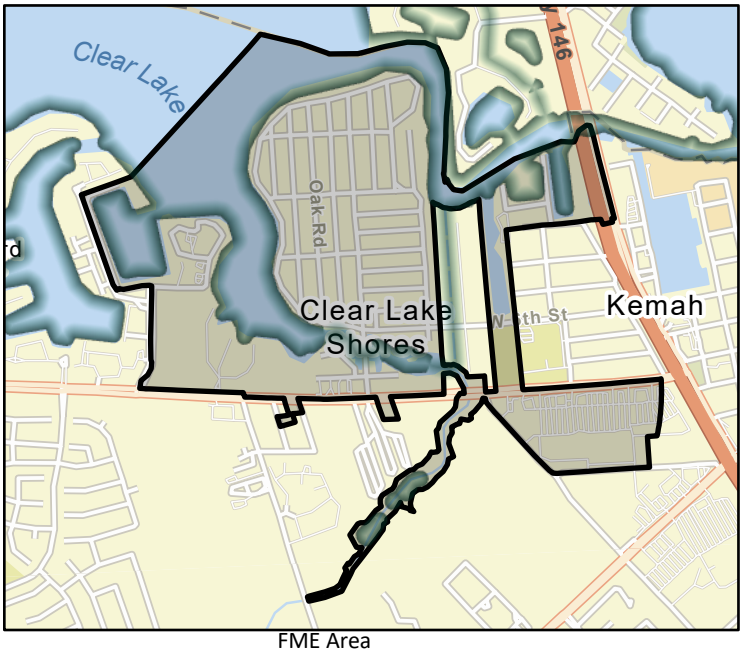
Historical road closures: 0

Estimated Cost and Funding Availability

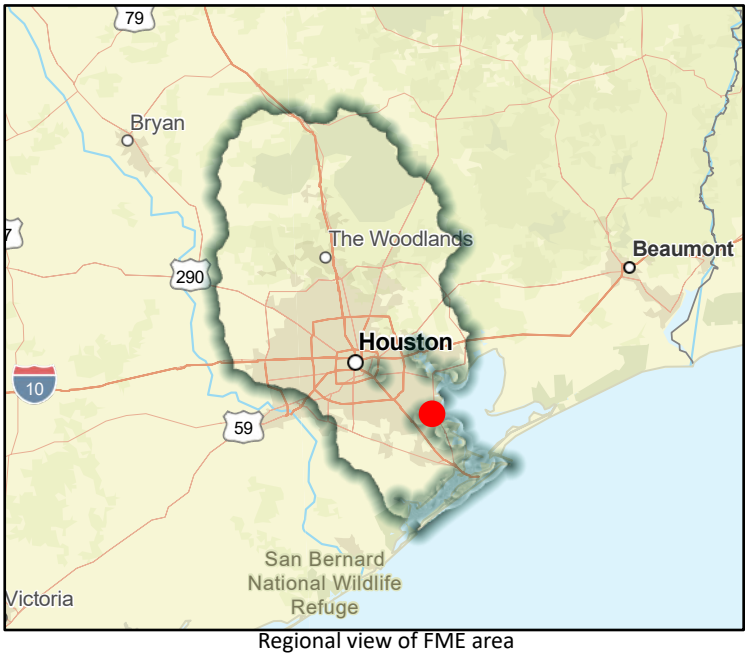
Total Cost: 100,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Replace Existing Culverts in City of Arcola

ID#: 061000124

Sponsor (name of entity, not person): 00002557

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Evaluation of proposed culvert replacement.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Fort Bend

Watershed HUC# (if known): 06000109

Drainage area (Square miles, est.): 2.60

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 39

# of structures: 41

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1.23

Roadway(s) impacted (length): 0.22

Number of low water crossings: 0

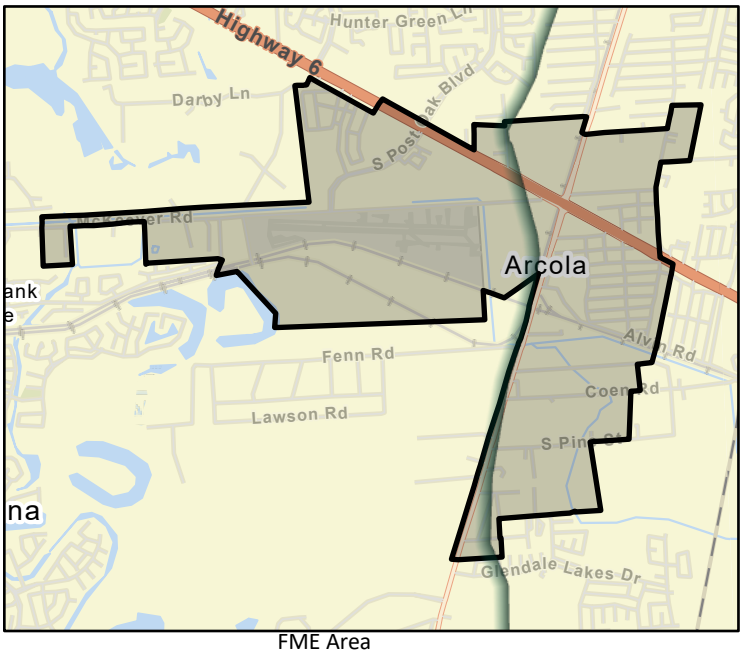
Historical road closures: 0

Estimated Cost and Funding Availability

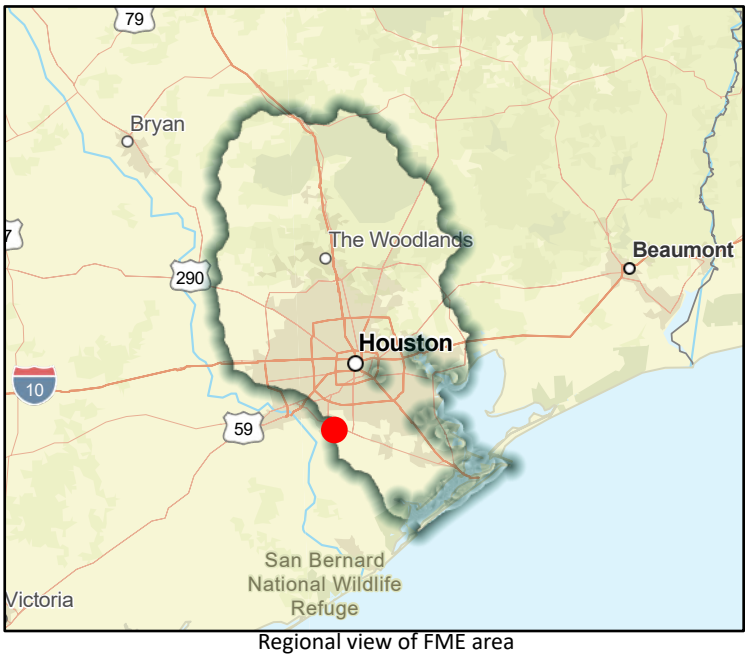
Total Cost: 200,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Update Liberty County Floodplain Maps

ID#: 061000125

Sponsor (name of entity, not person): 00000033

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study by participating jurisdictions to update floodway maps throughout the county, including Atlas 14 rainfalls.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Chambers,Harris,Liberty,Montgomery,San

Watershed HUC# (if known): 06000053,06000054,06000056,06000057,06000058,06000059,0600006

Drainage area (Square miles, est.): 1,169.76

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 3,574

# of structures: 3,614

Critical facilities: 8

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1,379.48

Roadway(s) impacted (length): 144.17

Number of low water crossings: 7

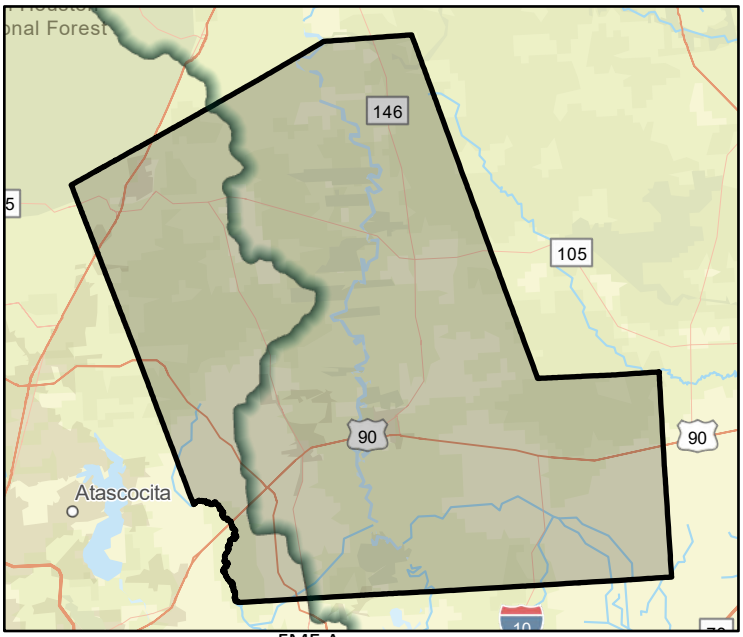
Historical road closures: 7

Estimated Cost and Funding Availability

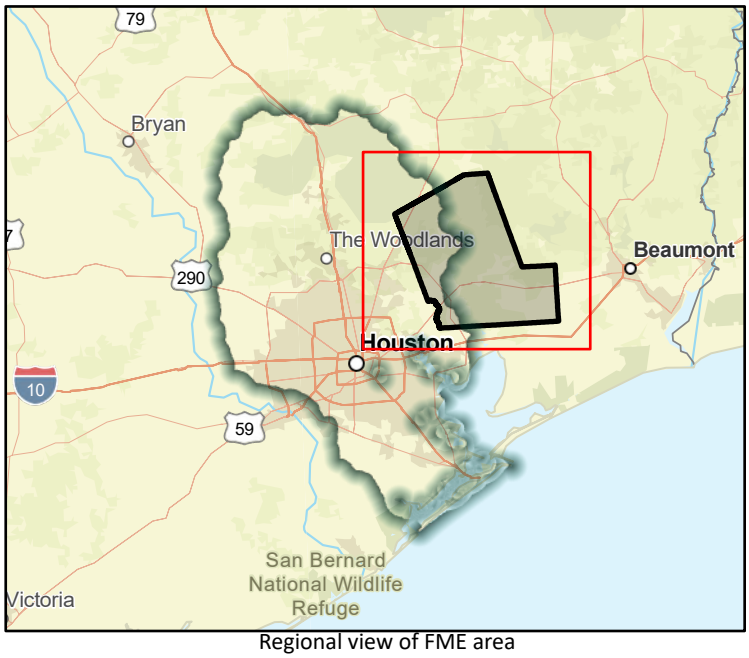
Total Cost: 1,243,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Waller County Flood Damage Prevention Planning

ID#: 061000129

Sponsor (name of entity, not person): 00000024

RFPG recommend? Yes | Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Establish watershed-based planning and studies to address flood hazards with neighborhing and constituent communities.

New Hydrologic or Hydraulic model? No | Emergency Need? No | Existing/Anticipated models in near term? No

County: Waller | Watershed HUC# (if known): 06000027,06000028,06000036,06000026,06000033,06000034,0600003

Drainage area (Square miles, est.): 515.95 | Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 1,858 | # of structures: 1,064 | Critical facilities: 6

Flood risk type: Riverine? No | Coastal? No | Local? Yes | Playa? No | Other? No

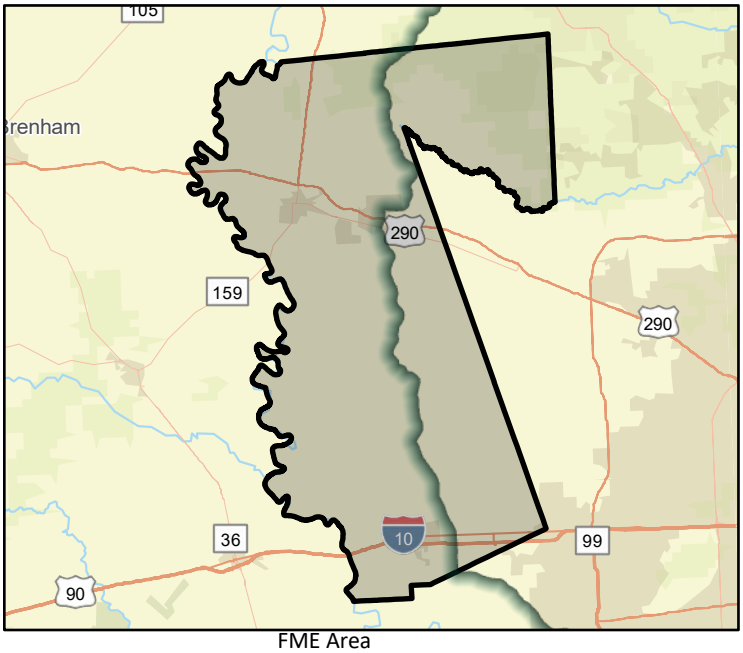
Farm/Ranch land impacted (acres): 1,357.32 | Roadway(s) impacted (length): 40.92

Number of low water crossings: 19 | Historical road closures: 19

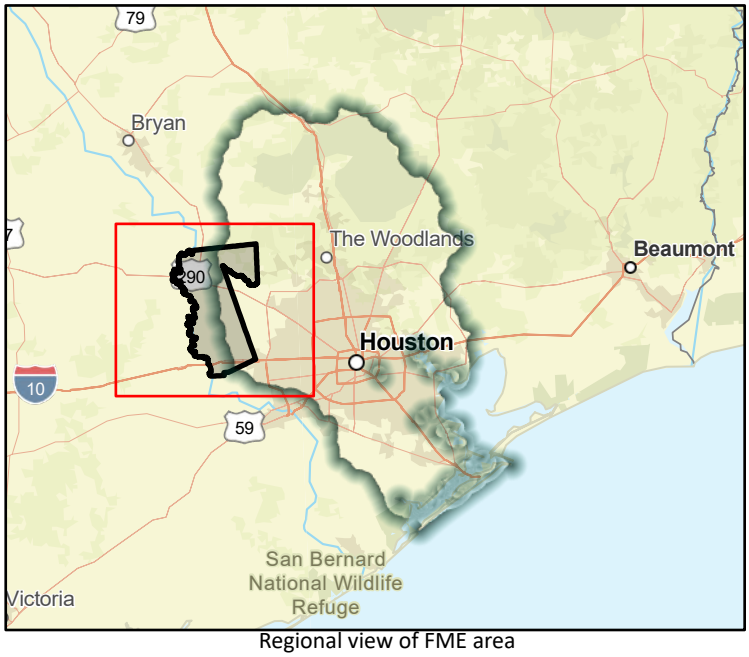
Estimated Cost and Funding Availability

Total Cost: 1,160,000.00 | Amount of Available Funding: 290,000.00

Funding source: General Revenue



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Hostetter and Gourd Creek Bridges Elevation Evaluation

ID#: 061000130

Sponsor (name of entity, not person): 00000053

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study to elevate and install culverts on Hostetter and Gourd Creek roadways to prevent flooding and/or flood damage on roadway.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Montgomery,San Jacinto,Walker

Watershed HUC# (if known): 06000006,06000008,06000046,06000061,06000062

Drainage area (Square miles, est.): 76.33

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,882

# of structures: 1,168

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 25.46

Roadway(s) impacted (length): 10.23

Number of low water crossings: 2

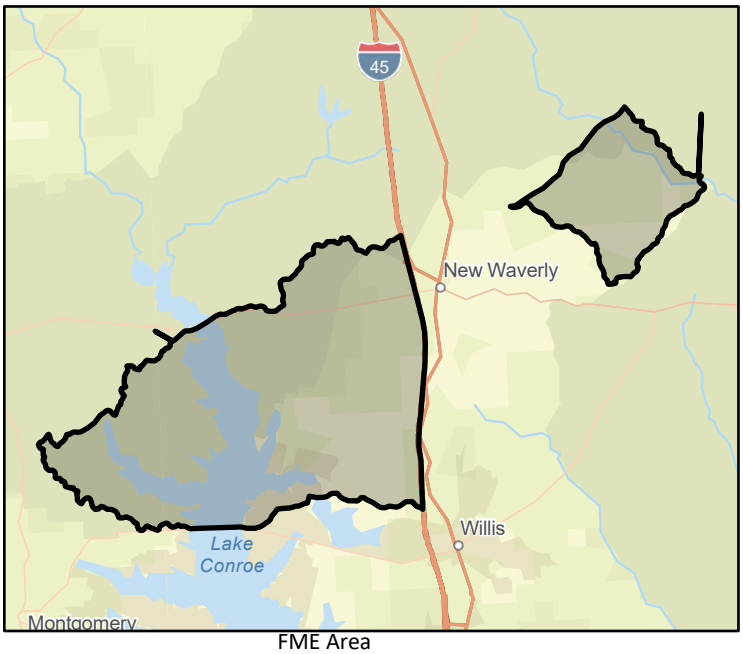
Historical road closures: 2

Estimated Cost and Funding Availability

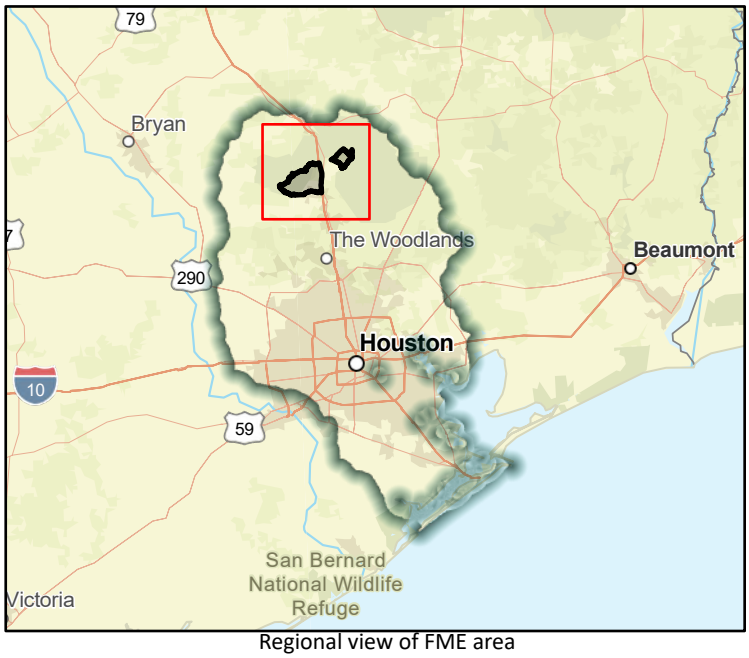
Total Cost: 130,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Implemention Study of Storm Sewer System Re-engineering in City of Kemah

ID#: 061000131

Sponsor (name of entity, not person): 06003396

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study of storm sewer system re-engineering and follow-up construction project to mitigate flood related impacts.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston,Chambers

Watershed HUC# (if known): 06000107,06000106

Drainage area (Square miles, est.): 1.91

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 2,792

# of structures: 562

Critical facilities: 7

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.73

Roadway(s) impacted (length): 12.01

Number of low water crossings:

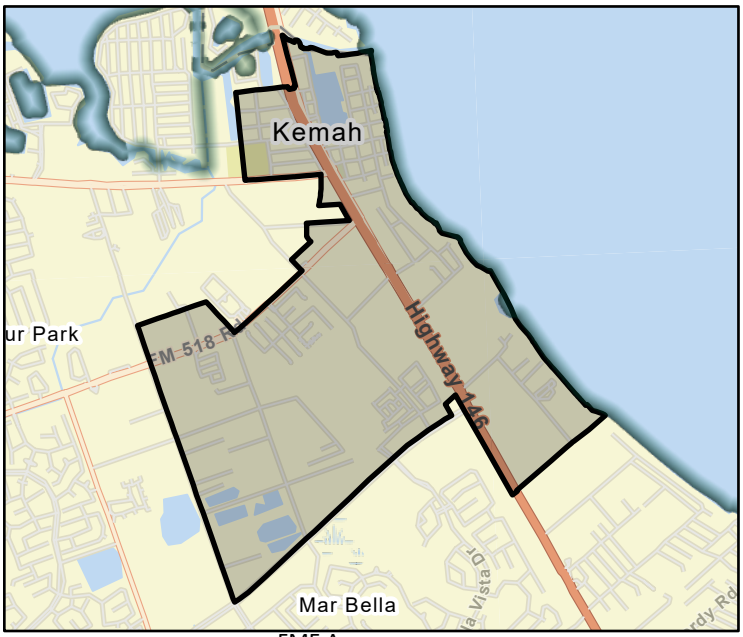
Historical road closures:

Estimated Cost and Funding Availability

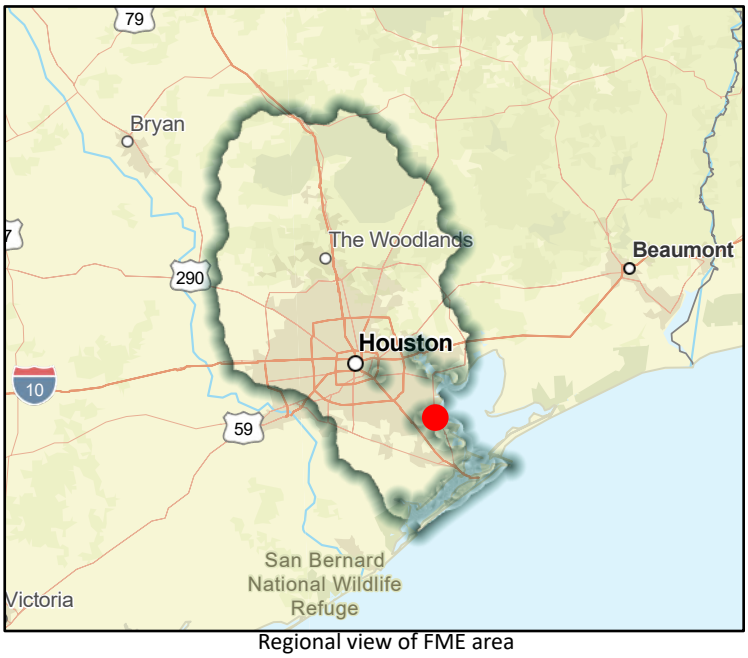
Total Cost: 190,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system

ID#: 061000134

Sponsor (name of entity, not person): 00000006

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Review findings of potential breach to dam/levee system and develop/implement mitigation actions as applicable.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000108,06000107,06000109,06000106

Drainage area (Square miles, est.): 664.95

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 102,745

# of structures: 48,545

Critical facilities: 667

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 3,412.03

Roadway(s) impacted (length): 910.36

Number of low water crossings: 30

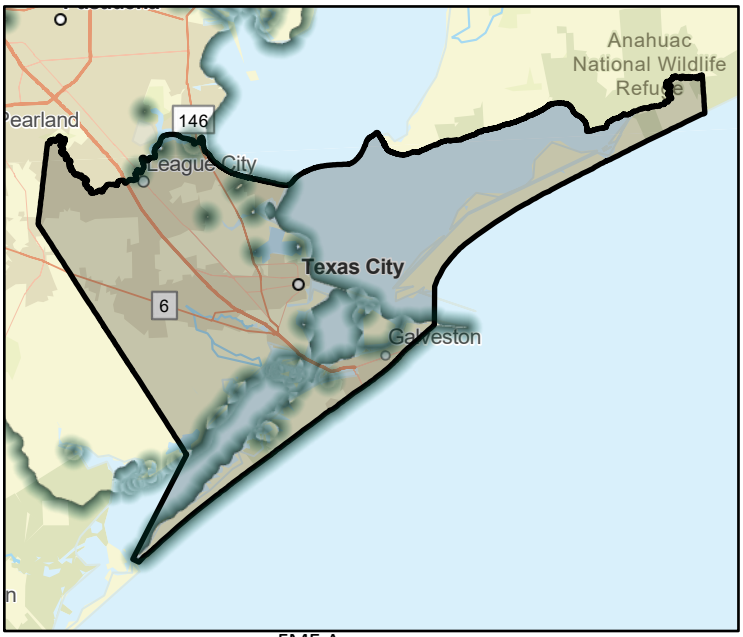
Historical road closures: 30

Estimated Cost and Funding Availability

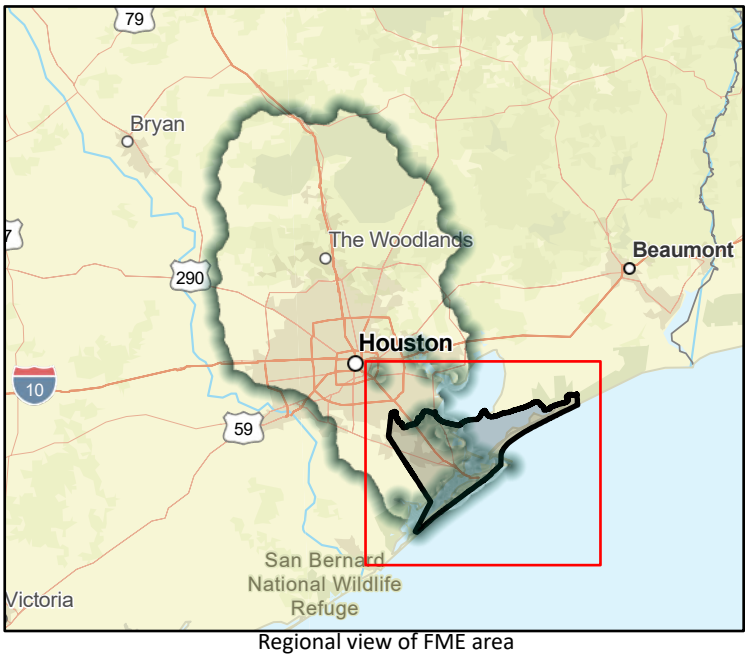
Total Cost: 1,590,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Recanalization Feasibility Study

ID#: 061000135

Sponsor (name of entity, not person): 00000033

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Dechannelize existing feeder creeks that flow from north to south and improve drainage for strom water runoff.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Liberty

Watershed HUC# (if known): 06000056,06000053,06000054,06000060,06000070,06000058,0600005

Drainage area (Square miles, est.): 1,169.76

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 3,574

# of structures: 3,614

Critical facilities: 8

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1,379.48

Roadway(s) impacted (length): 144.17

Number of low water crossings: 7

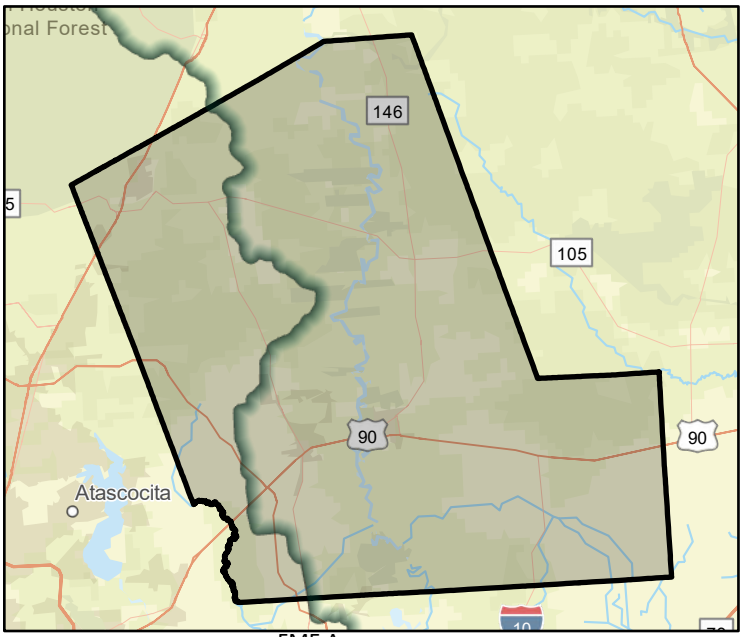
Historical road closures: 7

Estimated Cost and Funding Availability

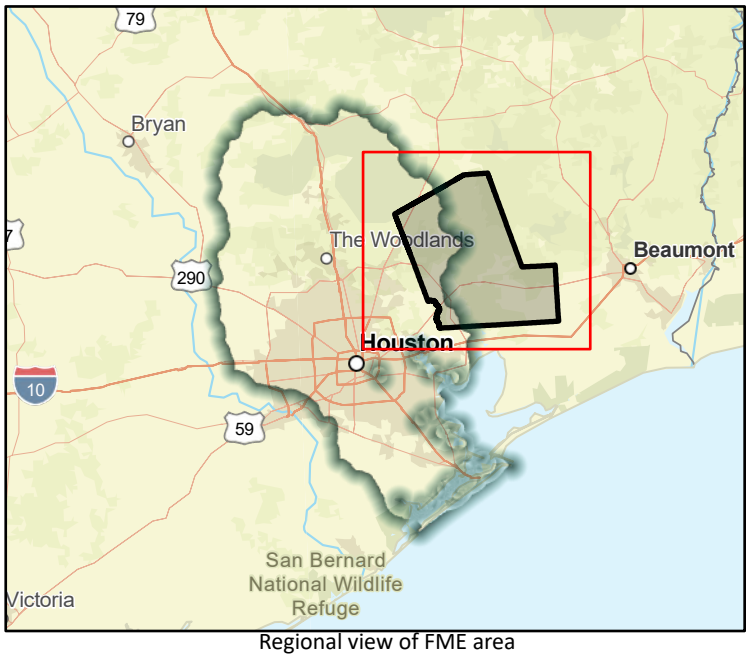
Total Cost: 486,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Elevate Existing Bridge - East Fork San Jacinto River

ID#: 061000140

Sponsor (name of entity, not person): 06002646

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Evaluate, Design and construct new bridge over east fork san jacinto river on low water bridge road to reduce flooding.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Liberty

Watershed HUC# (if known): 06000056,06000069

Drainage area (Square miles, est.): 1.91

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 42

# of structures: 52

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 6.18

Roadway(s) impacted (length): 3.31

Number of low water crossings:

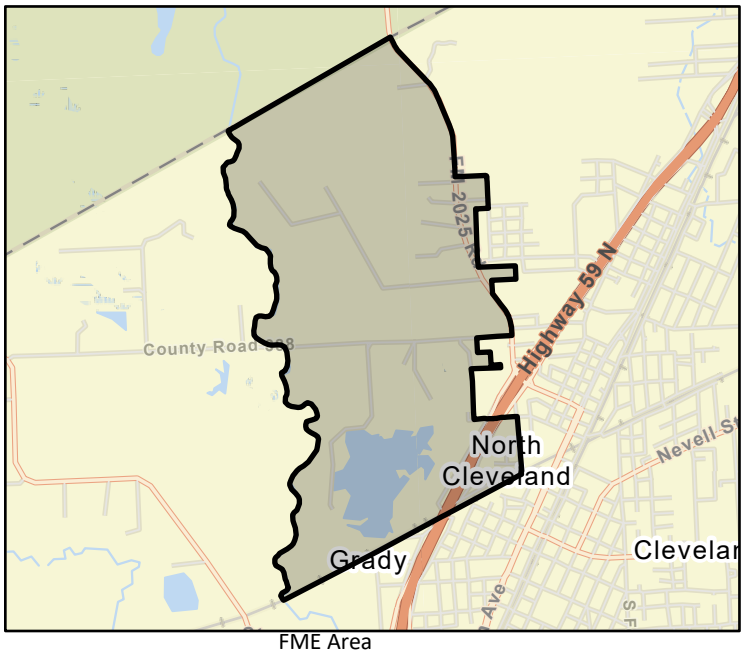
Historical road closures:

Estimated Cost and Funding Availability

Total Cost: 1,000,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Southwood Forest Subdivision and Forgotten Forest Subdivision Evaluation

ID#: 061000141

Sponsor (name of entity, not person): 00000053

RFPG recommend? Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a community-wide drainage system in Southwood Forest Subdivision and Forgotten Forest Subdivision.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County: Walker

Watershed HUC# (if known): 06000006

Drainage area (Square miles, est.): 0.29

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 5

# of structures: 13

Critical facilities: 0

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.00

Number of low water crossings:

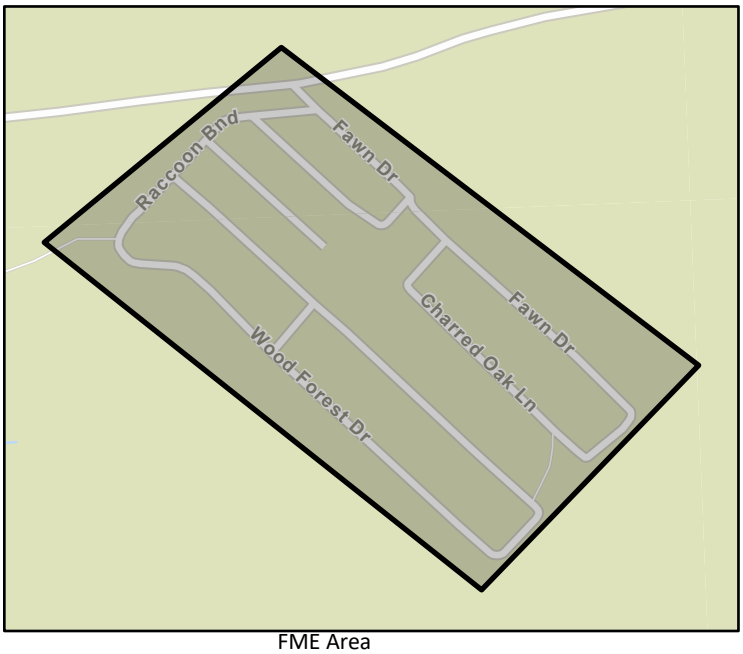
Historical road closures:

Estimated Cost and Funding Availability

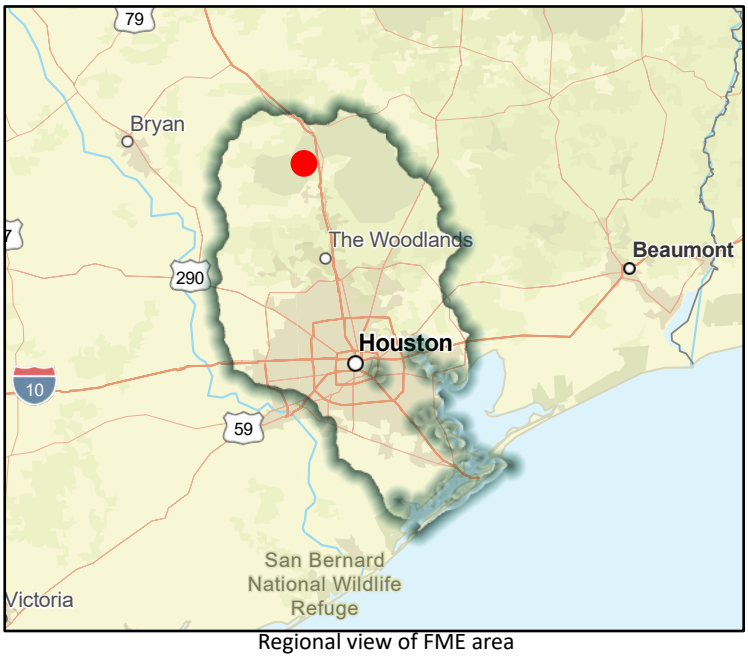
Total Cost: 110,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Shadowbend Drainage Improvements Phase 2

ID#: 061000142

Sponsor (name of entity, not person): 06002833

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of component of 1993 master Drainage Plan Phase 1 to include Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston,Harris

Watershed HUC# (if known): 06000107,06000106

Drainage area (Square miles, est.): 20.83

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 4,640

# of structures: 1,680

Critical facilities: 1

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 18.38

Roadway(s) impacted (length): 37.73

Number of low water crossings: 5

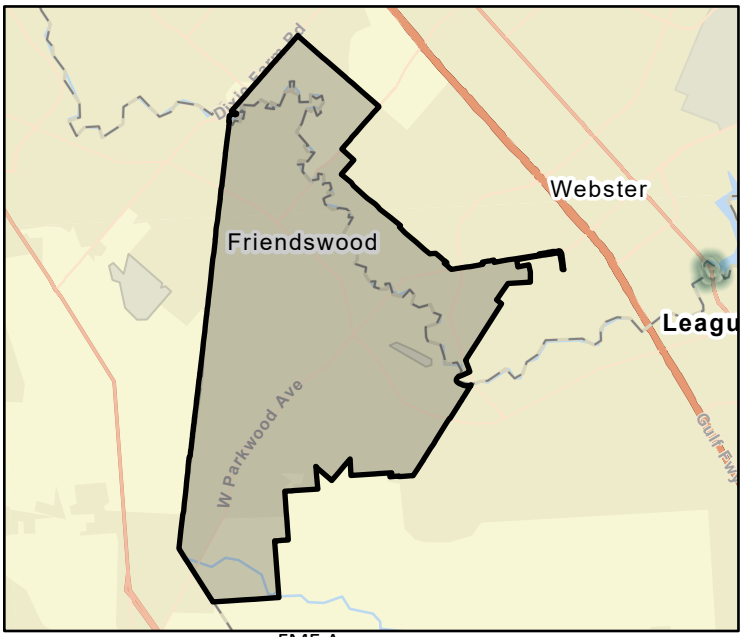
Historical road closures: 5

Estimated Cost and Funding Availability

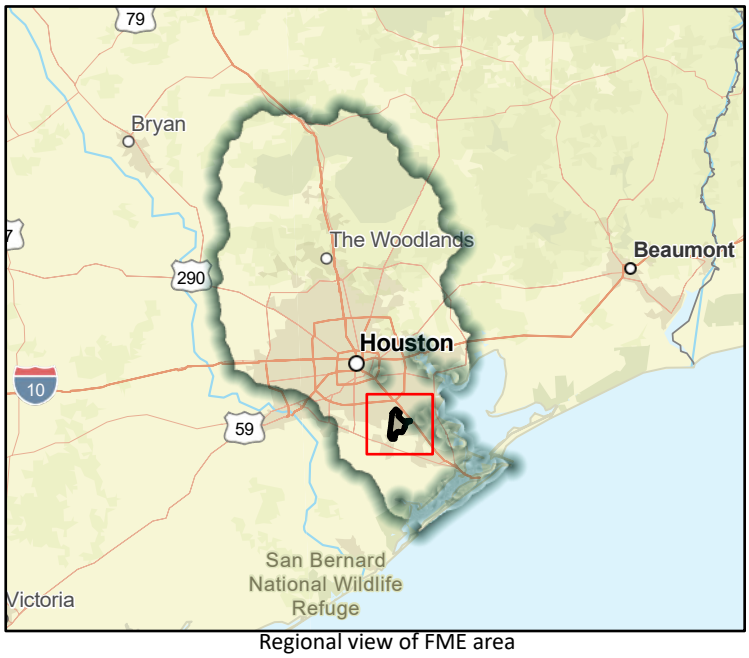
Total Cost: 950,000.00

Amount of Available Funding:

Funding source: Entity/ Budget Funds



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Todd Mission Reduction of Floodplain Area Roads and Drainage Upgrade

ID#: 061000143

Sponsor (name of entity, not person): 06003415

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Analysis of potential upgrades to be made to floodplain-area roads and drainage to reduce flood risk.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Grimes

Watershed HUC# (if known): 06000035,06000038

Drainage area (Square miles, est.): 2.00

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 16

# of structures: 17

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1.12

Roadway(s) impacted (length): 0.00

Number of low water crossings:

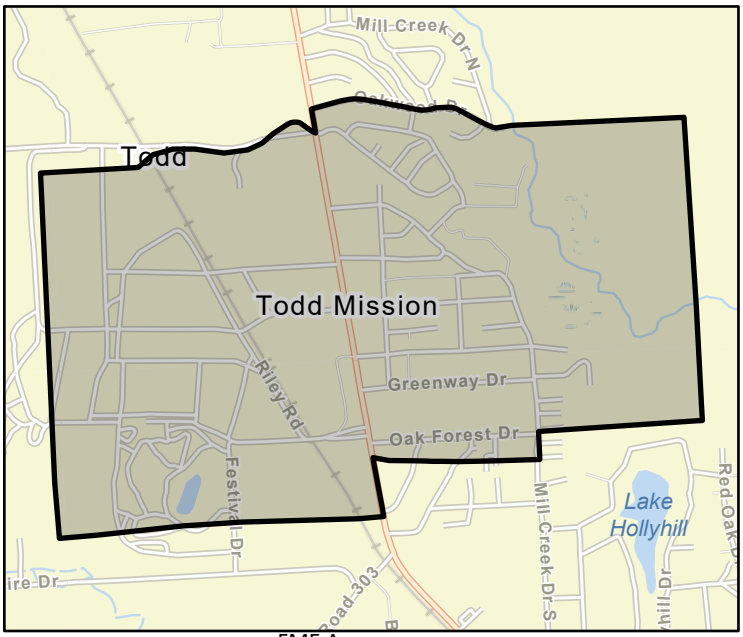
Historical road closures:

Estimated Cost and Funding Availability

Total Cost: 220,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Jamica Cove Rd. Survey

ID#: 061000145

Sponsor (name of entity, not person): 06002810

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Engineering assessment needed to determine if elevating the road would reduce future flooding impacts.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000108

Drainage area (Square miles, est.): 0.71

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 275

# of structures: 1,276

Critical facilities: 4

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 2.83

Roadway(s) impacted (length): 13.81

Number of low water crossings:

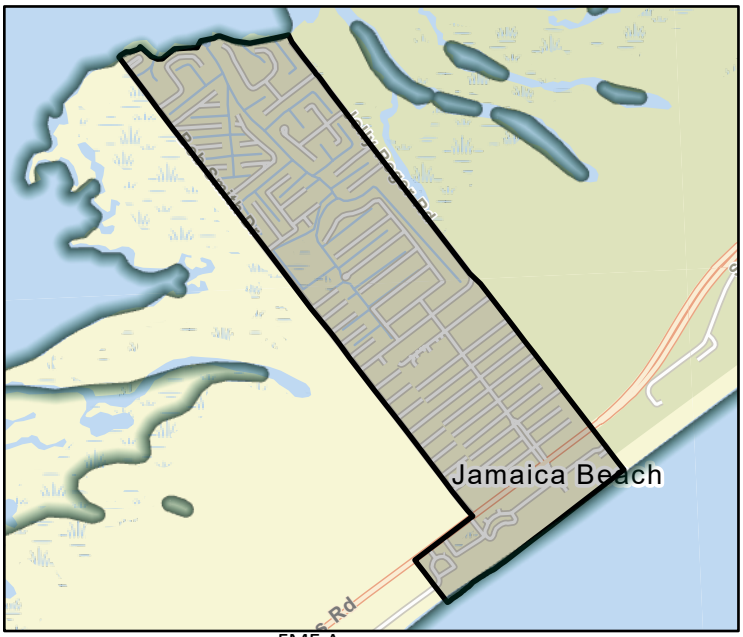
Historical road closures:

Estimated Cost and Funding Availability

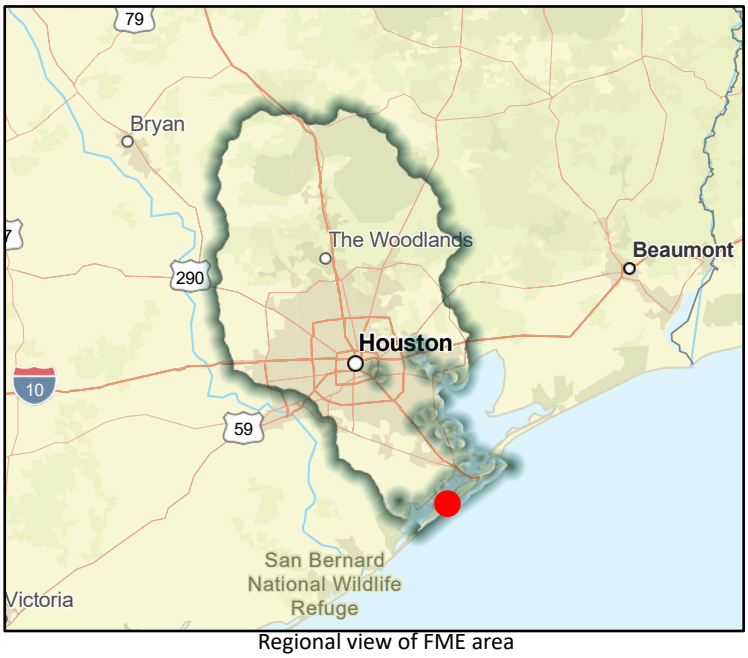
Total Cost: 140,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Implement Drainage Improvements in City of La Marque

ID#: 061000147

Sponsor (name of entity, not person): 06003146

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Implement drainage projects that support low maintenance and cleaning of drainage ditches.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000107

Drainage area (Square miles, est.): 14.23

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,455

# of structures: 829

Critical facilities: 8

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 37.85

Roadway(s) impacted (length): 31.12

Number of low water crossings: 1

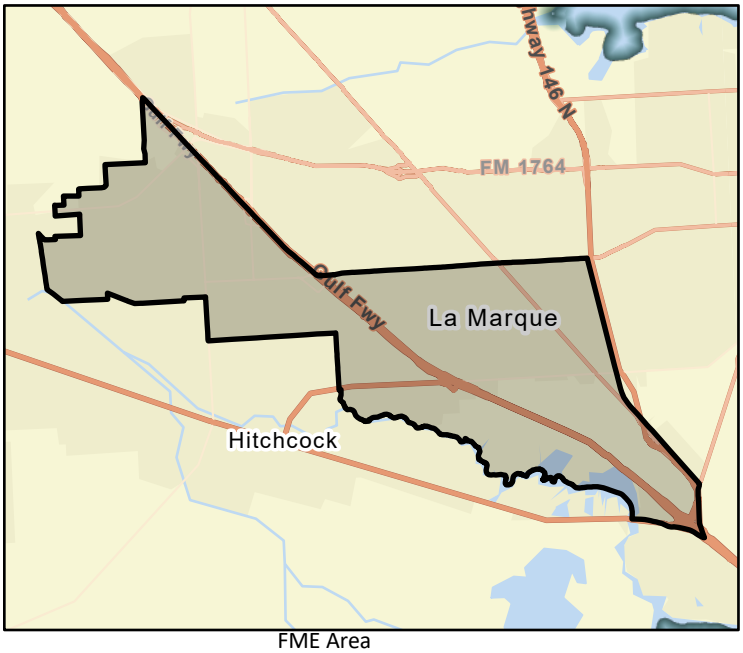
Historical road closures: 1

Estimated Cost and Funding Availability

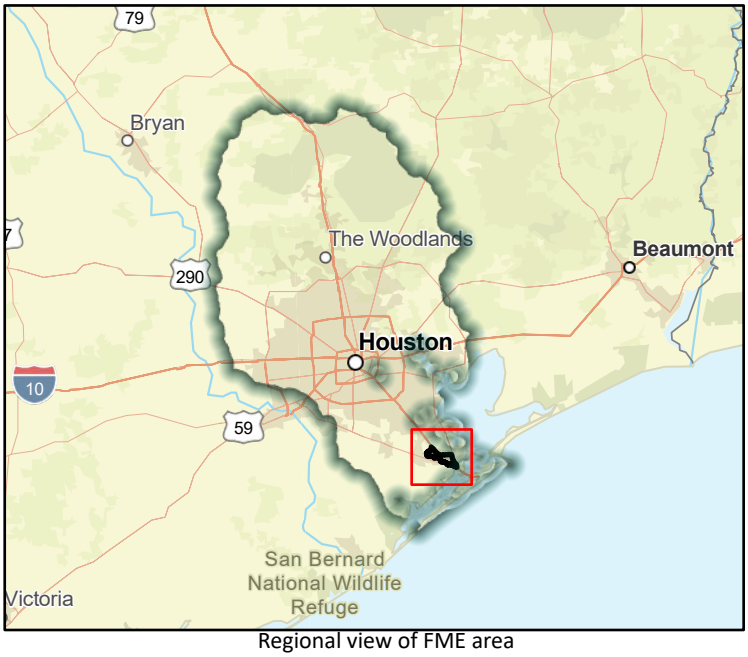
Total Cost: 360,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Liberty County Culvert Replacement Project

ID#: 061000148

Sponsor (name of entity, not person): 00000033

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Increase culvert size in identified flood hazard problem areas within Liberty County.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Liberty

Watershed HUC# (if known): 06000056,06000053,06000054,06000060,06000070,06000058,0600005

Drainage area (Square miles, est.): 1,169.76

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 3,574

# of structures: 3,614

Critical facilities: 8

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1,379.48

Roadway(s) impacted (length): 144.17

Number of low water crossings: 7

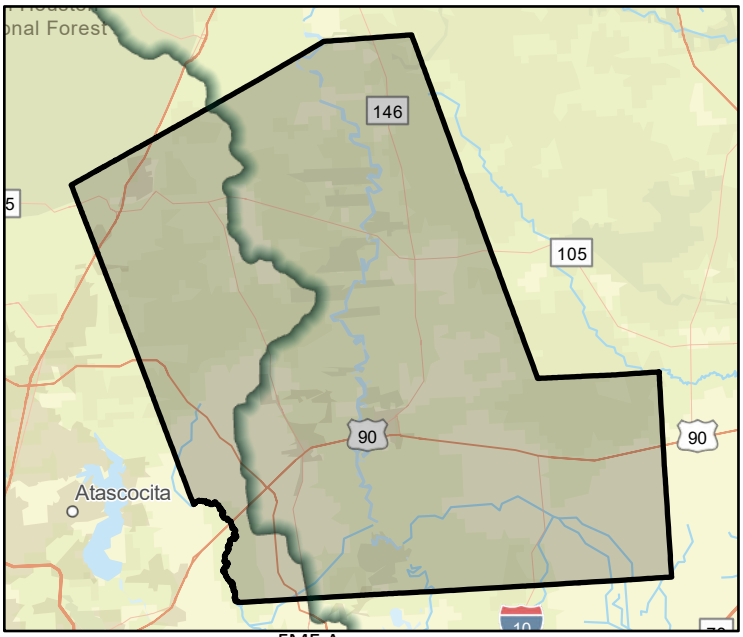
Historical road closures: 7

Estimated Cost and Funding Availability

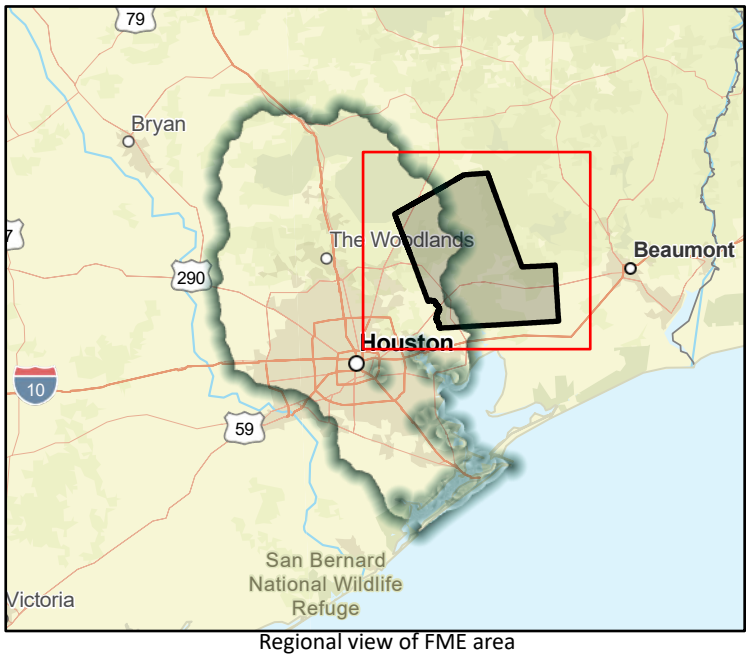
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Evaluatin of Increase Height of Existing Levee Wall System in City of La Marque

ID#: 061000149

Sponsor (name of entity, not person): 06003146

RFPG recommend? Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Increase height of existing Levee wall system to withstand a Category 5 storm surge.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County: Galveston

Watershed HUC# (if known): 06000107

Drainage area (Square miles, est.): 14.23

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,455

# of structures: 829

Critical facilities: 8

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 37.85

Roadway(s) impacted (length): 31.12

Number of low water crossings: 1

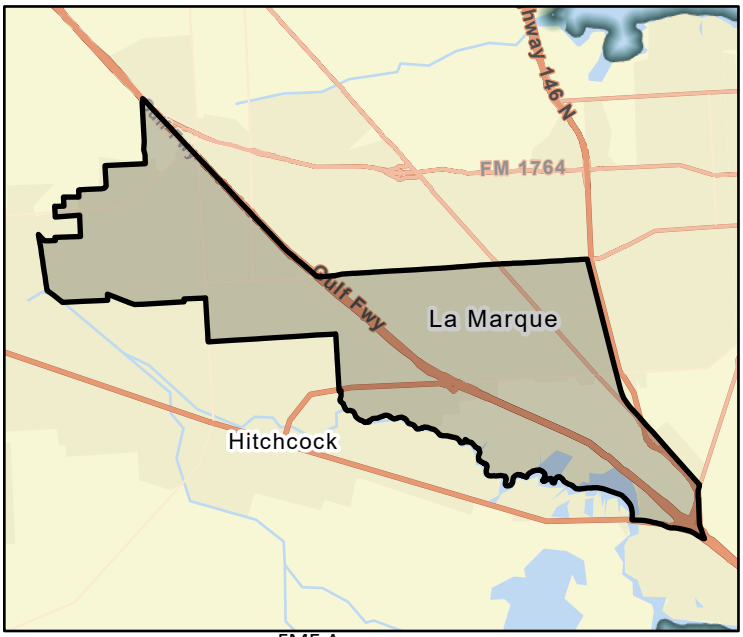
Historical road closures: 1

Estimated Cost and Funding Availability

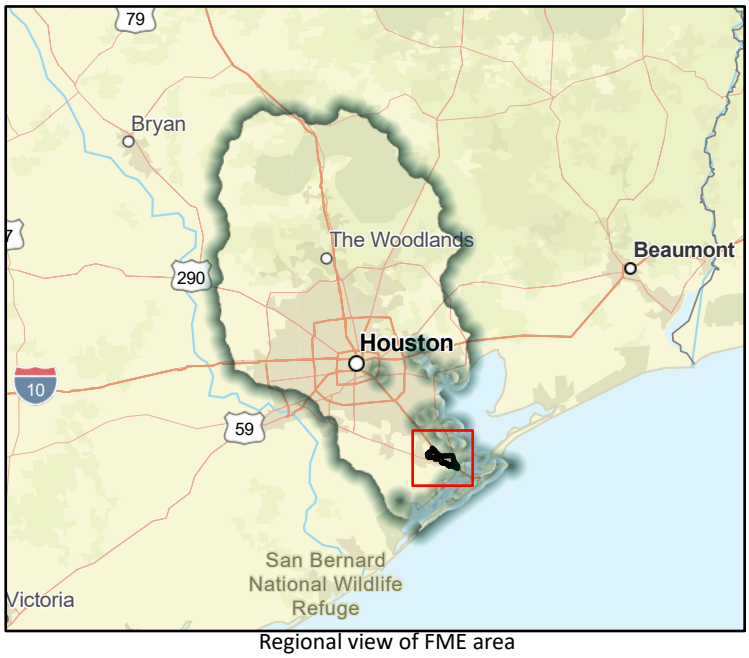
Total Cost: 810,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Evaluation of Reinforcement of Critical Facilities in the City of Arcola

ID#: 061000150

Sponsor (name of entity, not person): 00002557

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Reinforcement of critical facilities to withstand high winds from severe weather.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Fort Bend

Watershed HUC# (if known): 06000109

Drainage area (Square miles, est.): 2.60

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 39

# of structures: 41

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1.23

Roadway(s) impacted (length): 0.22

Number of low water crossings: 0

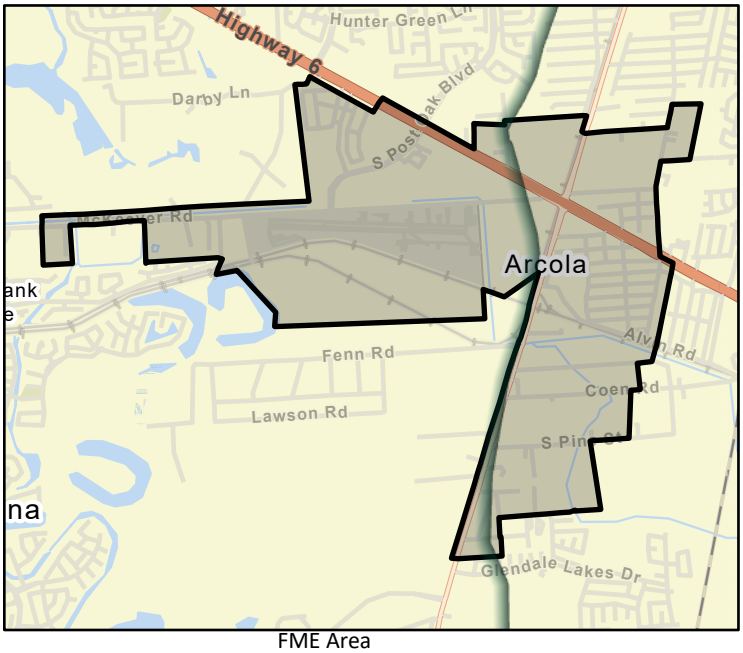
Historical road closures: 0

Estimated Cost and Funding Availability

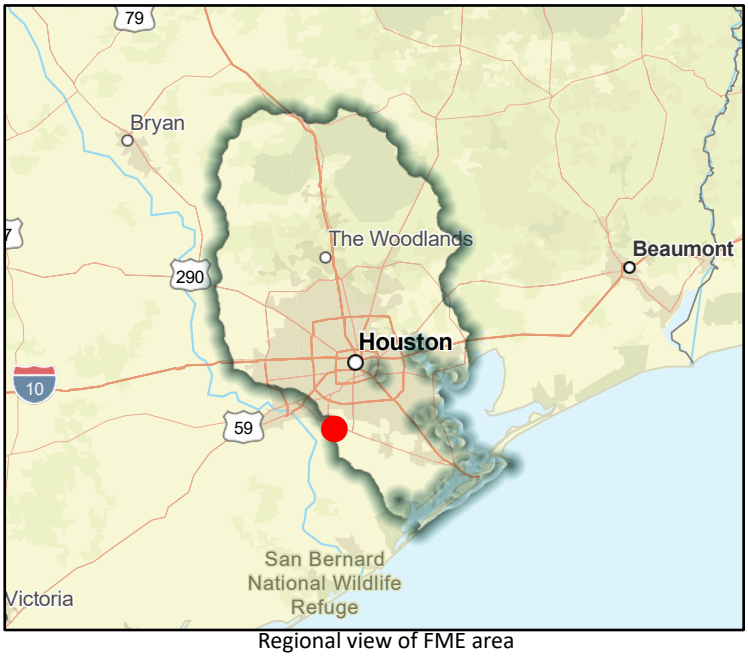
Total Cost: 200,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Evaluation of Mitigation Alternatives for Repetietive Flood Claims Properties in Galveston County

ID#: 061000151

Sponsor (name of entity, not person): 00000006

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Evaluate Mitigation Alternatives of Repetitive Flood Claim Properties in Galveston County.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000108,06000107,06000109,06000106

Drainage area (Square miles, est.): 664.95

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 102,745

# of structures: 48,545

Critical facilities: 667

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 3,412.03

Roadway(s) impacted (length): 910.36

Number of low water crossings: 30

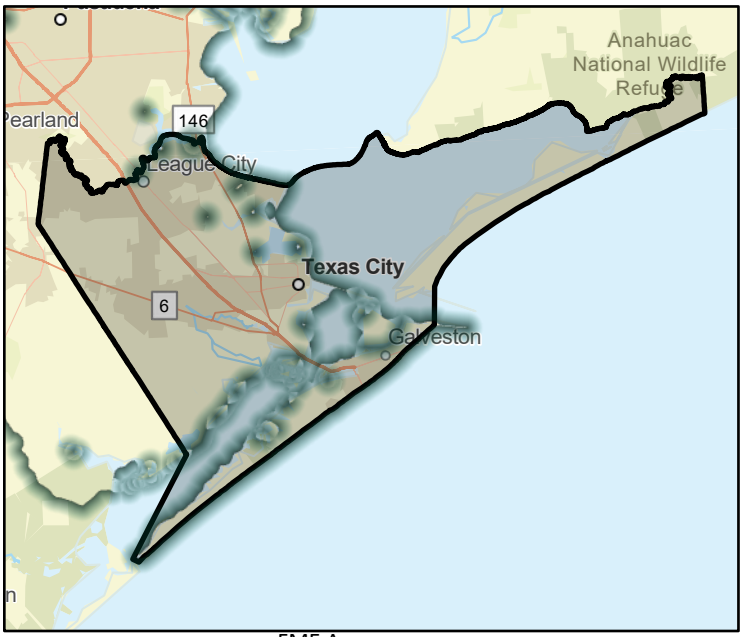
Historical road closures: 30

Estimated Cost and Funding Availability

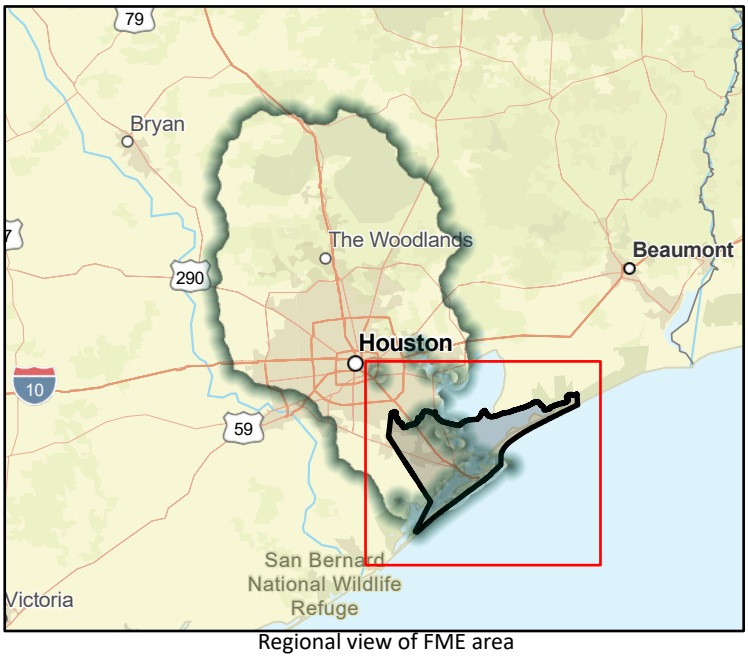
Total Cost: 11,000,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Cane Island Branch- Alt 1

ID#: 061000152

Sponsor (name of entity, not person): 00000024

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of 2,800 ac-ft detention upstream of Pitts road.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Fort Bend,Harris,Waller

Watershed HUC# (if known): 06000028,06000072,06000073,06000074,06000071,06000077

Drainage area (Square miles, est.): 14.52

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,840

# of structures: 650

Critical facilities: 8

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 119.10

Roadway(s) impacted (length): 10.09

Number of low water crossings: 5

Historical road closures: 5

Estimated Cost and Funding Availability

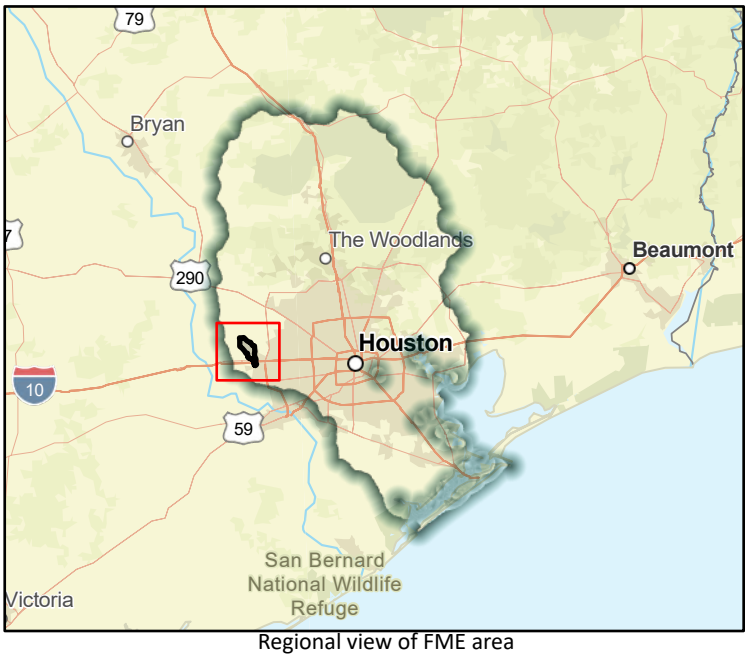
Total Cost: 180,000.00

Amount of Available Funding: 45,000.00

Funding source: General Revenue



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Downtown Cleveland Drainage Line Installation

ID#: 061000153

Sponsor (name of entity, not person): 06002530

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of proposed larger drainage lines in downtown Cleveland to reduce flooding.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Liberty,Montgomery,San Jacinto

Watershed HUC# (if known): 06000056,06000053,06000054,06000058,06000057,06000069

Drainage area (Square miles, est.): 18.74

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,037

# of structures: 260

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 28.88

Roadway(s) impacted (length): 27.33

Number of low water crossings: 1

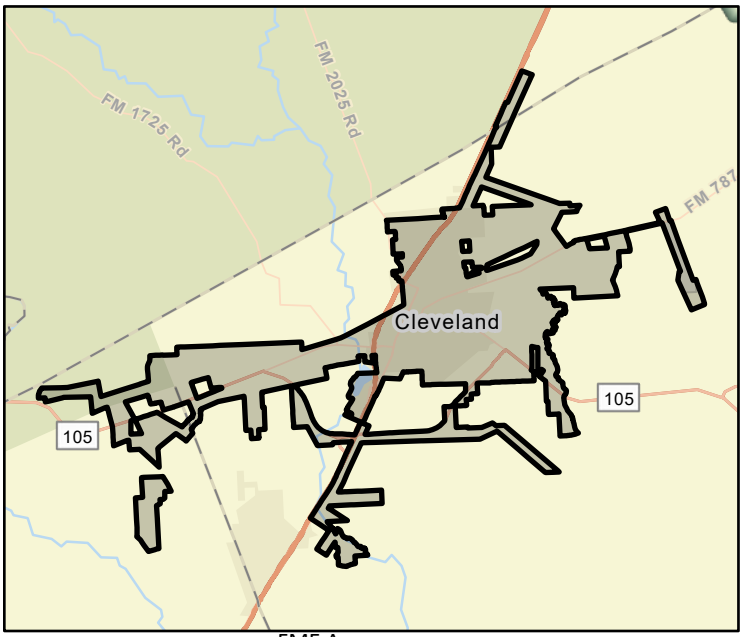
Historical road closures: 1

Estimated Cost and Funding Availability

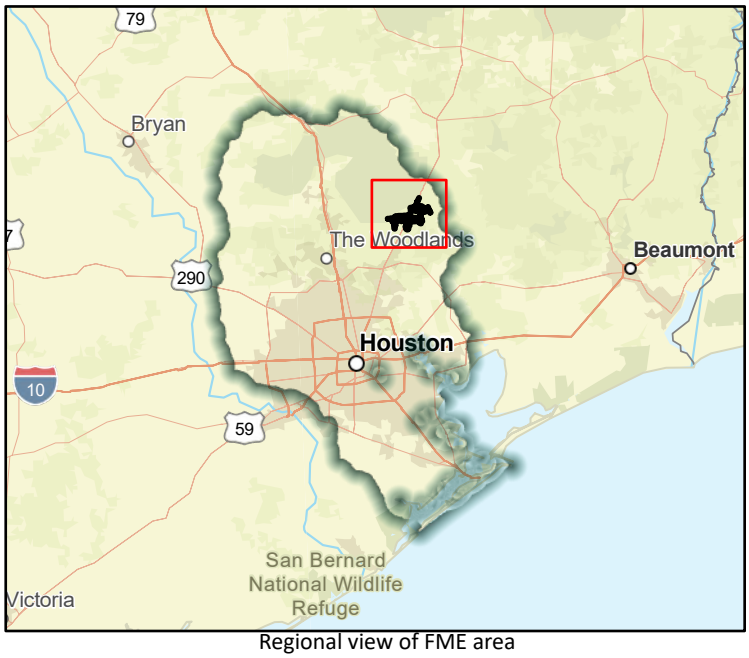
Total Cost: 50,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Flood Gates Evaluation at Walker County Annex #2

ID#: 061000156

Sponsor (name of entity, not person): 00000053

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Evaluation of proposed removable facility flood gates at Walker County Annex #2

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Walker

Watershed HUC# (if known): 06000004,06000001,06000002,06000003,06000005,06000006,0600000

Drainage area (Square miles, est.): 797.84

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 545

# of structures: 505

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 180.47

Roadway(s) impacted (length): 25.43

Number of low water crossings: 2

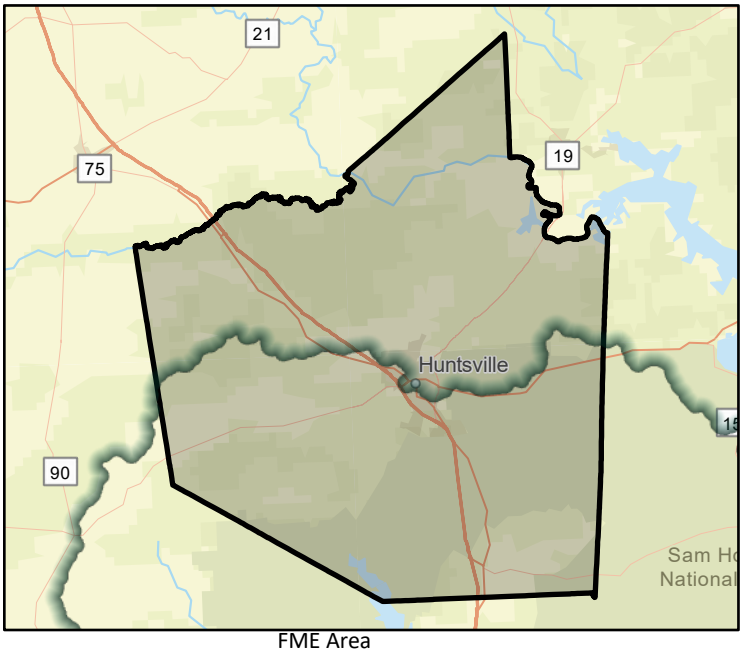
Historical road closures: 2

Estimated Cost and Funding Availability

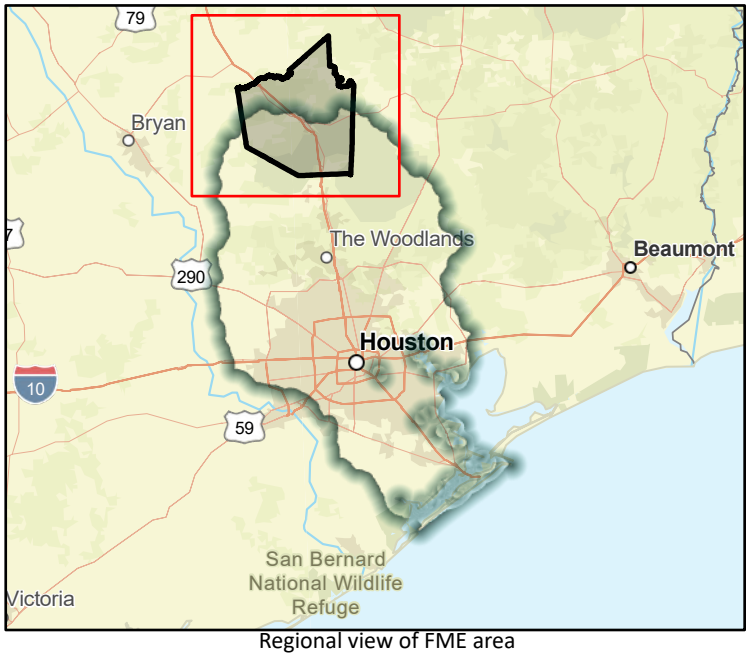
Total Cost: 20,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Bayou Vista Canal Dredging Study

ID#: 061000158

Sponsor (name of entity, not person): 06002806

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Plan for Canal Dredging to reduce sediment deposited during storm events. Study to develop and implement canal dredging program.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000107

Drainage area (Square miles, est.): 0.45

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,476

# of structures: 1,122

Critical facilities: 3

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 7.71

Number of low water crossings:

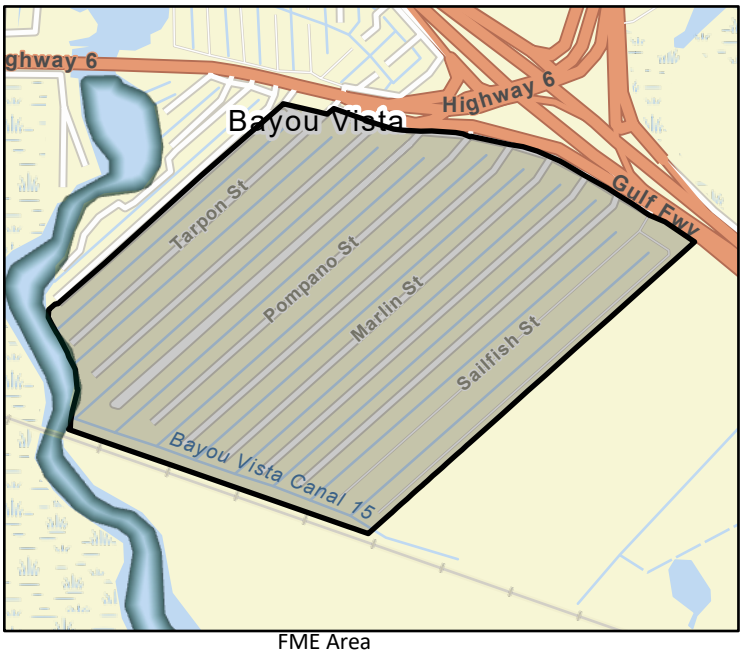
Historical road closures:

Estimated Cost and Funding Availability

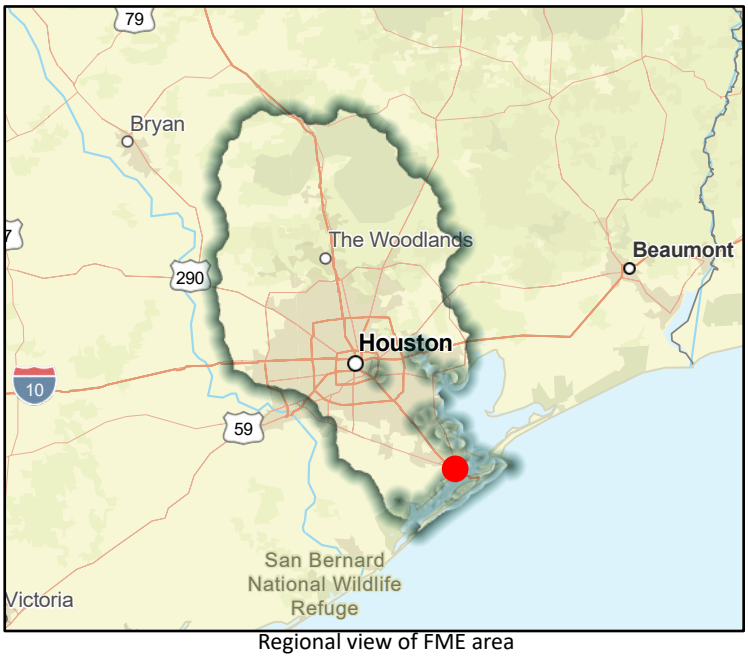
Total Cost: 130,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Liberty County Regional Flood Drainage Plan

ID#: 061000160

Sponsor (name of entity, not person): 00000033

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Regional drainage study to establish a county wide drainage plan including atlas 14 rainfall.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Liberty

Watershed HUC# (if known): 06000056,06000053,06000054,06000060,06000070,06000058,0600005

Drainage area (Square miles, est.): 1,169.76

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 3,574

# of structures: 3,614

Critical facilities: 8

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1,379.48

Roadway(s) impacted (length): 144.17

Number of low water crossings: 7

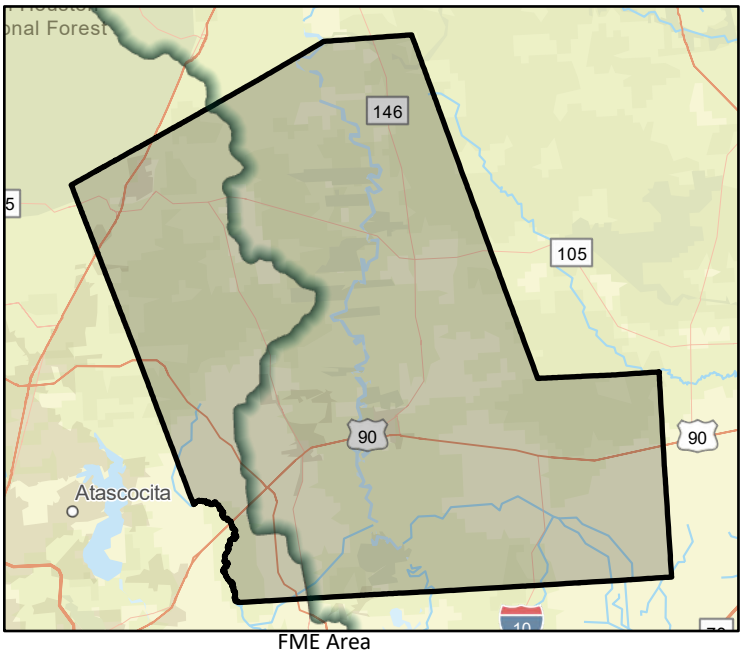
Historical road closures: 7

Estimated Cost and Funding Availability

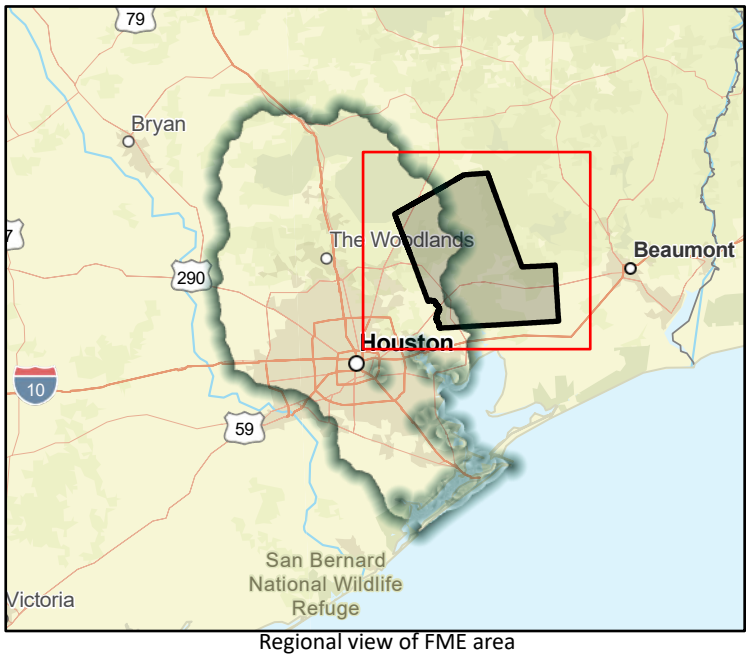
Total Cost: 486,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of North Cleveland Engineering Study

ID#: 061000161

Sponsor (name of entity, not person): 06002646

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to identify drainage improvements in the City of North Cleveland.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Liberty,Montgomery,San Jacinto

Watershed HUC# (if known): 06000056,06000069

Drainage area (Square miles, est.): 18.74

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 42

# of structures: 52

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 6.18

Roadway(s) impacted (length): 3.31

Number of low water crossings:

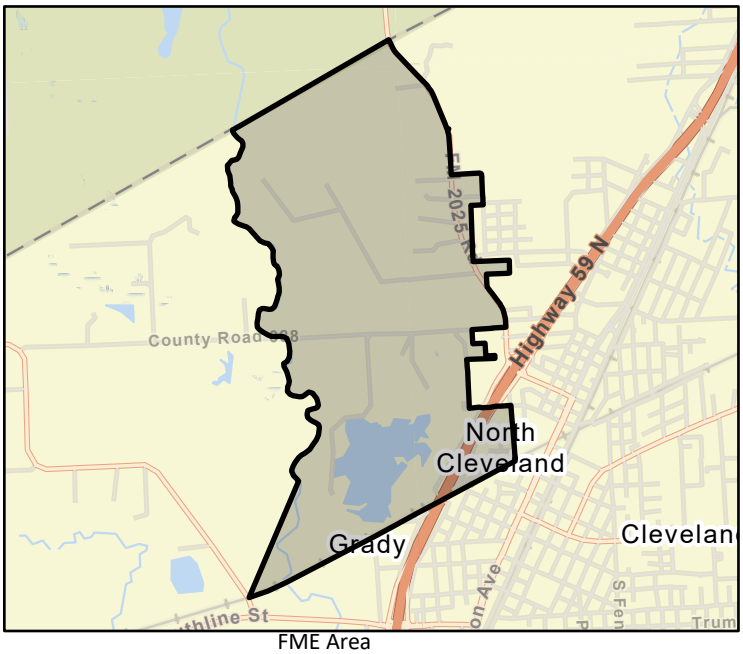
Historical road closures:

Estimated Cost and Funding Availability

Total Cost: 400,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Elevation of Bridge Road in City of North Cleveland

ID#: 061000162

Sponsor (name of entity, not person): 06002646

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study to elevate Bridge road.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Liberty,Montgomery,San Jacinto

Watershed HUC# (if known): 06000056,06000069

Drainage area (Square miles, est.): 18.74

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 42

# of structures: 52

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 6.18

Roadway(s) impacted (length): 3.31

Number of low water crossings:

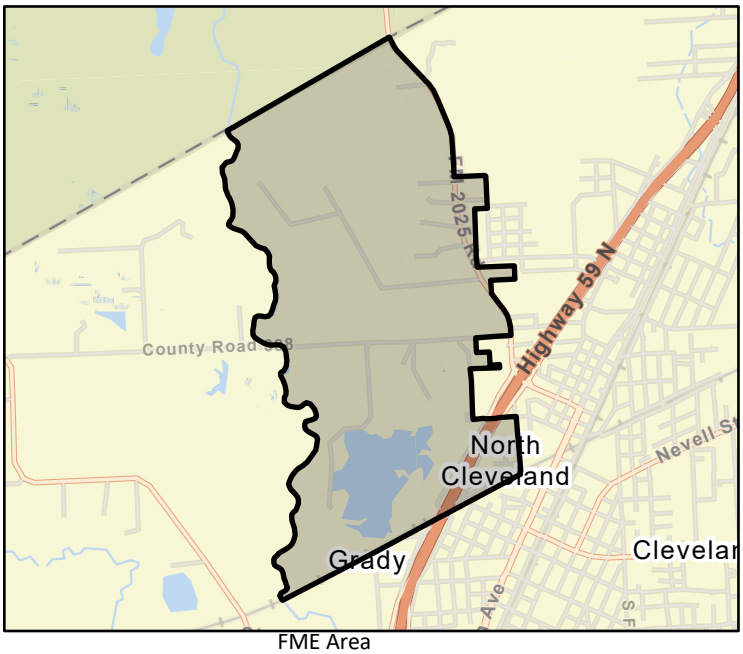
Historical road closures:

Estimated Cost and Funding Availability

Total Cost: 120,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Galveston County Drainage System Improvement Study

ID#: 061000163

Sponsor (name of entity, not person): 00000006

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study to widen drainage systems and increase culvert size to accommodate increased water flows. Coordinate efforts with water district.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000108,06000107,06000109,06000106

Drainage area (Square miles, est.): 664.95

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 102,745

# of structures: 48,545

Critical facilities: 667

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 3,412.03

Roadway(s) impacted (length): 910.36

Number of low water crossings: 30

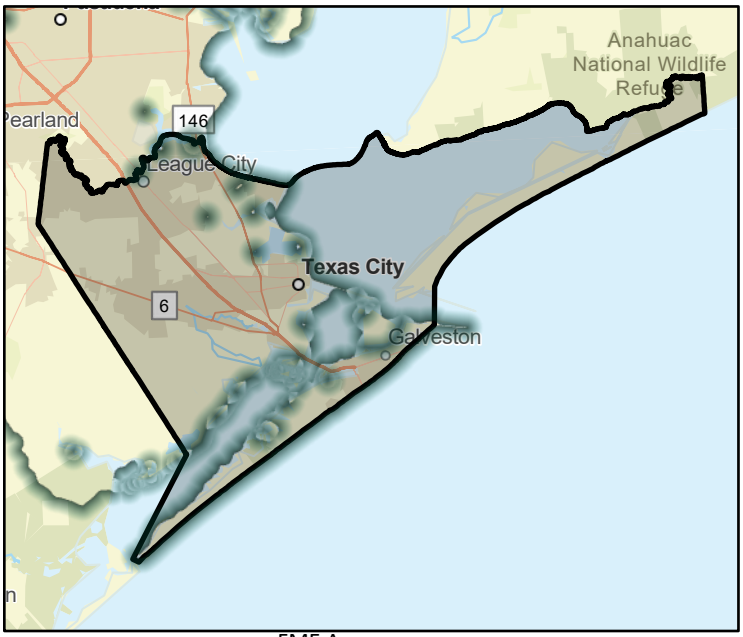
Historical road closures: 30

Estimated Cost and Funding Availability

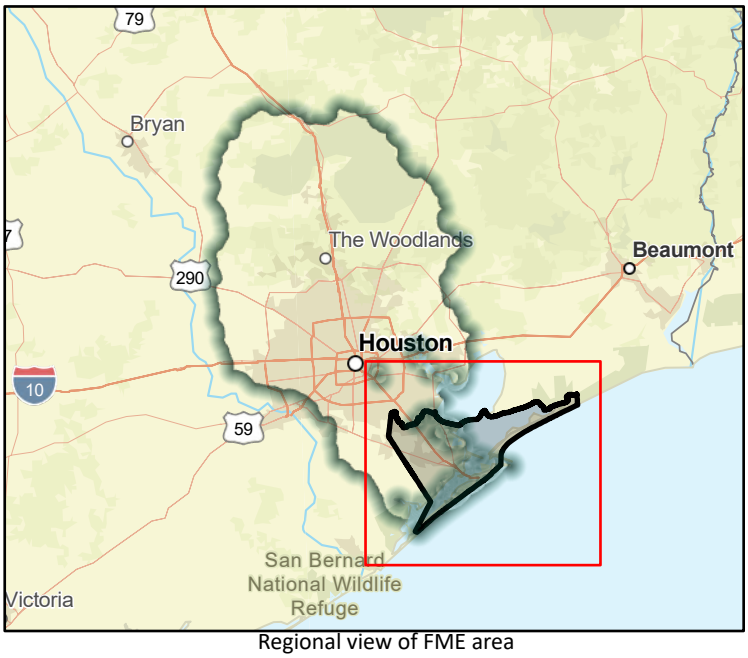
Total Cost: 1,590,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Storm Water Detention Ponds Evalution in the City of Santa Fe

ID#: 061000164

Sponsor (name of entity, not person): 06003149

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study to determine detention ponds/basin could be solution for addressing flood impacts.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000108,06000107

Drainage area (Square miles, est.): 17.04

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 748

# of structures: 399

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 12.13

Roadway(s) impacted (length): 4.13

Number of low water crossings: 9

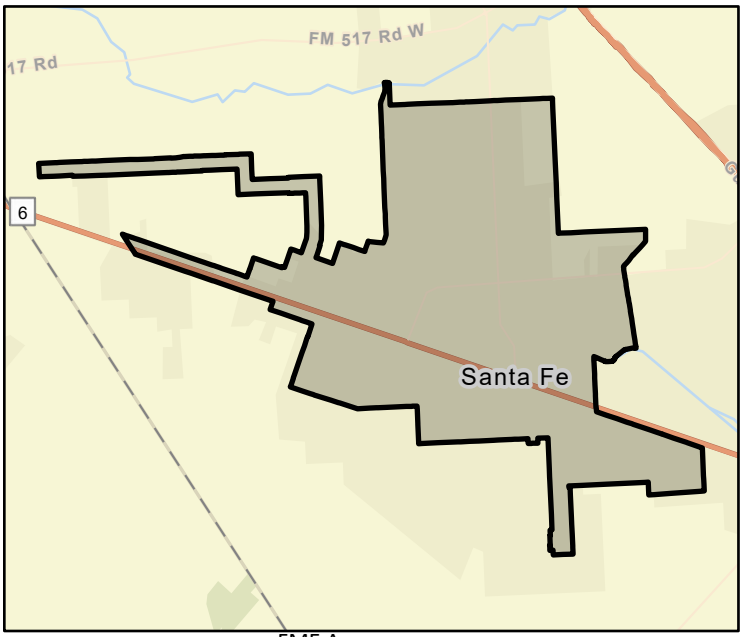
Historical road closures: 9

Estimated Cost and Funding Availability

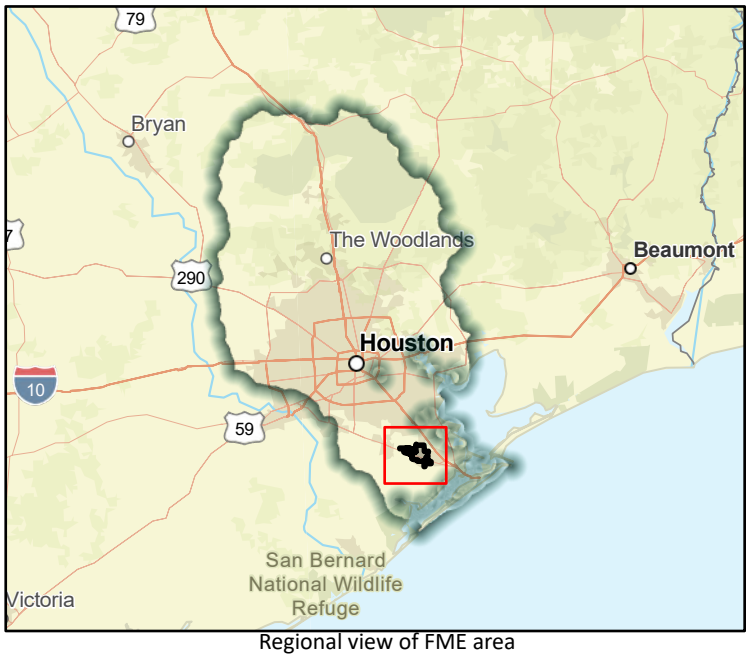
Total Cost: 380,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Drainage System Analysis for City of Santa Fe

ID#: 061000165

Sponsor (name of entity, not person): 06003149

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study to widen drainage systems and increase culvert size to accommodate increased water flows. Coordinate efforts with water district.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000108,06000107

Drainage area (Square miles, est.): 17.04

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 748

# of structures: 399

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 12.13

Roadway(s) impacted (length): 4.13

Number of low water crossings: 9

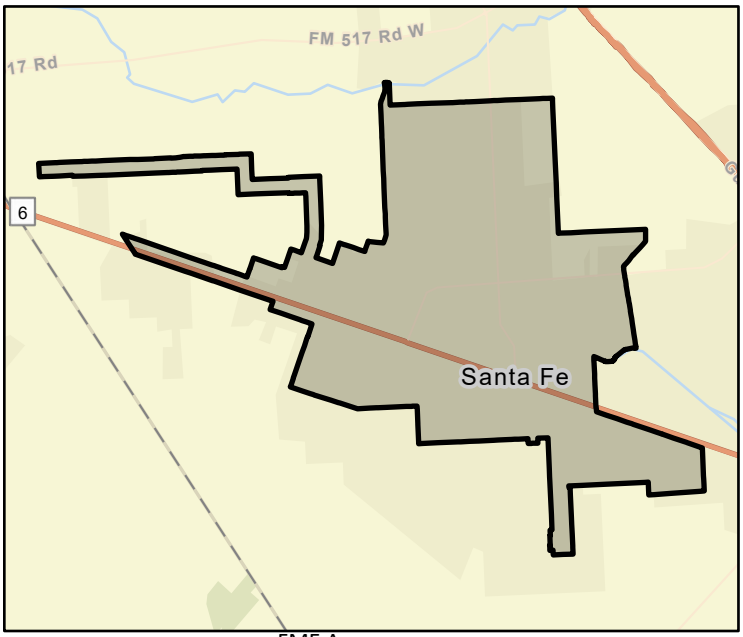
Historical road closures: 9

Estimated Cost and Funding Availability

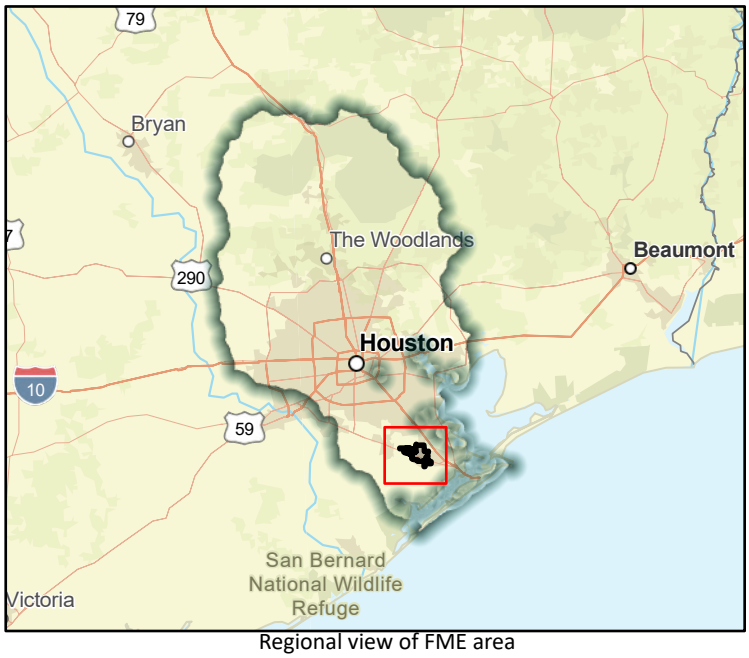
Total Cost: 300,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Stafford Run Creek Detention Pond Construction

ID#: 061000166

Sponsor (name of entity, not person): 00003596

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of proposed detention ponds immediately downstream of Brand Lane and Independence Park.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Fort Bend,Harris

Watershed HUC# (if known): 06000083,06000085,06000109

Drainage area (Square miles, est.): 7.02

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures:

Critical facilities:

Flood risk type: Riverine?: Yes Coastal?: No Local?: Yes Playa?: No Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.00

Number of low water crossings:

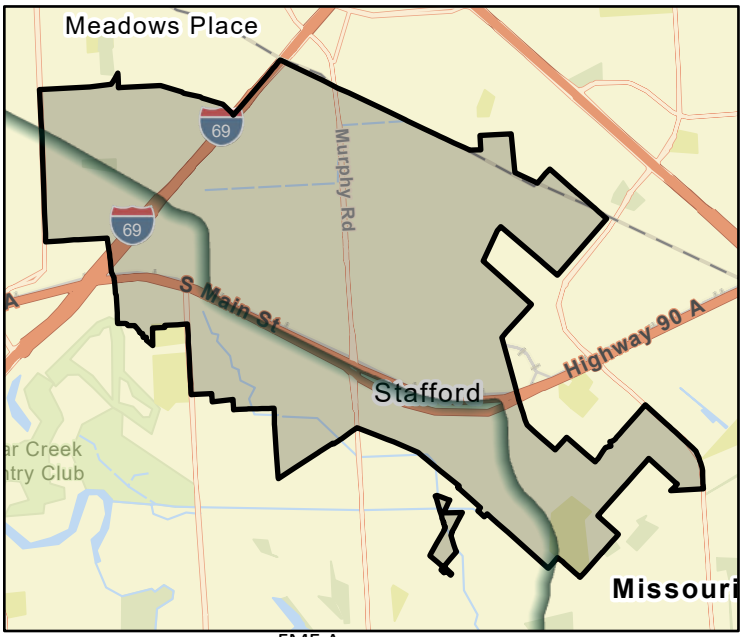
Historical road closures:

Estimated Cost and Funding Availability

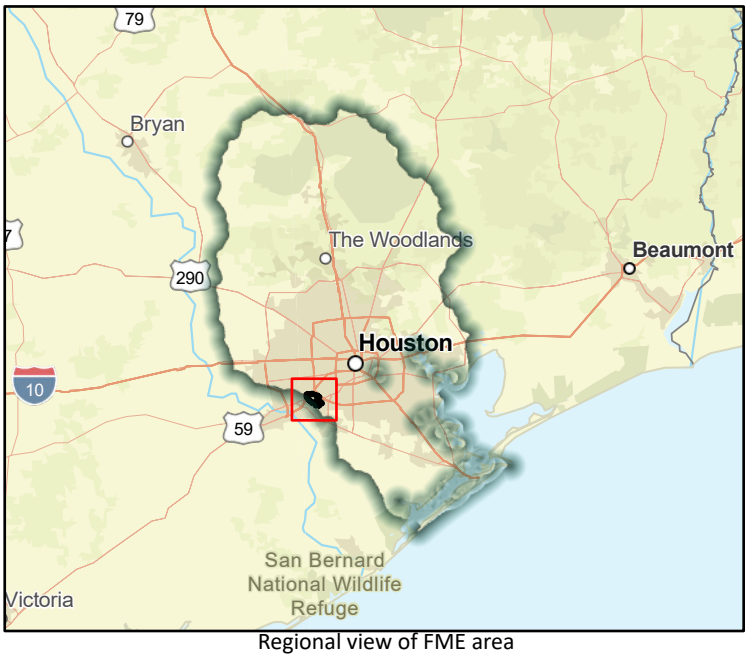
Total Cost: 300,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Cleveland Drainage Improvements

ID#: 061000167

Sponsor (name of entity, not person): 06002530

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of proposed city of cleveland drainage improvements.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Liberty,Montgomery,San Jacinto

Watershed HUC# (if known): 06000056,06000053,06000054,06000058,06000057,06000069

Drainage area (Square miles, est.): 18.74

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,037

# of structures: 260

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 28.88

Roadway(s) impacted (length): 27.33

Number of low water crossings: 1

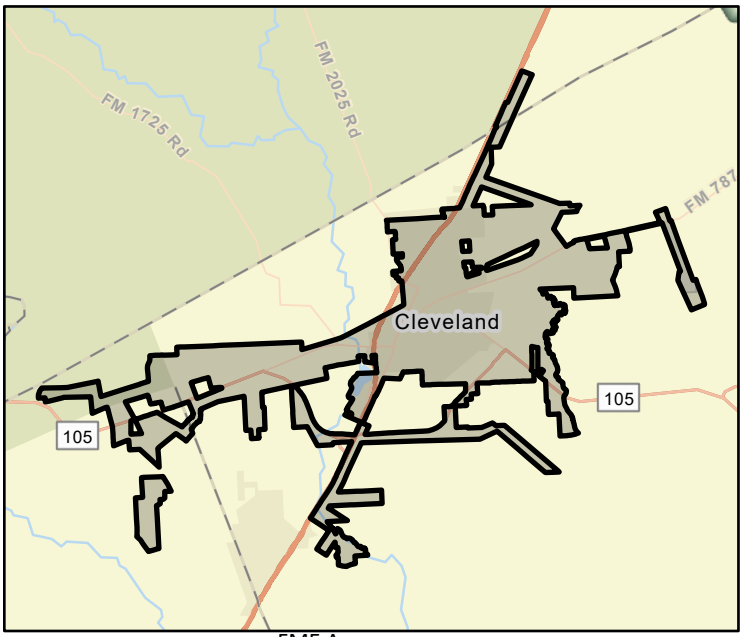
Historical road closures: 1

Estimated Cost and Funding Availability

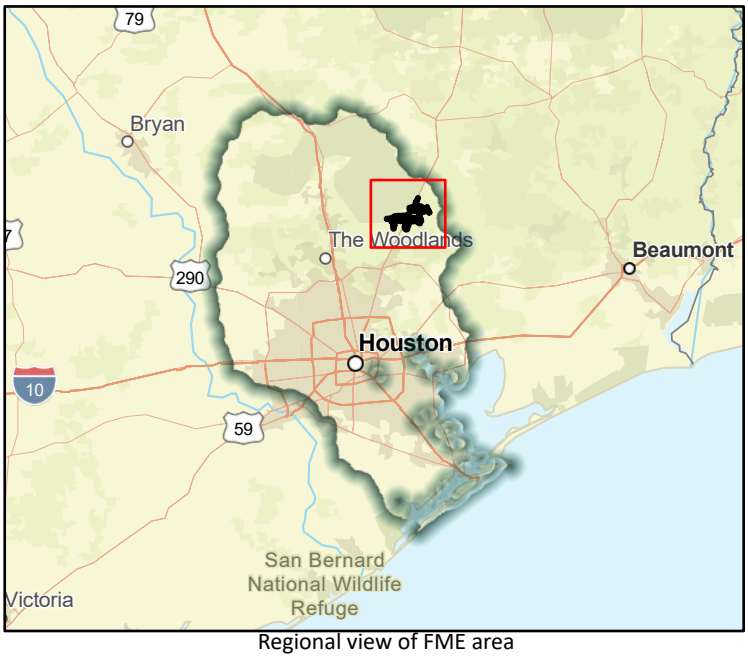
Total Cost: 410,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: San Jacinto Watershed and Tributary Barrier and Flood Mitigation - East County Project

ID#: 061000168

Sponsor (name of entity, not person): 06000037

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Planning, H&H studies, design, environmental review, and barrier removal for the 98.6 miles of the San Jacinto Watershed and Tributary Barrier and Flood Mitigation-East County project area.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris,Liberty,Montgomery,San Jacinto

Watershed HUC# (if known): 06000070,06000069

Drainage area (Square miles, est.): 94.89

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 3,786

# of structures: 3,496

Critical facilities: 3

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 70.64

Roadway(s) impacted (length): 101.80

Number of low water crossings: 1

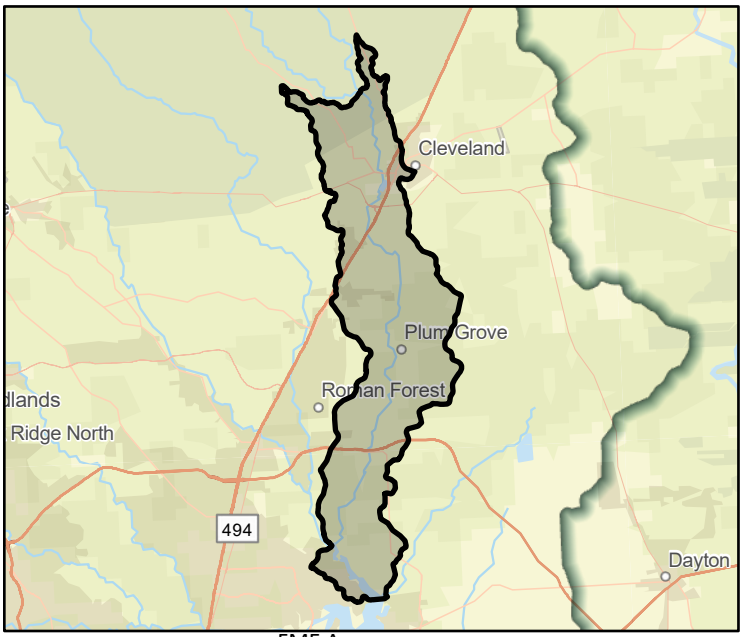
Historical road closures: 1

Estimated Cost and Funding Availability

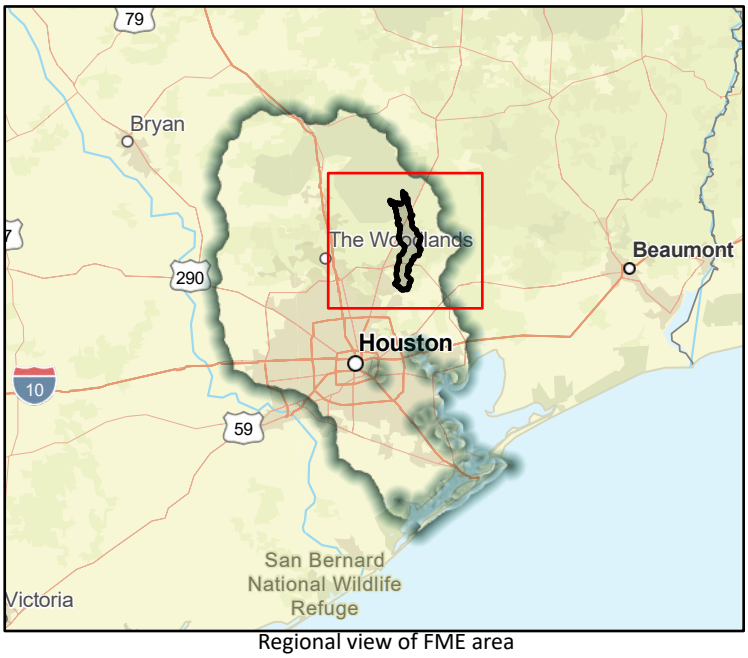
Total Cost: 1,160,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: San Jacinto Watershed and Tributary Barrier and Flood Mitigation - West County Project

ID#: 061000169

Sponsor (name of entity, not person): 06000037

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: H&H study, design, tributary barrier removal, and environmental assessments for the 96.2 miles of the San Jacinto Watershed and Tributary Barrier and Flood Mitigation-West County project area.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris,Montgomery

Watershed HUC# (if known): 06000020,06000021,06000023

Drainage area (Square miles, est.): 122.12

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 9,188

# of structures: 3,628

Critical facilities: 31

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 278.89

Roadway(s) impacted (length): 89.21

Number of low water crossings: 8

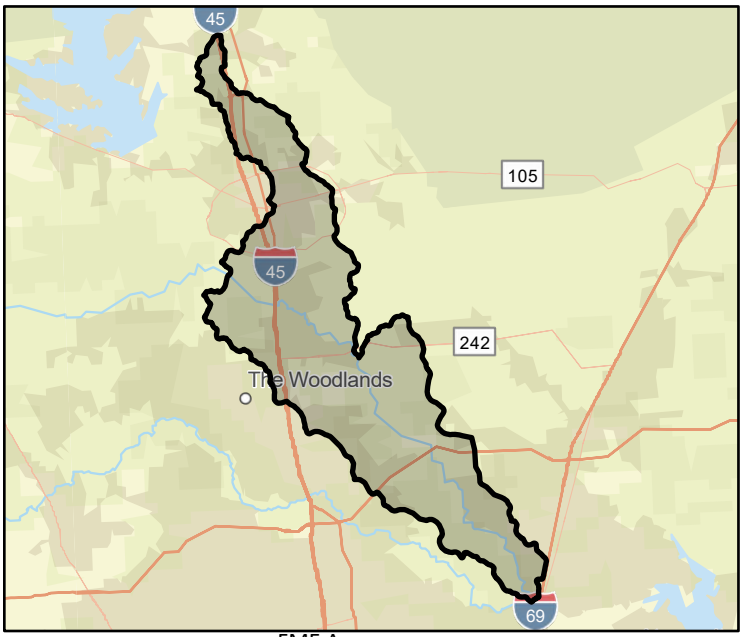
Historical road closures: 8

Estimated Cost and Funding Availability

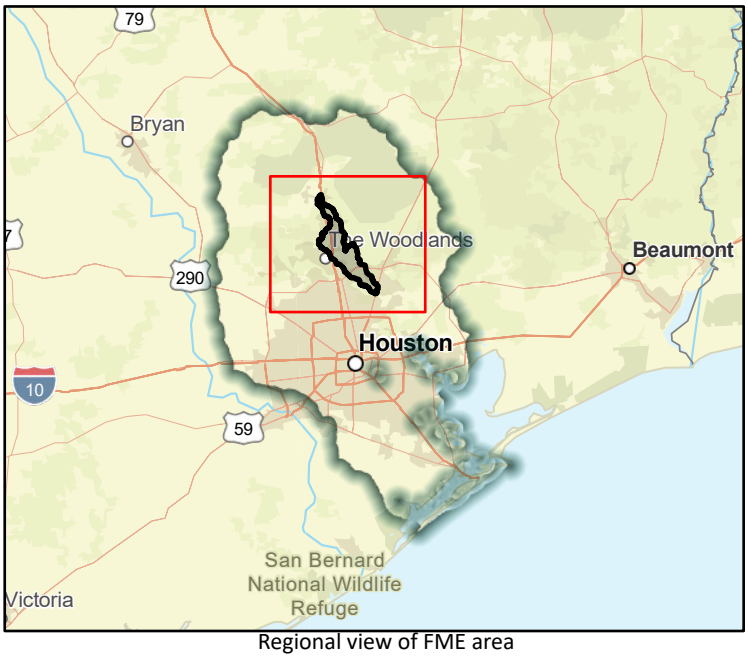
Total Cost: 1,110,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Spring Gully Watershed Planning Project Near-term Planning Project: PA03

ID#: 061000170

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Planning-level study needed: to identify a strategy in O200-00-00 near O207-01-00 to reduce flooding

New Hydrologic or Hydraulic model?: No

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000097,06000098,06000096,06000103,06000102,06000104

Drainage area (Square miles, est.): 34.83

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 5,995

# of structures: 1,882

Critical facilities: 64

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 73.13

Roadway(s) impacted (length): 32.83

Number of low water crossings: 1

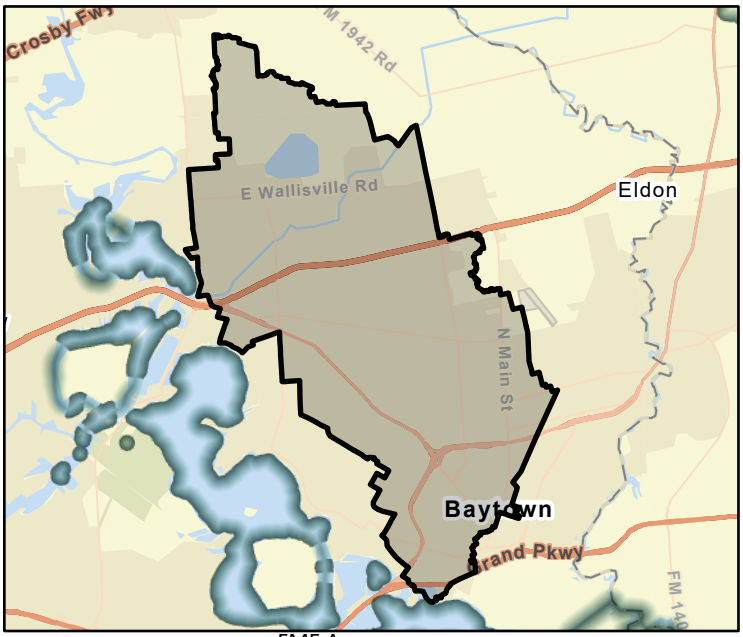
Historical road closures: 1

Estimated Cost and Funding Availability

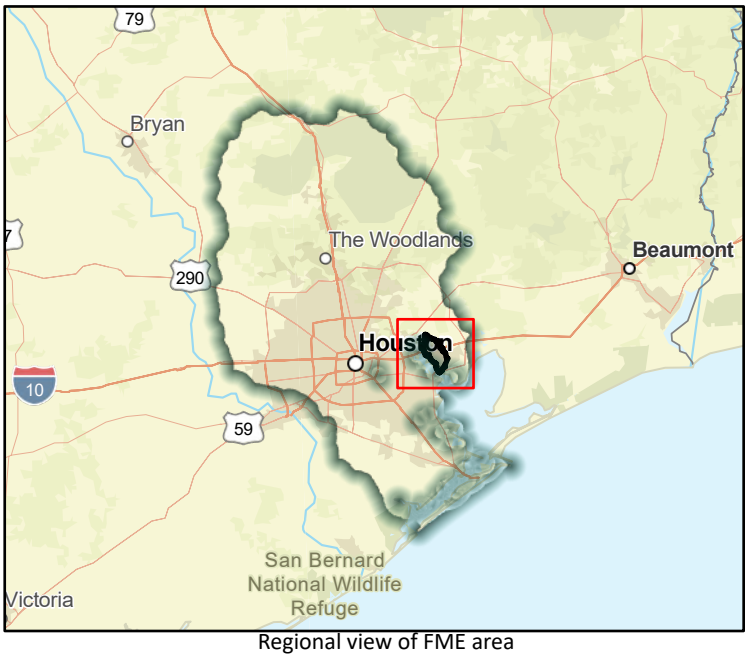
Total Cost: 600,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Spring Gully Watershed Planning Project Near-term Planning Project: PA04

ID#: 061000171

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Planning-level study needed: to lower WSEL in O203-00-00 to around 29 feet MSL. Most benefit when O203-00-00 channel modifications are combined with Thompson Road Storm drainage system improvements

New Hydrologic or Hydraulic model?: No

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000097,06000098,06000096,06000103,06000102,06000104

Drainage area (Square miles, est.): 34.83

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 5,995

# of structures: 1,882

Critical facilities: 64

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 73.13

Roadway(s) impacted (length): 32.83

Number of low water crossings: 1

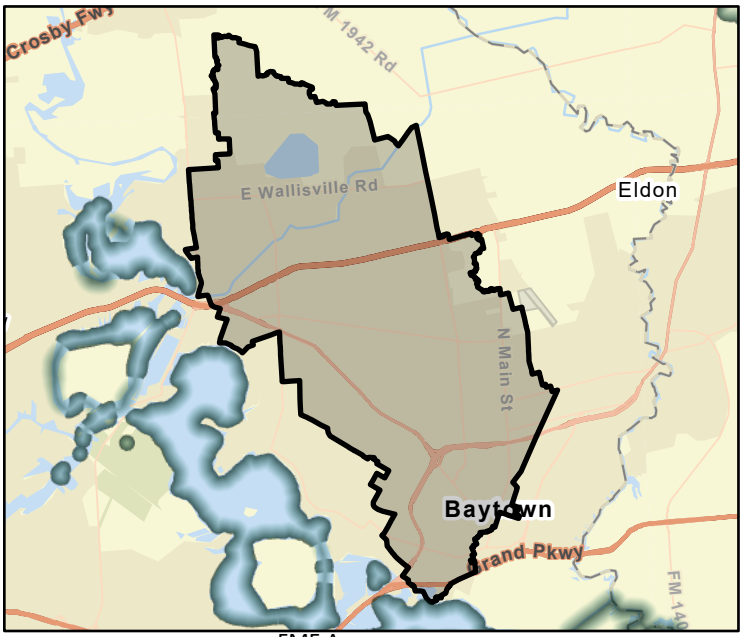
Historical road closures: 1

Estimated Cost and Funding Availability

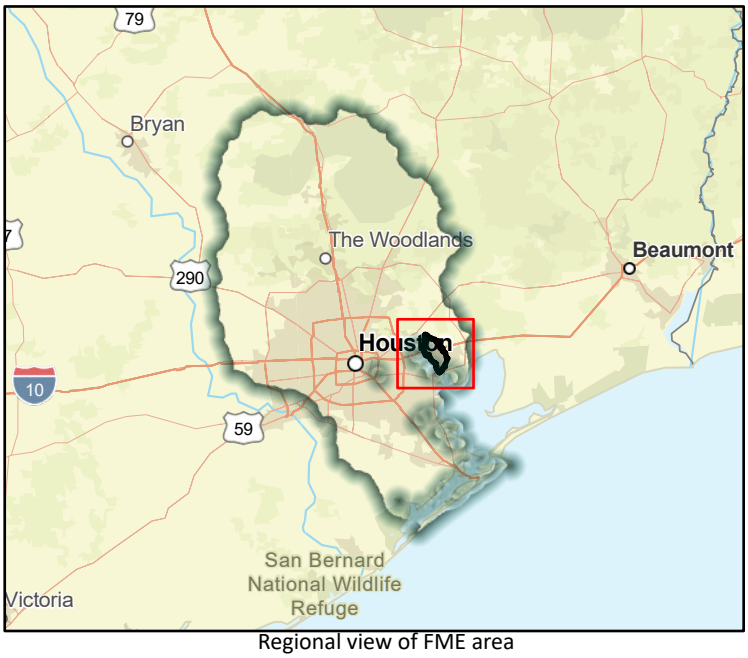
Total Cost: 210,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Spring Gully Watershed Planning Project Near-term Planning Project: PA05

ID#: 061000172

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Planning-level study needed: a stormwater detention basin near confluence of O207-00-00 and O207-01-00 required to lower WSEL

New Hydrologic or Hydraulic model?: No

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000097,06000098,06000096,06000103,06000102,06000104

Drainage area (Square miles, est.): 34.83

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 5,995

# of structures: 1,882

Critical facilities: 64

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 73.13

Roadway(s) impacted (length): 32.83

Number of low water crossings: 1

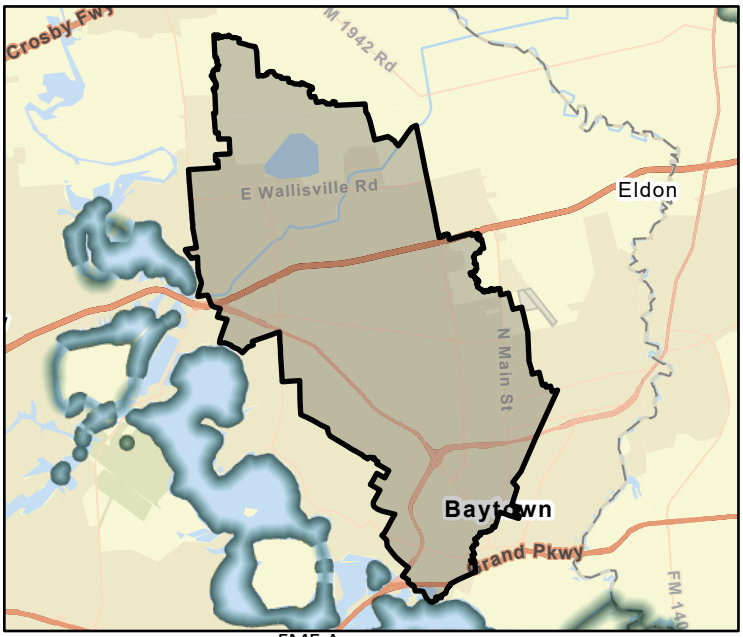
Historical road closures: 1

Estimated Cost and Funding Availability

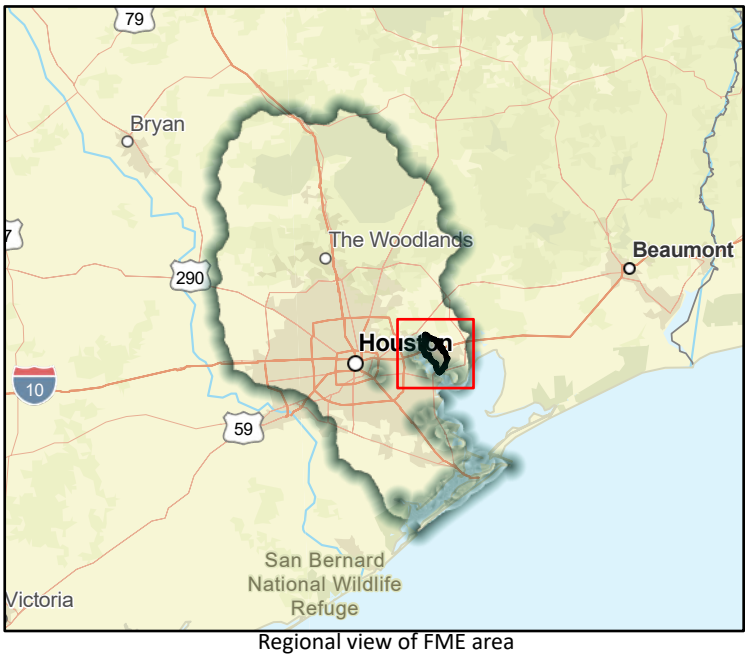
Total Cost: 250,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Update Liberty County FIRMs to Include Bench Marks

ID#: 061000173

Sponsor (name of entity, not person): 00000033

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Add bench marks to updated Flood Insurance Rate Maps.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Liberty

Watershed HUC# (if known): 06000056,06000053,06000054,06000060,06000070,06000058,0600005

Drainage area (Square miles, est.): 1,169.76

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 3,574

# of structures: 3,614

Critical facilities: 8

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1,379.48

Roadway(s) impacted (length): 144.17

Number of low water crossings: 7

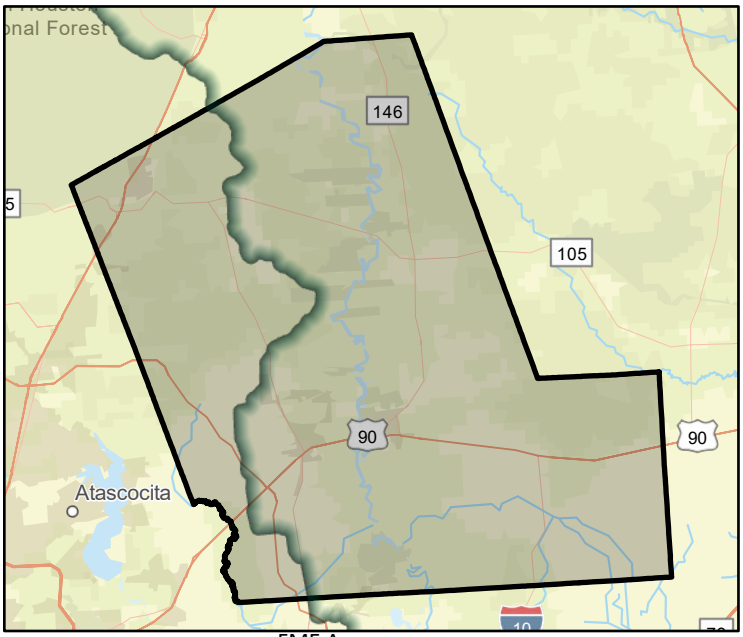
Historical road closures: 7

Estimated Cost and Funding Availability

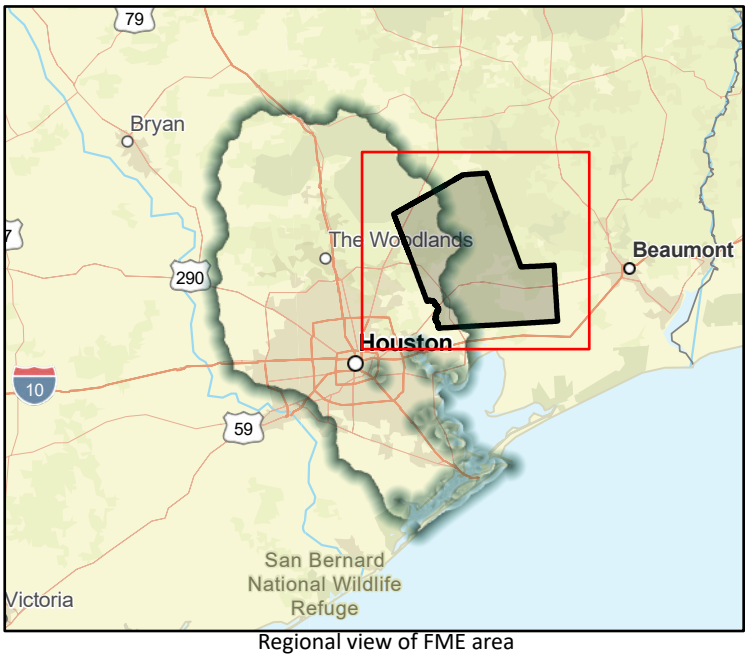
Total Cost: 50,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Carpenters Planning Study N110-00-00 Diversion to P103-00/P103-03

ID#: 061000174

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Feasibility study needed to evaluate a proposed interconnection from N110-00-00 to lower Greens Bayou

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000025,06000091,06000095,06000097,06000094,06000092,0600009

Drainage area (Square miles, est.): 31.03

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,731

# of structures: 812

Critical facilities: 24

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 96.27

Roadway(s) impacted (length): 18.83

Number of low water crossings: 2

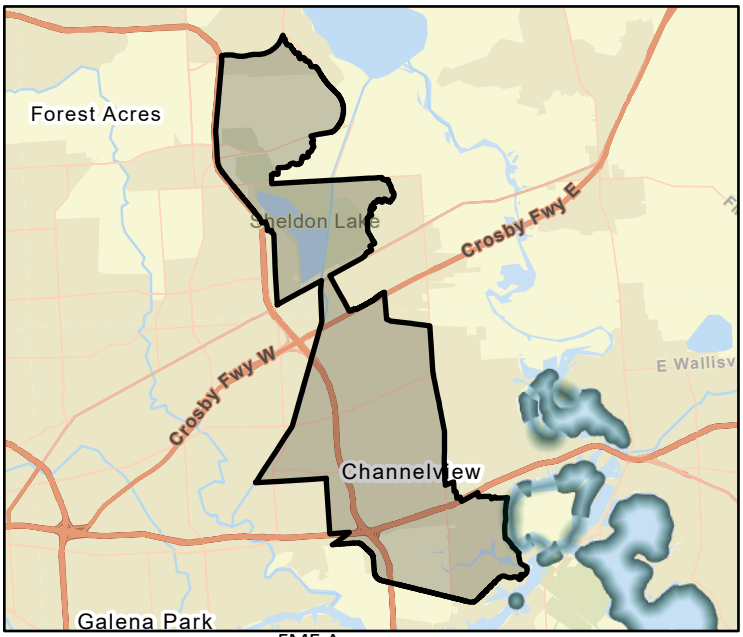
Historical road closures: 2

Estimated Cost and Funding Availability

Total Cost: 1,200,000.00

Amount of Available Funding:

Funding source:



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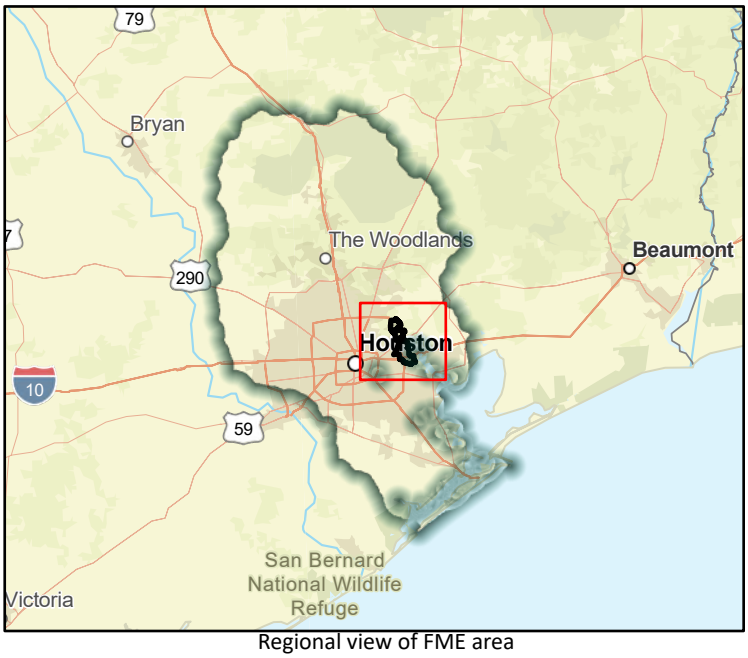


Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Solutions for Advancing Flood Mitigation, Equity, and Resilience

ID#: 061000175

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Feasibility study to identify regional flood management projects for broad-scale flood mitigation and potential Federal cost-sharing. The study will also explore beneficial uses beyond flood mitigation, such as water supply.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000025,06000091,06000095,06000097,06000094,06000092,0600009

Drainage area (Square miles, est.): 1,770.82

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 590,942

# of structures: 143,547

Critical facilities: 2,132

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 5,993.47

Roadway(s) impacted (length): 2,407.74

Number of low water crossings: 89

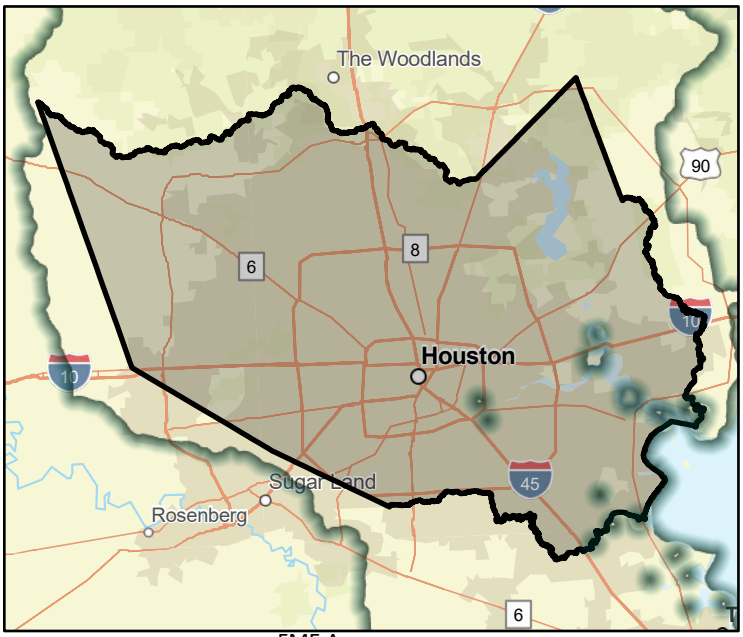
Historical road closures: 89

Estimated Cost and Funding Availability

Total Cost: 30,000,000.00

Amount of Available Funding:

Funding source:



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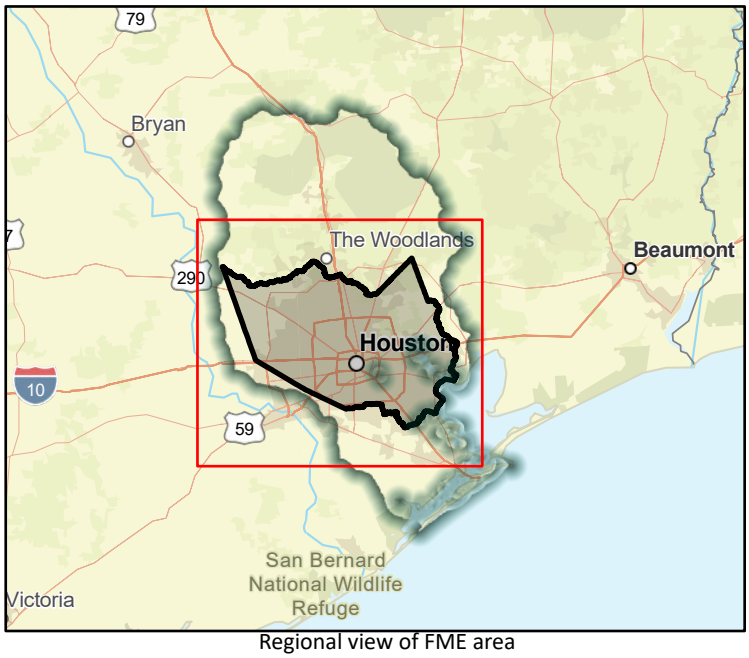


Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Lower Greens Bayou Watershed Study

ID#: 061000176

Sponsor (name of entity, not person): 00000310

RFPG recommend? Yes | Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Feasibility study to ID flood damage reduction measures to reduce the risk of flooding in the lower strech of Greens Bayou

New Hydrologic or Hydraulic model? Yes | Emergency Need? Yes | Existing/Anticipated models in near term? No

County: Harris | Watershed HUC# (if known): 06000025,06000024,06000031,06000032,06000091,06000095,0600008

Drainage area (Square miles, est.): 26.65 | Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 16,913 | # of structures: 5,926 | Critical facilities: 58

Flood risk type: Riverine? Yes | Coastal? No | Local? No | Playa? No | Other? No

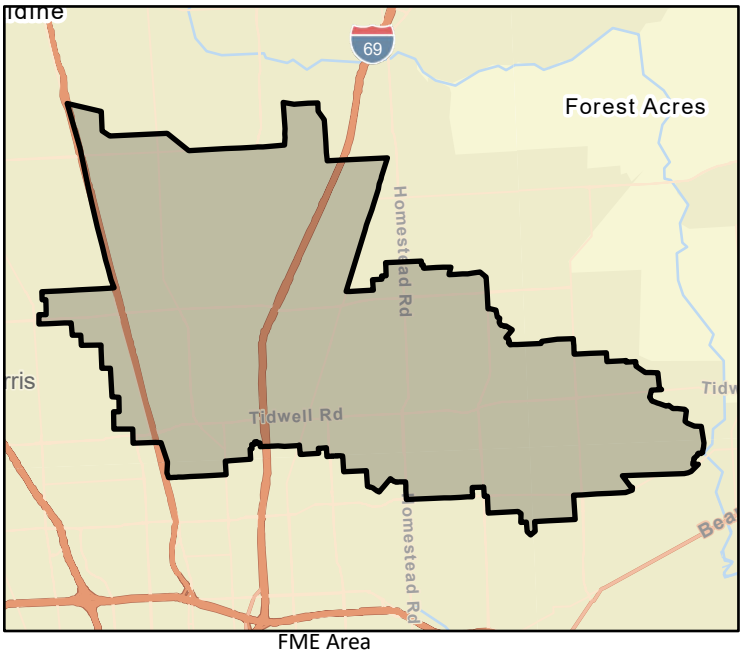
Farm/Ranch land impacted (acres): 2.36 | Roadway(s) impacted (length): 68.04

Number of low water crossings: 3 | Historical road closures: 3

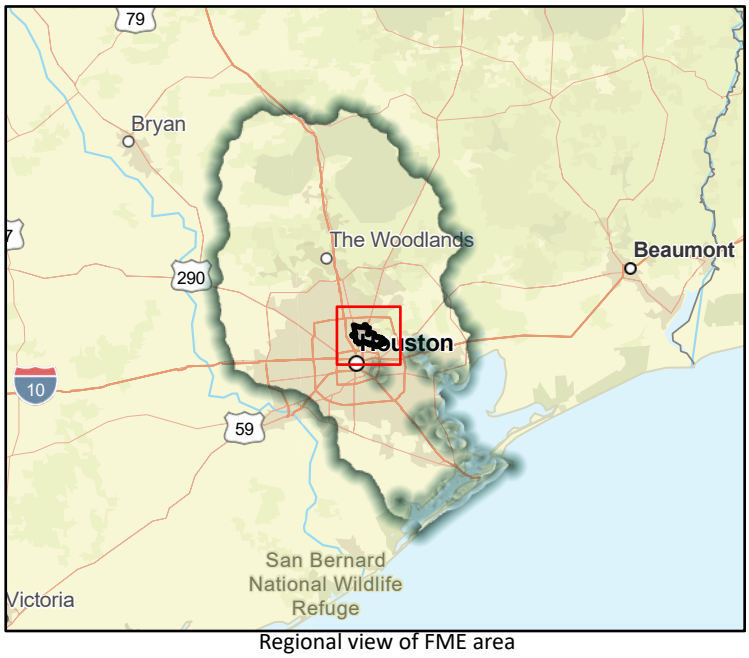
Estimated Cost and Funding Availability

Total Cost: 1,000,000.00 | Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Addicks Reservoir Watershed Study

ID#: 061000177

Sponsor (name of entity, not person): 00000310

RFPG recommend? Yes | Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project

New Hydrologic or Hydraulic model? Yes | Emergency Need? Yes | Existing/Anticipated models in near term? No

County: Harris,Waller | Watershed HUC# (if known): 06000028,06000072,06000076,06000074,06000075,06000079,0600007

Drainage area (Square miles, est.): 137.96 | Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 8,182 | # of structures: 3,746 | Critical facilities: 52

Flood risk type: Riverine? Yes | Coastal? No | Local? No | Playa? No | Other? No

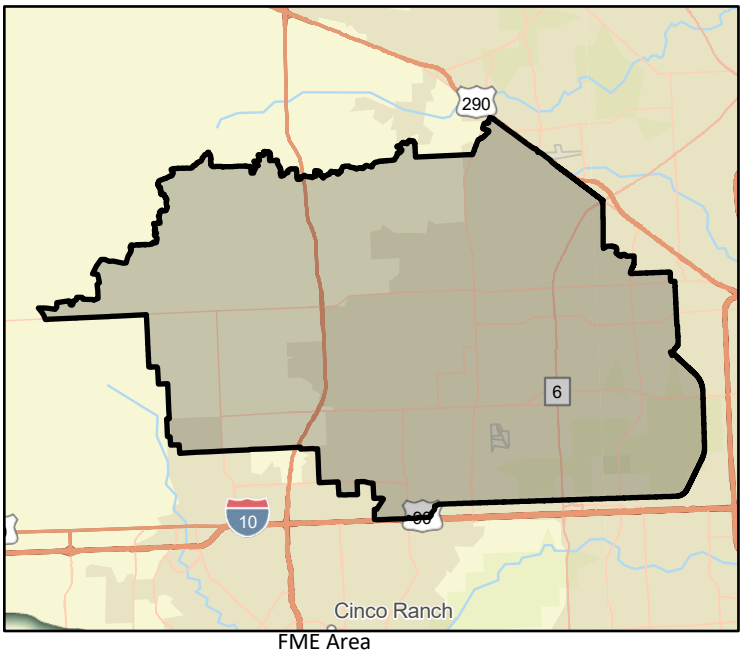
Farm/Ranch land impacted (acres): 1,607.18 | Roadway(s) impacted (length): 114.10

Number of low water crossings: 0 | Historical road closures: 0

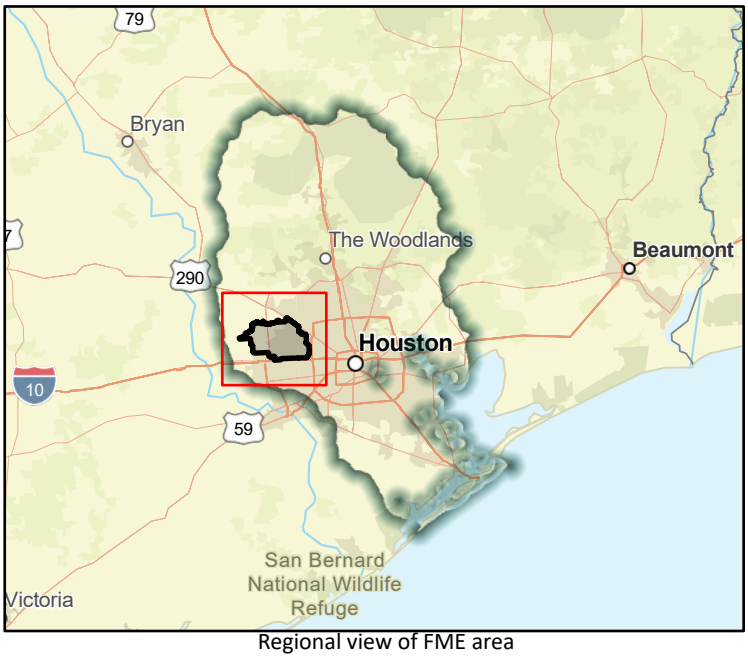
Estimated Cost and Funding Availability

Total Cost: 670,000.00 | Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Barker Reservoir Watershed Study

ID#: 061000178

Sponsor (name of entity, not person): 00000310

RFPG recommend? Yes | Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project

New Hydrologic or Hydraulic model? Yes | Emergency Need? Yes | Existing/Anticipated models in near term? No

County: Fort Bend,Harris,Waller | Watershed HUC# (if known): 06000028,06000072,06000073,06000074,06000071,06000077,0600008

Drainage area (Square miles, est.): 128.16 | Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 2,598 | # of structures: 1,051 | Critical facilities: 11

Flood risk type: Riverine? Yes | Coastal? No | Local? No | Playa? No | Other? No

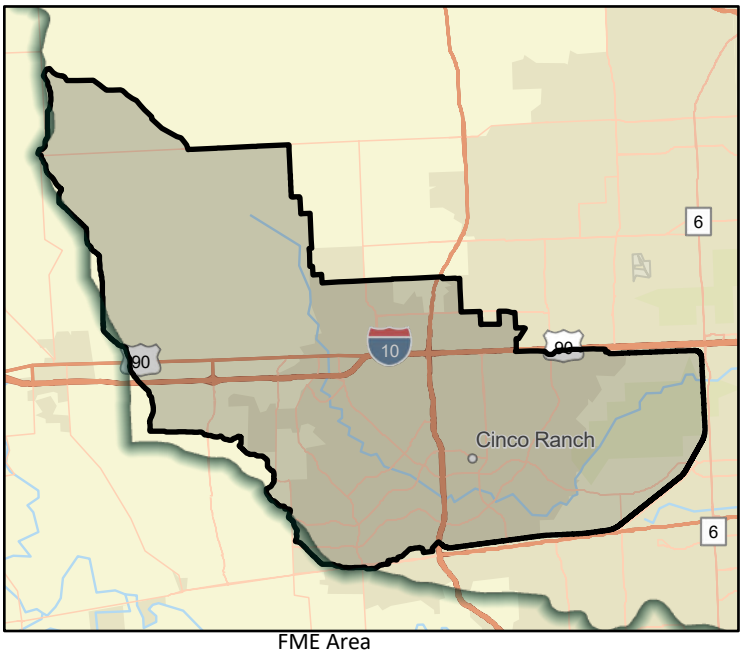
Farm/Ranch land impacted (acres): 753.01 | Roadway(s) impacted (length): 34.06

Number of low water crossings: 5 | Historical road closures: 5

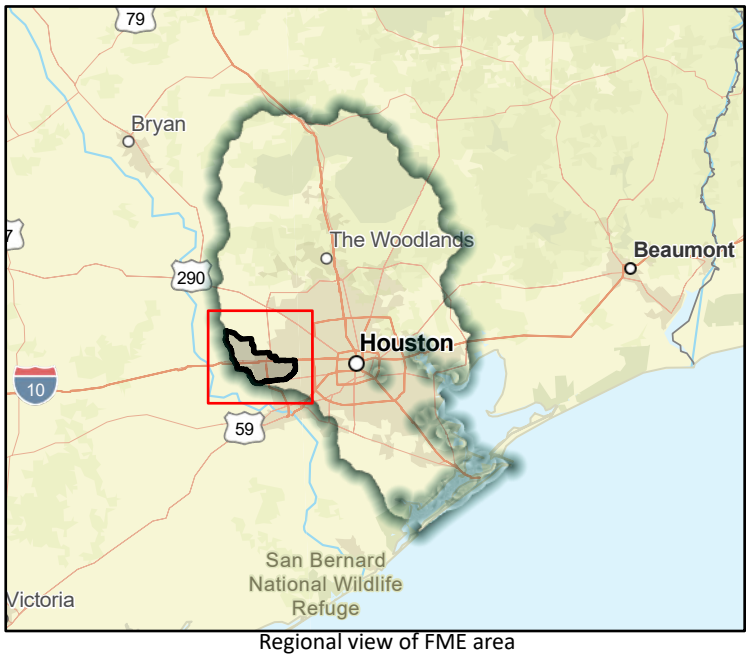
Estimated Cost and Funding Availability

Total Cost: 620,000.00 | Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Buffalo Bayou Watershed Study

ID#: 061000179

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Fort Bend,Harris

Watershed HUC# (if known): 06000095,06000084,06000074,06000082,06000079,06000077,0600008

Drainage area (Square miles, est.): 101.51

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 36,738

# of structures: 1,998

Critical facilities: 34

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 17.90

Roadway(s) impacted (length): 38.72

Number of low water crossings: 0

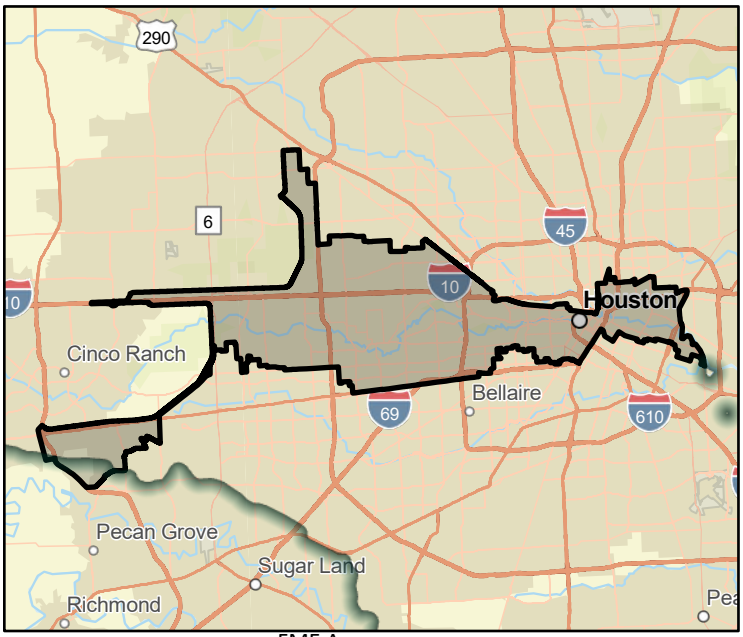
Historical road closures: 0

Estimated Cost and Funding Availability

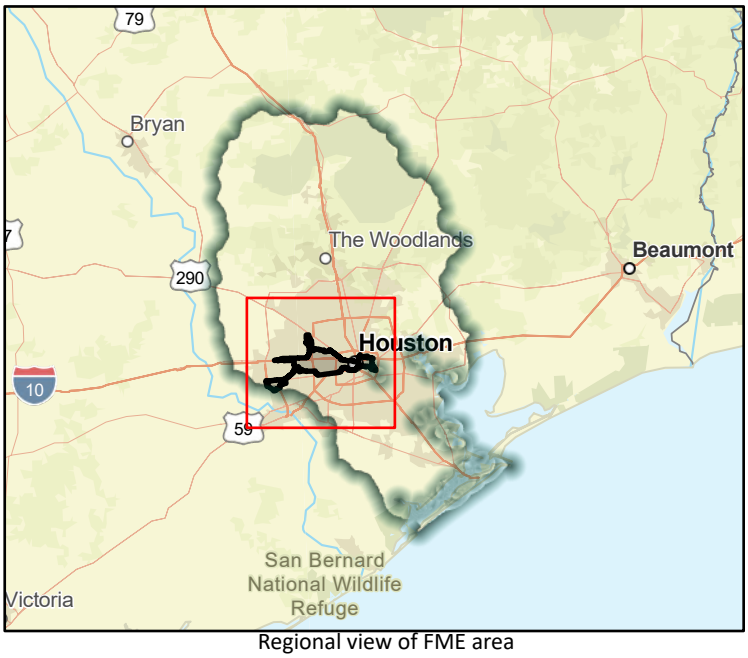
Total Cost: 500,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Brays Bayou Watershed Study

ID#: 061000180

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Fort Bend,Harris

Watershed HUC# (if known): 06000095,06000084,06000082,06000080,06000083,06000086

Drainage area (Square miles, est.): 128.21

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 216,118

# of structures: 40,914

Critical facilities: 545

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 45.19

Roadway(s) impacted (length): 537.14

Number of low water crossings: 2

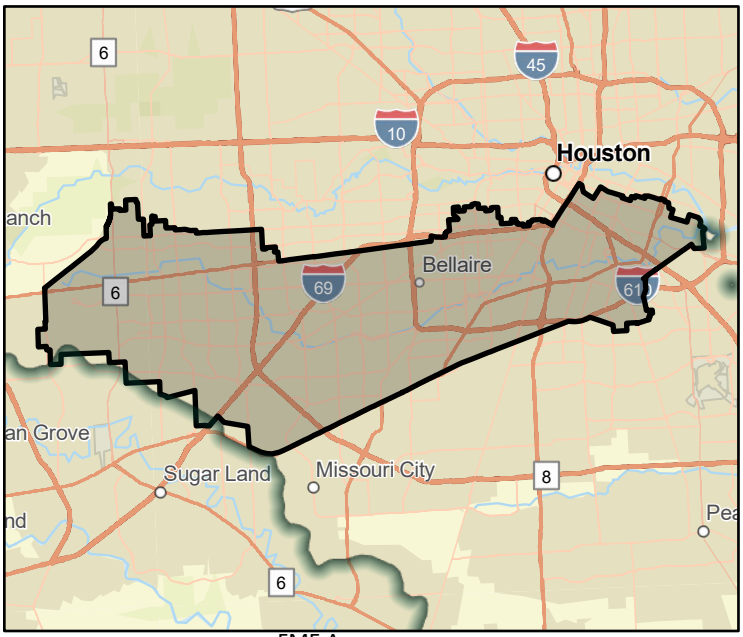
Historical road closures: 2

Estimated Cost and Funding Availability

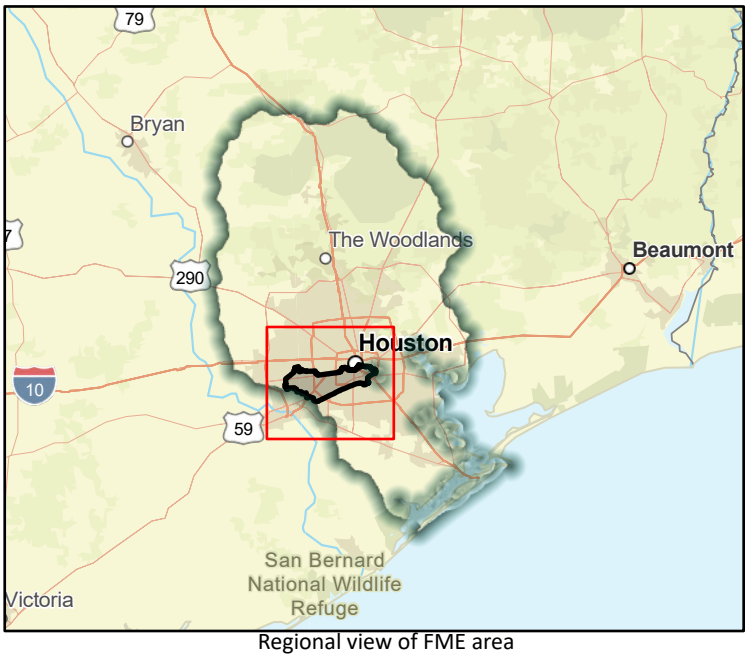
Total Cost: 620,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Cypress Creek Watershed Study

ID#: 061000181

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris,Waller

Watershed HUC# (if known): 06000027,06000028,06000029,06000031,06000026,06000030,0600003

Drainage area (Square miles, est.): 266.21

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 13,877

# of structures: 4,159

Critical facilities: 87

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1,659.60

Roadway(s) impacted (length): 109.48

Number of low water crossings: 18

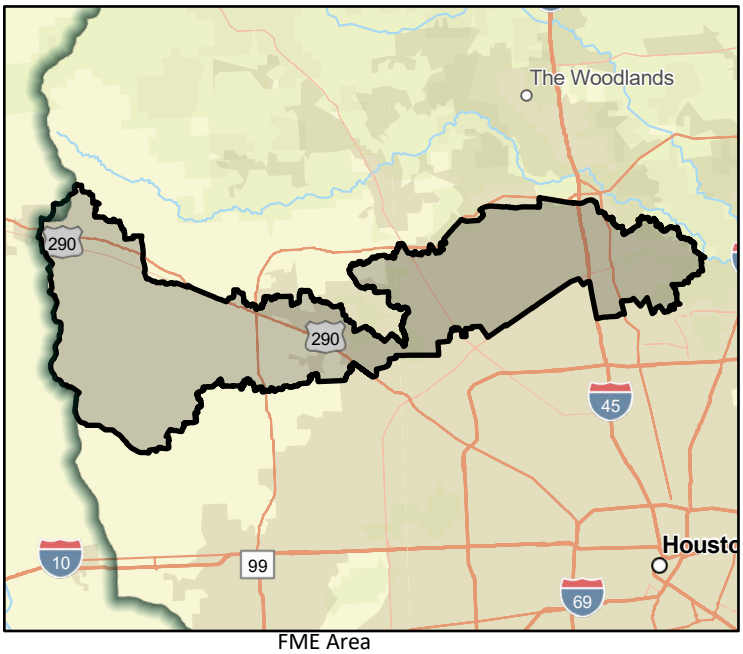
Historical road closures: 18

Estimated Cost and Funding Availability

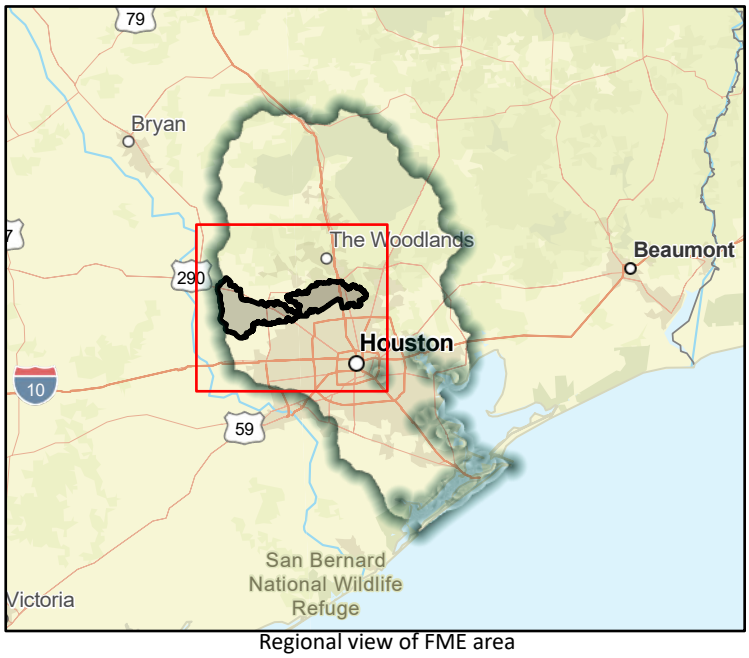
Total Cost: 1,230,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Hunting Bayou Watershed Study

ID#: 061000182

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000095,06000090,06000092,06000081,06000093

Drainage area (Square miles, est.): 30.87

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 24,003

# of structures: 6,241

Critical facilities: 93

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 21.14

Roadway(s) impacted (length): 101.52

Number of low water crossings: 6

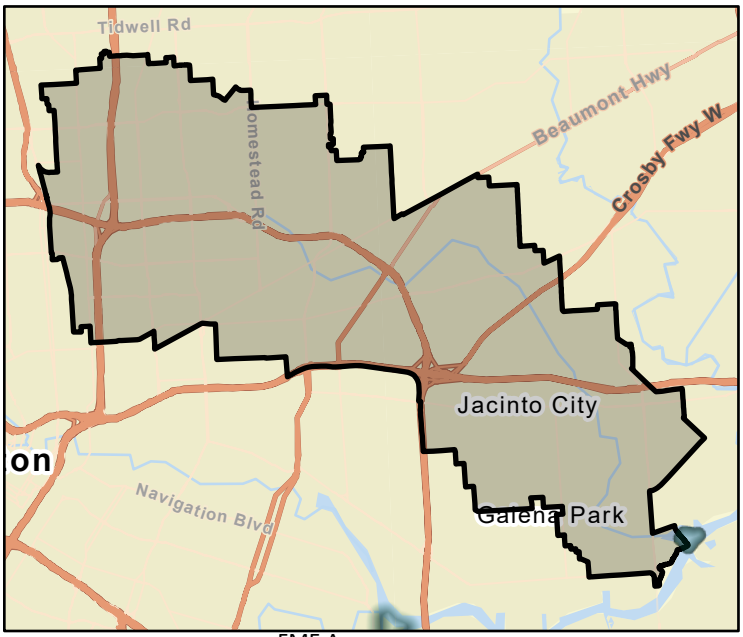
Historical road closures: 6

Estimated Cost and Funding Availability

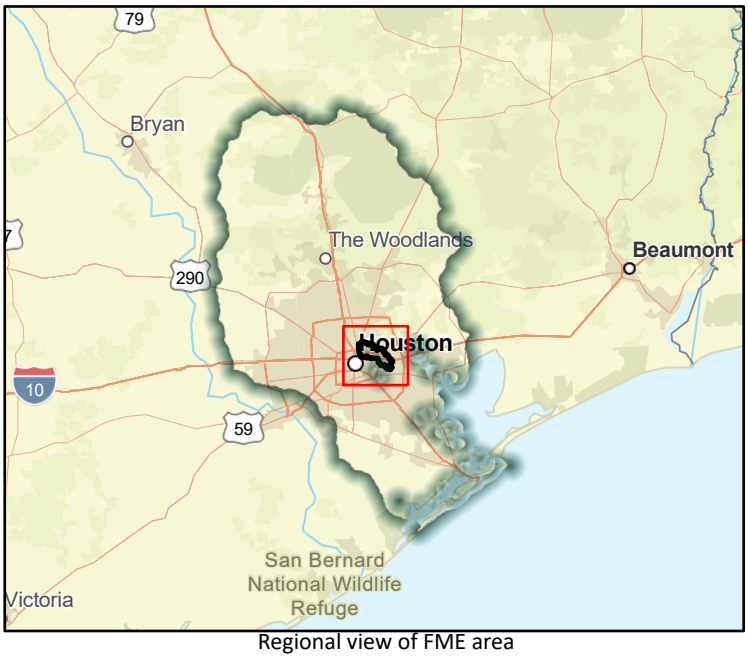
Total Cost: 500,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Sims Bayou Watershed Study

ID#: 061000183

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Fort Bend,Harris

Watershed HUC# (if known): 06000095,06000084,06000086,06000085,06000109,06000106

Drainage area (Square miles, est.): 93.21

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 22,203

# of structures: 5,854

Critical facilities: 73

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 50.52

Roadway(s) impacted (length): 102.98

Number of low water crossings: 10

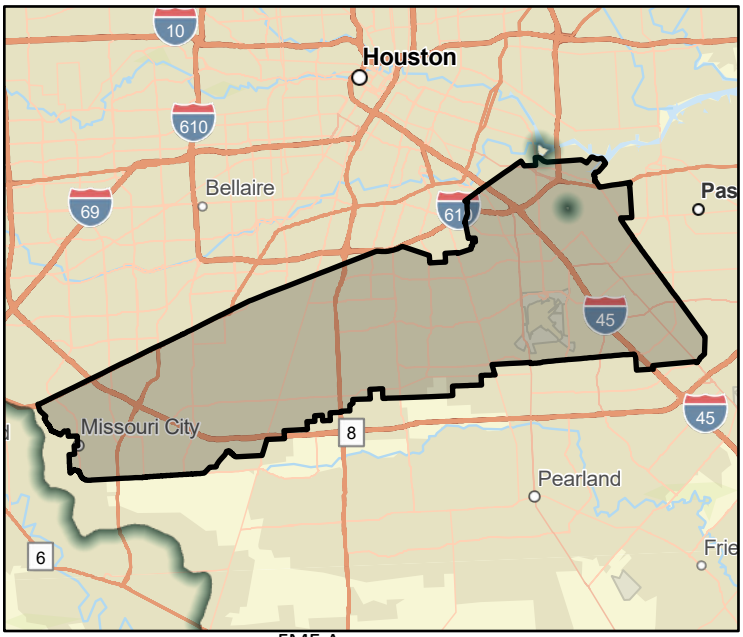
Historical road closures: 10

Estimated Cost and Funding Availability

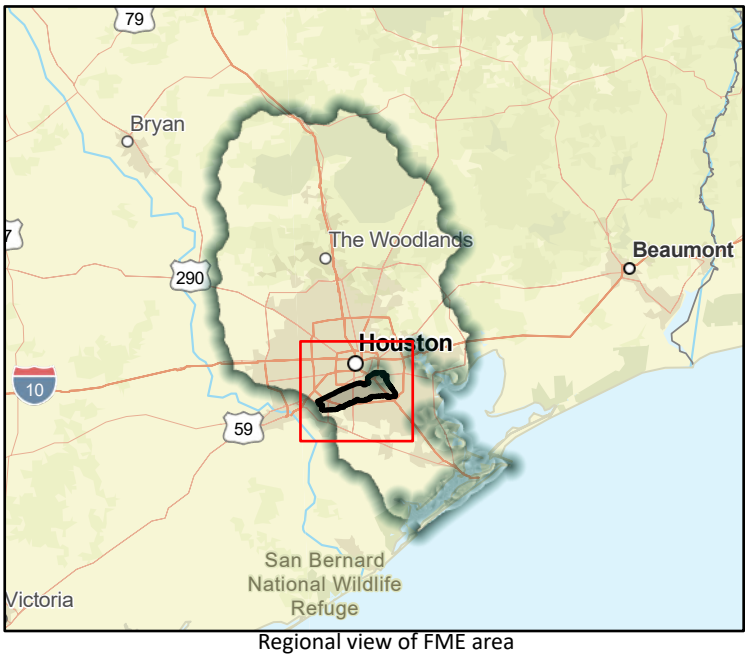
Total Cost: 470,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: White Oak Bayou Watershed Study

ID#: 061000184

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000029,06000031,06000087,06000082,06000079,06000090,0600008

Drainage area (Square miles, est.): 110.70

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 85,064

# of structures: 17,090

Critical facilities: 145

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 28.37

Roadway(s) impacted (length): 280.87

Number of low water crossings: 4

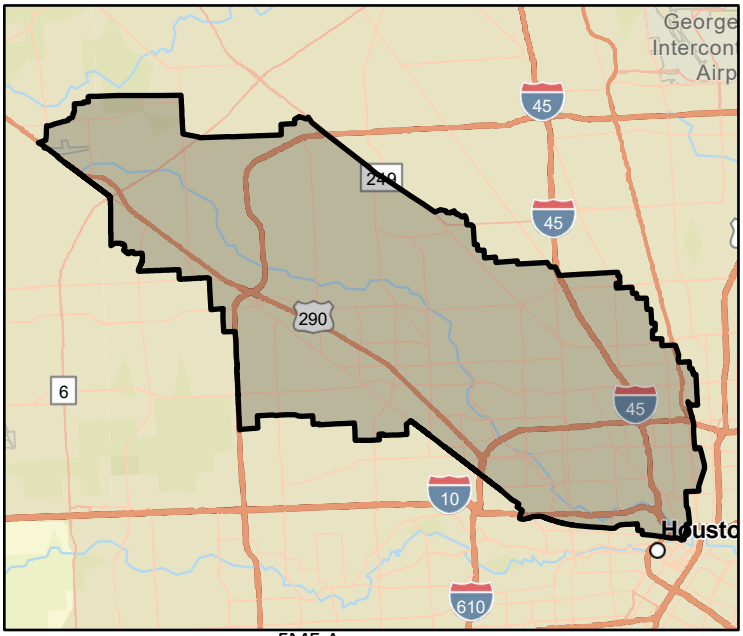
Historical road closures: 4

Estimated Cost and Funding Availability

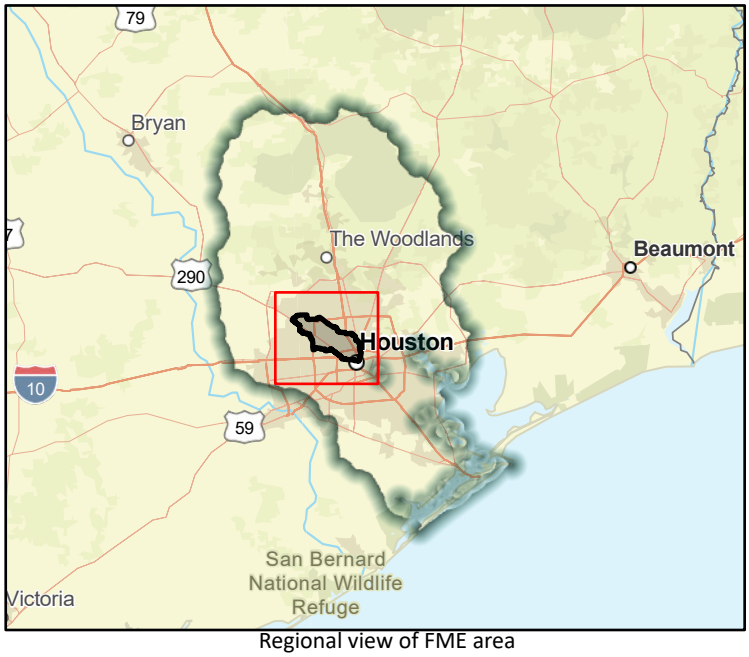
Total Cost: 800,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Upper Greens Bayou Watershed Study

ID#: 061000185

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000025,06000024,06000031,06000032,06000091,06000095,0600008

Drainage area (Square miles, est.): 201.48

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 94,337

# of structures: 24,220

Critical facilities: 287

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 161.01

Roadway(s) impacted (length): 320.20

Number of low water crossings: 17

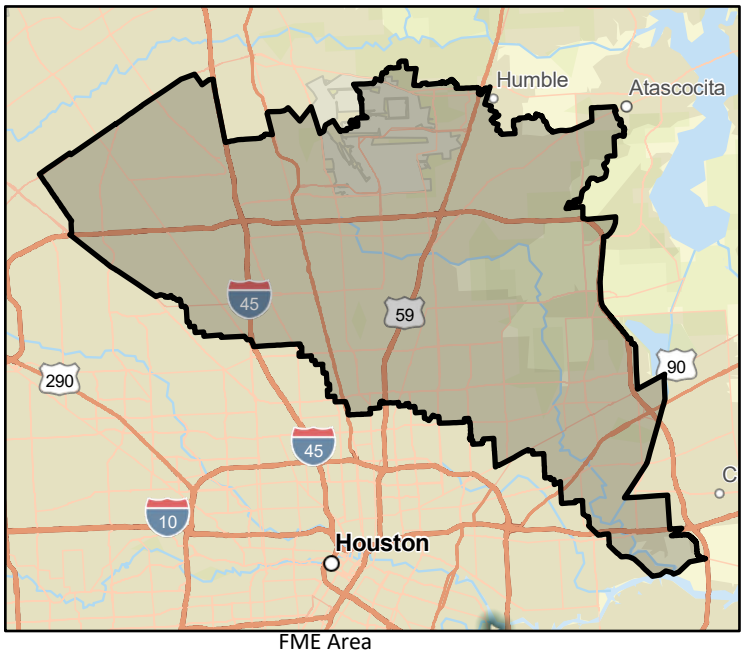
Historical road closures: 17

Estimated Cost and Funding Availability

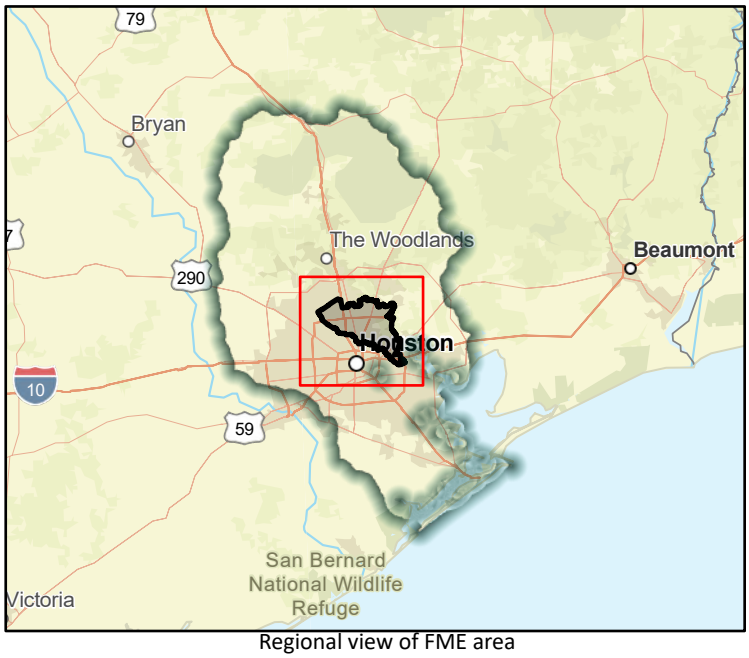
Total Cost: 980,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Brays Bayou - Poor Farm Ditch

ID#: 061000186

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a BCR and elevate project to a FMP. Further study of channel improvements from partnership project to restore channel conveyance, evaluated including Atlas 14 rainfall

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000084

Drainage area (Square miles, est.): 3.34

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 15,766

# of structures: 3,291

Critical facilities: 33

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.40

Roadway(s) impacted (length): 37.21

Number of low water crossings: 0

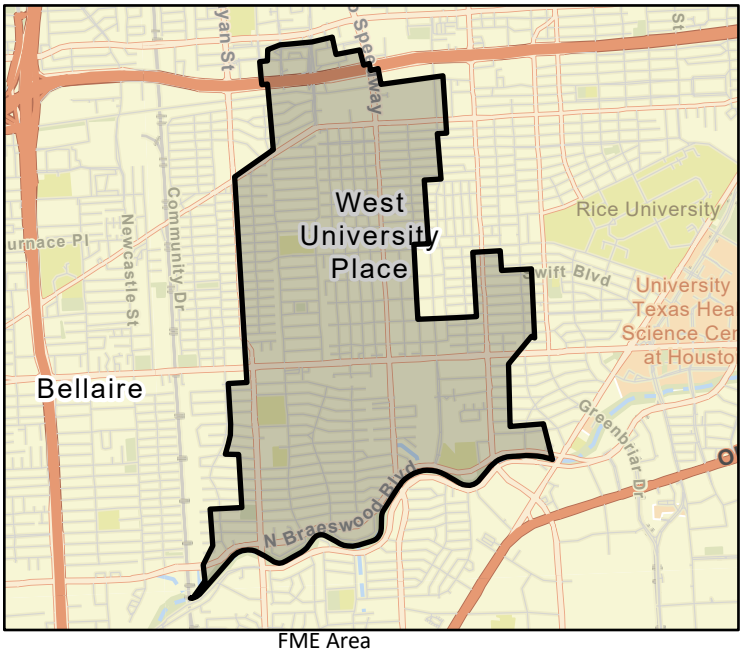
Historical road closures: 0

Estimated Cost and Funding Availability

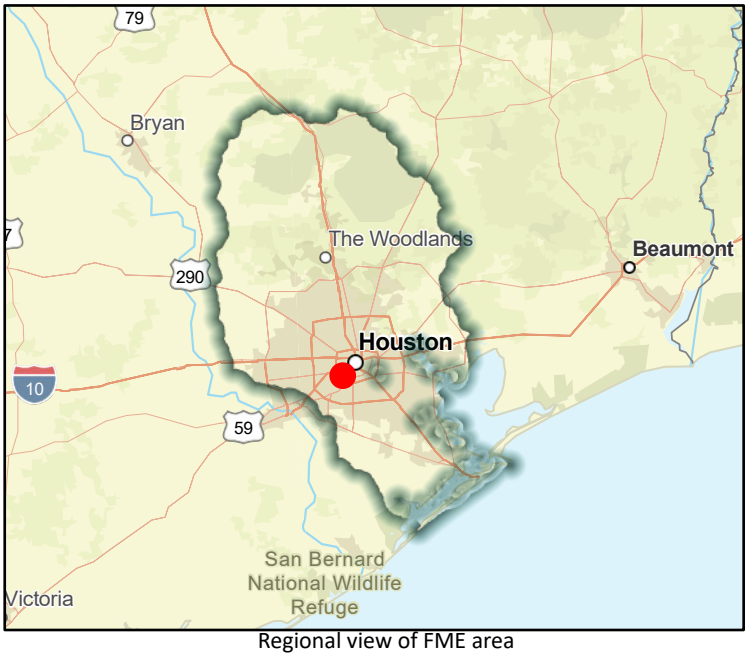
Total Cost: 690,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Brays Bayou Restore Channel Conveyance Capacity Along D115-00-00

ID#: 061000187

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of channel modifications from partnership project to restore channel conveyance, evaluated using Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000083

Drainage area (Square miles, est.): 6.32

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 22,839

# of structures: 5,574

Critical facilities: 71

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.98

Roadway(s) impacted (length): 59.07

Number of low water crossings: 0

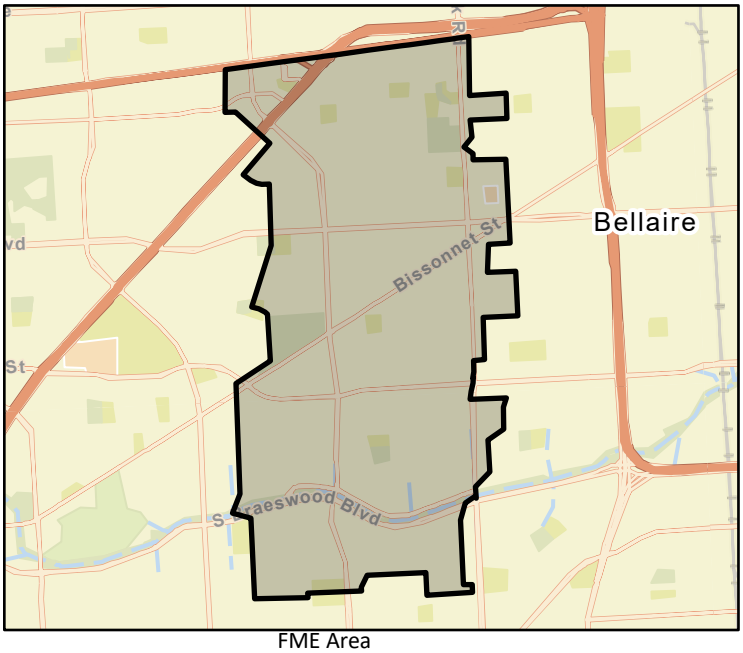
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 1,020,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Brays Bayou - Partnership Project with Fort Bend County on Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along

ID#: 061000188

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of channel improvements from partnership project to restore channel conveyanve including Atlas 14 rainfalls.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Fort Bend,Harris

Watershed HUC# (if known): 06000073,06000074,06000080,06000083

Drainage area (Square miles, est.): 34.14

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,348

# of structures: 326

Critical facilities: 1

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Farm/Ranch land impacted (acres): 217.61

Roadway(s) impacted (length): 19.77

Number of low water crossings: 0

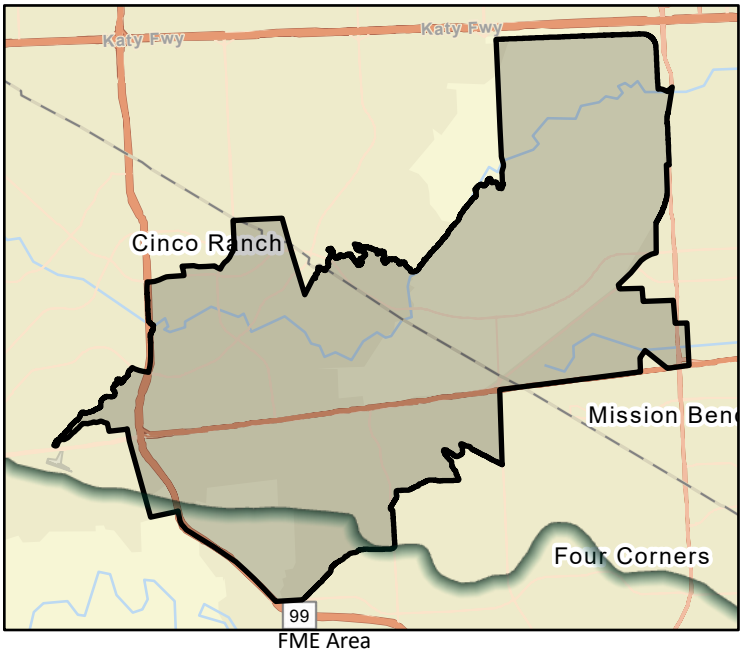
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 1,020,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Spring Creek - Construction of a Reservoir along Spring Creek

ID#: 061000191

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study for design and construction of a future flood control dam and reservoir in the Spring Creek watershed

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris,Waller,Montgomery,Grimes

Watershed HUC# (if known): 06000073,06000074,06000080,06000083

Drainage area (Square miles, est.): 384.39

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 17,055

# of structures: 4,185

Critical facilities: 44

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 231.65

Roadway(s) impacted (length): 106.13

Number of low water crossings: 27

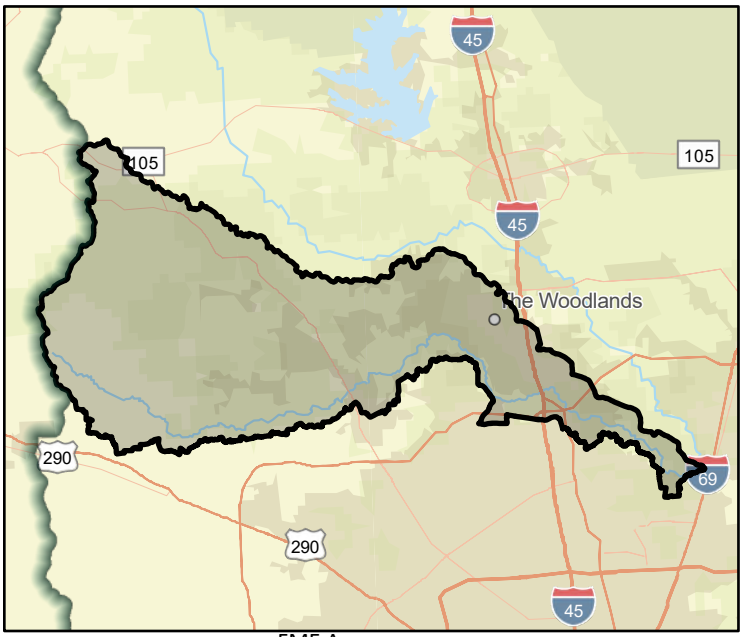
Historical road closures: 27

Estimated Cost and Funding Availability

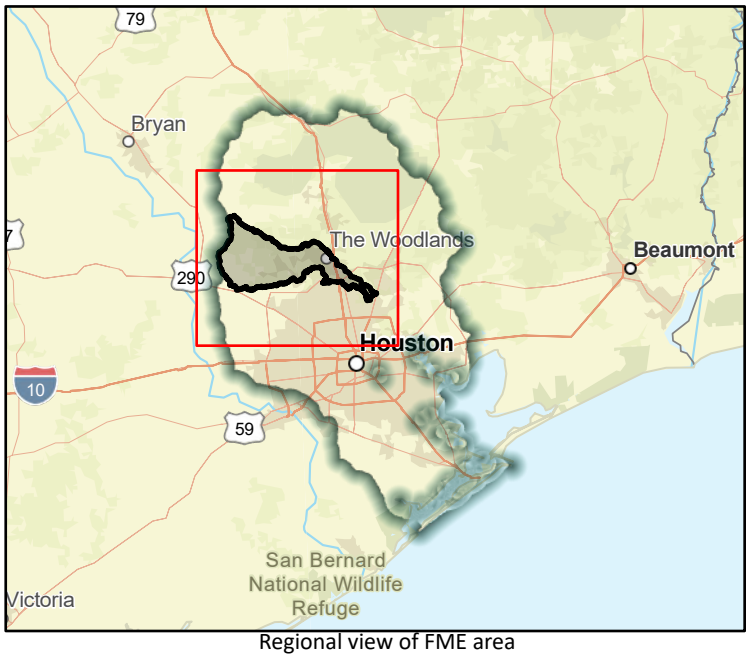
Total Cost: 870,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: White Oak Bayou - Turkey Gully E106-00-00

ID#: 061000194

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop BCA to become a FMP. Further study of channel modifications from partnership project to restore channel conveyance, evaluated using Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000081

Drainage area (Square miles, est.): 6.78

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 8,056

# of structures: 2,537

Critical facilities: 6

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 2.18

Roadway(s) impacted (length): 26.57

Number of low water crossings: 0

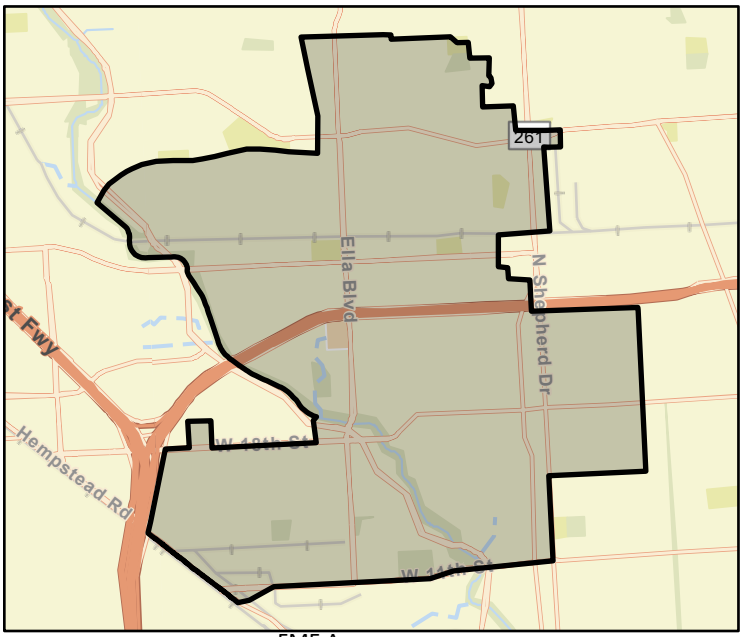
Historical road closures: 0

Estimated Cost and Funding Availability

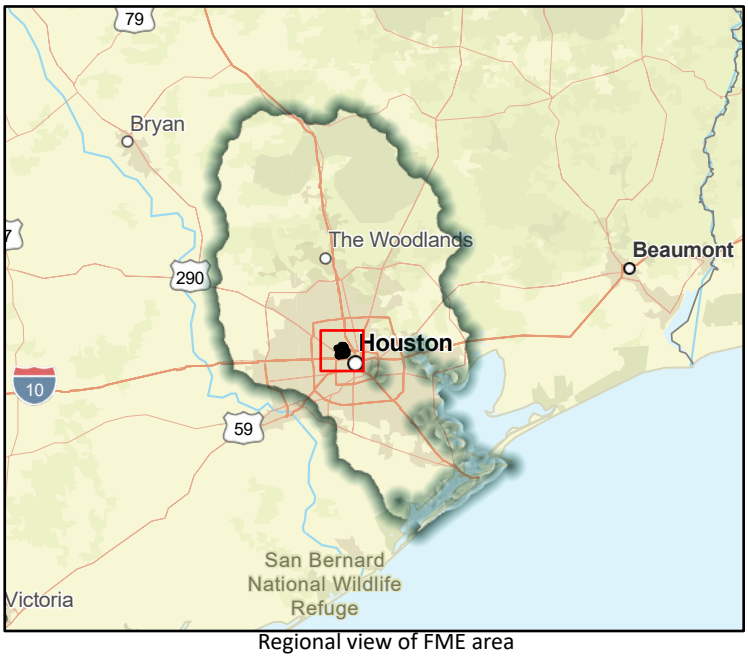
Total Cost: 1,330,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: White Oak Bayou - General Drainage Improvements along E105-00-00

ID#: 061000196

Sponsor (name of entity, not person): 00002853

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of channel improvements from partnership project to restore channel conveyanve including Atlas 14 rainfalls.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000081

Drainage area (Square miles, est.): 0.92

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 411

# of structures: 160

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.68

Roadway(s) impacted (length): 3.44

Number of low water crossings: 0

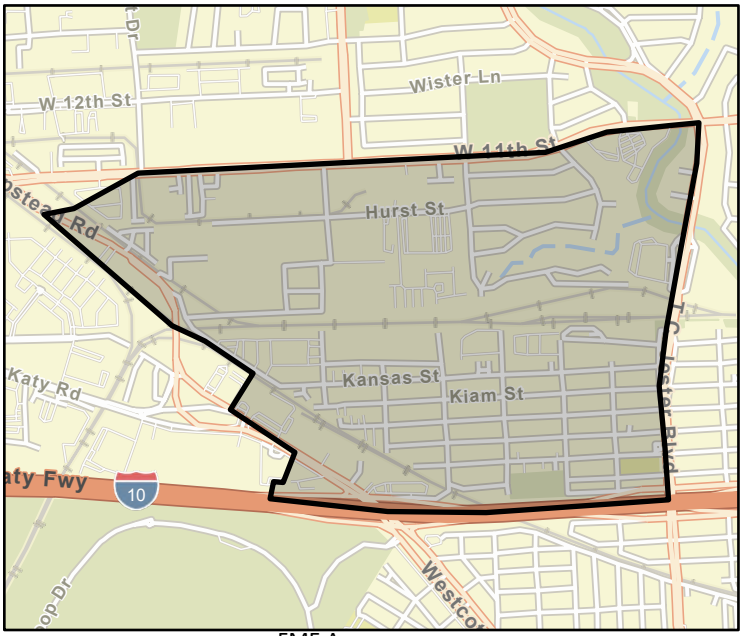
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 120,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Investigation of COH Properties for Conversion to Stormwater Det. Basins

ID#: 061000197

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study for design and construction of stormwater detention basins on various City of Houston properties that may reduce the risk of flooding in the area

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000029,06000031,06000087,06000082,06000079,06000090,0600008

Drainage area (Square miles, est.): 1,770.82

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 590,942

# of structures: 143,547

Critical facilities: 2,132

Flood risk type: Riverine? Yes | Coastal? No | Local? Yes | Playa? No | Other? No

Farm/Ranch land impacted (acres): 5,993.47

Roadway(s) impacted (length): 2,407.74

Number of low water crossings: 89

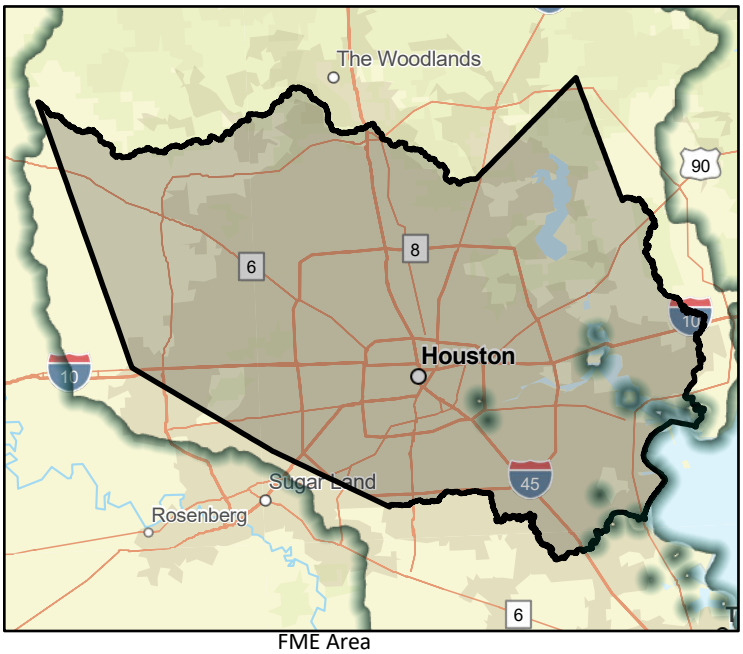
Historical road closures: 89

Estimated Cost and Funding Availability

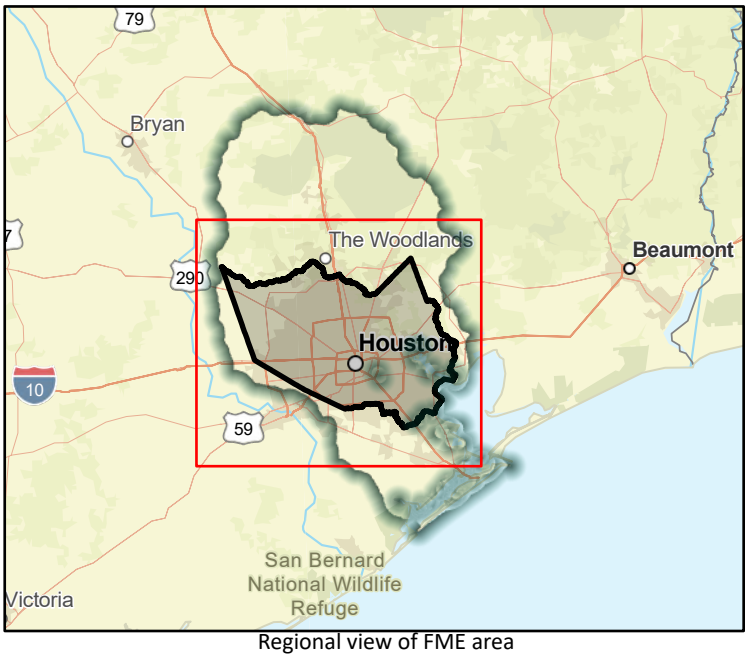
Total Cost: 500,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Little Cypress Creek - L109-00-00

ID#: 061000201

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Feasibility study of L109-00-00 to identify feasible flood risk reduction measures

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000029,06000030,06000042

Drainage area (Square miles, est.): 5.58

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 419

# of structures: 178

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 12.91

Roadway(s) impacted (length): 1.74

Number of low water crossings: 0

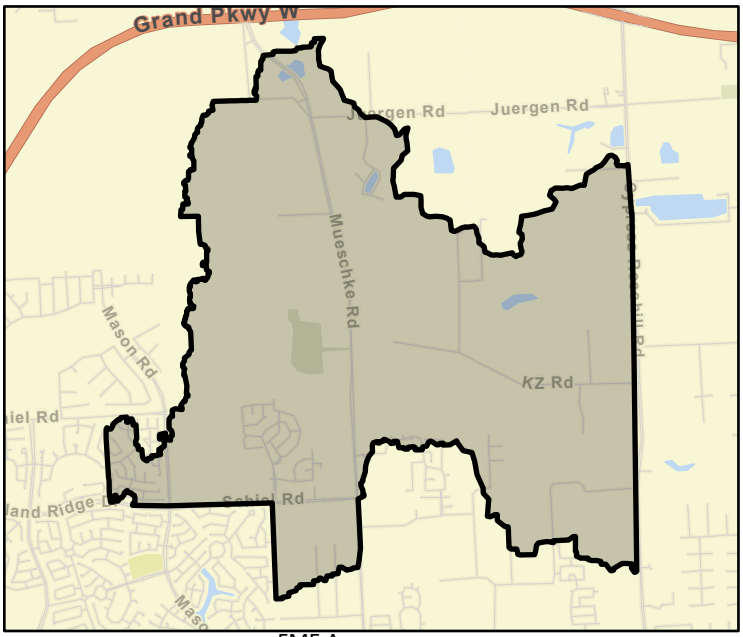
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 200,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Little Cypress Creek - L113-00-00

ID#: 061000202

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Feasibility study of L113-00-00 to identify feasible flood risk reduction measures

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000029,06000030,06000037

Drainage area (Square miles, est.): 14.96

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 471

# of structures: 182

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 7.98

Roadway(s) impacted (length): 3.91

Number of low water crossings: 3

Historical road closures: 3

Estimated Cost and Funding Availability

Total Cost: 300,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Little Cypress Creek - L103-00-00

ID#: 061000203

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Feasibility study of L103-00-00 to identify feasible flood risk reduction measures

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000029,06000031,06000030

Drainage area (Square miles, est.): 5.24

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 241

# of structures: 116

Critical facilities: 8

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 4.36

Roadway(s) impacted (length): 2.73

Number of low water crossings: 0

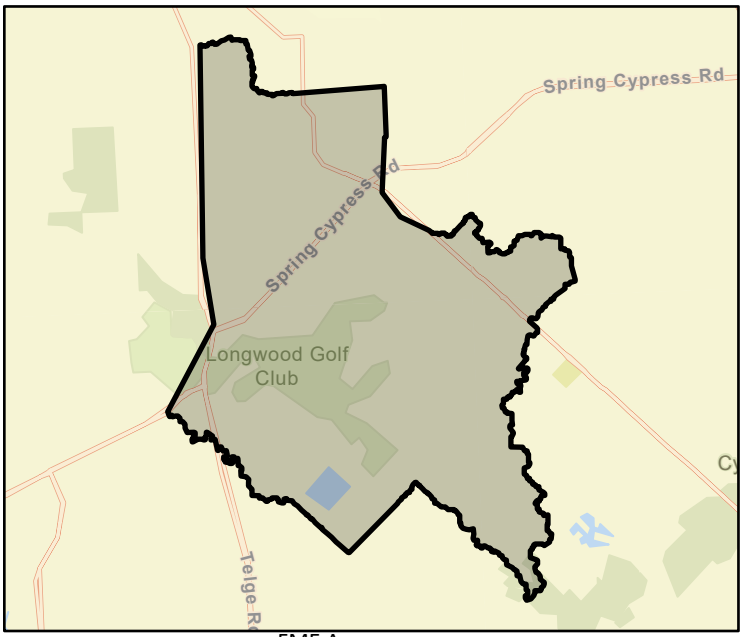
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 150,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Greens Bayou - P130-05-02

ID#: 061000204

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Feasibility study of P130-05-02 to identify feasible flood risk reduction measures

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000088

Drainage area (Square miles, est.): 0.13

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 177

# of structures: 124

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 1.72

Number of low water crossings:

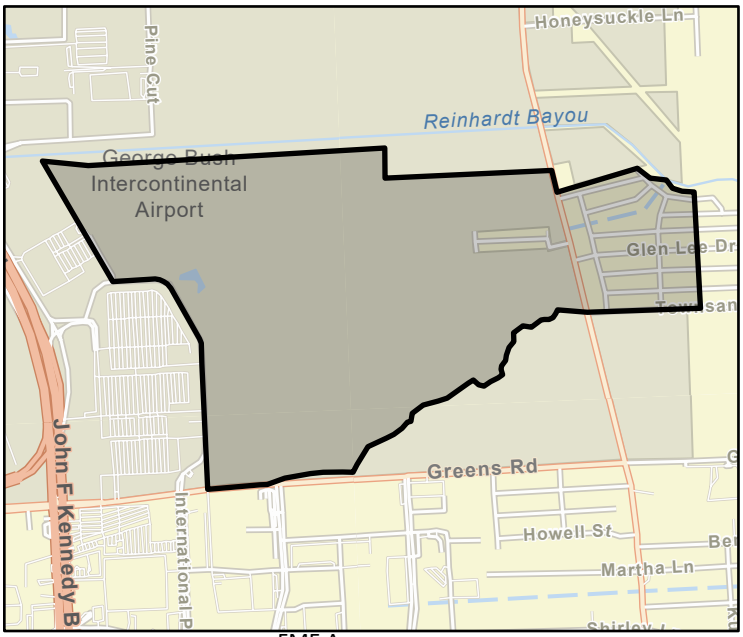
Historical road closures:

Estimated Cost and Funding Availability

Total Cost: 150,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Greens Bayou - P142-00-00

ID#: 061000205

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Feasibility study of P142-00-00 to identify feasible flood risk reduction measures

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000089

Drainage area (Square miles, est.): 1.63

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 3,381

# of structures: 997

Critical facilities: 7

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1.49

Roadway(s) impacted (length): 23.49

Number of low water crossings: 0

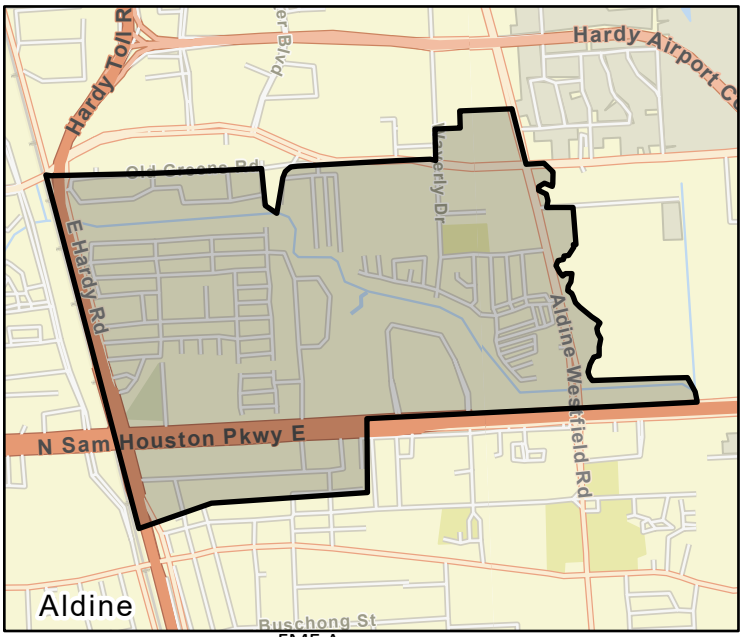
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 250,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: San Jacinto River - G103-46-00

ID#: 061000207

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Feasibility study of G103-46-00 to identify feasible flood risk reduction measures

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris,Montgomery

Watershed HUC# (if known): 06000024

Drainage area (Square miles, est.): 58.51

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 6,868

# of structures: 1,711

Critical facilities: 29

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 72.23

Roadway(s) impacted (length): 41.85

Number of low water crossings: 0

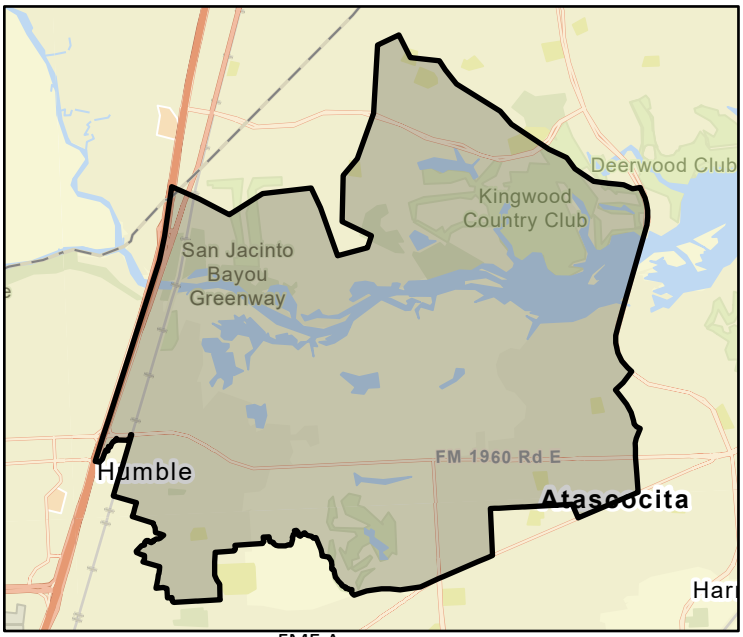
Historical road closures: 0

Estimated Cost and Funding Availability

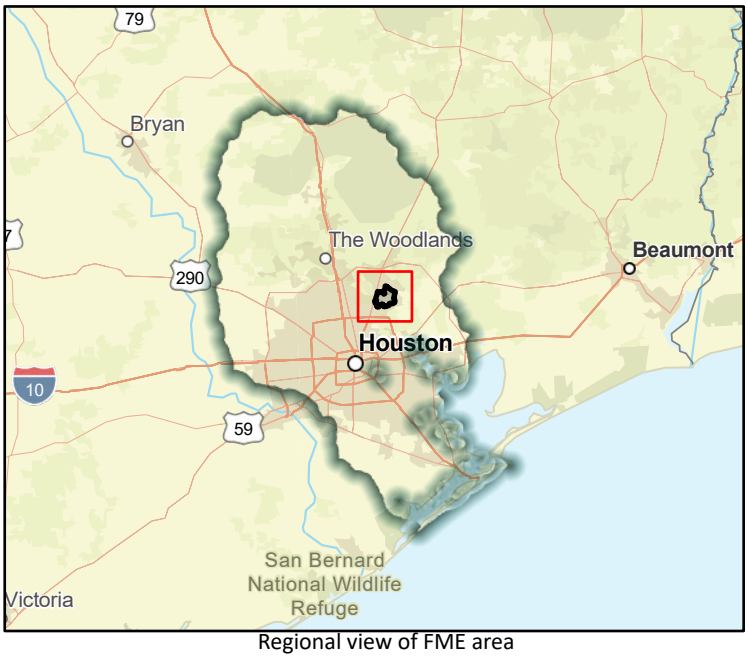
Total Cost: 200,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: San Jacinto River - G103-33-04

ID#: 061000208

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Feasibility study of G103-33-04 to identify feasible flood risk reduction measures

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000024

Drainage area (Square miles, est.): 1.13

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,137

# of structures: 248

Critical facilities: 1

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 3.74

Number of low water crossings: 0

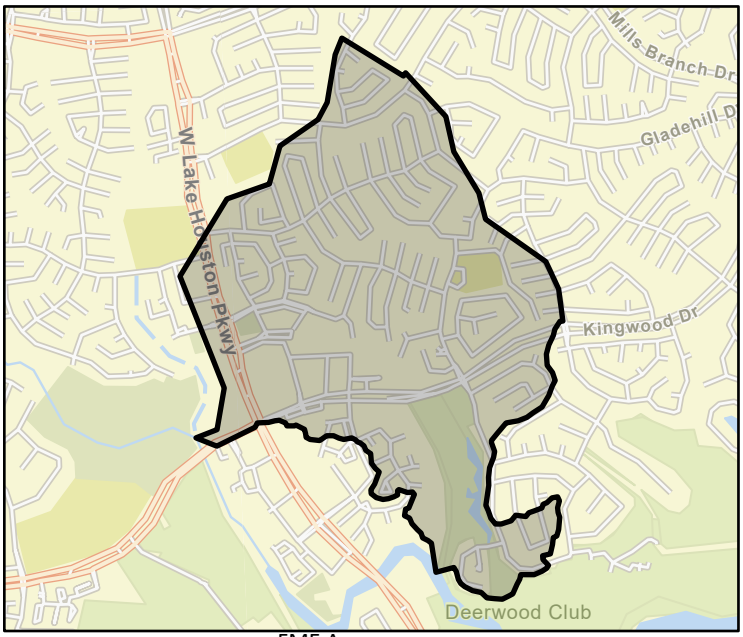
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 200,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: San Jacinto River - G103-36-00

ID#: 061000209

Sponsor (name of entity, not person): 00000310

RFPG recommend? Yes | Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Feasibility study of G103-36-00 to identify feasible flood risk reduction measures

New Hydrologic or Hydraulic model? Yes | Emergency Need? Yes | Existing/Anticipated models in near term? No

County: Harris,Montgomery | Watershed HUC# (if known): 06000024

Drainage area (Square miles, est.): 58.51 | Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 6,868 | # of structures: 1,711 | Critical facilities: 29

Flood risk type: Riverine? Yes | Coastal? No | Local? No | Playa? No | Other? No

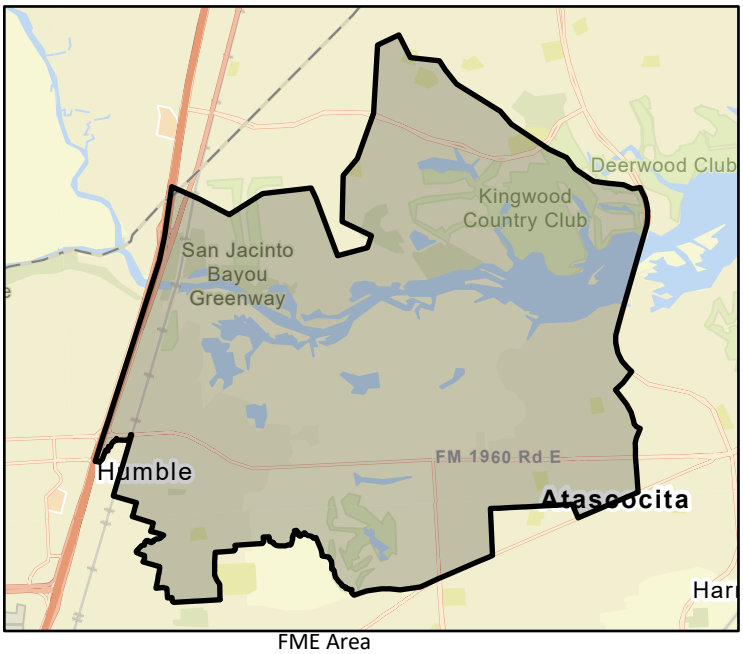
Farm/Ranch land impacted (acres): 72.23 | Roadway(s) impacted (length): 41.85

Number of low water crossings: 0 | Historical road closures: 0

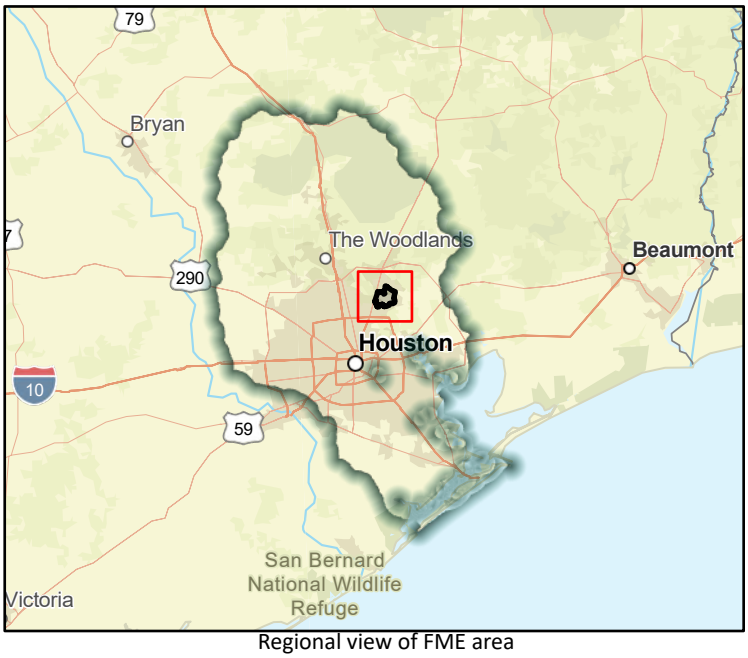
Estimated Cost and Funding Availability

Total Cost: 750,000.00 | Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Conroe Riverine Study and Mapping Improvements

ID#: 061000213

Sponsor (name of entity, not person): 06003030

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study and new modeling for moderate to low quality areas and revise the flood maps using the results from the updated modeling.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Montgomery

Watershed HUC# (if known): 06000011,06000020,06000021

Drainage area (Square miles, est.): 100.07

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 9,102

# of structures: 3,460

Critical facilities: 40

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 98.03

Roadway(s) impacted (length): 83.79

Number of low water crossings: 18

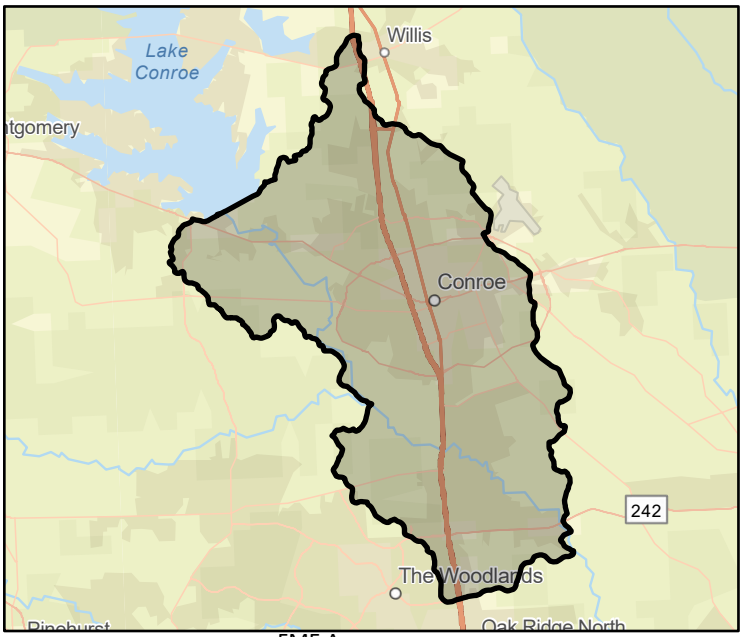
Historical road closures: 18

Estimated Cost and Funding Availability

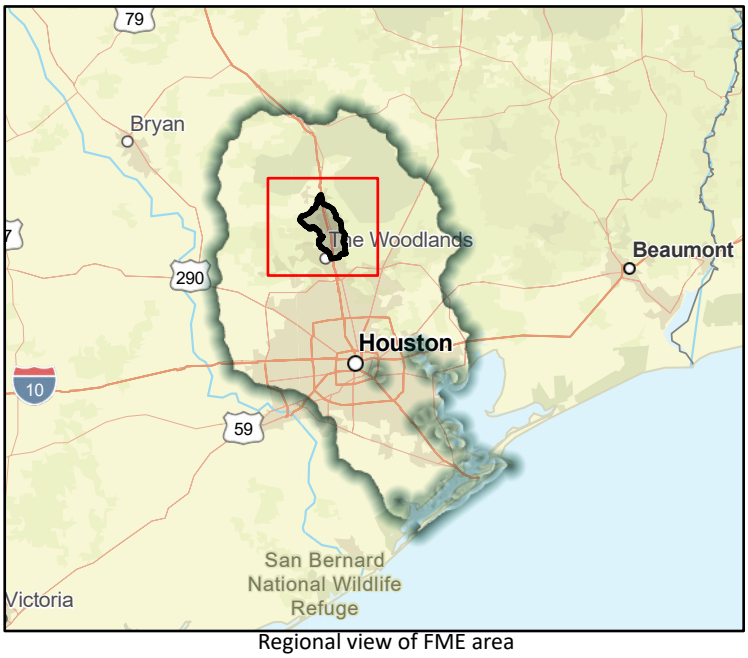
Total Cost: 500,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: April Sound Subdivision Evaluation

ID#: 061000214

Sponsor (name of entity, not person): 06003030

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Detailed analysis to be completed for the entire development using detailed storm sewer modeling.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Montgomery

Watershed HUC# (if known): 06000011,06000020,06000021

Drainage area (Square miles, est.): 100.07

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 9,102

# of structures: 3,460

Critical facilities: 40

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 98.03

Roadway(s) impacted (length): 83.79

Number of low water crossings: 18

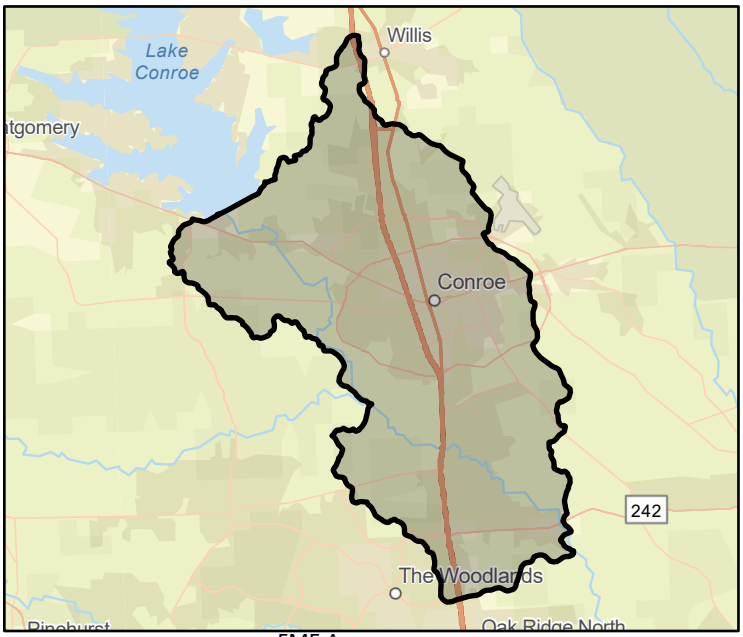
Historical road closures: 18

Estimated Cost and Funding Availability

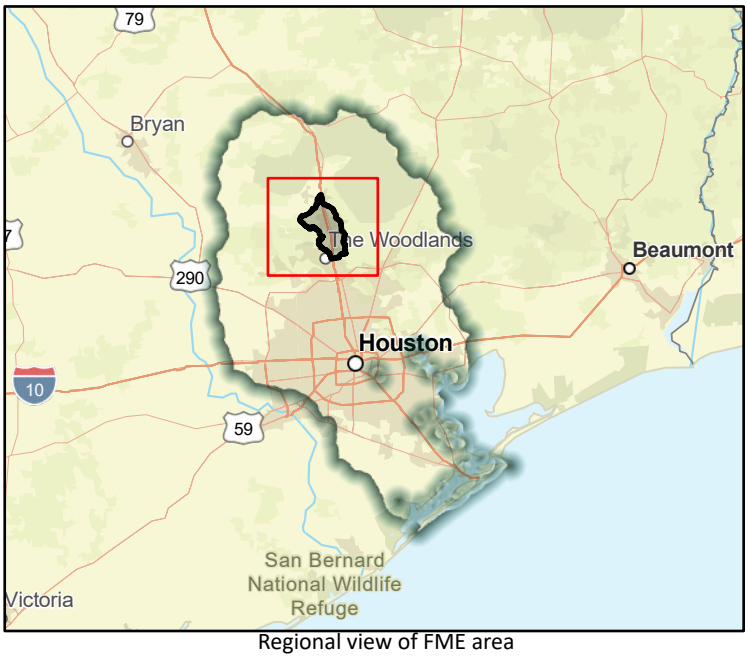
Total Cost: 1,700,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Conroe Downtown Master Drainage Plan

ID#: 061000215

Sponsor (name of entity, not person): 06003030

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Full as-built storm sewer intventory survey and a full drainage study recommended.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Montgomery

Watershed HUC# (if known): 06000011,06000020,06000021

Drainage area (Square miles, est.): 100.07

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 9,102

# of structures: 3,460

Critical facilities: 40

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 98.03

Roadway(s) impacted (length): 83.79

Number of low water crossings: 18

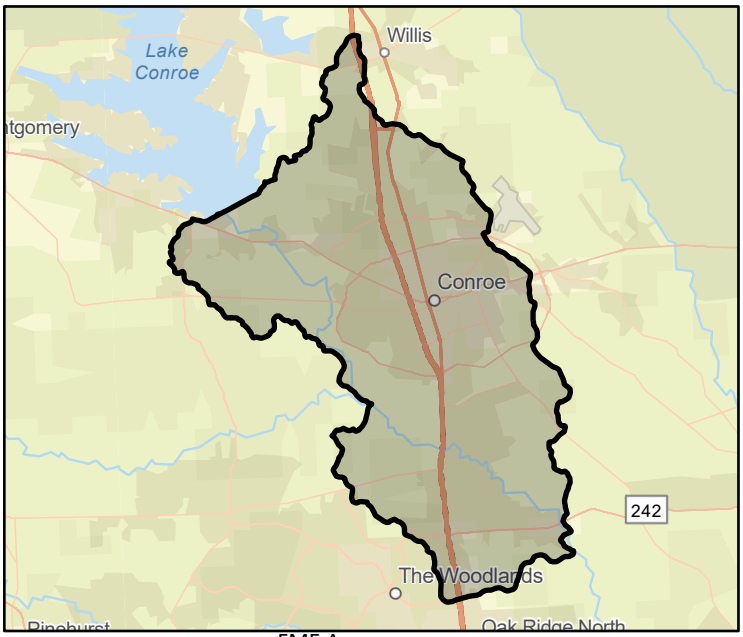
Historical road closures: 18

Estimated Cost and Funding Availability

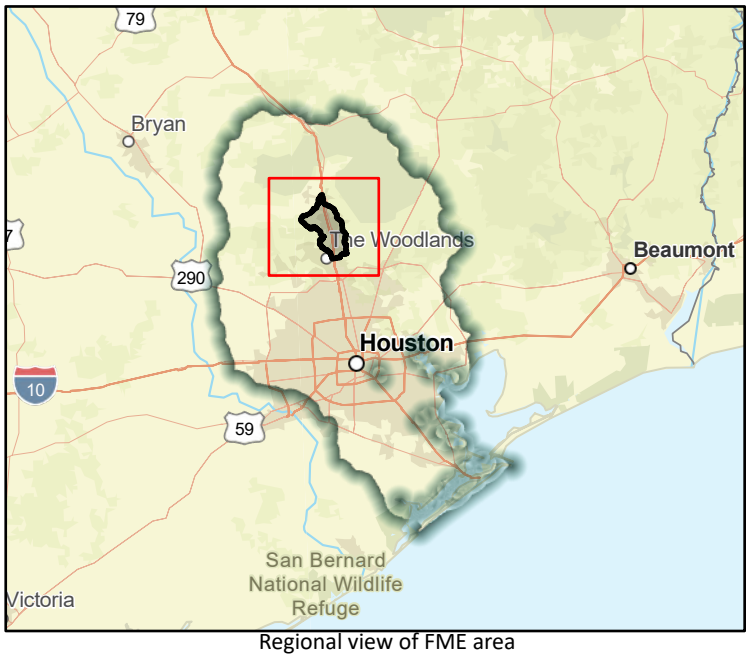
Total Cost: 750,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Greens Bayou - P103-00-00

ID#: 061000216

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Feasibility study of P103-00-00 to identify feasible flood risk reduction measures

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000095,06000094,06000092

Drainage area (Square miles, est.): 5.55

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 1,343

# of structures: 391

Critical facilities: 5

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 15.07

Roadway(s) impacted (length): 6.69

Number of low water crossings: 0

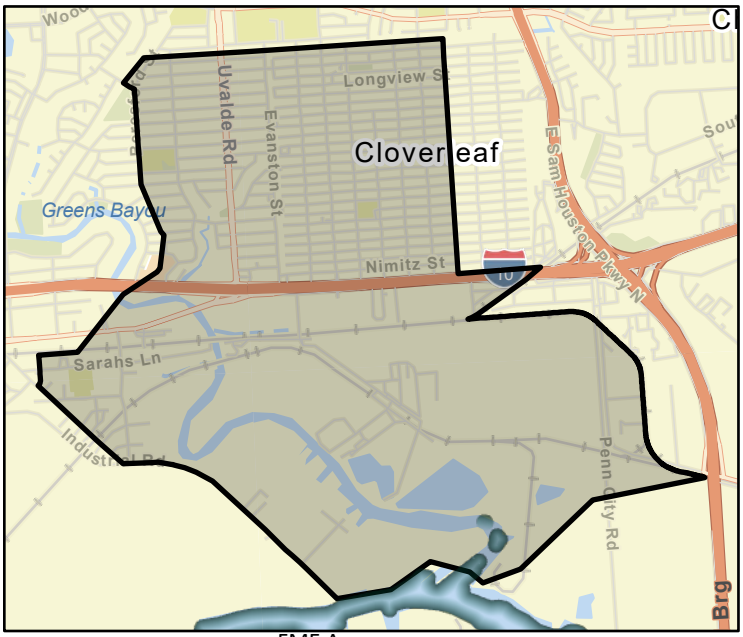
Historical road closures: 0

Estimated Cost and Funding Availability

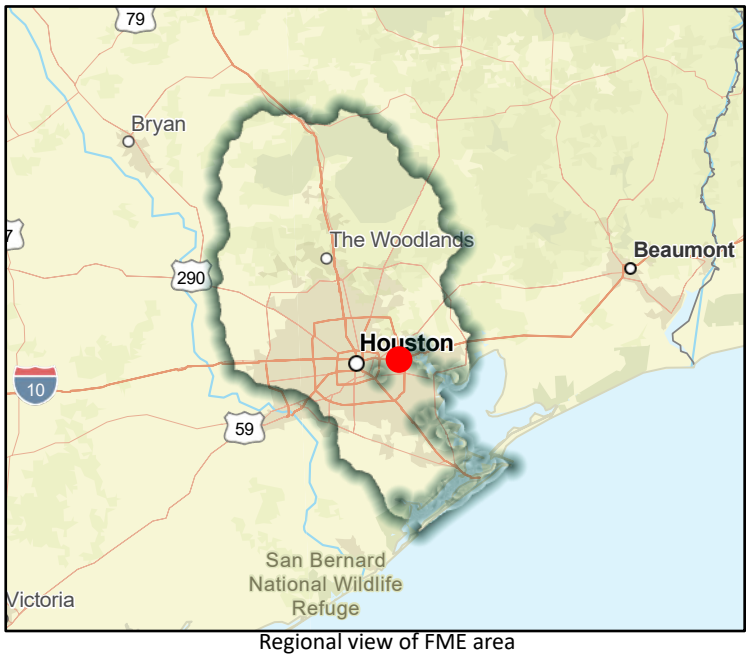
Total Cost: 300,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Barker - T101-00-00

ID#: 061000217

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Feasibility study of T101-00-00 to identify feasible flood risk reduction measures

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000072,06000074,06000077,06000080

Drainage area (Square miles, est.): 17.28

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 412

# of structures: 41

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 8.62

Roadway(s) impacted (length): 2.59

Number of low water crossings: 0

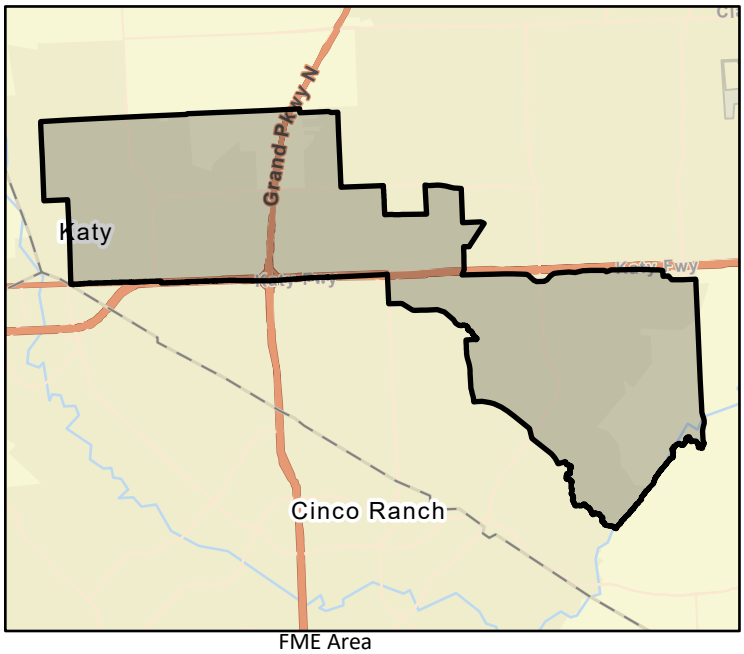
Historical road closures: 0

Estimated Cost and Funding Availability

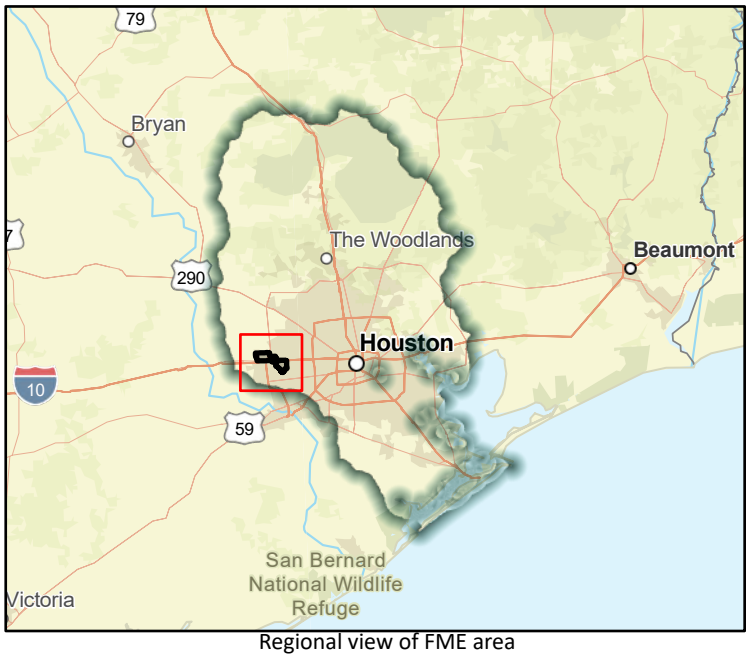
Total Cost: 500,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Barker - T103-00-00

ID#: 061000218

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Feasibility study of T103-00-00 to identify feasible flood risk reduction measures

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000074

Drainage area (Square miles, est.): 4.07

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 25

# of structures: 7

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.38

Roadway(s) impacted (length): 0.05

Number of low water crossings: 0

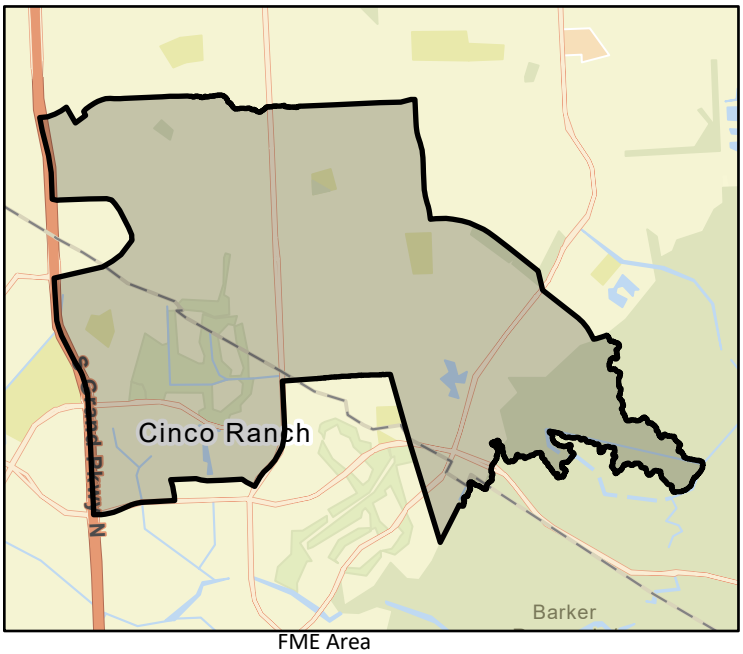
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 300,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Buffalo Bayou - W158-00-00

ID#: 061000219

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Feasibility study of W158-00-00 to identify feasible flood risk reduction measures

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000080

Drainage area (Square miles, est.): 2.82

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 225

# of structures: 72

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.73

Roadway(s) impacted (length): 0.99

Number of low water crossings: 0

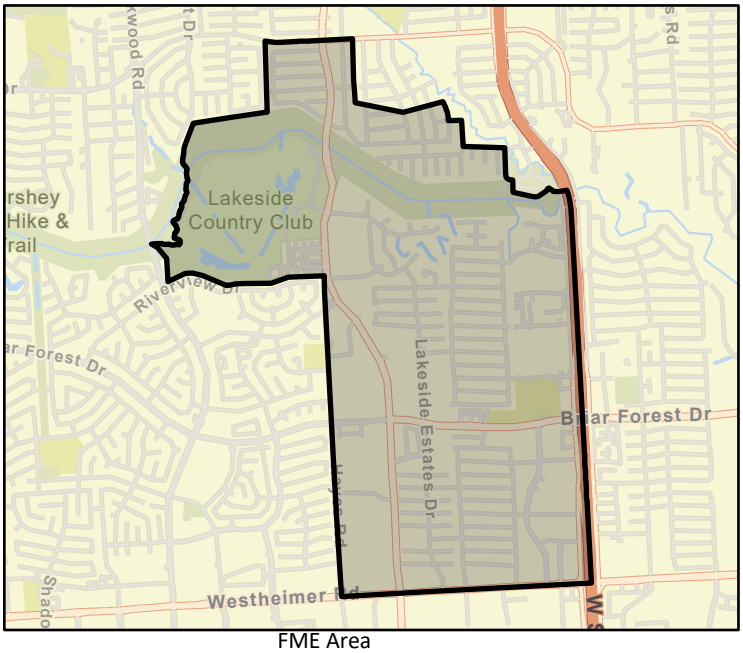
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 200,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Buffalo Bayou - W130-00-00

ID#: 061000220

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Feasibility study of W130-00-00 to identify feasible flood risk reduction measures

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000082,06000080

Drainage area (Square miles, est.): 2.79

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 3,954

# of structures: 27

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.25

Roadway(s) impacted (length): 0.67

Number of low water crossings: 0

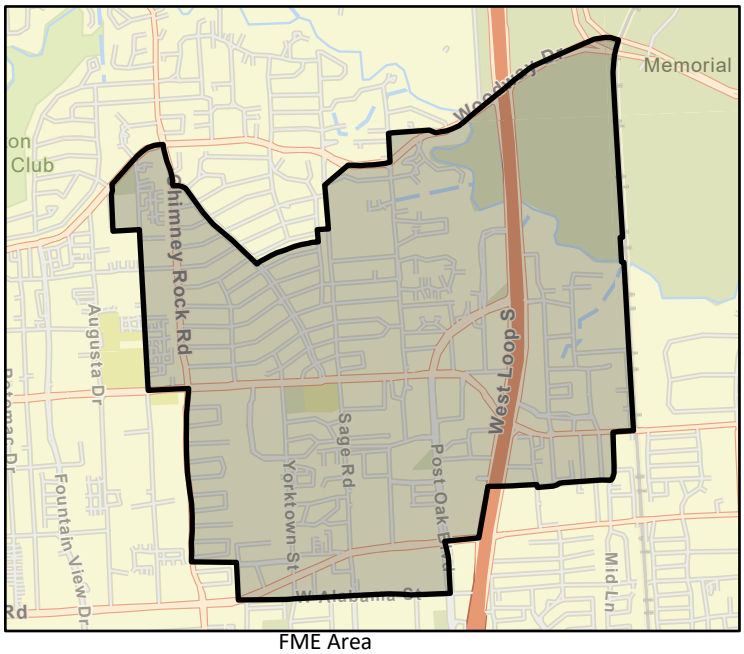
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 100,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Buffalo Bayou - W163-00-00

ID#: 061000221

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Feasibility study of W163-00-00 to identify feasible flood risk reduction measures

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000080

Drainage area (Square miles, est.): 1.39

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 226

# of structures: 70

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.45

Roadway(s) impacted (length): 0.86

Number of low water crossings:

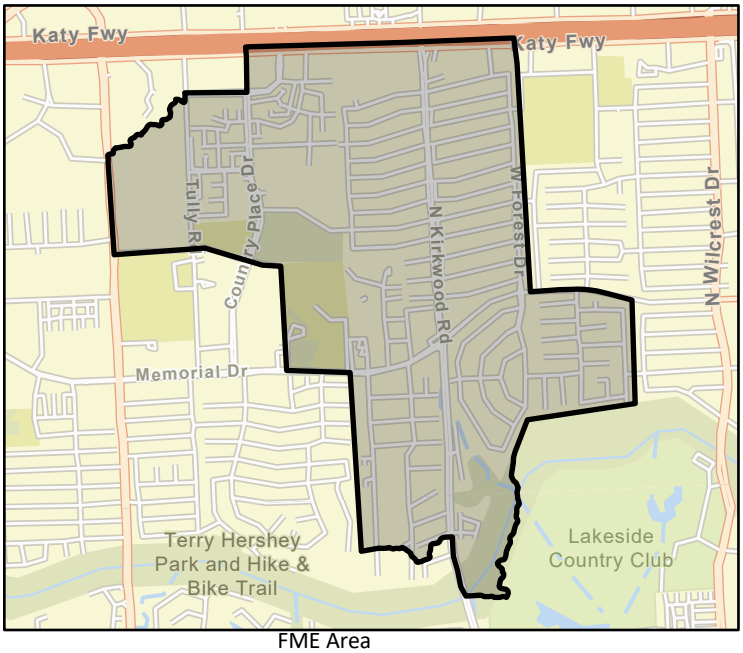
Historical road closures:

Estimated Cost and Funding Availability

Total Cost: 200,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Arcola Master Drainage Plan

ID#: 061000222

Sponsor (name of entity, not person): 00002557

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Fort Bend

Watershed HUC# (if known): 06000109

Drainage area (Square miles, est.): 2.60

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 39

# of structures: 41

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1.23

Roadway(s) impacted (length): 0.22

Number of low water crossings: 0

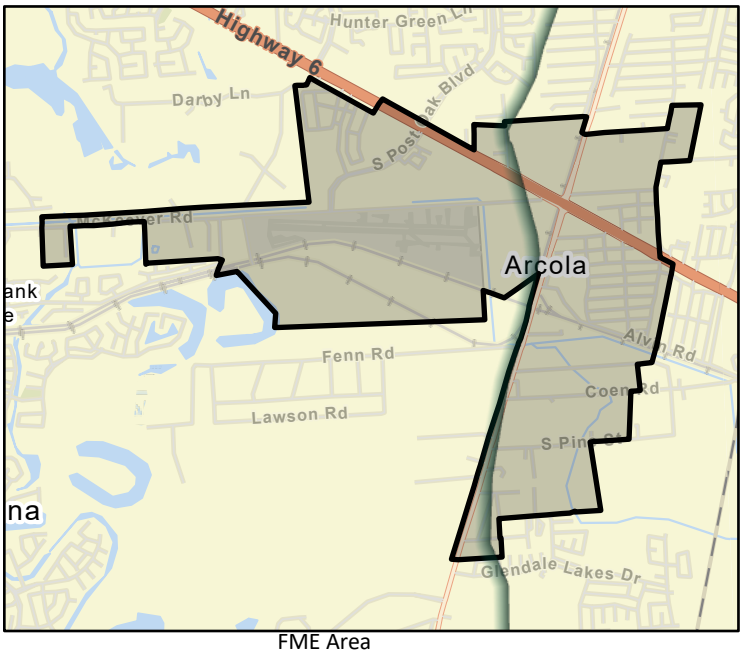
Historical road closures: 0

Estimated Cost and Funding Availability

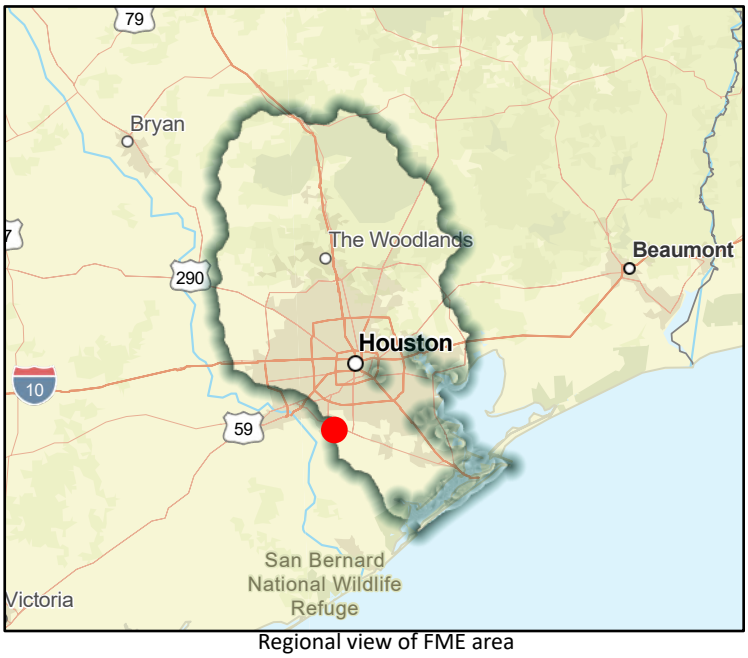
Total Cost: 200,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Baytown Master Drainage Plan

ID#: 061000223

Sponsor (name of entity, not person): 00003343

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Chambers,Harris

Watershed HUC# (if known): 06000097,06000098,06000103,06000104,06000105

Drainage area (Square miles, est.): 38.05

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 5,397

# of structures: 1,184

Critical facilities: 36

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 78.84

Roadway(s) impacted (length): 50.20

Number of low water crossings: 1

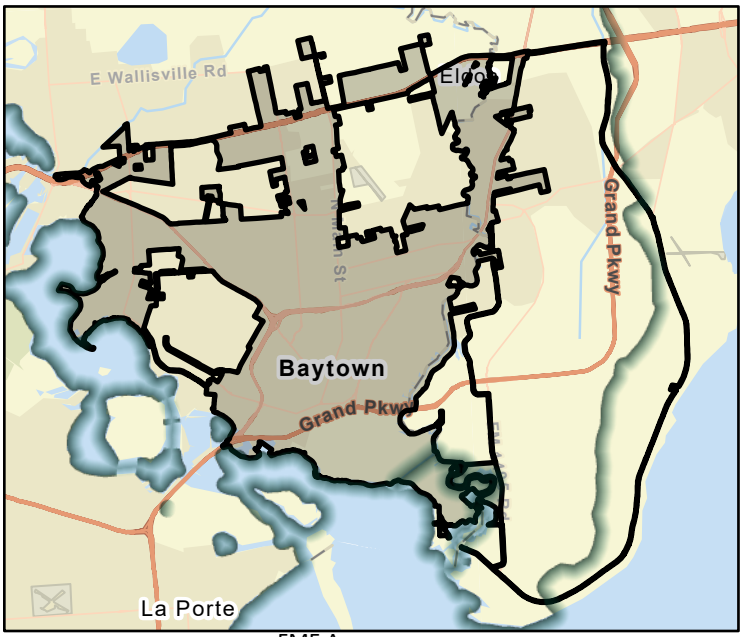
Historical road closures: 1

Estimated Cost and Funding Availability

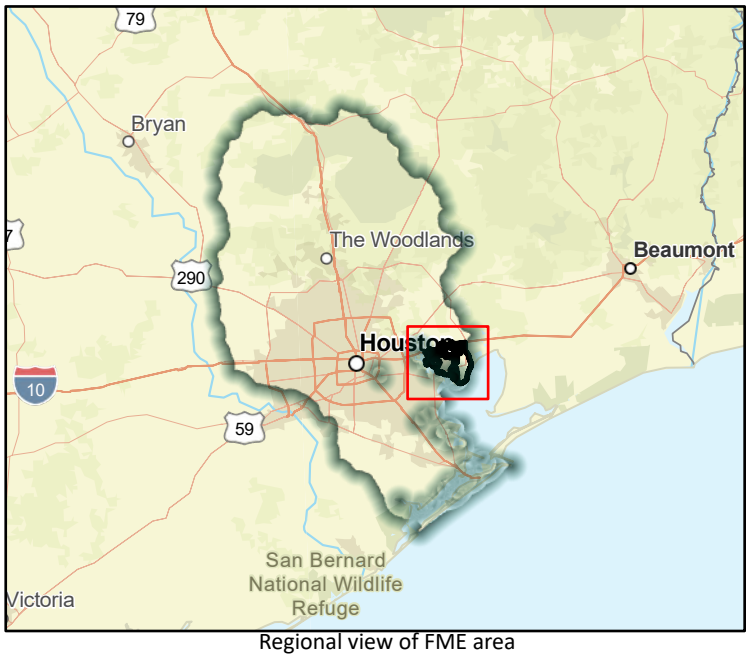
Total Cost: 520,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Beach City Master Drainage Plan

ID#: 061000224

Sponsor (name of entity, not person): 00003344

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Chambers

Watershed HUC# (if known): 06000105

Drainage area (Square miles, est.): 4.46

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 6

# of structures: 3

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 4.72

Roadway(s) impacted (length): 0.20

Number of low water crossings:

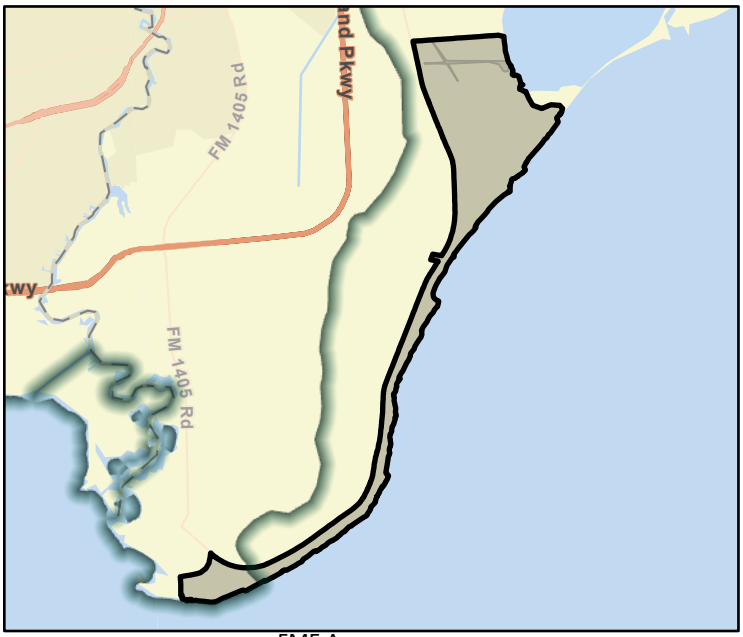
Historical road closures:

Estimated Cost and Funding Availability

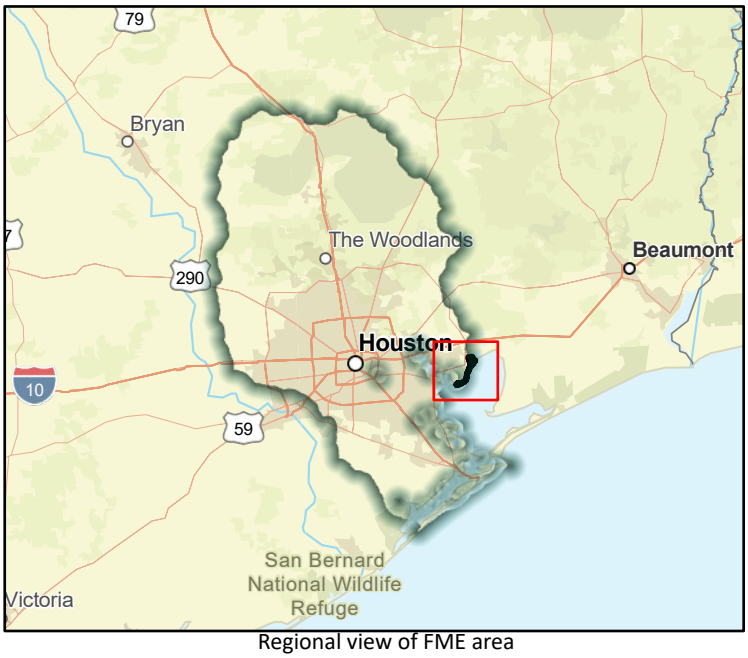
Total Cost: 240,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Bellaire Master Drainage Plan

ID#: 061000225

Sponsor (name of entity, not person): 06002854

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Conduct planning study to produce a Master Drainage Plan for the City of Bellaire, identifying and developing specific flood-related capital improvements and implementation plans necessary to acheive a desired level of service / flood protection.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000084,06000083

Drainage area (Square miles, est.): 3.58

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 25,741

# of structures: 5,877

Critical facilities: 69

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.16

Roadway(s) impacted (length): 70.92

Number of low water crossings: 0

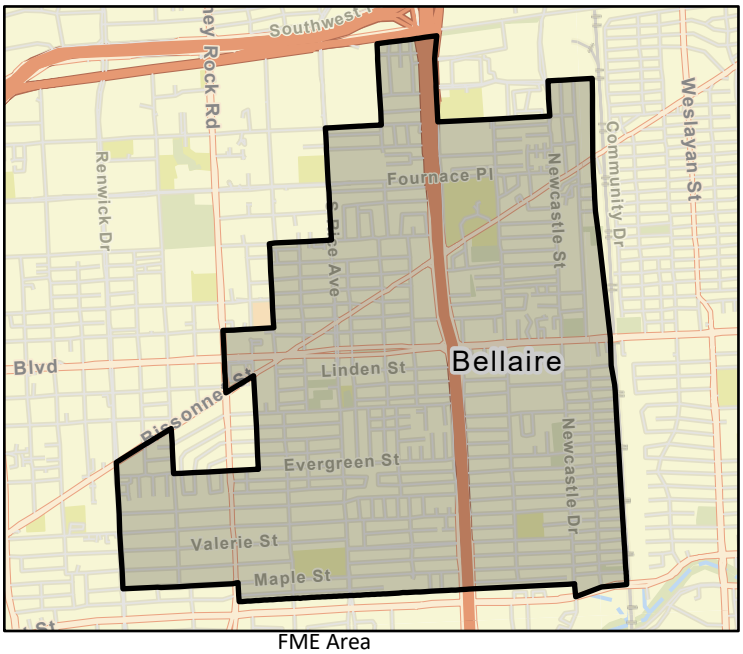
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 1,500,000.00

Amount of Available Funding: 375,000.00

Funding source: Bonds/Other Financing



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Brookside Village Master Drainage Plan

ID#: 061000226

Sponsor (name of entity, not person): 06003024

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Brazoria

Watershed HUC# (if known): 06000106

Drainage area (Square miles, est.): 2.06

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,467

# of structures: 809

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 3.07

Roadway(s) impacted (length): 12.40

Number of low water crossings: 0

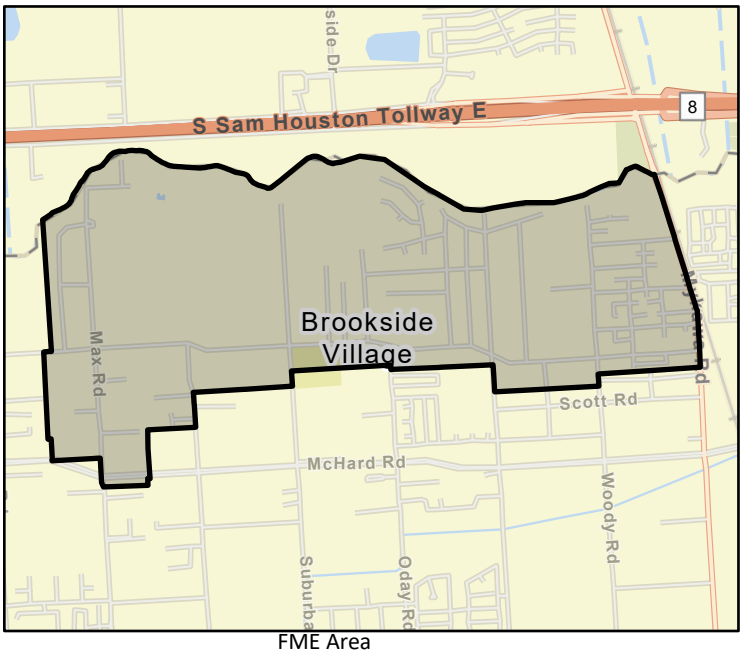
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 190,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Bunker Hill Village Master Drainage Plan

ID#: 061000227

Sponsor (name of entity, not person): 06002856

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000080

Drainage area (Square miles, est.): 1.44

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures: 0

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.00

Number of low water crossings:

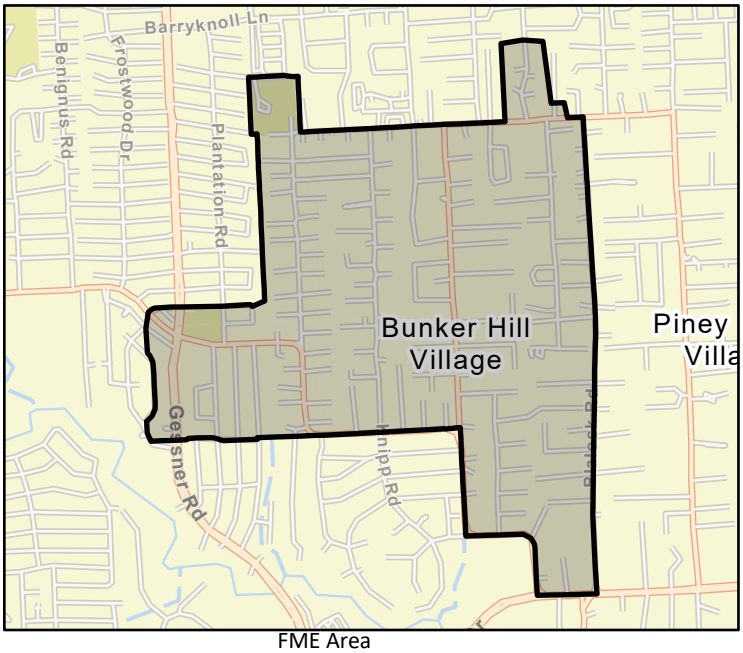
Historical road closures:

Estimated Cost and Funding Availability

Total Cost: 170,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Clear Lake Shores Master Drainage Plan

ID#: 061000228

Sponsor (name of entity, not person): 06002808

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Galveston,Harris

Watershed HUC# (if known): 06000106

Drainage area (Square miles, est.): 0.71

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,597

# of structures: 633

Critical facilities: 4

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 8.83

Number of low water crossings: 0

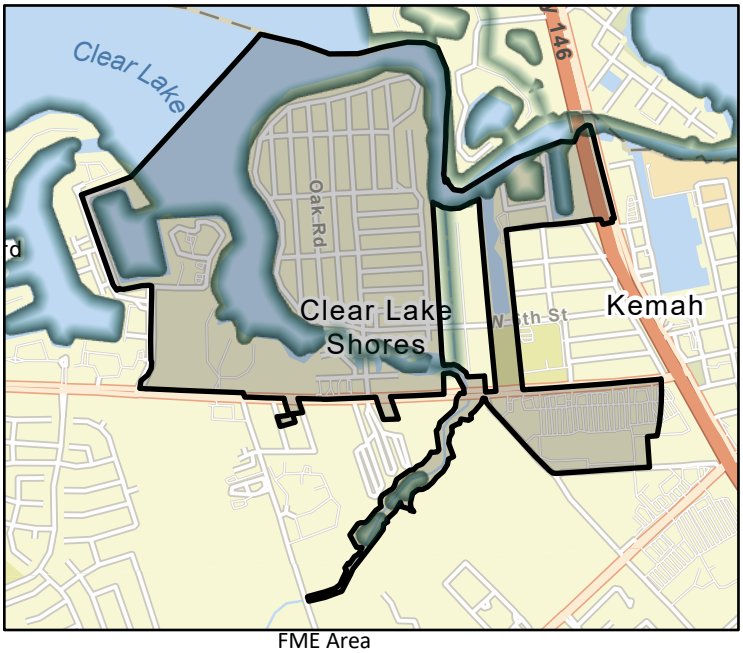
Historical road closures: 0

Estimated Cost and Funding Availability

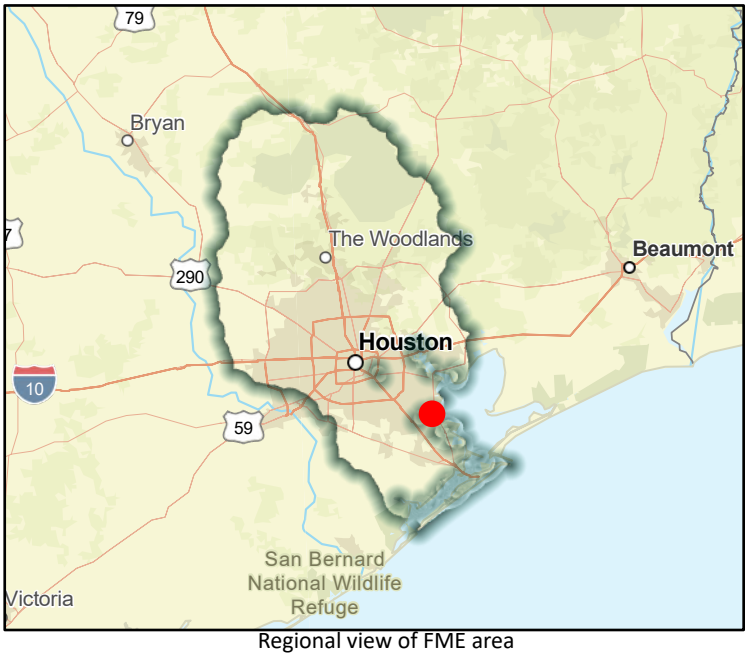
Total Cost: 140,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Cleveland Master Drainage Plan

ID#: 061000229

Sponsor (name of entity, not person): 06002530

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Liberty,Montgomery,San Jacinto

Watershed HUC# (if known): 06000056,06000053,06000054,06000058,06000057,06000069

Drainage area (Square miles, est.): 18.74

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,037

# of structures: 260

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 28.88

Roadway(s) impacted (length): 27.33

Number of low water crossings: 1

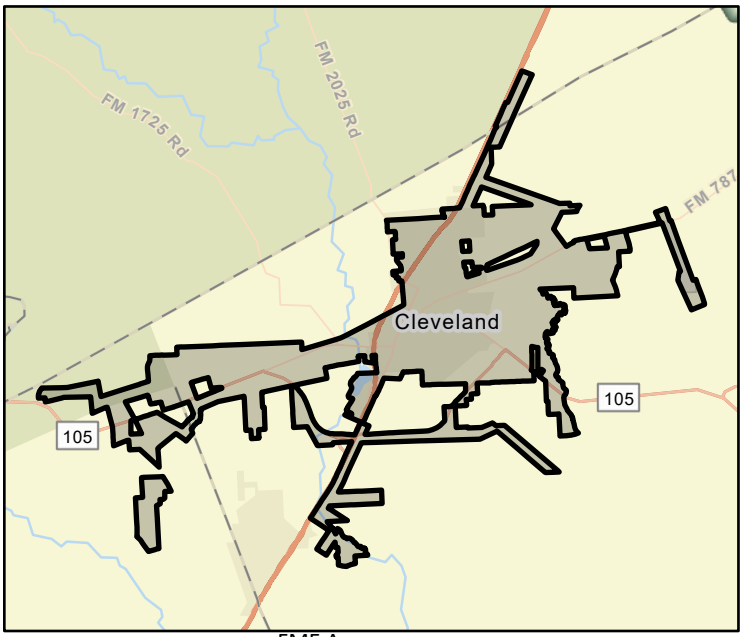
Historical road closures: 1

Estimated Cost and Funding Availability

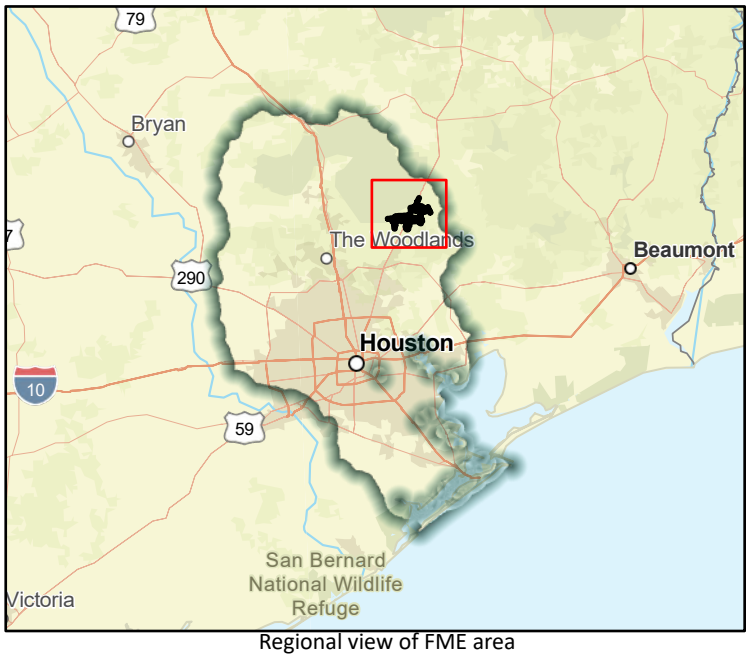
Total Cost: 400,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Coldspring Master Drainage Plan

ID#: 061000230

Sponsor (name of entity, not person): 00003513

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: San Jacinto

Watershed HUC# (if known): 06000067

Drainage area (Square miles, est.): 1.85

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures:

Critical facilities:

Flood risk type: Riverine?: No Coastal?: No Local?: Yes Playa?: No Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.00

Number of low water crossings:

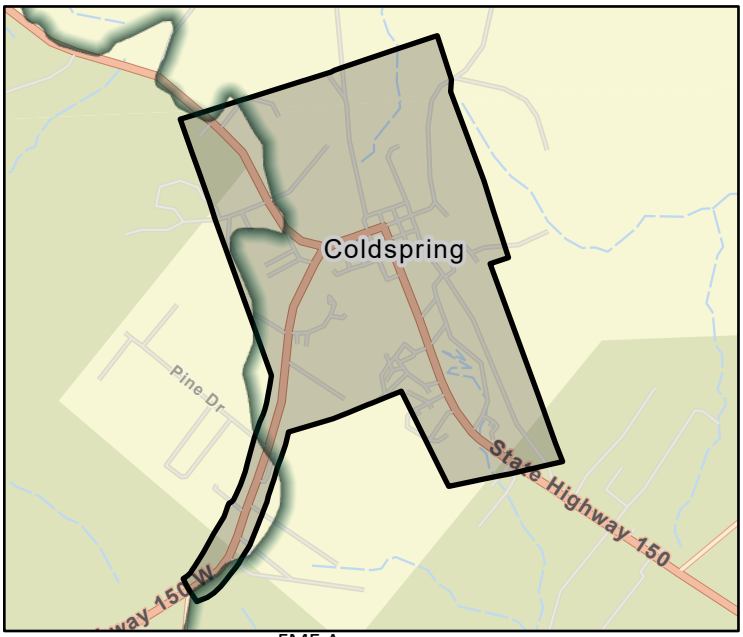
Historical road closures:

Estimated Cost and Funding Availability

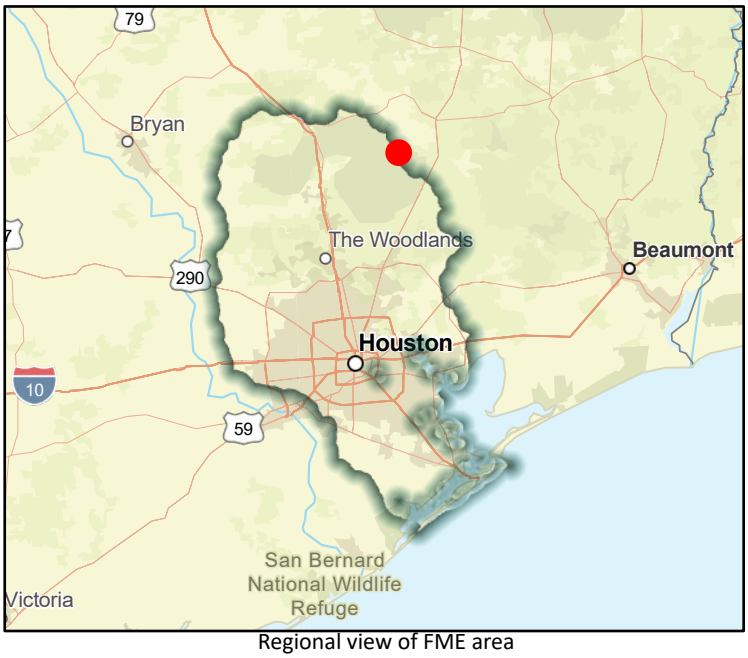
Total Cost: 180,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Cut and Shoot Master Drainage Plan

ID#: 061000232

Sponsor (name of entity, not person): 06003018

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Montgomery

Watershed HUC# (if known): 06000022,06000047,06000049

Drainage area (Square miles, est.): 2.70

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 166

# of structures: 90

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 2.88

Roadway(s) impacted (length): 1.71

Number of low water crossings: 0

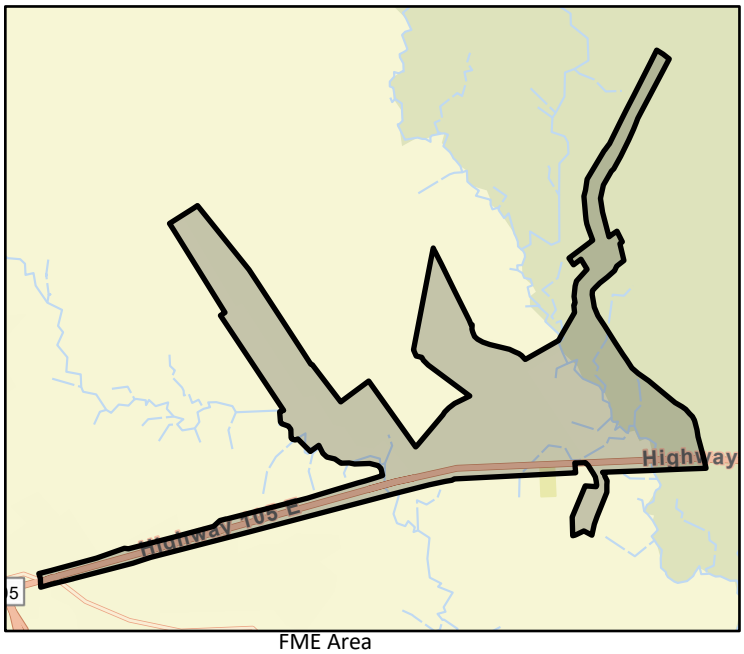
Historical road closures: 0

Estimated Cost and Funding Availability

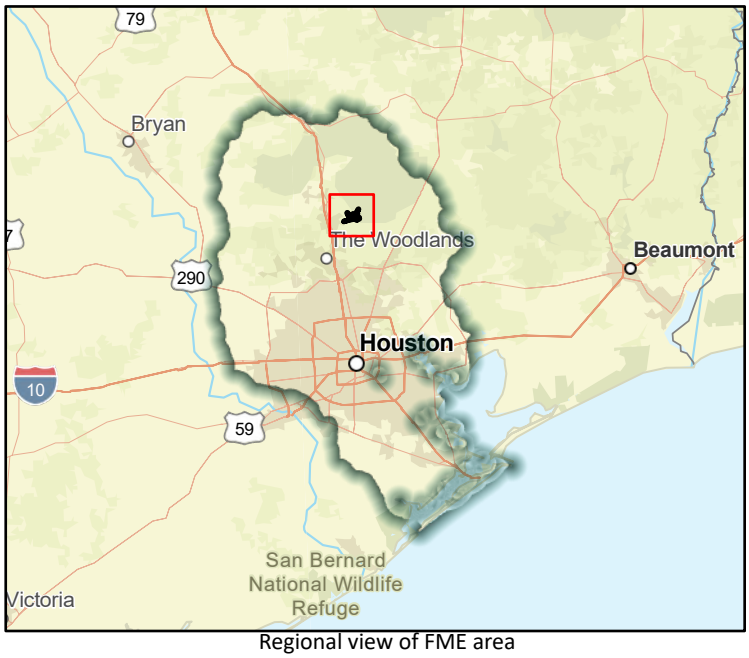
Total Cost: 210,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Dayton Master Drainage Plan

ID#: 061000233

Sponsor (name of entity, not person): 00002531

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Liberty

Watershed HUC# (if known): 06000102,06000101,06000100,06000099

Drainage area (Square miles, est.): 30.58

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 74

# of structures: 32

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 65.61

Roadway(s) impacted (length): 0.93

Number of low water crossings:

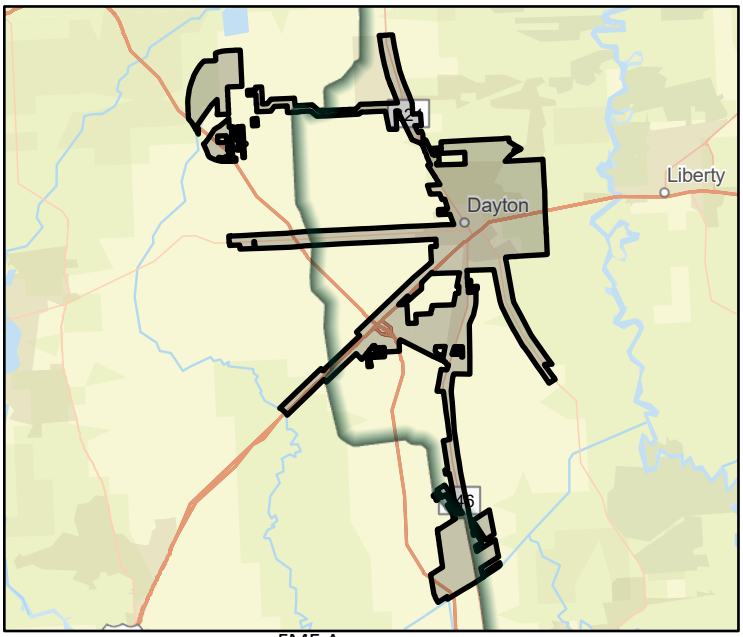
Historical road closures:

Estimated Cost and Funding Availability

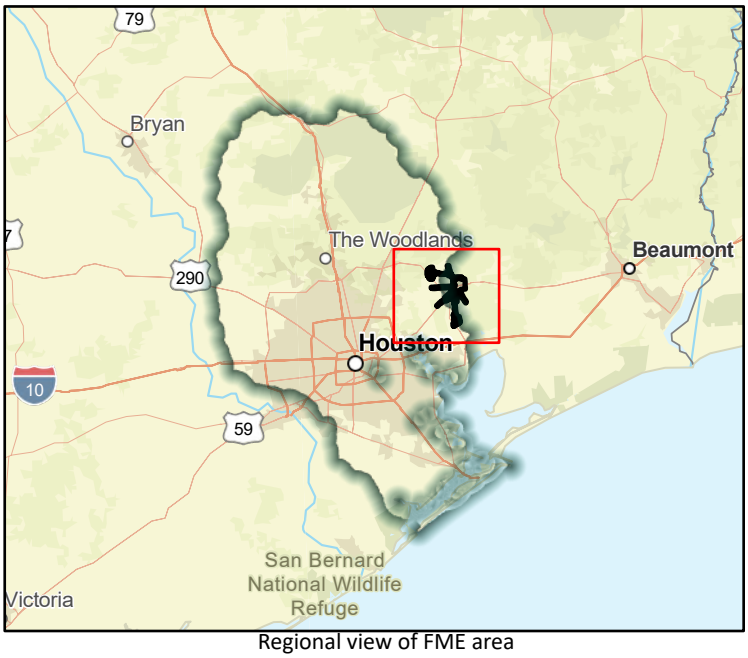
Total Cost: 108,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Deer Park Master Drainage Plan

ID#: 061000234

Sponsor (name of entity, not person): 06002857

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000095,06000098,06000106

Drainage area (Square miles, est.): 10.53

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 7,734

# of structures: 469

Critical facilities: 6

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 4.11

Roadway(s) impacted (length): 9.12

Number of low water crossings: 1

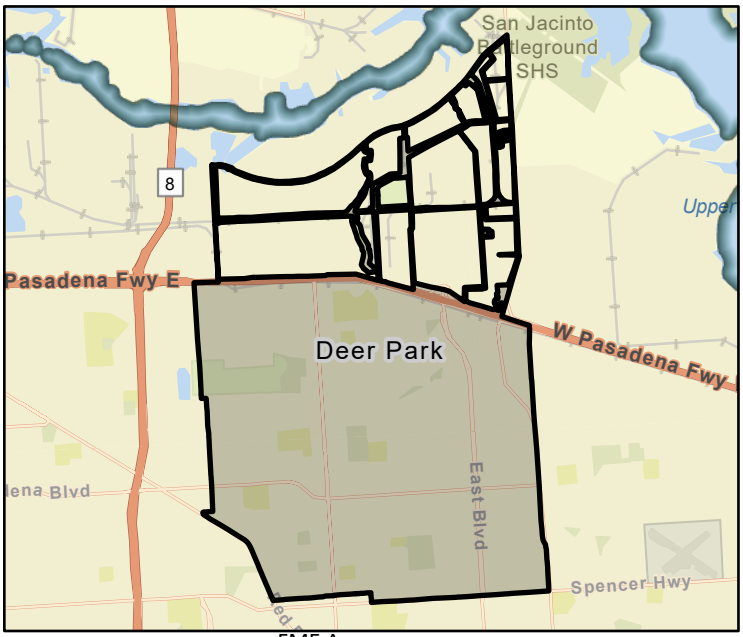
Historical road closures: 1

Estimated Cost and Funding Availability

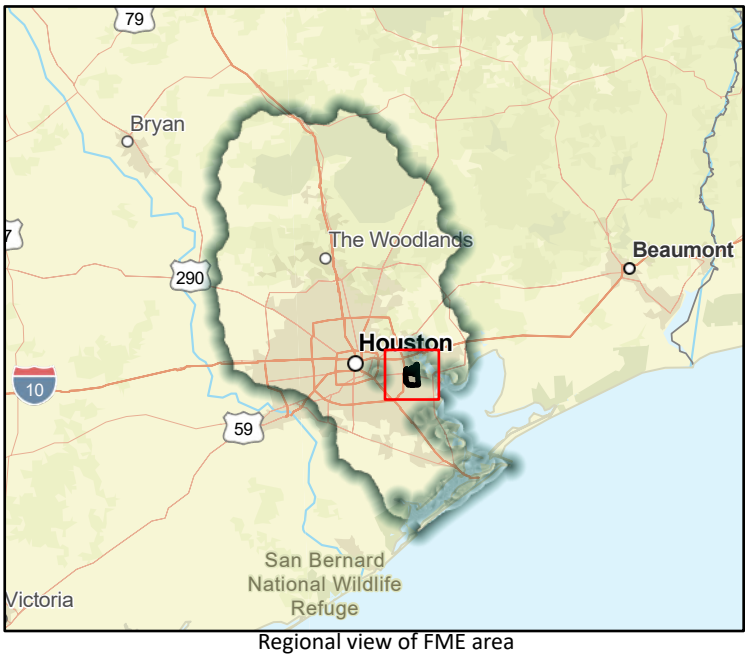
Total Cost: 320,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Dickinson Master Drainage Plan

ID#: 061000235

Sponsor (name of entity, not person): 06003398

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000107

Drainage area (Square miles, est.): 10.30

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 15,510

# of structures: 5,622

Critical facilities: 76

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 37.74

Roadway(s) impacted (length): 78.90

Number of low water crossings: 10

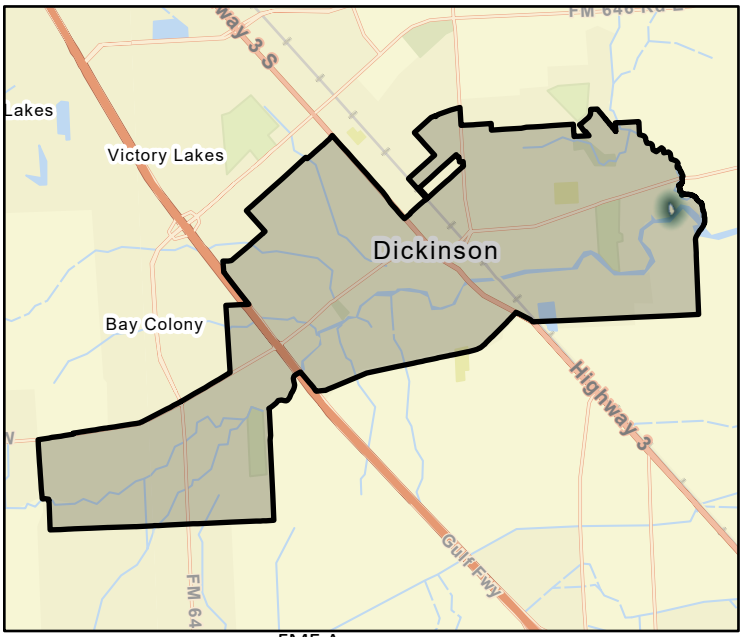
Historical road closures: 10

Estimated Cost and Funding Availability

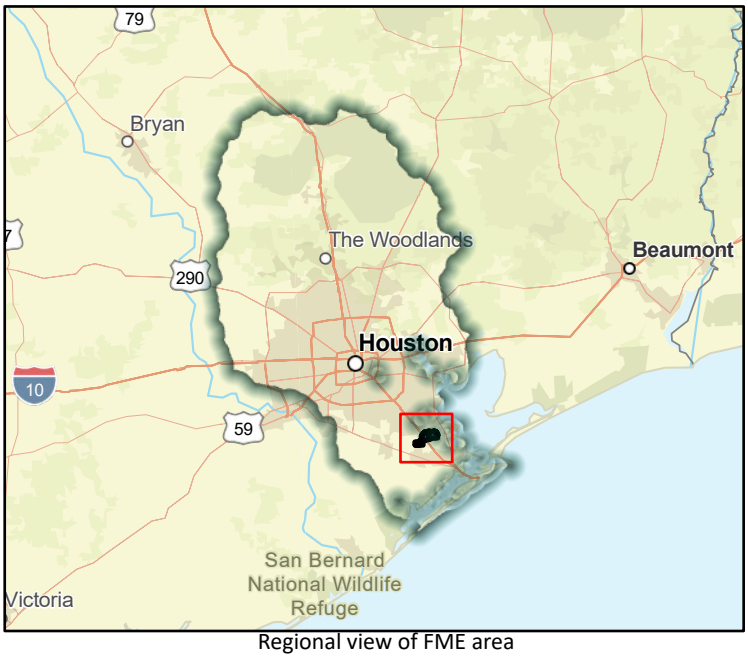
Total Cost: 320,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of El Lago Master Drainage Plan

ID#: 061000236

Sponsor (name of entity, not person): 06002858

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000106

Drainage area (Square miles, est.): 0.71

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,384

# of structures: 742

Critical facilities: 9

Flood risk type: Riverine?: Yes

Coastal?: Yes

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.45

Roadway(s) impacted (length): 9.36

Number of low water crossings:

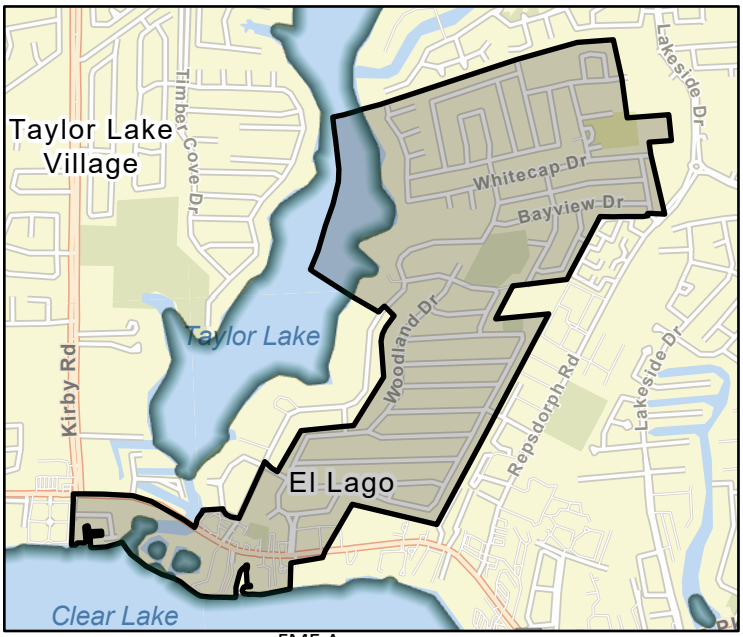
Historical road closures:

Estimated Cost and Funding Availability

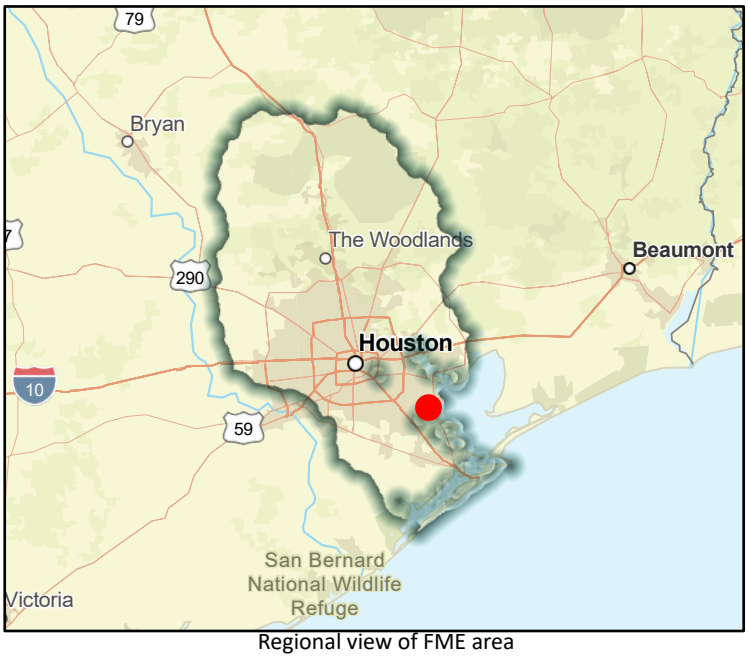
Total Cost: 140,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Friendswood Master Drainage Plan

ID#: 061000237

Sponsor (name of entity, not person): 06002833

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Galveston,Harris

Watershed HUC# (if known): 06000107,06000106

Drainage area (Square miles, est.): 20.83

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 4,640

# of structures: 1,680

Critical facilities: 1

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 18.38

Roadway(s) impacted (length): 37.73

Number of low water crossings: 5

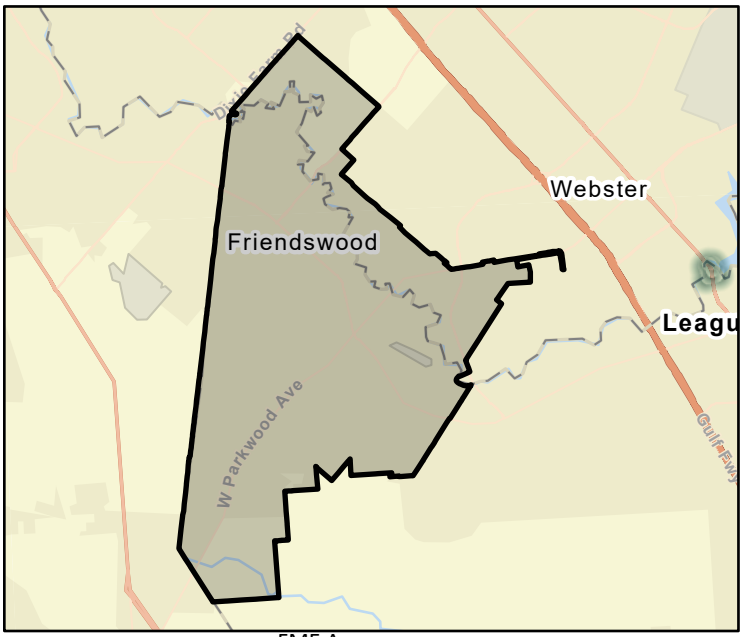
Historical road closures: 5

Estimated Cost and Funding Availability

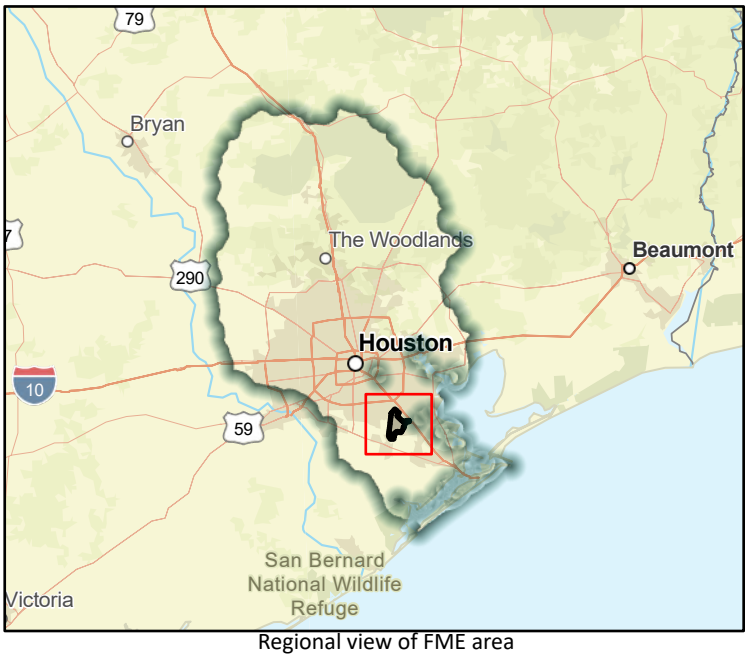
Total Cost: 750,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Fulshear Master Drainage Plan

ID#: 061000238

Sponsor (name of entity, not person): 00002923

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Fort Bend

Watershed HUC# (if known): 06000073

Drainage area (Square miles, est.): 12.06

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures:

Critical facilities:

Flood risk type: Riverine?: No Coastal?: No Local?: Yes Playa?: No Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.00

Number of low water crossings:

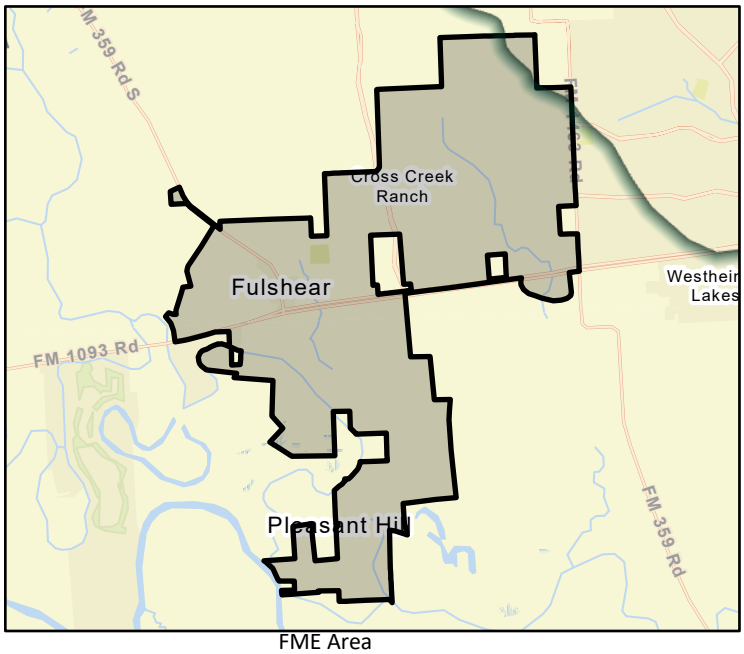
Historical road closures:

Estimated Cost and Funding Availability

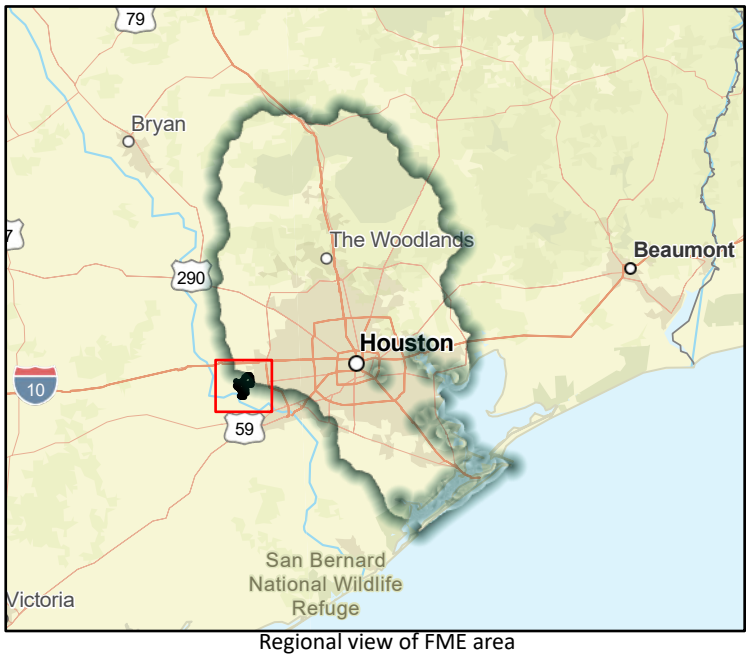
Total Cost: 340,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Galena Park Master Drainage Plan

ID#: 061000239

Sponsor (name of entity, not person): 06002452

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000095,06000093

Drainage area (Square miles, est.): 4.90

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 465

# of structures: 205

Critical facilities: 9

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 3.45

Roadway(s) impacted (length): 2.64

Number of low water crossings: 0

Historical road closures: 0

Estimated Cost and Funding Availability

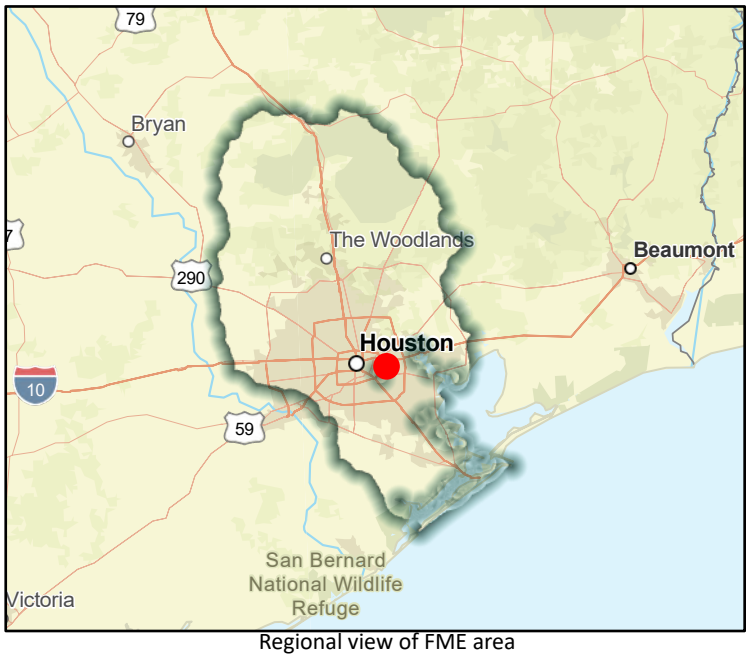
Total Cost: 250,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Hedwig Village Master Drainage Plan

ID#: 061000241

Sponsor (name of entity, not person): 06002453

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000080

Drainage area (Square miles, est.): 0.94

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures: 0

Critical facilities: 0

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.00

Number of low water crossings:

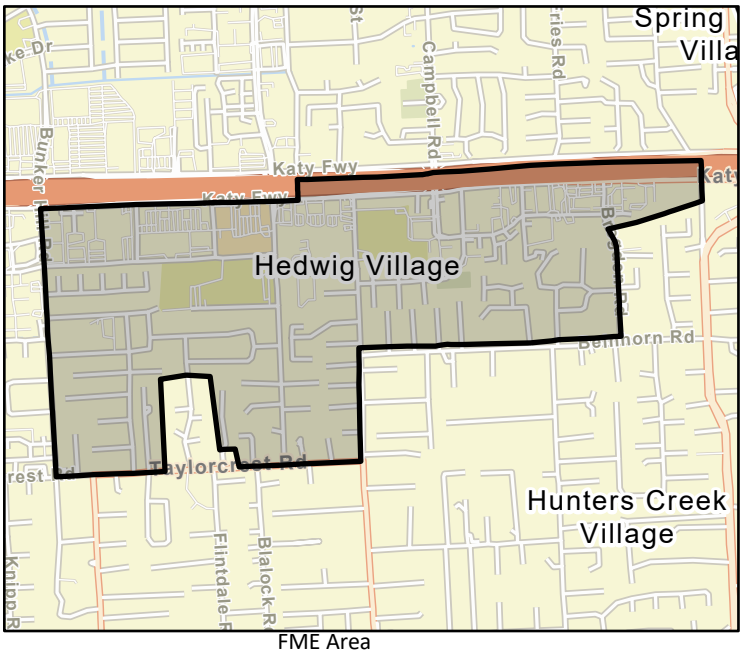
Historical road closures:

Estimated Cost and Funding Availability

Total Cost: 150,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Hillcrest Master Drainage Plan

ID#: 061000242

Sponsor (name of entity, not person): 06003026

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Brazoria

Watershed HUC# (if known): 06000109

Drainage area (Square miles, est.): 0.44

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 333

# of structures: 128

Critical facilities: 1

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.14

Roadway(s) impacted (length): 2.08

Number of low water crossings: 0

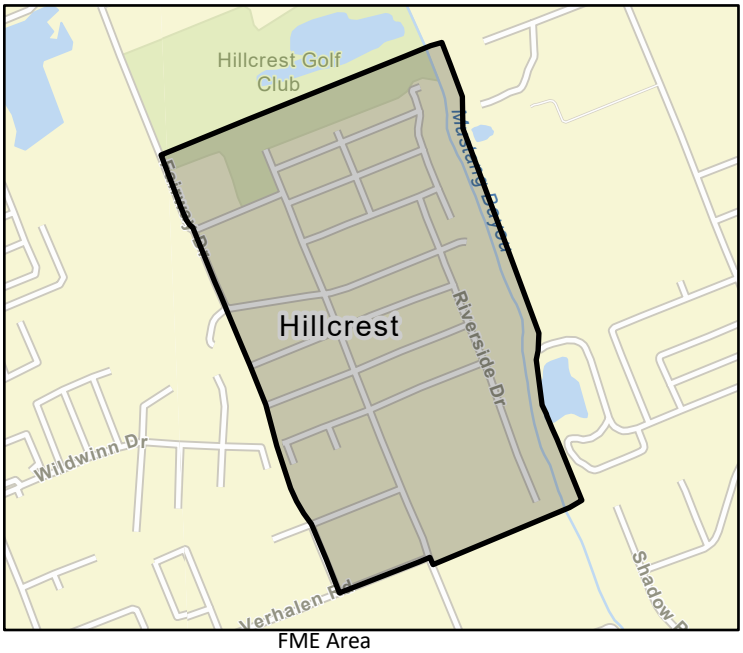
Historical road closures: 0

Estimated Cost and Funding Availability

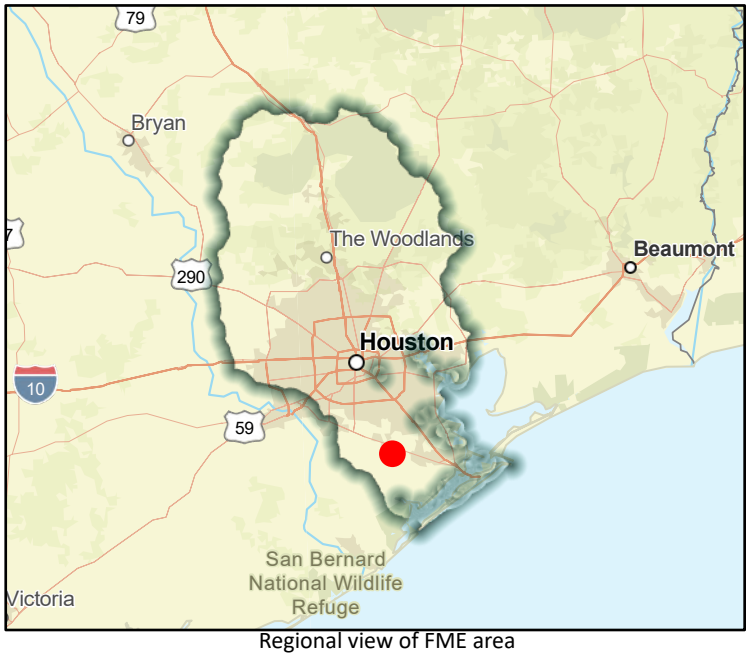
Total Cost: 130,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Hilshire Village Master Drainage Plan

ID#: 061000243

Sponsor (name of entity, not person): 06002454

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000080

Drainage area (Square miles, est.): 0.27

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 3

# of structures: 1

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.01

Number of low water crossings: 0

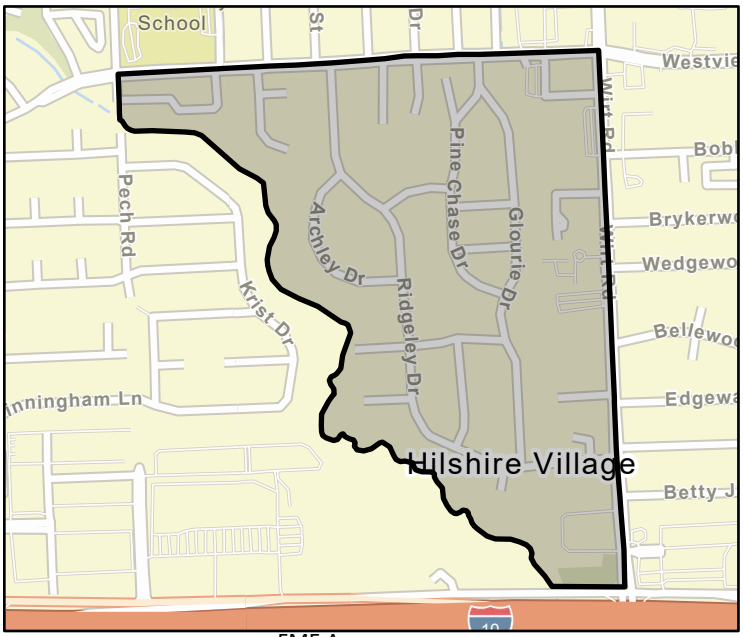
Historical road closures: 0

Estimated Cost and Funding Availability

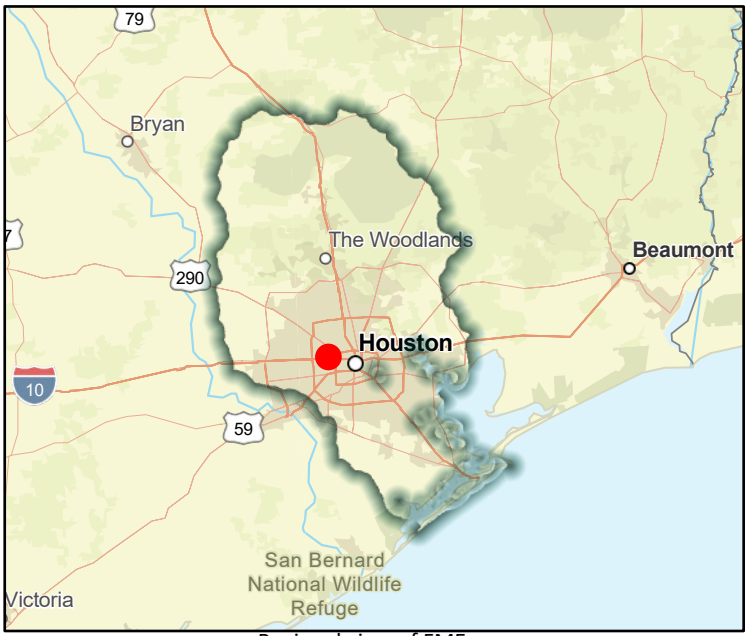
Total Cost: 110,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Hitchcock Master Drainage Plan

ID#: 061000244

Sponsor (name of entity, not person): 06003145

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Brazoria,Galveston

Watershed HUC# (if known): 06000108,06000107

Drainage area (Square miles, est.): 91.21

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 5,294

# of structures: 2,652

Critical facilities: 11

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 884.18

Roadway(s) impacted (length): 72.52

Number of low water crossings: 0

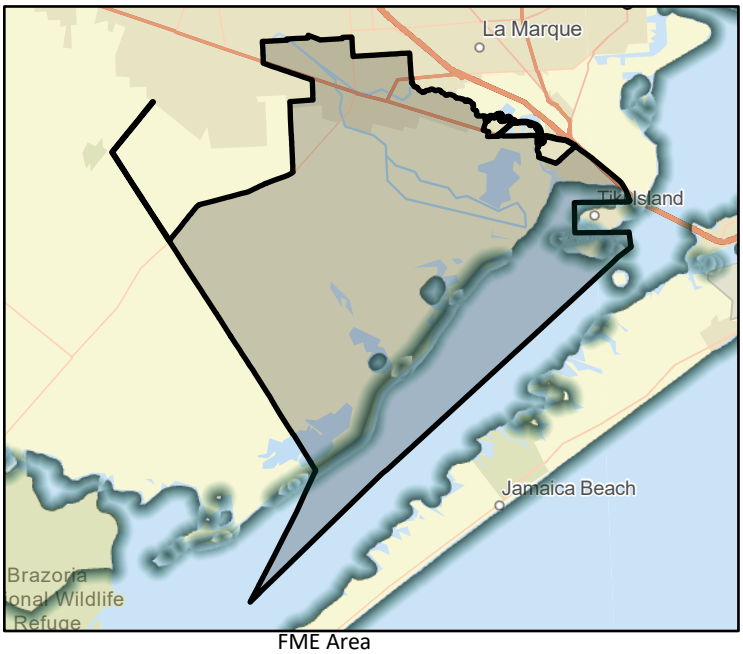
Historical road closures: 0

Estimated Cost and Funding Availability

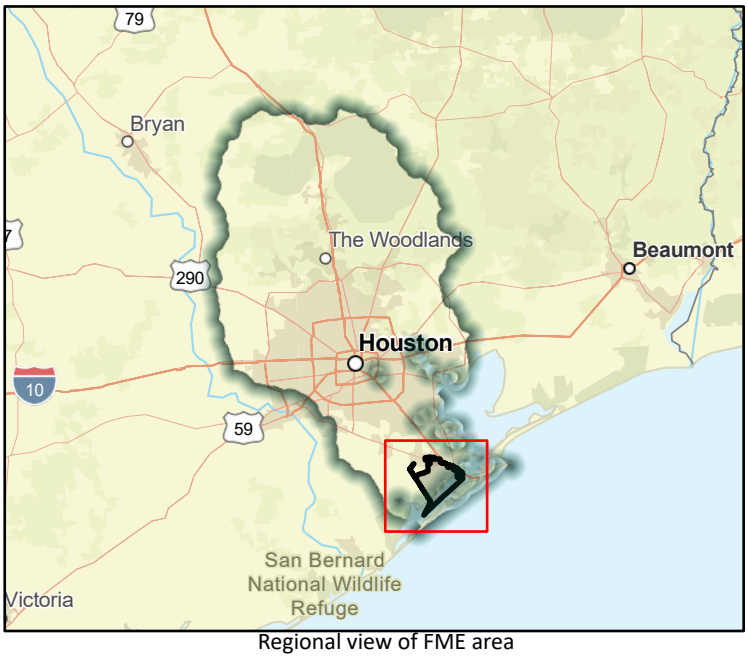
Total Cost: 720,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Humble Master Drainage Plan

ID#: 061000246

Sponsor (name of entity, not person): 06003597

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000024,06000045,06000088

Drainage area (Square miles, est.): 9.79

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 3,460

# of structures: 652

Critical facilities: 5

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 25.14

Roadway(s) impacted (length): 16.96

Number of low water crossings: 1

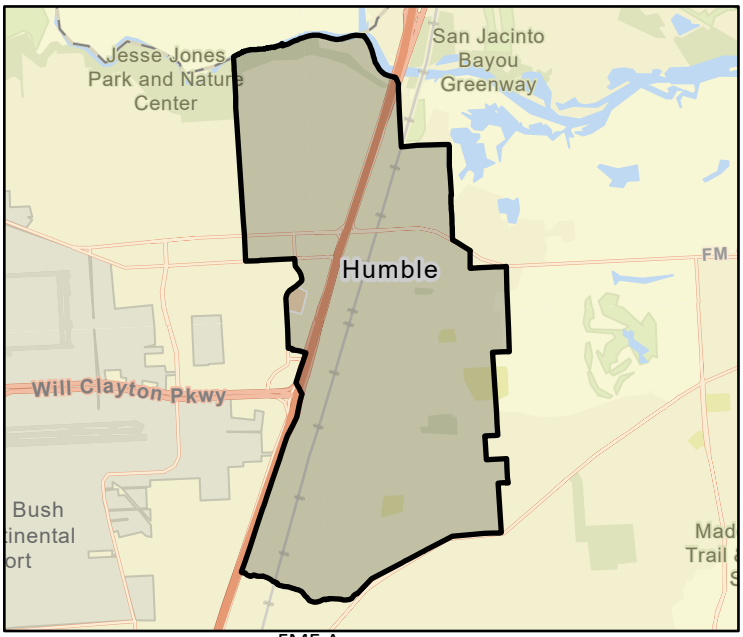
Historical road closures: 1

Estimated Cost and Funding Availability

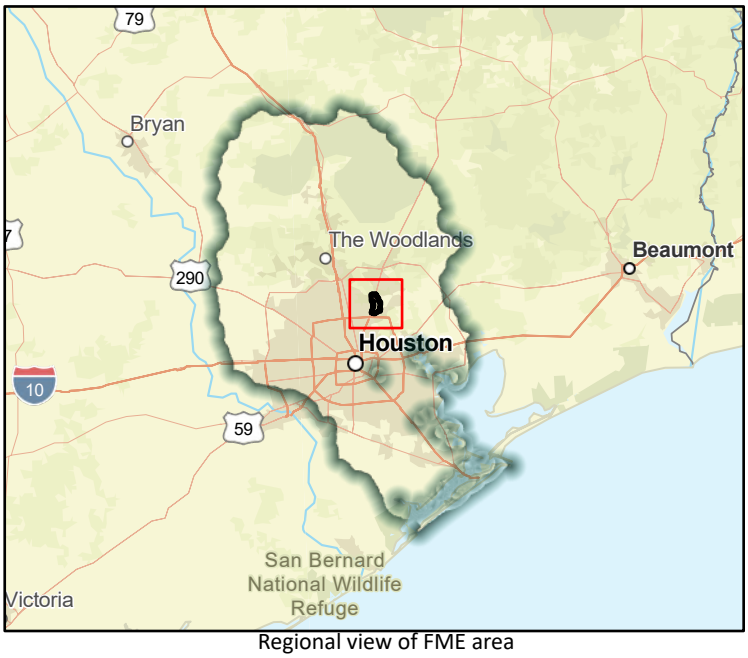
Total Cost: 320,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Hunters Creek Village Master Drainage Plan

ID#: 061000247

Sponsor (name of entity, not person): 06002455

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000080

Drainage area (Square miles, est.): 1.95

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 345

# of structures: 108

Critical facilities: 1

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 1.17

Number of low water crossings: 0

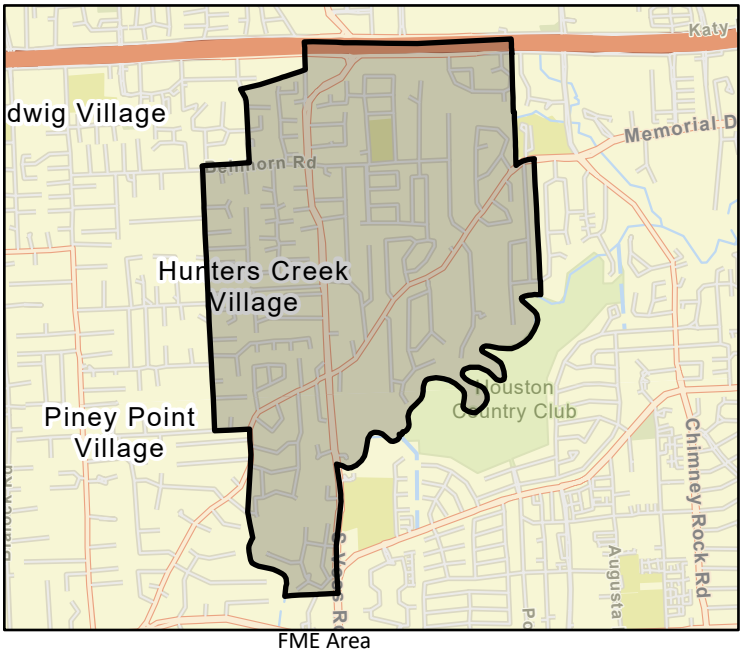
Historical road closures: 0

Estimated Cost and Funding Availability

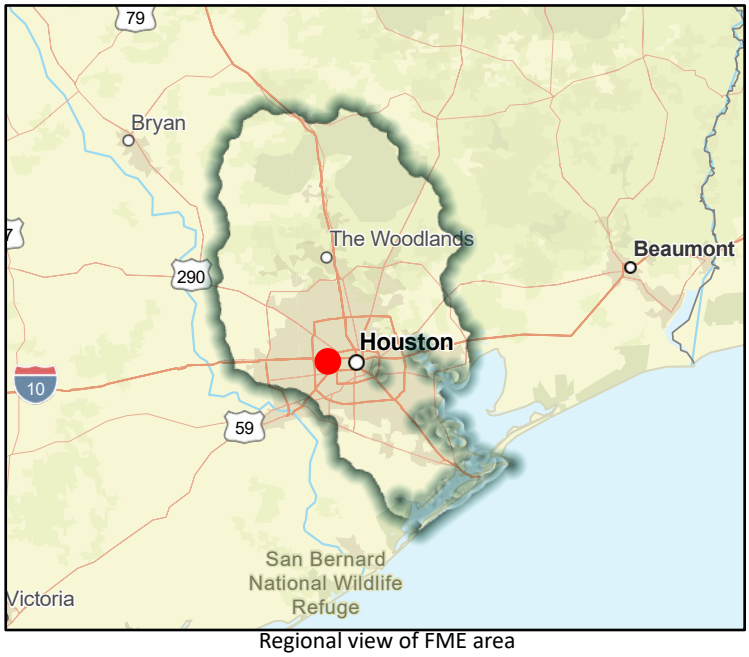
Total Cost: 190,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Huntsville Master Drainage Plan

ID#: 061000248

Sponsor (name of entity, not person): 00002584

RFPG recommend? Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model? Yes

Emergency Need? Yes

Existing/Anticipated models in near term? No

County: Walker

Watershed HUC# (if known): 06000004,06000002,06000005,06000006,06000062

Drainage area (Square miles, est.): 43.24

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 244

# of structures: 114

Critical facilities: 0

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 9.27

Roadway(s) impacted (length): 2.70

Number of low water crossings: 1

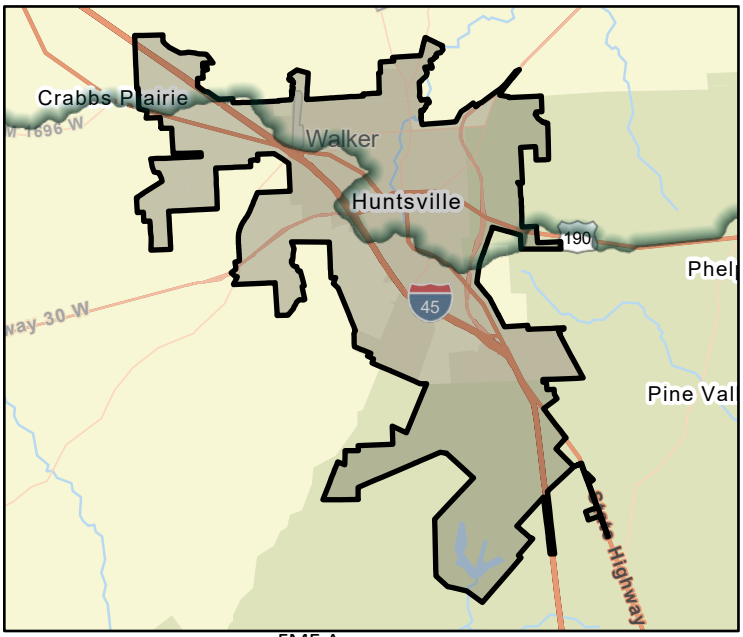
Historical road closures: 1

Estimated Cost and Funding Availability

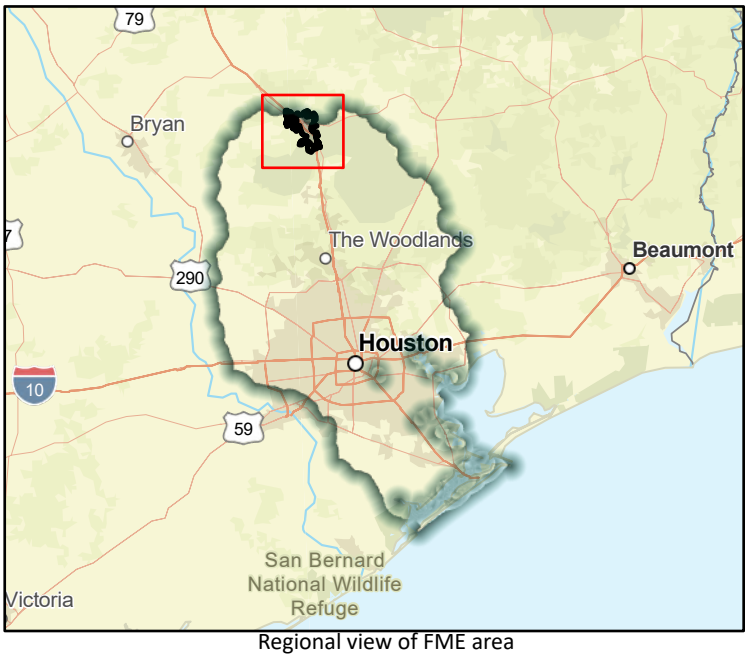
Total Cost: 500,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Iowa Colony Master Drainage Plan

ID#: 061000249

Sponsor (name of entity, not person): 06002993

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Brazoria

Watershed HUC# (if known): 06000109

Drainage area (Square miles, est.): 9.42

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,271

# of structures: 1,162

Critical facilities: 1

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 338.53

Roadway(s) impacted (length): 28.47

Number of low water crossings: 0

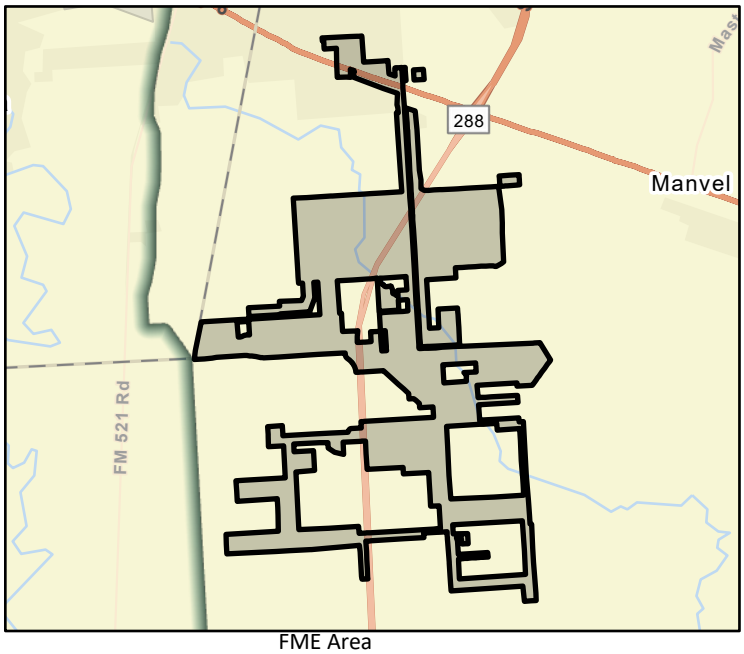
Historical road closures: 0

Estimated Cost and Funding Availability

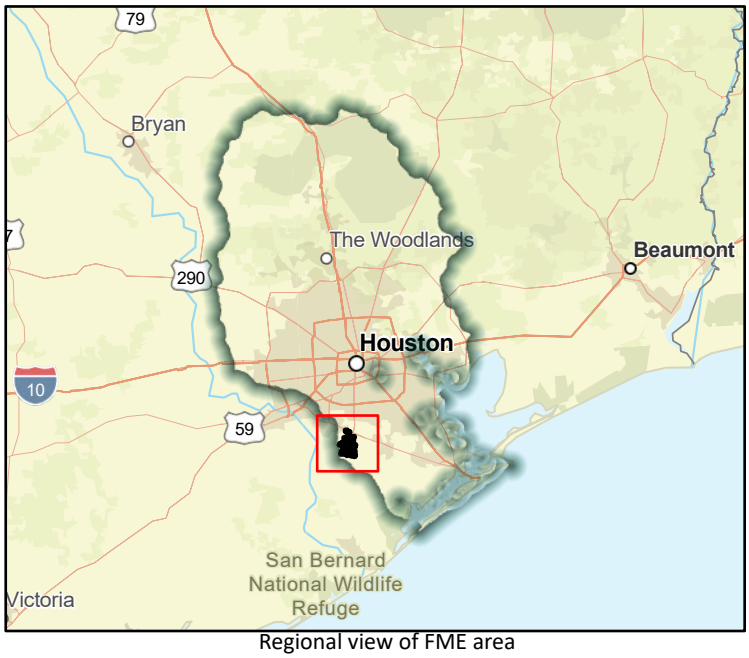
Total Cost: 310,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Jacinto City Master Drainage Plan

ID#: 061000250

Sponsor (name of entity, not person): 06002456

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000093

Drainage area (Square miles, est.): 1.85

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 28

# of structures: 10

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: Yes

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.14

Number of low water crossings: 0

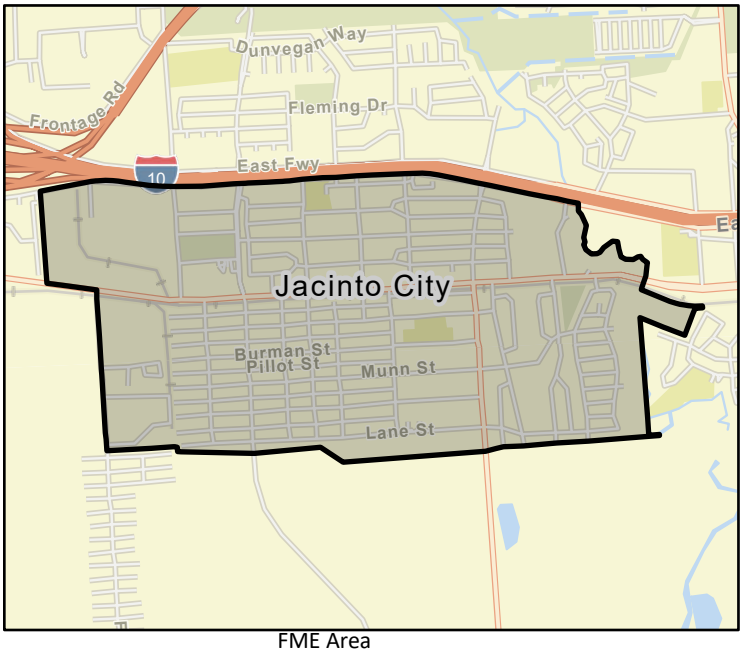
Historical road closures: 0

Estimated Cost and Funding Availability

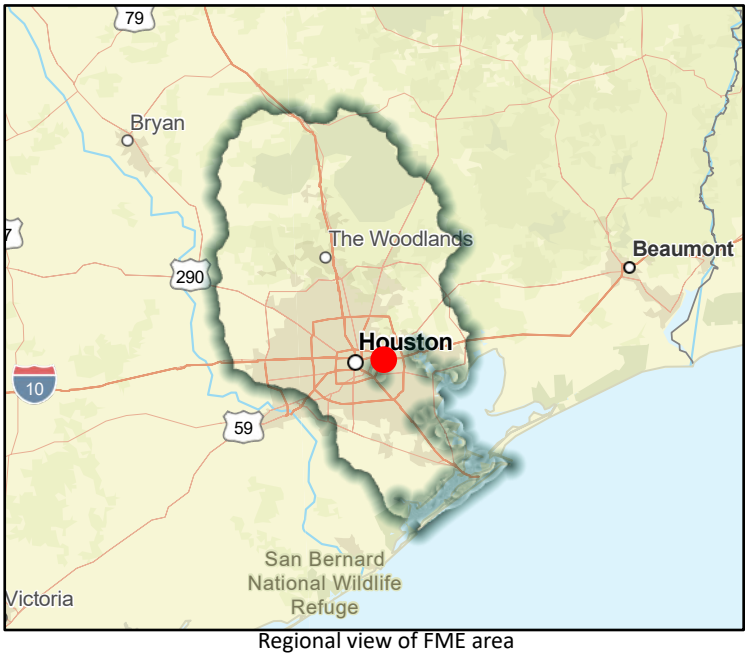
Total Cost: 180,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Jamaica Beach Master Drainage Plan

ID#: 061000251

Sponsor (name of entity, not person): 06002810

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000108

Drainage area (Square miles, est.): 0.71

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 275

# of structures: 1,276

Critical facilities: 4

Flood risk type: Riverine?: Yes

Coastal?: Yes

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 2.83

Roadway(s) impacted (length): 13.81

Number of low water crossings:

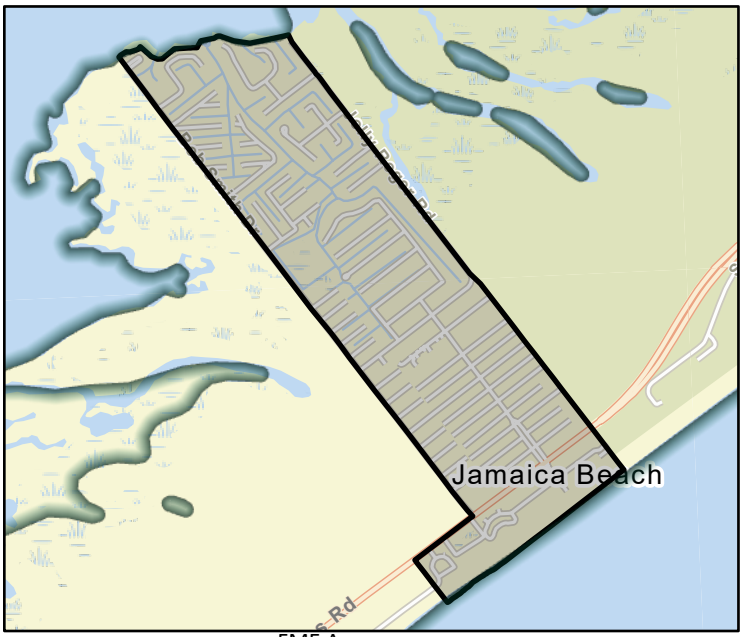
Historical road closures:

Estimated Cost and Funding Availability

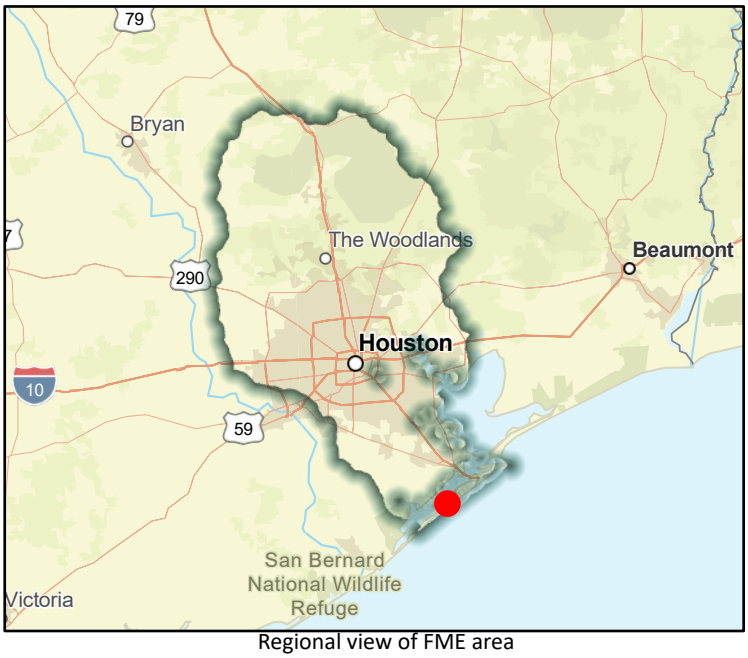
Total Cost: 140,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Katy Master Drainage Plan

ID#: 061000253

Sponsor (name of entity, not person): 06002794

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Fort Bend,Harris,Waller

Watershed HUC# (if known): 06000072,06000073,06000074,06000071,06000077

Drainage area (Square miles, est.): 14.52

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,445

# of structures: 545

Critical facilities: 8

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 21.66

Roadway(s) impacted (length): 10.03

Number of low water crossings: 4

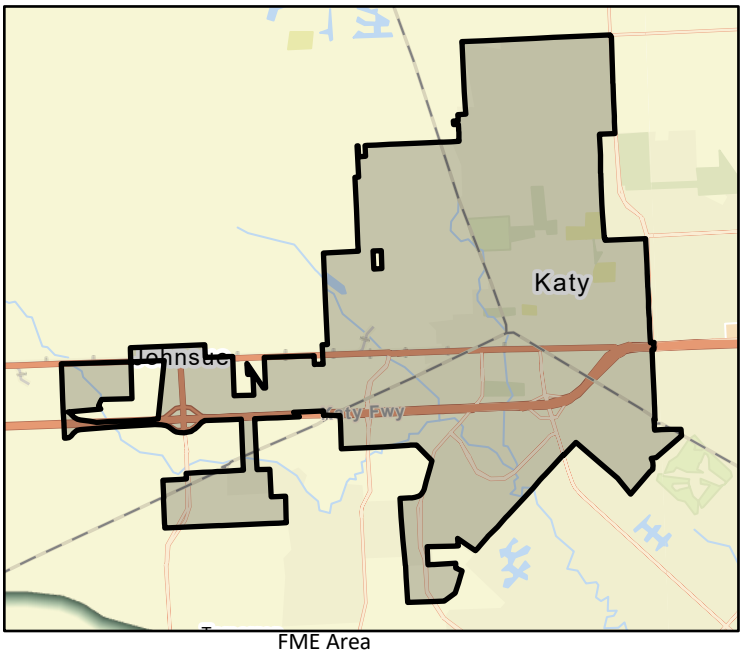
Historical road closures: 4

Estimated Cost and Funding Availability

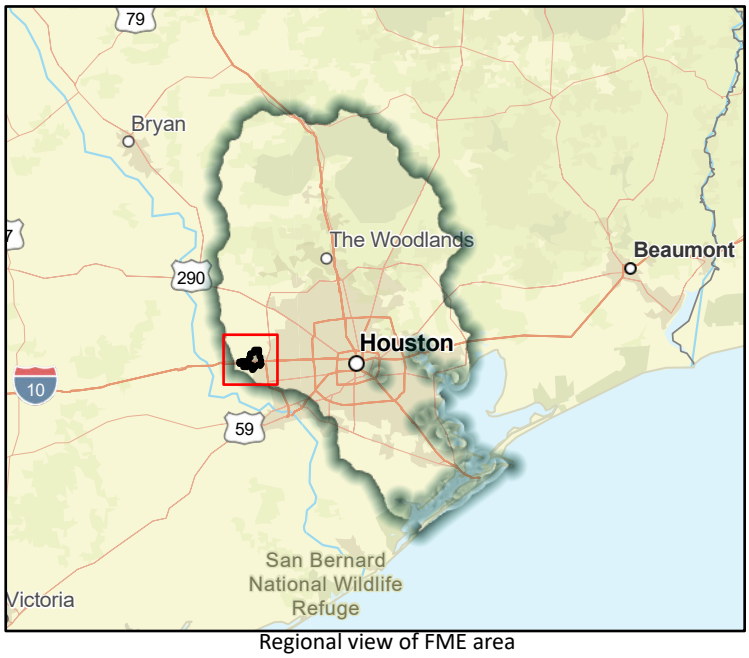
Total Cost: 360,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Kemah Master Drainage Plan

ID#: 061000254

Sponsor (name of entity, not person): 06003396

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Galveston,Chambers

Watershed HUC# (if known): 06000107,06000106

Drainage area (Square miles, est.): 1.91

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,792

# of structures: 562

Critical facilities: 7

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.73

Roadway(s) impacted (length): 12.01

Number of low water crossings:

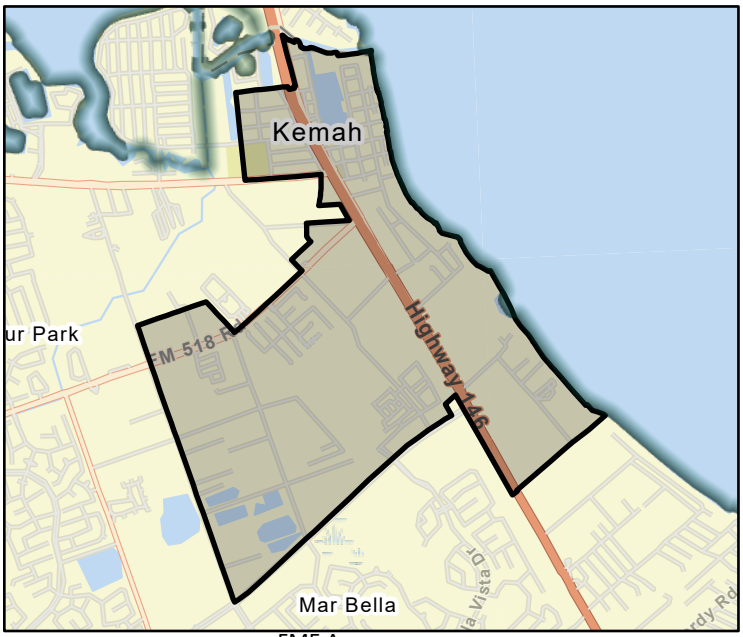
Historical road closures:

Estimated Cost and Funding Availability

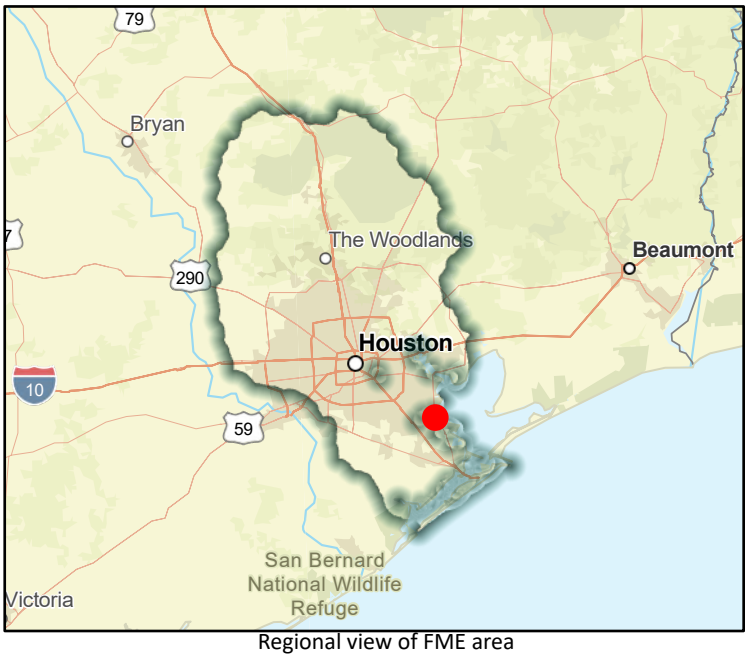
Total Cost: 190,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of La Marque Master Drainage Plan

ID#: 061000255

Sponsor (name of entity, not person): 06003146

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000107

Drainage area (Square miles, est.): 14.23

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,455

# of structures: 829

Critical facilities: 8

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 37.85

Roadway(s) impacted (length): 31.12

Number of low water crossings: 1

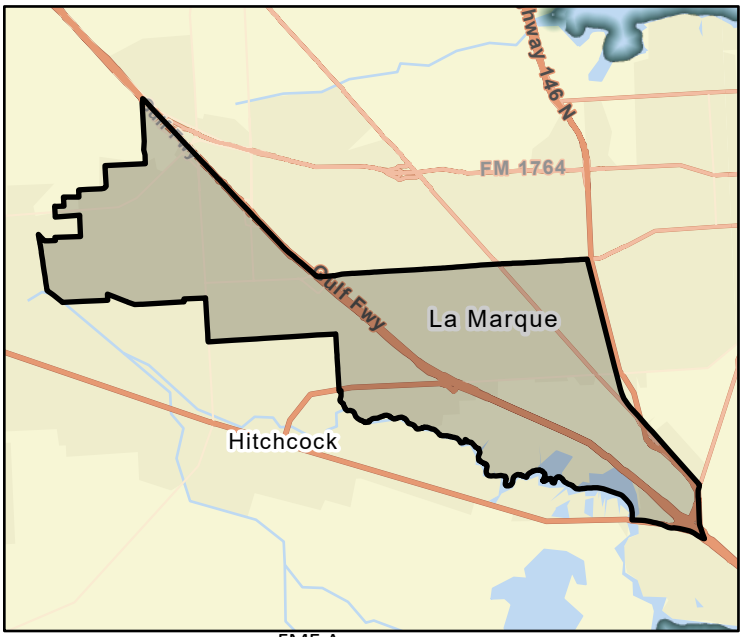
Historical road closures: 1

Estimated Cost and Funding Availability

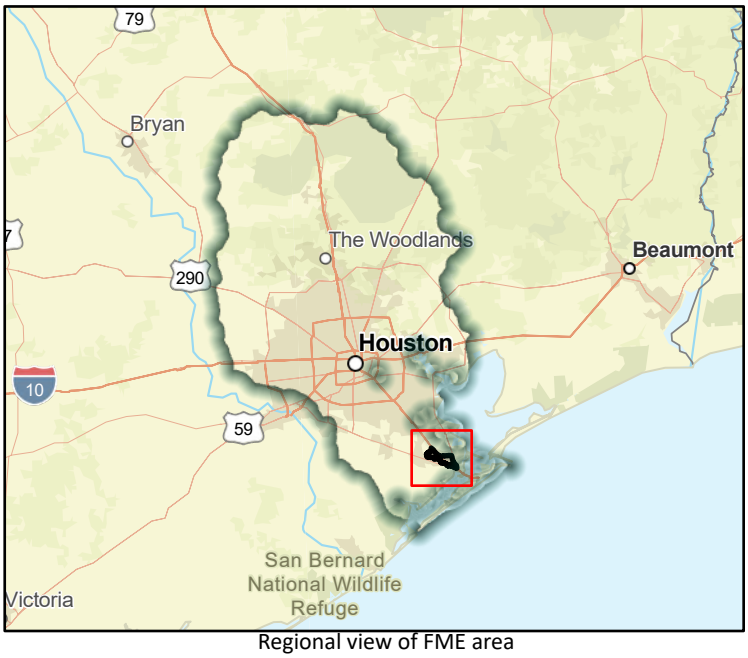
Total Cost: 360,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of La Porte Master Drainage Plan

ID#: 061000256

Sponsor (name of entity, not person): 06002834

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000098,06000106

Drainage area (Square miles, est.): 19.83

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 6,121

# of structures: 2,532

Critical facilities: 32

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 15.27

Roadway(s) impacted (length): 54.14

Number of low water crossings: 0

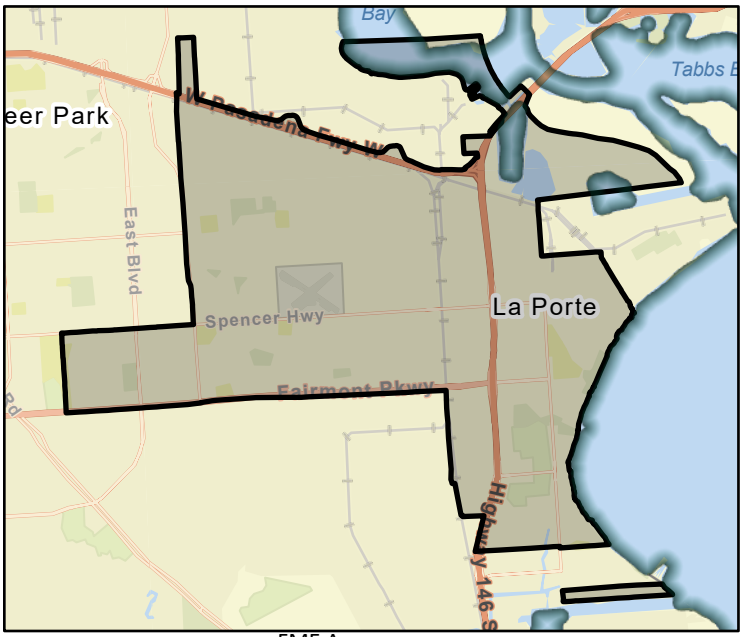
Historical road closures: 0

Estimated Cost and Funding Availability

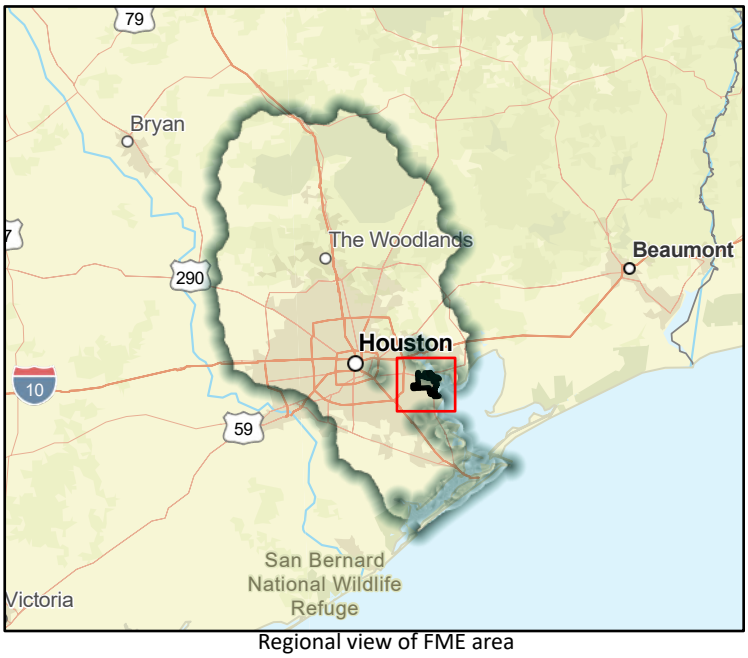
Total Cost: 410,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of League City Master Drainage Plan

ID#: 061000257

Sponsor (name of entity, not person): 06003147

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Project would be a drainage model building off the recently completed CoLC 2-D Drainage Model and expand this model in the City's subdivisions and neighborhoods. It would be intended for this to be done in phases with areas where FEMA has had a high conce

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Galveston,Harris

Watershed HUC# (if known): 06000107,06000106

Drainage area (Square miles, est.): 52.89

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 13,675

# of structures: 5,251

Critical facilities: 25

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1,308.20

Roadway(s) impacted (length): 104.57

Number of low water crossings: 2

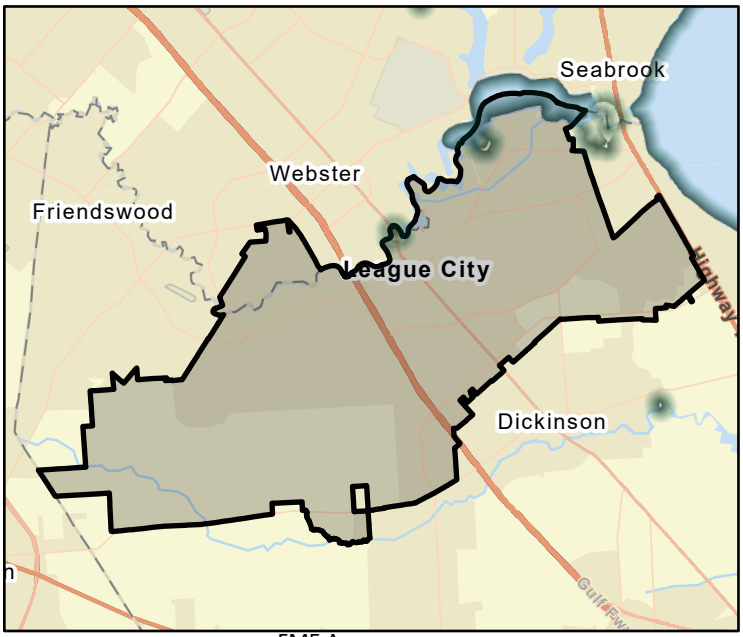
Historical road closures: 2

Estimated Cost and Funding Availability

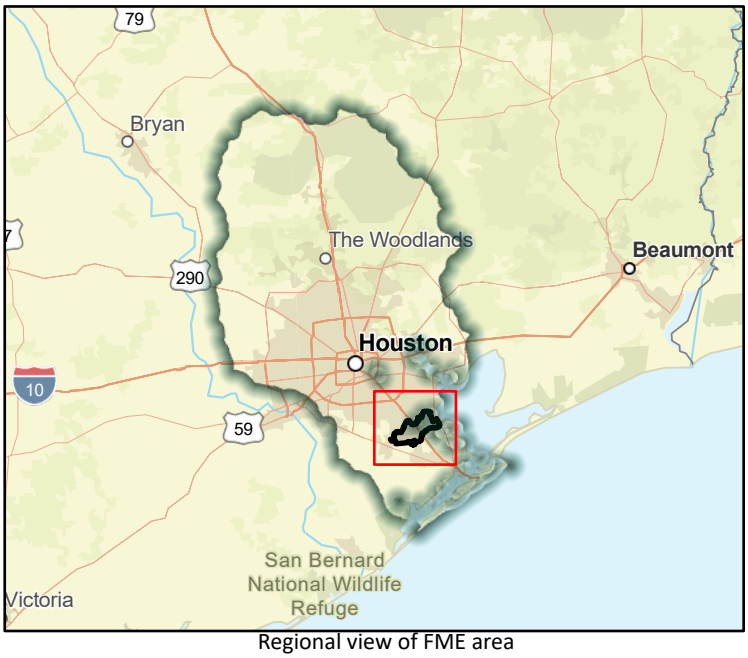
Total Cost: 580,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Liverpool Master Drainage Plan

ID#: 061000258

Sponsor (name of entity, not person): 06003027

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Brazoria

Watershed HUC# (if known): 06000109

Drainage area (Square miles, est.): 1.09

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 103

# of structures: 130

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 5.30

Roadway(s) impacted (length): 3.33

Number of low water crossings: 0

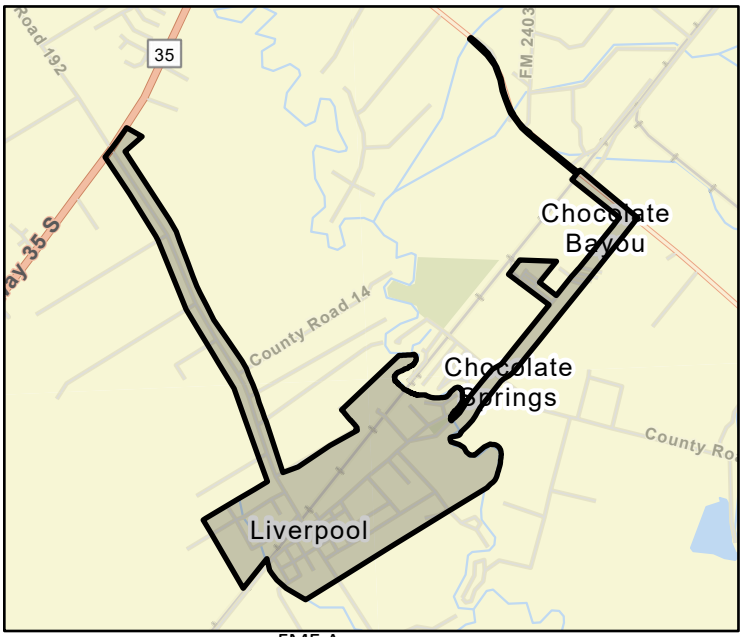
Historical road closures: 0

Estimated Cost and Funding Availability

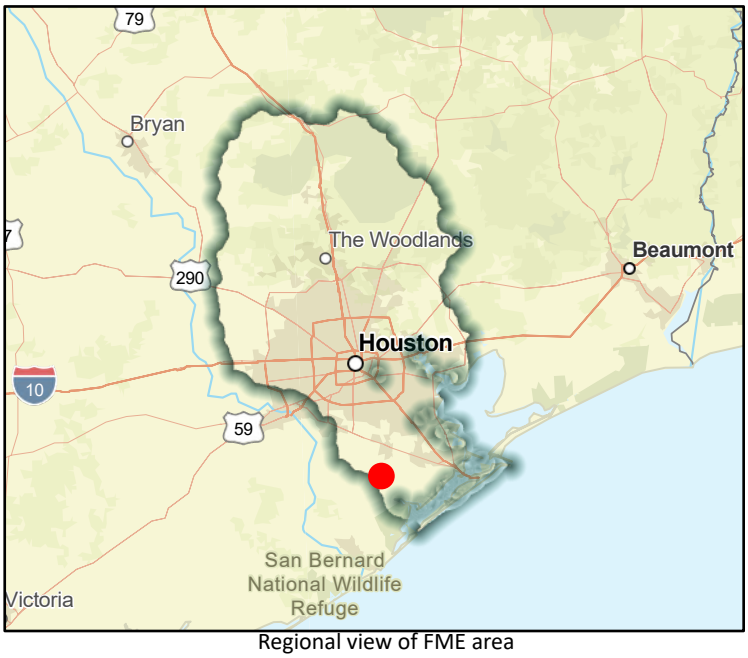
Total Cost: 160,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Magnolia Master Drainage Plan

ID#: 061000259

Sponsor (name of entity, not person): 06002534

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Montgomery

Watershed HUC# (if known): 06000036,06000039,06000040

Drainage area (Square miles, est.): 2.87

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 60

# of structures: 23

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.43

Roadway(s) impacted (length): 0.57

Number of low water crossings: 0

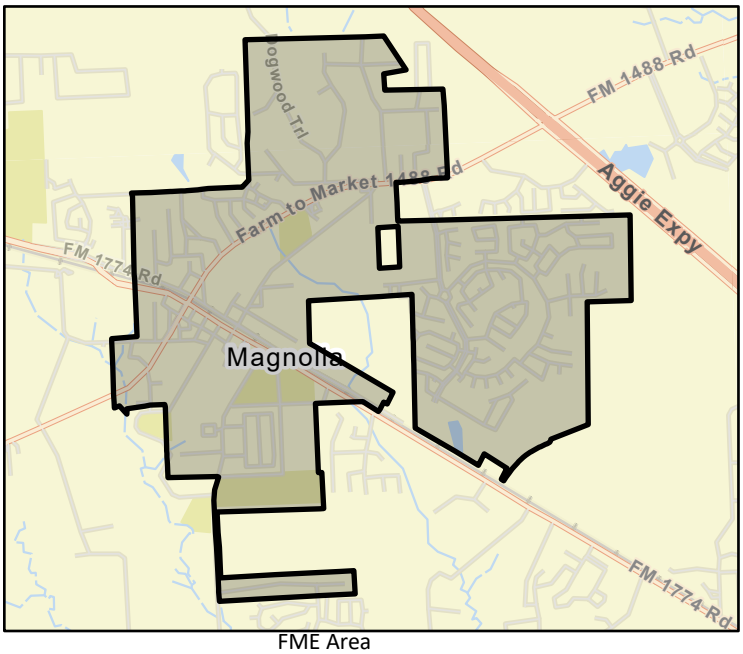
Historical road closures: 0

Estimated Cost and Funding Availability

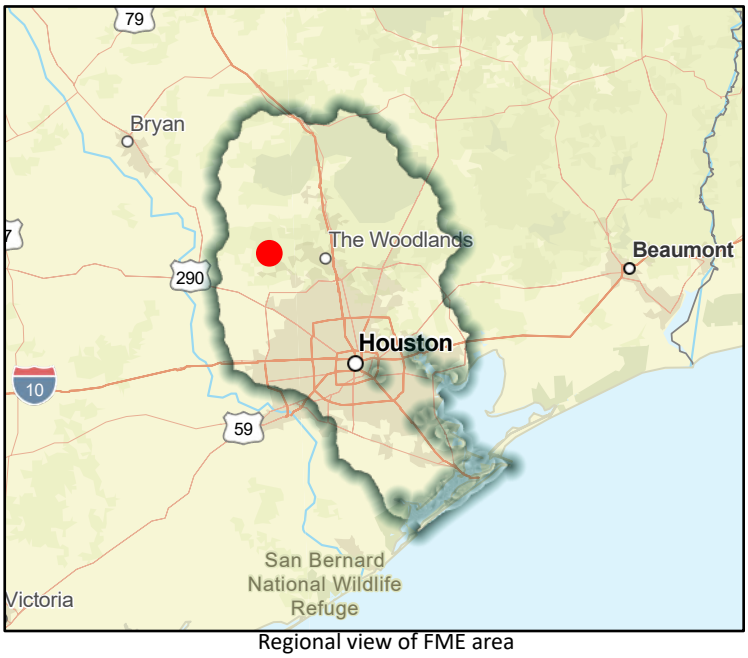
Total Cost: 210,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Manvel Master Drainage Plan

ID#: 061000260

Sponsor (name of entity, not person): 06002985

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Brazoria

Watershed HUC# (if known): 06000107,06000109,06000106

Drainage area (Square miles, est.): 27.41

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 6,741

# of structures: 1,249

Critical facilities: 8

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 178.81

Roadway(s) impacted (length): 43.32

Number of low water crossings: 0

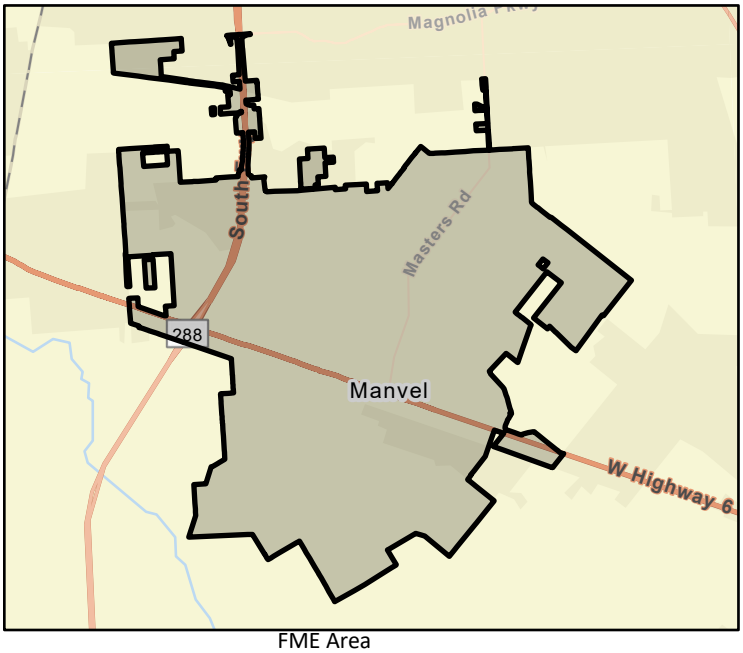
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 460,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Meadows Place Master Drainage Plan

ID#: 061000261

Sponsor (name of entity, not person): 06002934

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Fort Bend

Watershed HUC# (if known): 06000083

Drainage area (Square miles, est.): 0.93

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures: 0

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.01

Number of low water crossings:

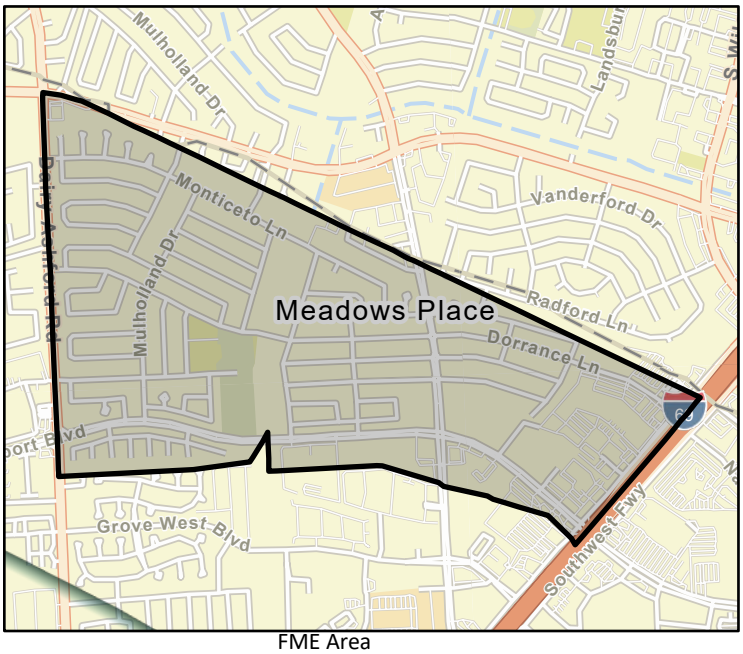
Historical road closures:

Estimated Cost and Funding Availability

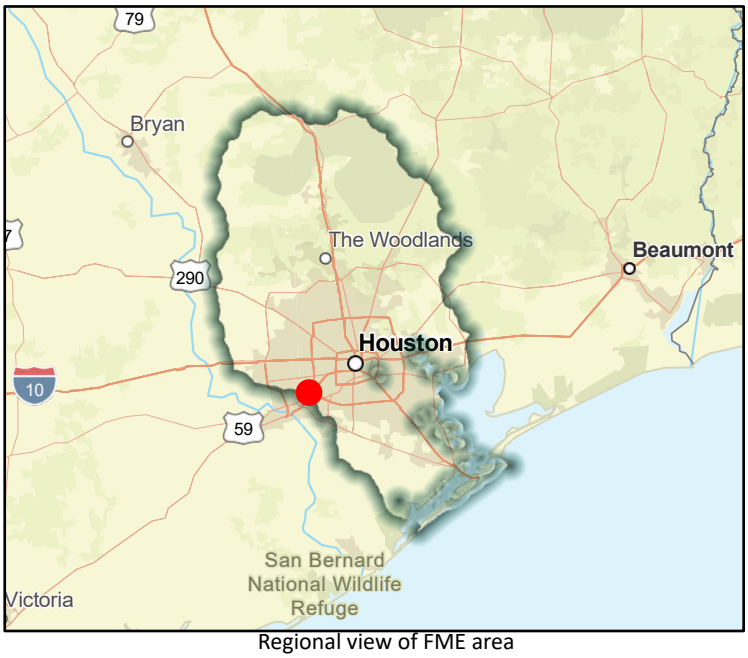
Total Cost: 150,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Missouri City Master Drainage Plan

ID#: 061000262

Sponsor (name of entity, not person): 00002789

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Fort Bend,Harris

Watershed HUC# (if known): 06000083,06000085,06000109

Drainage area (Square miles, est.): 30.29

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 854

# of structures: 213

Critical facilities: 1

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 2.09

Roadway(s) impacted (length): 2.62

Number of low water crossings: 0

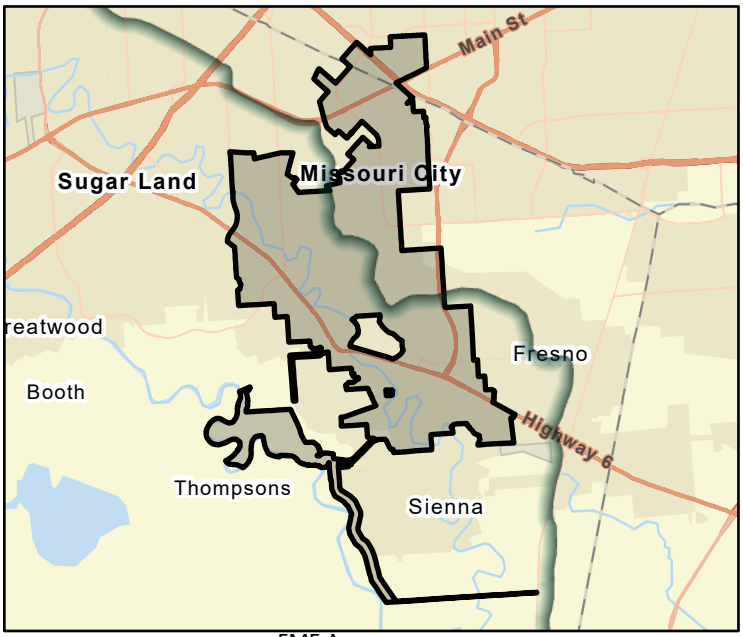
Historical road closures: 0

Estimated Cost and Funding Availability

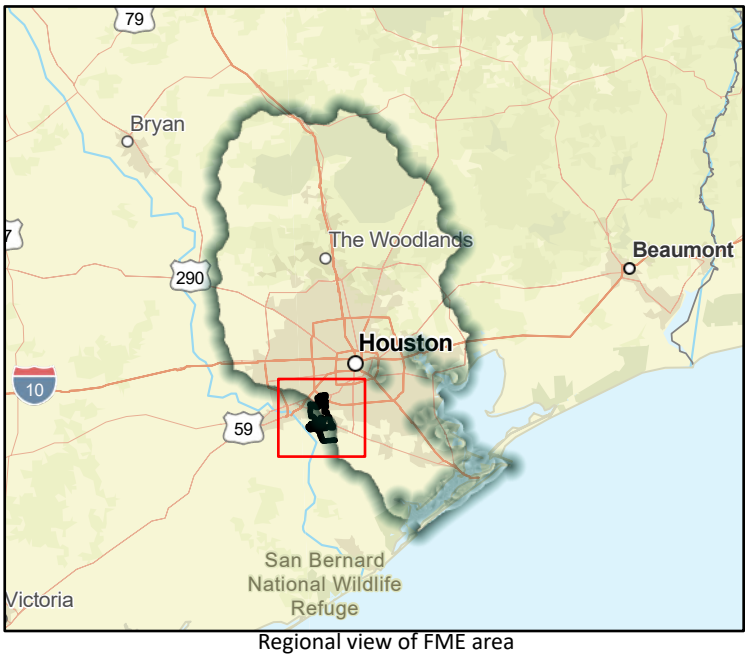
Total Cost: 470,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Mont Belvieu Master Drainage Plan

ID#: 061000263

Sponsor (name of entity, not person): 00003573

RFPG recommend? Yes | Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model? Yes | Emergency Need? No | Existing/Anticipated models in near term? No

County: Chambers,Harris,Liberty | Watershed HUC# (if known): 06000103,06000102

Drainage area (Square miles, est.): 17.20 | Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 18 | # of structures: 30 | Critical facilities: 0

Flood risk type: Riverine? Yes | Coastal? Yes | Local? No | Playa? No | Other? No

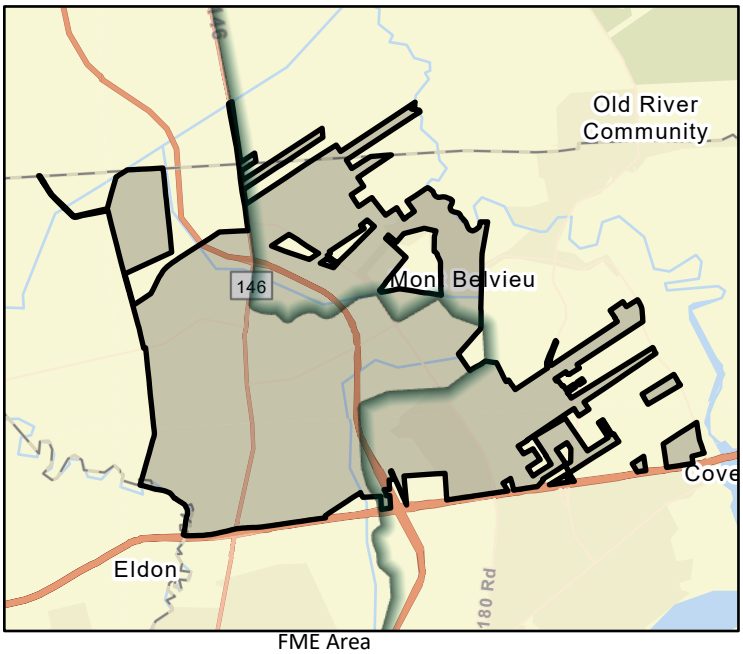
Farm/Ranch land impacted (acres): 5.10 | Roadway(s) impacted (length): 1.55

Number of low water crossings: 0 | Historical road closures: 0

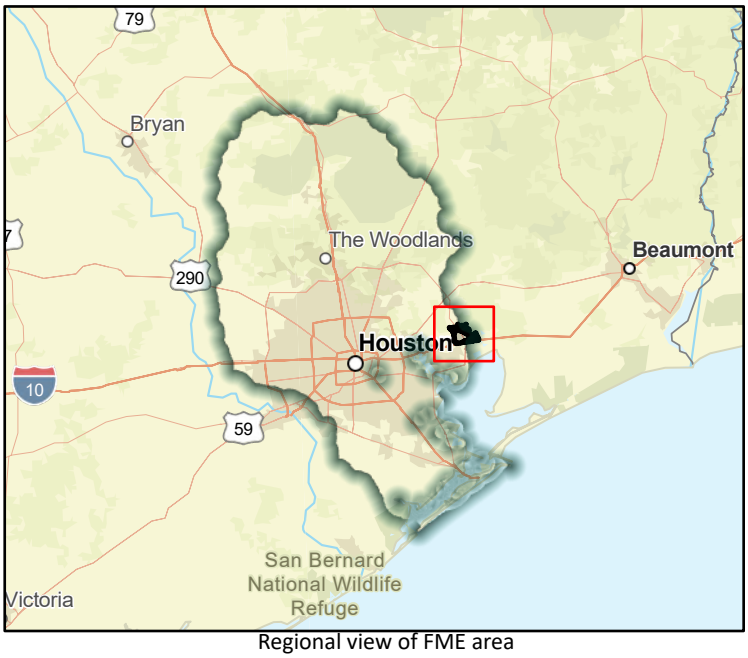
Estimated Cost and Funding Availability

Total Cost: 390,000.00 | Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Montgomery Master Drainage Plan

ID#: 061000264

Sponsor (name of entity, not person): 06003268

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Montgomery

Watershed HUC# (if known): 06000018,06000010

Drainage area (Square miles, est.): 5.10

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 7

# of structures: 27

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 2.73

Roadway(s) impacted (length): 0.87

Number of low water crossings: 0

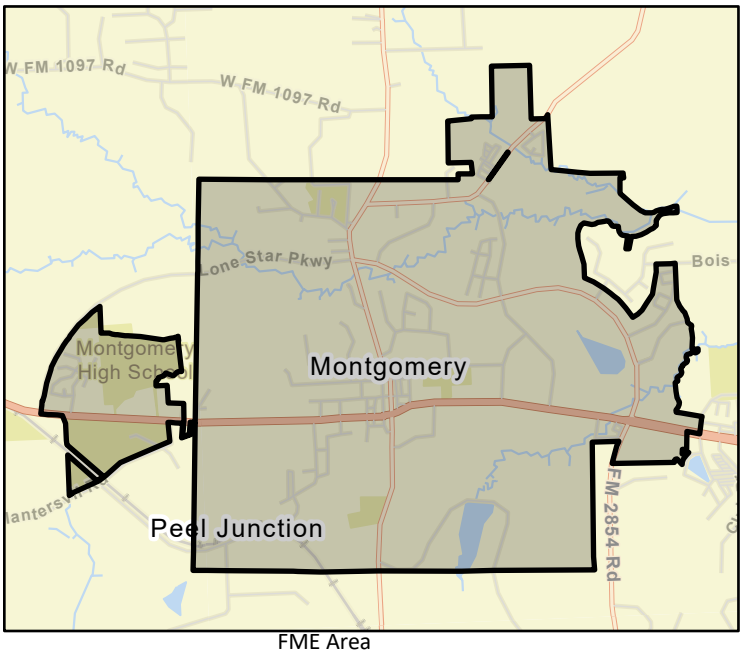
Historical road closures: 0

Estimated Cost and Funding Availability

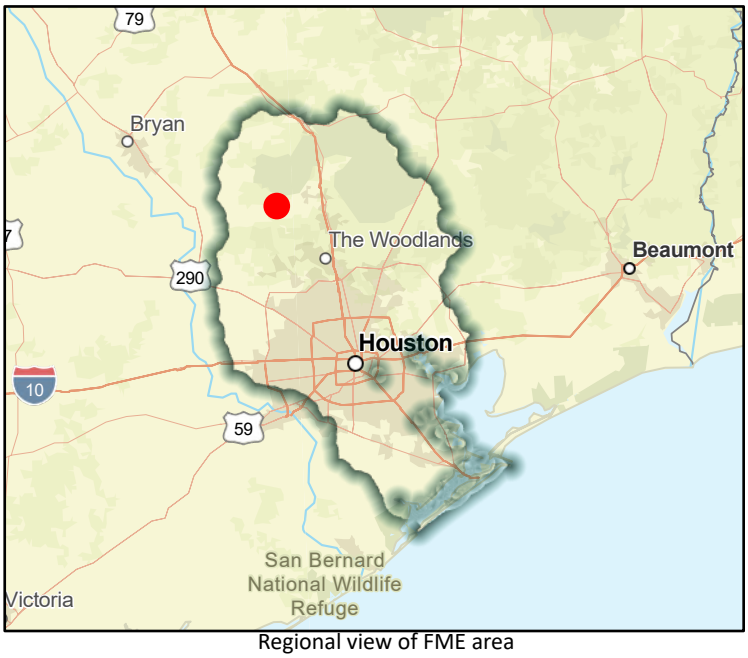
Total Cost: 250,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Morgan's Point Master Drainage Plan

ID#: 061000265

Sponsor (name of entity, not person): 06002493

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Chambers,Harris

Watershed HUC# (if known): 06000098,06000106

Drainage area (Square miles, est.): 2.22

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 249

# of structures: 48

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1.01

Roadway(s) impacted (length): 0.08

Number of low water crossings: 0

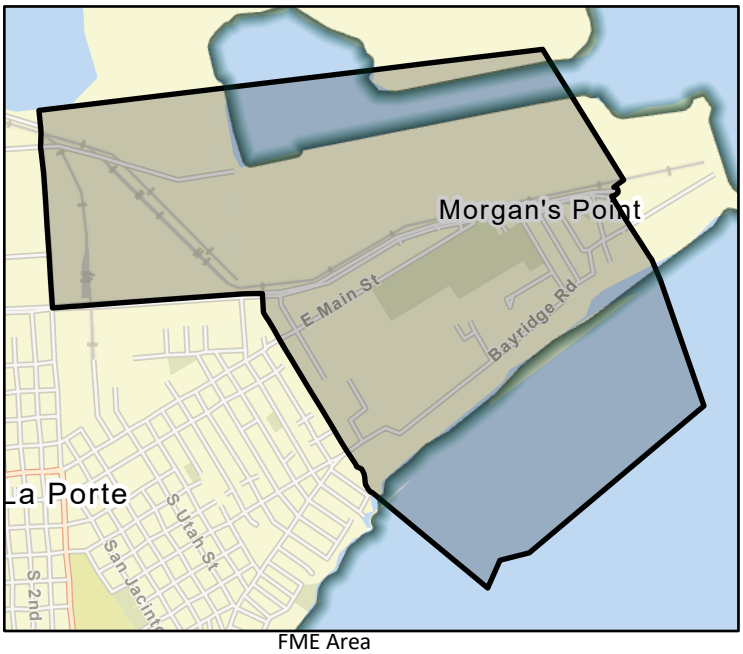
Historical road closures: 0

Estimated Cost and Funding Availability

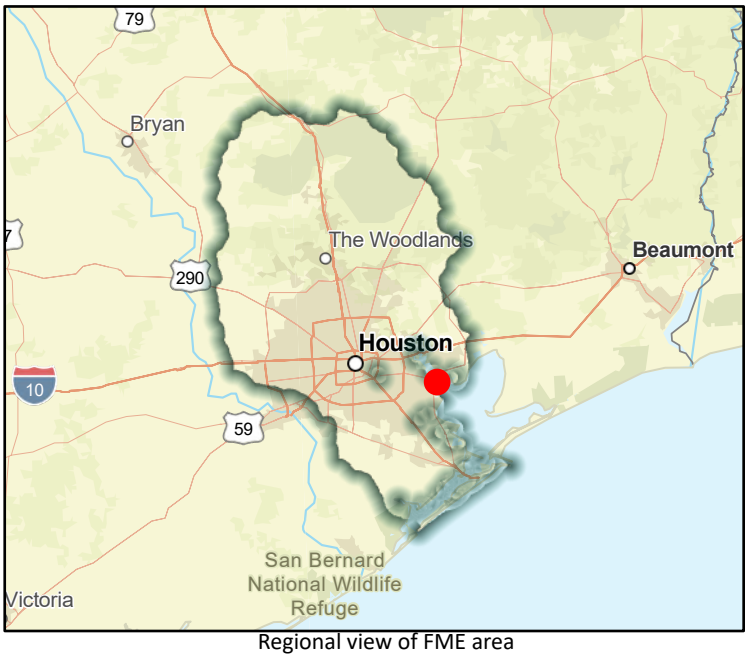
Total Cost: 190,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Nassau Bay Master Drainage Plan

ID#: 061000266

Sponsor (name of entity, not person): 06002494

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Galveston,Harris

Watershed HUC# (if known): 06000106

Drainage area (Square miles, est.): 1.74

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 5,328

# of structures: 1,021

Critical facilities: 18

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.51

Roadway(s) impacted (length): 17.53

Number of low water crossings: 0

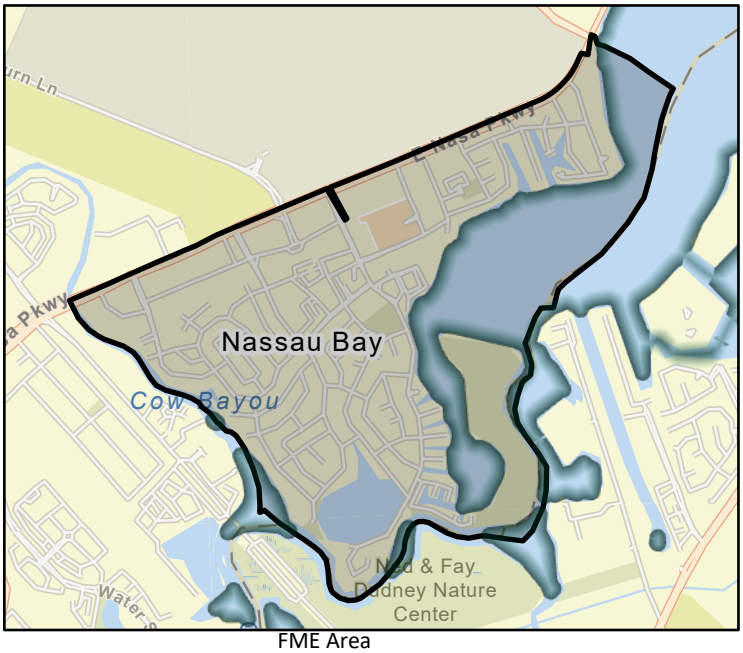
Historical road closures: 0

Estimated Cost and Funding Availability

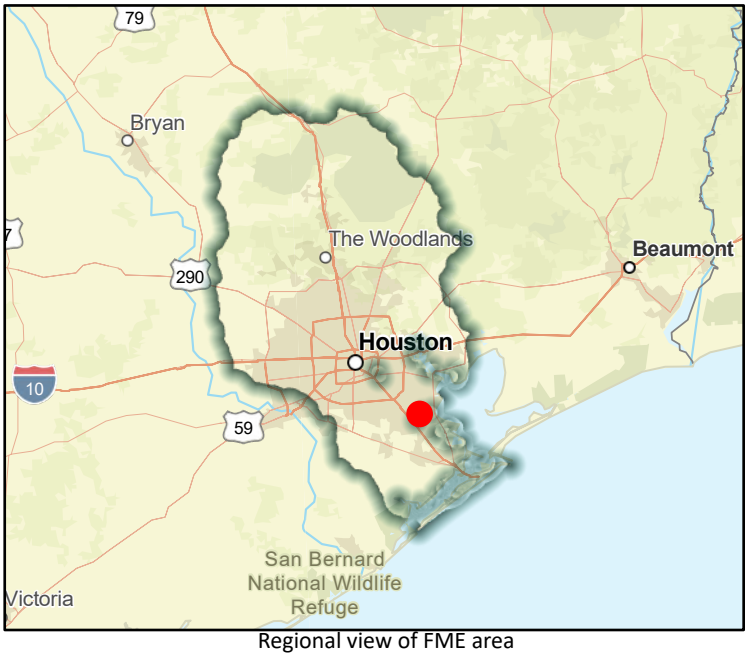
Total Cost: 180,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of New Waverly Master Drainage Plan

ID#: 061000267

Sponsor (name of entity, not person): 06003391

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Walker

Watershed HUC# (if known): 06000046

Drainage area (Square miles, est.): 2.21

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 19

# of structures: 23

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.89

Roadway(s) impacted (length): 0.48

Number of low water crossings: 0

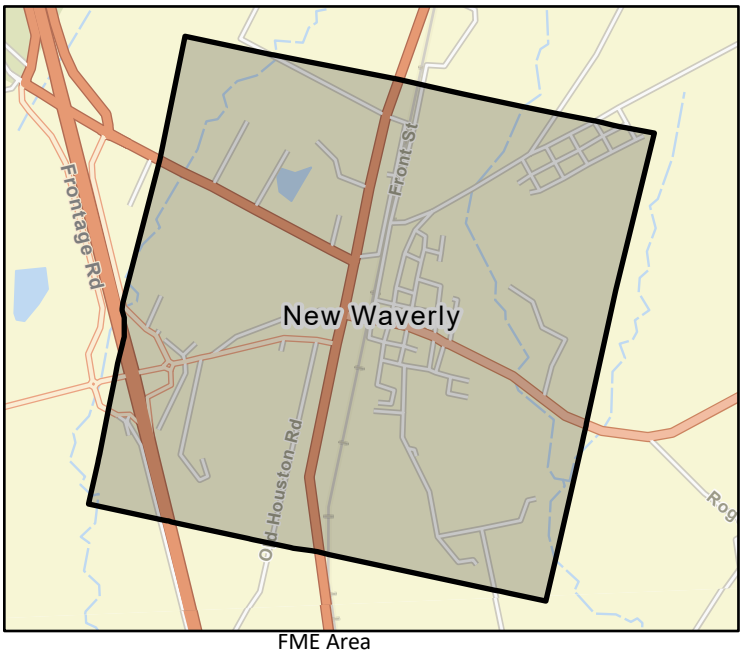
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 190,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of North Cleveland Master Drainage Plan

ID#: 061000268

Sponsor (name of entity, not person): 06002646

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Liberty

Watershed HUC# (if known): 06000056,06000069

Drainage area (Square miles, est.): 1.91

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 42

# of structures: 52

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 6.18

Roadway(s) impacted (length): 3.31

Number of low water crossings:

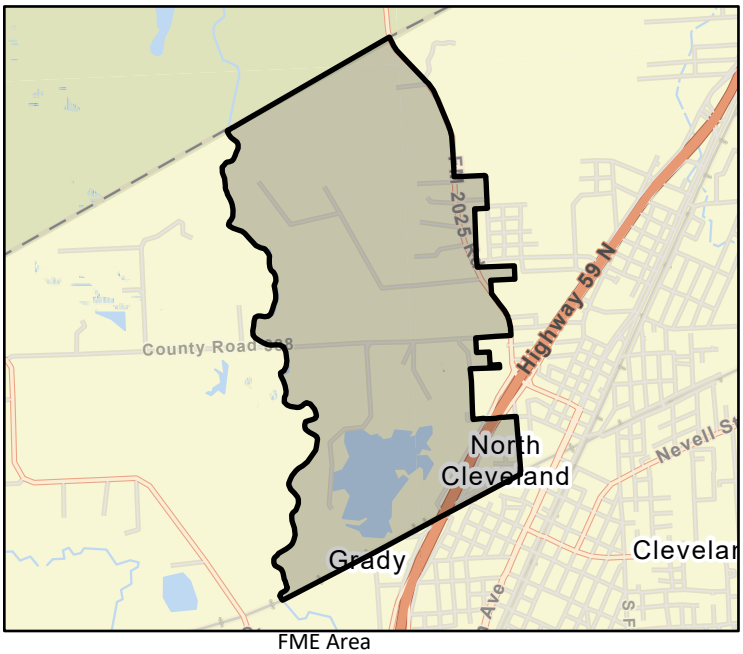
Historical road closures:

Estimated Cost and Funding Availability

Total Cost: 190,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Oak Ridge North Master Drainage Plan

ID#: 061000269

Sponsor (name of entity, not person): 06002535

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Montgomery

Watershed HUC# (if known): 06000023,06000044

Drainage area (Square miles, est.): 1.44

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 426

# of structures: 85

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 1.04

Number of low water crossings: 0

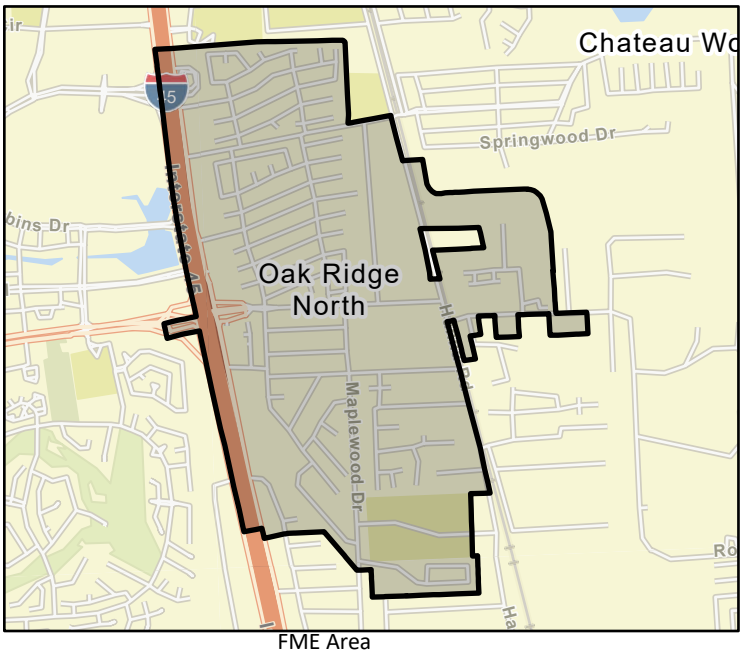
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 170,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Panorama Village Master Drainage Plan

ID#: 061000270

Sponsor (name of entity, not person): 06002536

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Montgomery

Watershed HUC# (if known): 06000011,06000020

Drainage area (Square miles, est.): 1.09

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 126

# of structures: 77

Critical facilities: 7

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.23

Roadway(s) impacted (length): 0.66

Number of low water crossings: 0

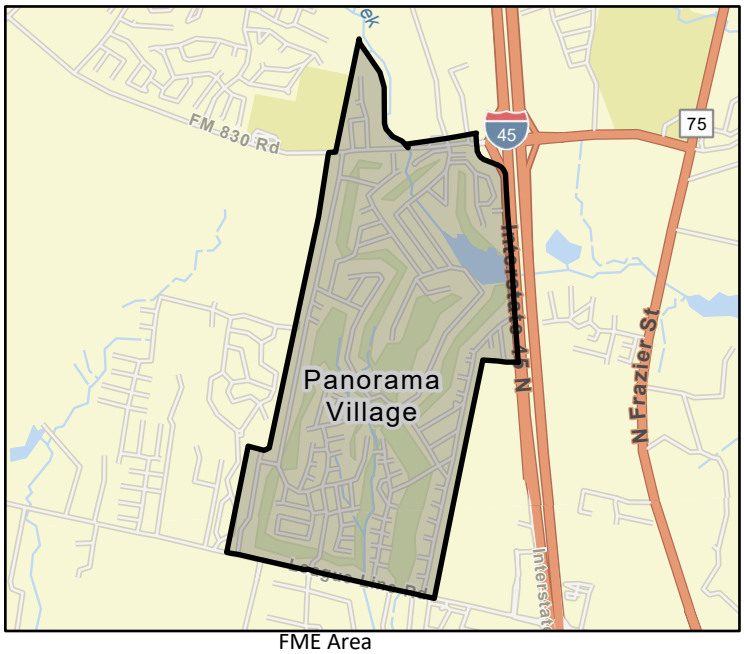
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 160,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Pasadena Master Drainage Plan

ID#: 061000271

Sponsor (name of entity, not person): 06003307

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Chambers,Harris

Watershed HUC# (if known): 06000095,06000086,06000106

Drainage area (Square miles, est.): 44.58

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 18,187

# of structures: 3,591

Critical facilities: 56

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 81.95

Roadway(s) impacted (length): 73.85

Number of low water crossings: 6

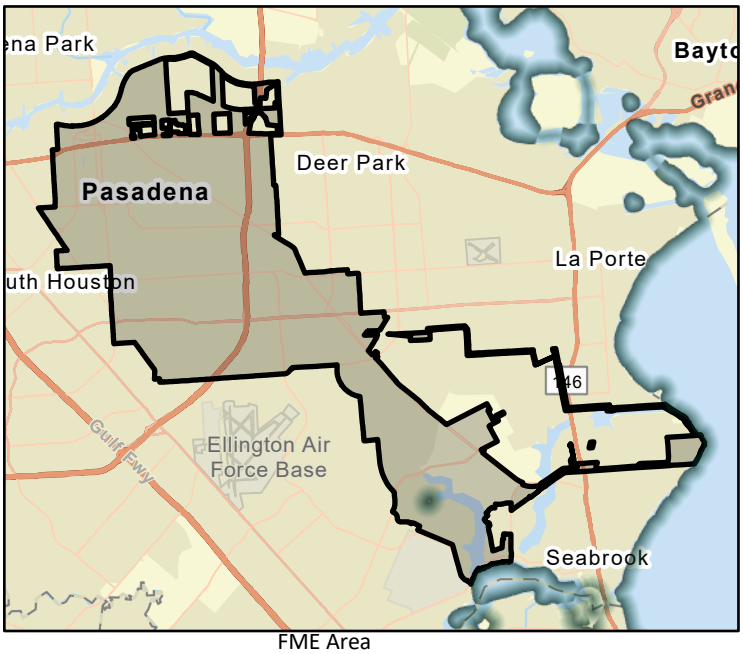
Historical road closures: 6

Estimated Cost and Funding Availability

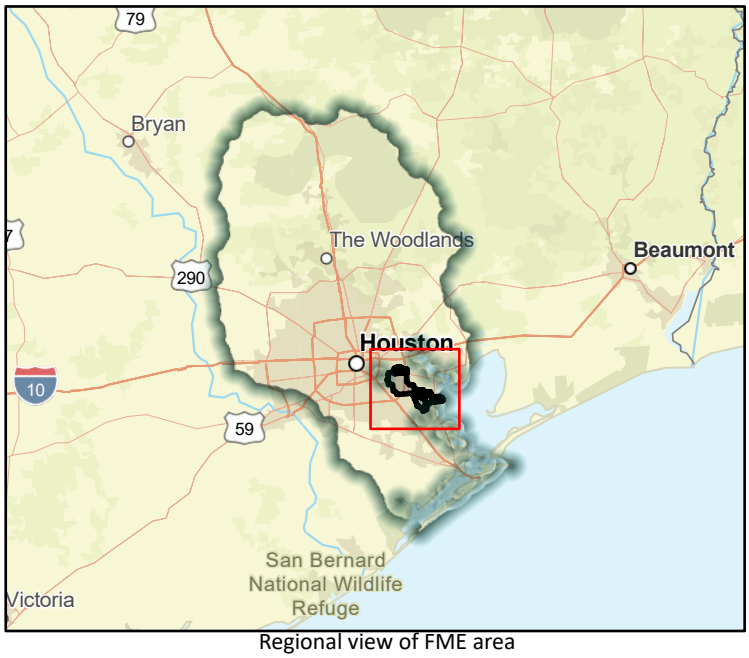
Total Cost: 550,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Patton Village Master Drainage Plan

ID#: 061000272

Sponsor (name of entity, not person): 06002419

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Montgomery

Watershed HUC# (if known): 06000054,06000070

Drainage area (Square miles, est.): 2.40

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 532

# of structures: 441

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 4.10

Roadway(s) impacted (length): 14.43

Number of low water crossings: 0

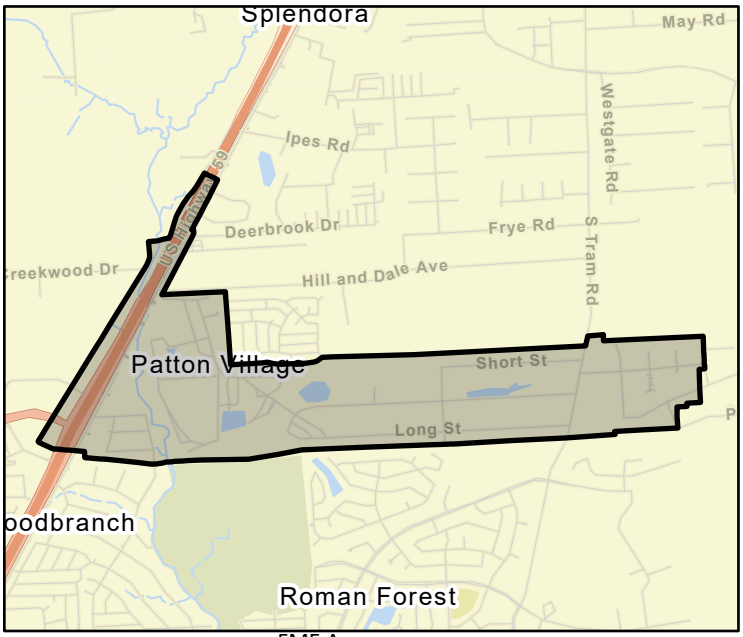
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 200,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Piney Point Village Master Drainage Plan

ID#: 061000274

Sponsor (name of entity, not person): 06002495

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000080

Drainage area (Square miles, est.): 2.13

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 765

# of structures: 129

Critical facilities: 1

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.41

Roadway(s) impacted (length): 1.28

Number of low water crossings: 0

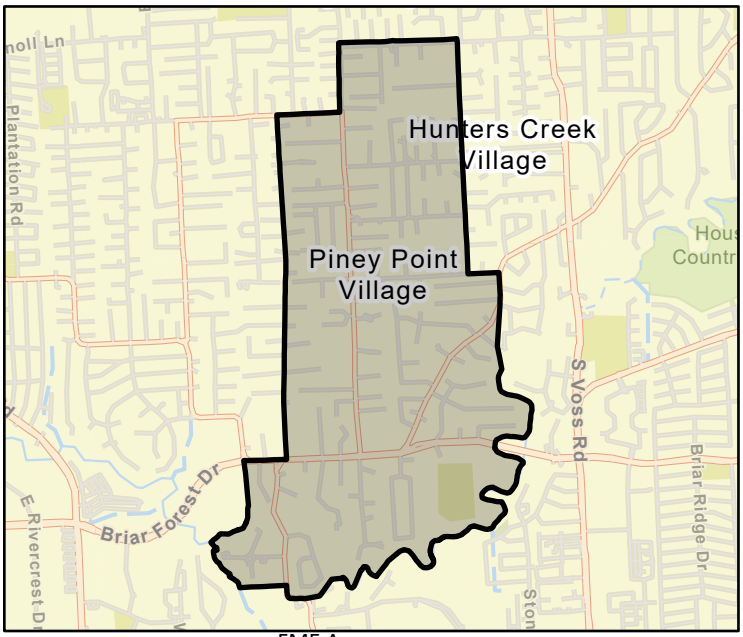
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 190,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Plantersville Master Drainage Plan

ID#: 061000275

Sponsor (name of entity, not person): 06002950

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Grimes

Watershed HUC# (if known): 06000016,06000017,06000038

Drainage area (Square miles, est.): 1.98

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 20

# of structures: 28

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.95

Roadway(s) impacted (length): 0.61

Number of low water crossings: 0

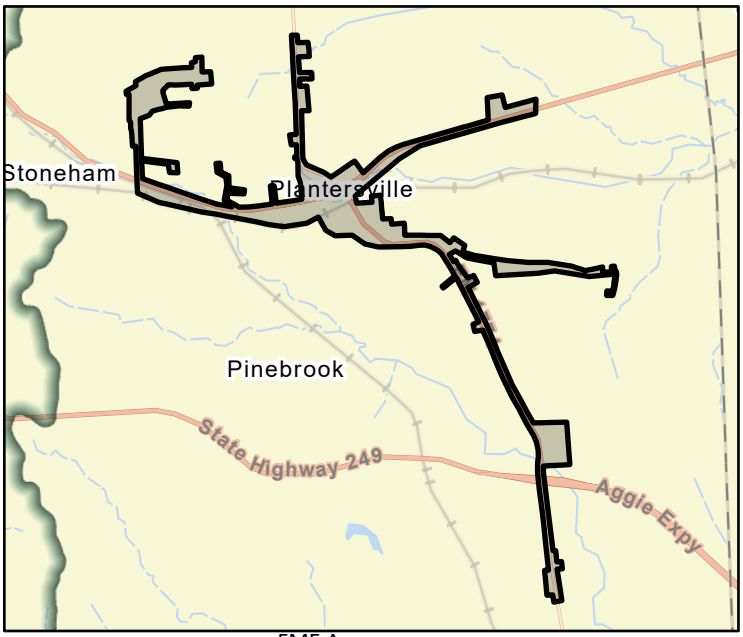
Historical road closures: 0

Estimated Cost and Funding Availability

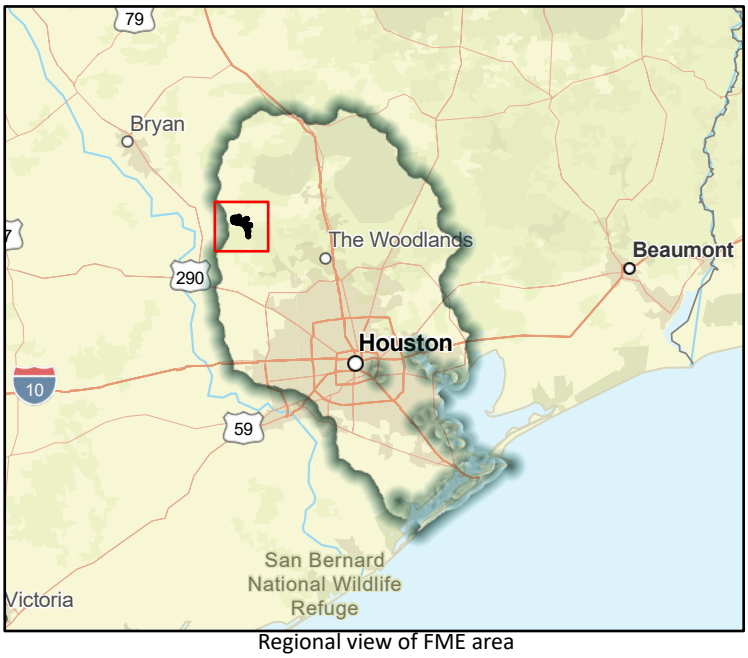
Total Cost: 190,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Plum Grove Master Drainage Plan

ID#: 061000276

Sponsor (name of entity, not person): 06002647

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Liberty

Watershed HUC# (if known): 06000070

Drainage area (Square miles, est.): 3.61

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 484

# of structures: 362

Critical facilities: 1

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 9.22

Roadway(s) impacted (length): 8.99

Number of low water crossings: 0

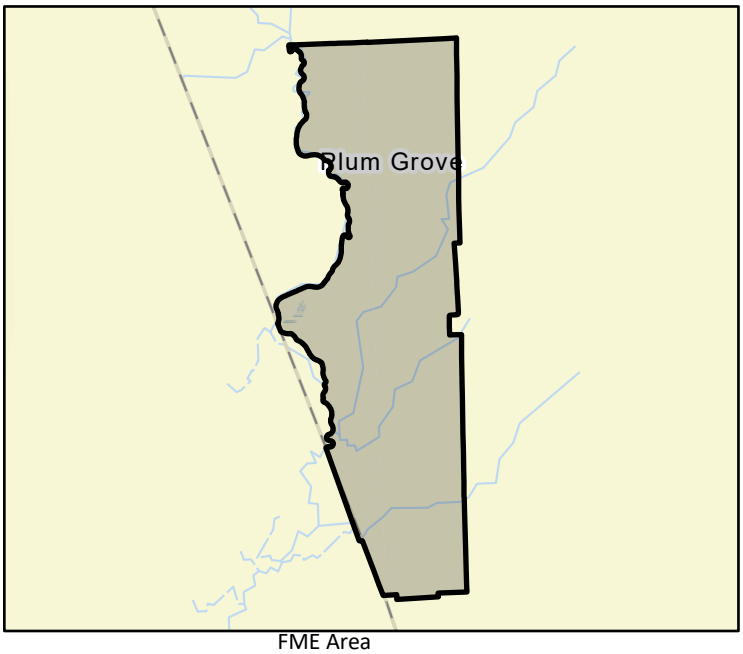
Historical road closures: 0

Estimated Cost and Funding Availability

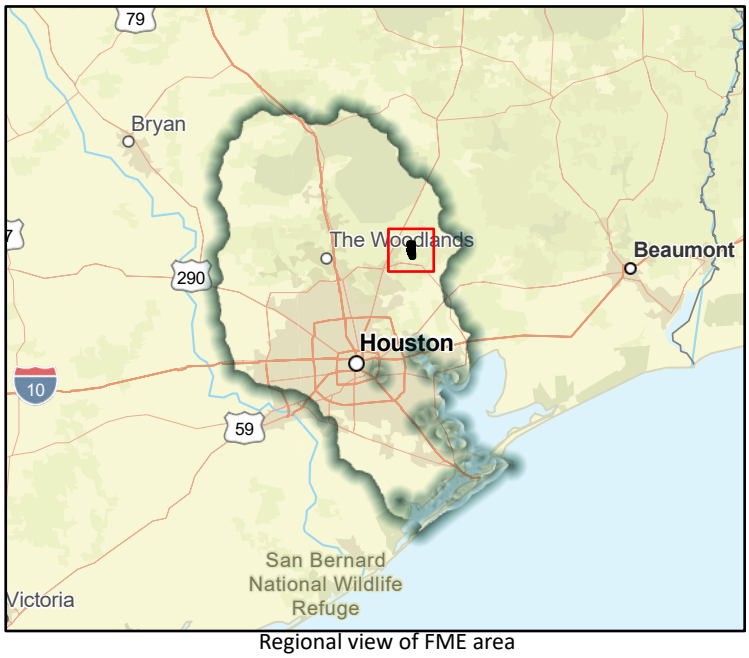
Total Cost: 230,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Prairie View Master Drainage Plan

ID#: 061000277

Sponsor (name of entity, not person): 00003390

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Waller

Watershed HUC# (if known): 06000026

Drainage area (Square miles, est.): 7.32

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 44

# of structures: 32

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 15.28

Roadway(s) impacted (length): 1.66

Number of low water crossings: 0

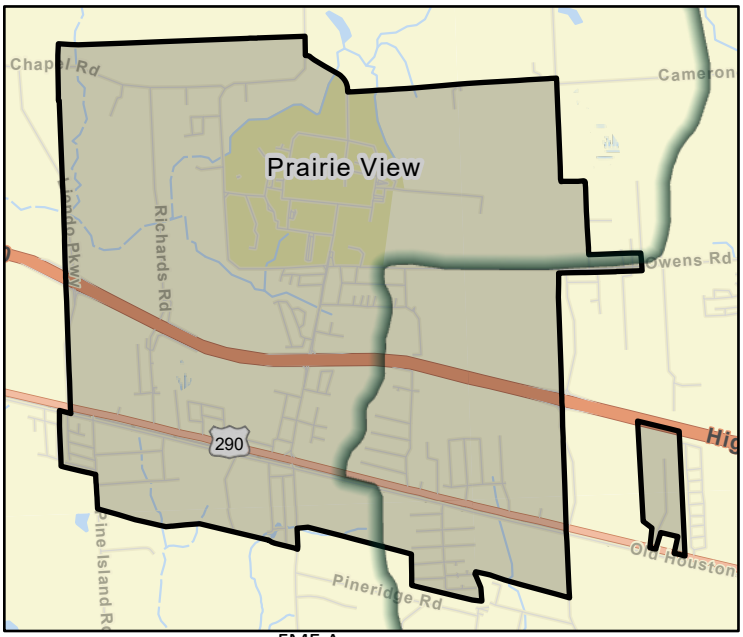
Historical road closures: 0

Estimated Cost and Funding Availability

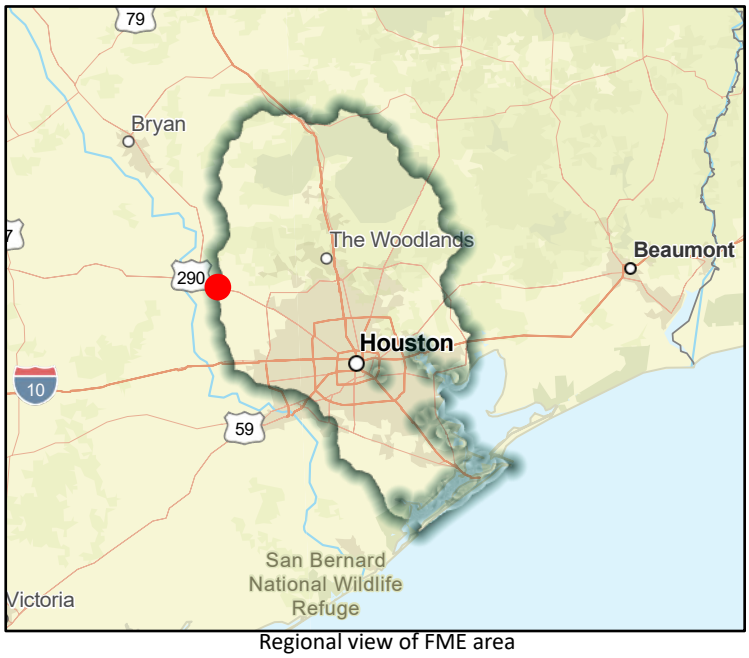
Total Cost: 290,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Roman Forest Master Drainage Plan

ID#: 061000278

Sponsor (name of entity, not person): 06002420

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Montgomery

Watershed HUC# (if known): 06000054,06000070

Drainage area (Square miles, est.): 2.19

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 253

# of structures: 86

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 3.18

Number of low water crossings: 0

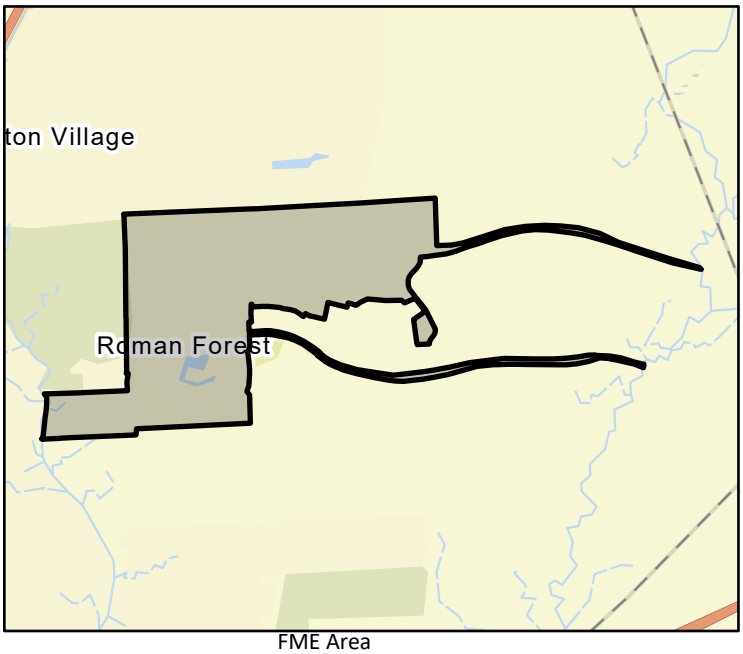
Historical road closures: 0

Estimated Cost and Funding Availability

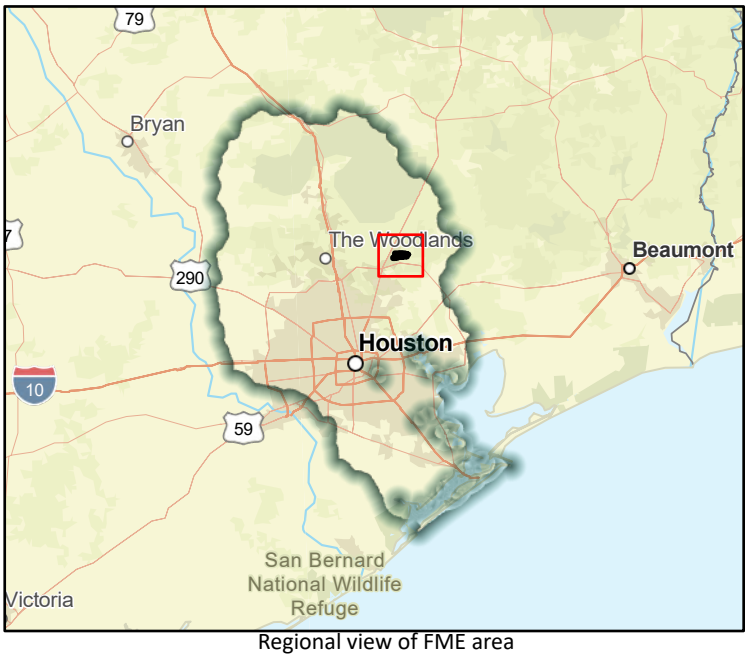
Total Cost: 190,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Santa Fe Master Drainage Plan

ID#: 061000279

Sponsor (name of entity, not person): 06003149

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000108,06000107

Drainage area (Square miles, est.): 17.04

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 748

# of structures: 399

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 12.13

Roadway(s) impacted (length): 4.13

Number of low water crossings: 9

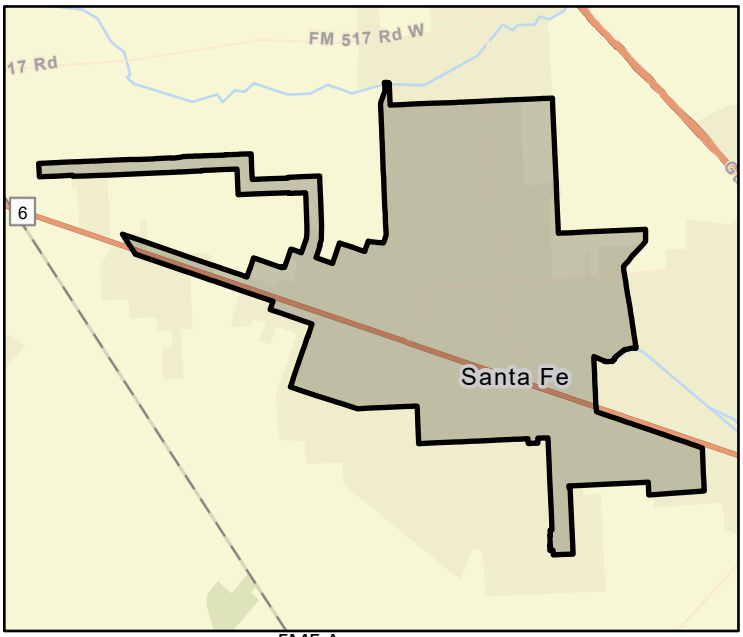
Historical road closures: 9

Estimated Cost and Funding Availability

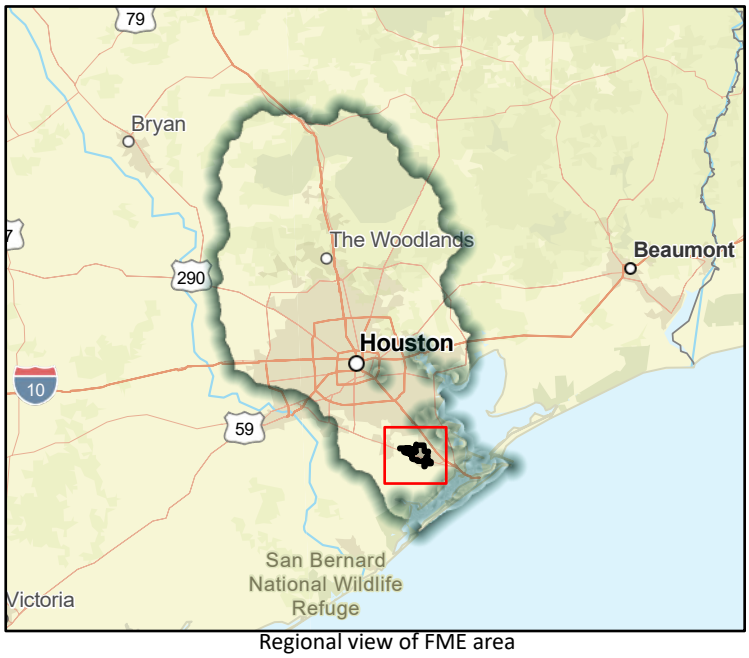
Total Cost: 380,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Seabrook Master Drainage Plan

ID#: 061000280

Sponsor (name of entity, not person): 06003512

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Galveston,Chambers,Harris

Watershed HUC# (if known): 06000106

Drainage area (Square miles, est.): 21.19

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 10,374

# of structures: 3,567

Critical facilities: 58

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 11.48

Roadway(s) impacted (length): 52.06

Number of low water crossings: 0

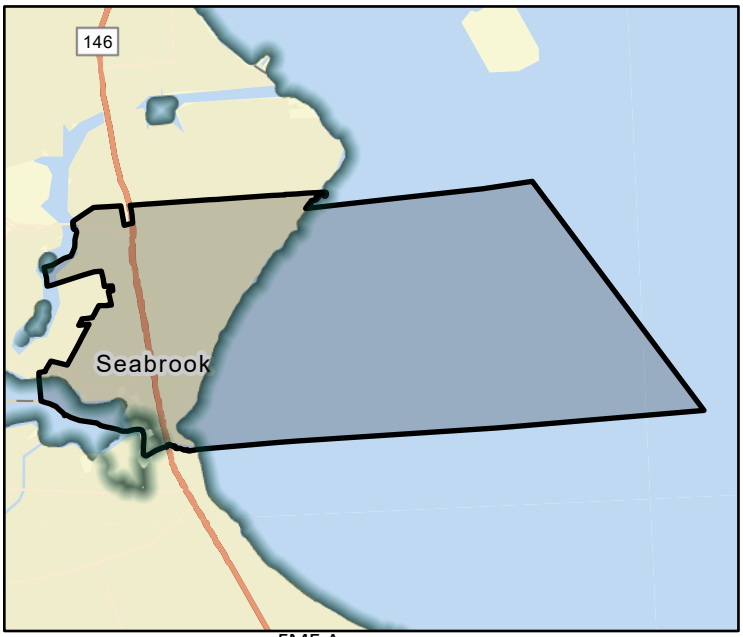
Historical road closures: 0

Estimated Cost and Funding Availability

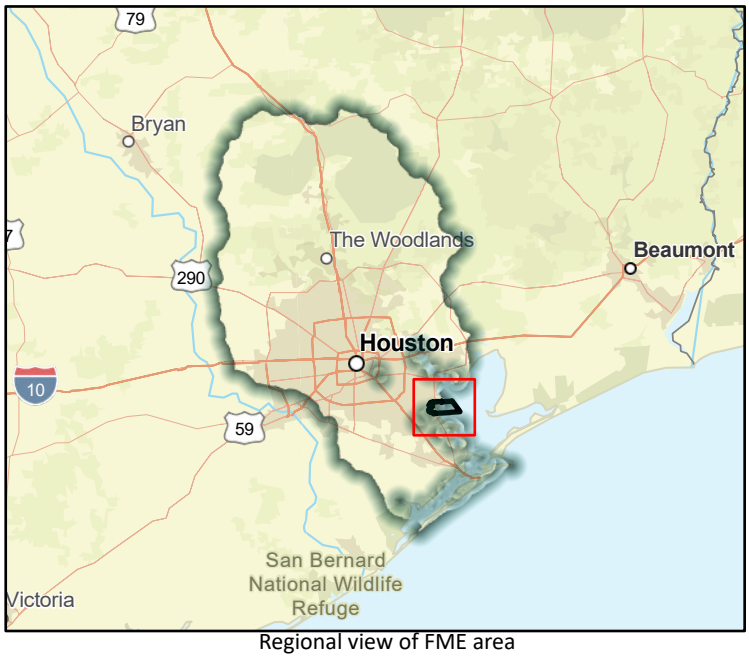
Total Cost: 420,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Shenandoah Master Drainage Plan

ID#: 061000281

Sponsor (name of entity, not person): 06002421

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Montgomery

Watershed HUC# (if known): 06000021,06000023,06000043,06000044

Drainage area (Square miles, est.): 1.95

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 45

# of structures: 10

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.26

Roadway(s) impacted (length): 0.02

Number of low water crossings: 0

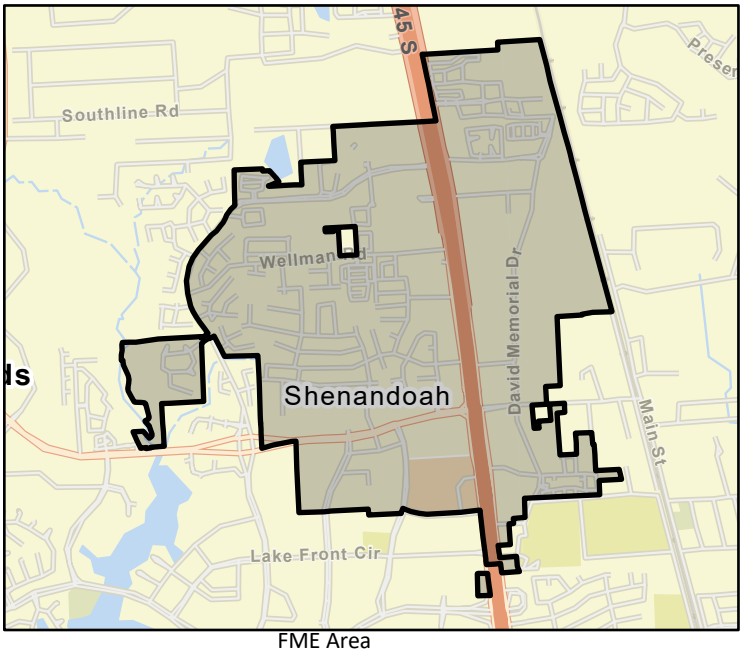
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 190,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Shoreacres Master Drainage Plan

ID#: 061000282

Sponsor (name of entity, not person): 06003544

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Chambers,Harris

Watershed HUC# (if known): 06000106

Drainage area (Square miles, est.): 0.96

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,148

# of structures: 801

Critical facilities: 3

Flood risk type: Riverine?: Yes

Coastal?: Yes

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.23

Roadway(s) impacted (length): 17.17

Number of low water crossings: 1

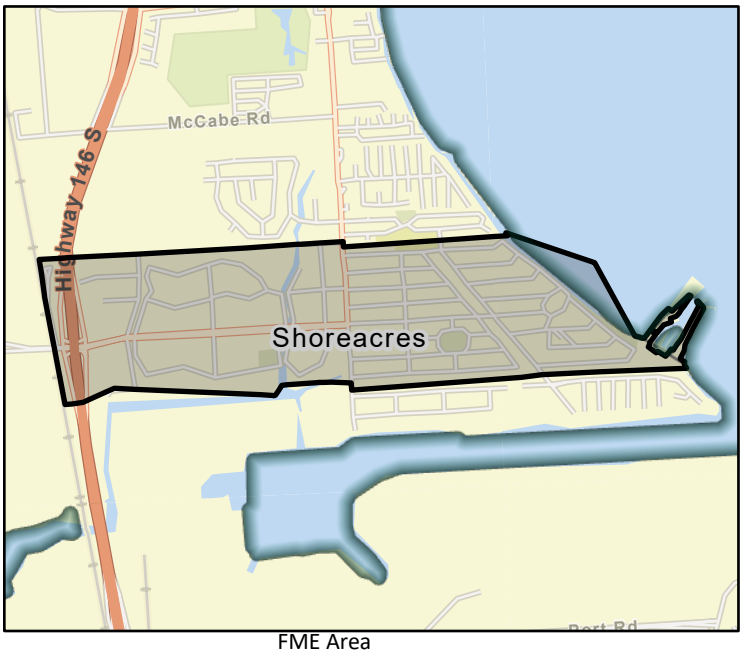
Historical road closures: 1

Estimated Cost and Funding Availability

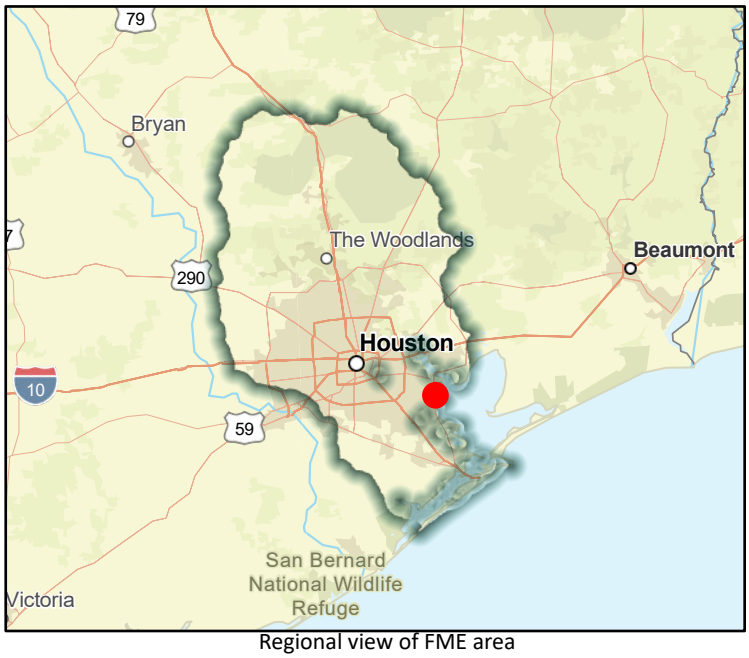
Total Cost: 150,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of South Houston Master Drainage Plan

ID#: 061000283

Sponsor (name of entity, not person): 06002502

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000095,06000086

Drainage area (Square miles, est.): 3.04

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 6,432

# of structures: 1,420

Critical facilities: 22

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 19.36

Number of low water crossings: 0

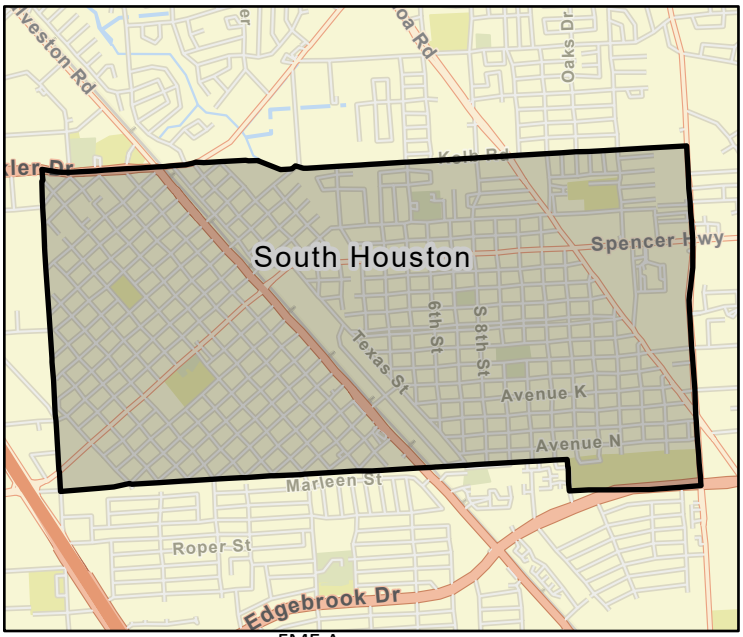
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 210,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Southside Place Master Drainage Plan

ID#: 061000284

Sponsor (name of entity, not person): 06003305

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000084

Drainage area (Square miles, est.): 0.25

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,468

# of structures: 500

Critical facilities: 5

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 3.84

Number of low water crossings: 0

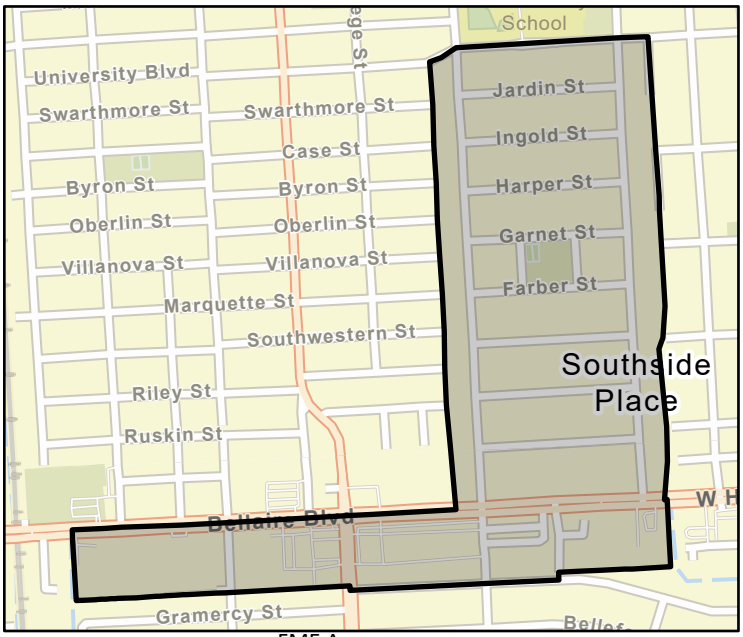
Historical road closures: 0

Estimated Cost and Funding Availability

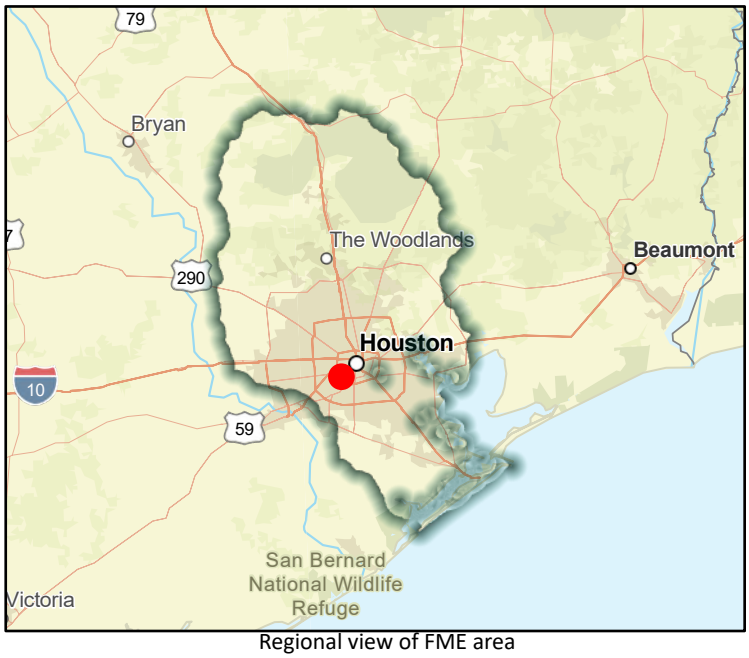
Total Cost: 110,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Splendora Master Drainage Plan

ID#: 061000285

Sponsor (name of entity, not person): 06003031

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Montgomery

Watershed HUC# (if known): 06000054,06000070,06000069

Drainage area (Square miles, est.): 3.06

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 329

# of structures: 231

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1.68

Roadway(s) impacted (length): 8.37

Number of low water crossings: 0

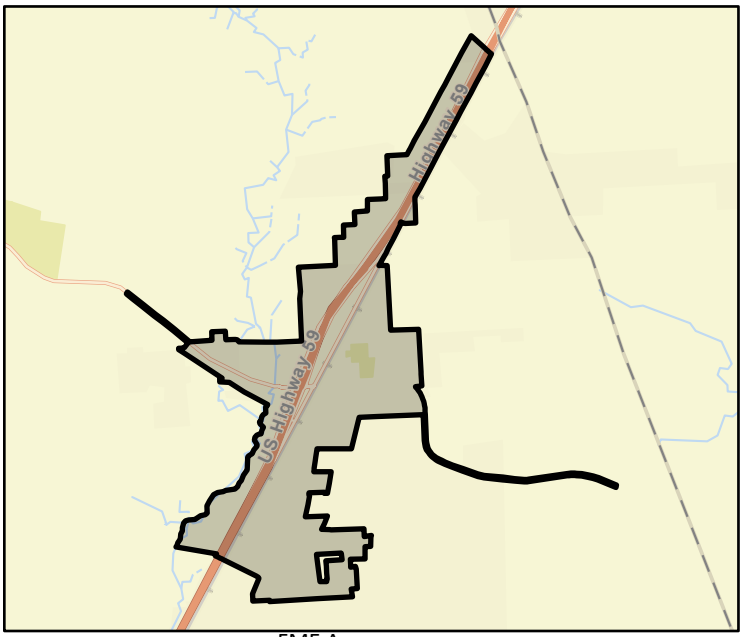
Historical road closures: 0

Estimated Cost and Funding Availability

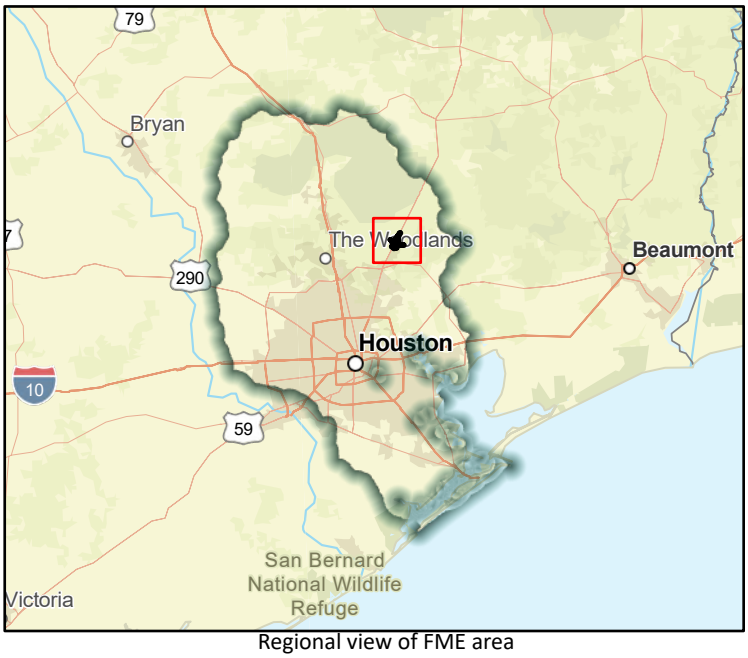
Total Cost: 210,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Spring Valley Village Master Drainage Plan

ID#: 061000286

Sponsor (name of entity, not person): 06003593

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000080

Drainage area (Square miles, est.): 1.21

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 69

# of structures: 22

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.57

Number of low water crossings: 0

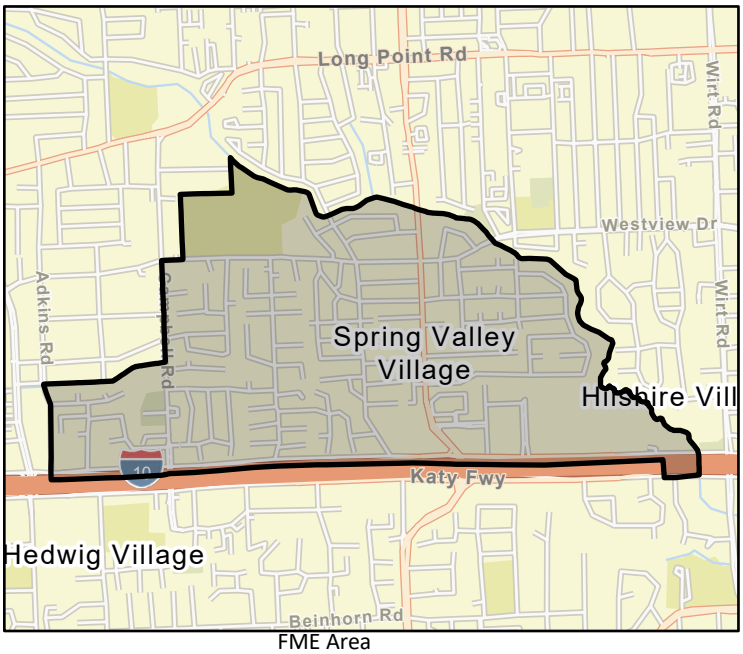
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 160,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Stafford Master Drainage Plan

ID#: 061000287

Sponsor (name of entity, not person): 00003596

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Fort Bend,Harris

Watershed HUC# (if known): 06000083,06000085,06000109

Drainage area (Square miles, est.): 7.02

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures:

Critical facilities:

Flood risk type: Riverine?: No Coastal?: No Local?: Yes Playa?: No Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.00

Number of low water crossings:

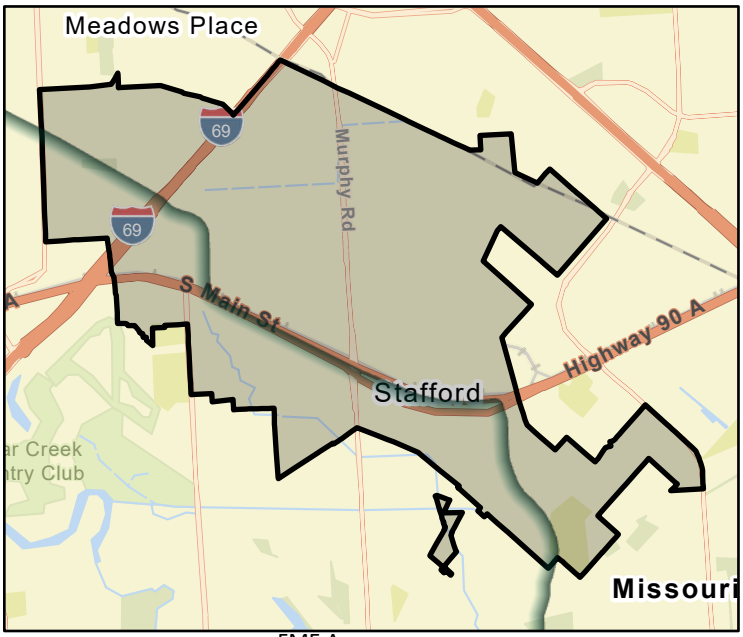
Historical road closures:

Estimated Cost and Funding Availability

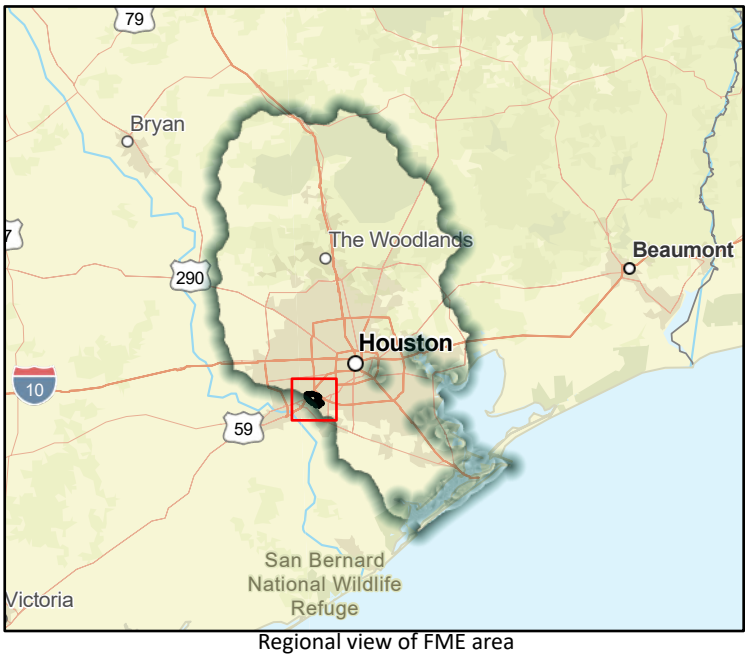
Total Cost: 280,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Stagecoach Master Drainage Plan

ID#: 061000288

Sponsor (name of entity, not person): 06002641

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Montgomery

Watershed HUC# (if known): 06000036,06000040

Drainage area (Square miles, est.): 1.17

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 27

# of structures: 18

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.01

Roadway(s) impacted (length): 0.77

Number of low water crossings: 0

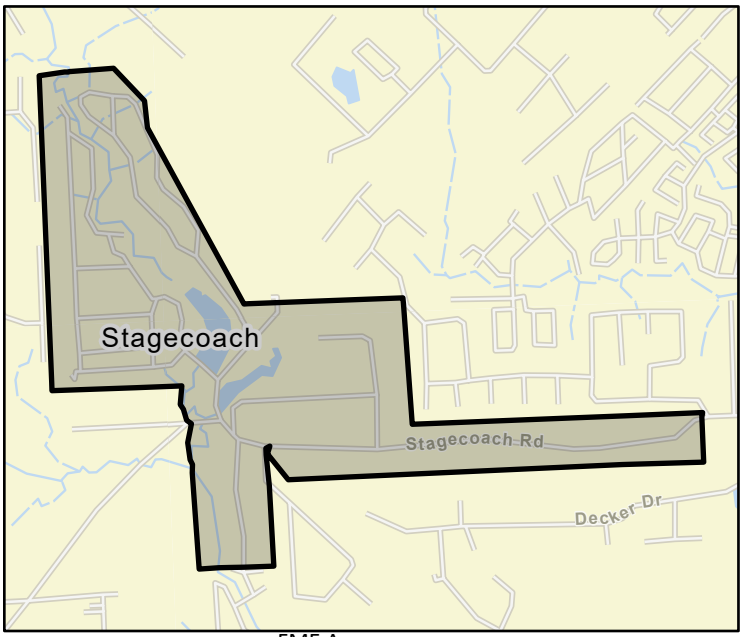
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 160,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Sugar Land Master Drainage Plan

ID#: 061000289

Sponsor (name of entity, not person): 00002517

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Fort Bend

Watershed HUC# (if known): 06000083

Drainage area (Square miles, est.): 42.76

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures: 0

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.01

Number of low water crossings:

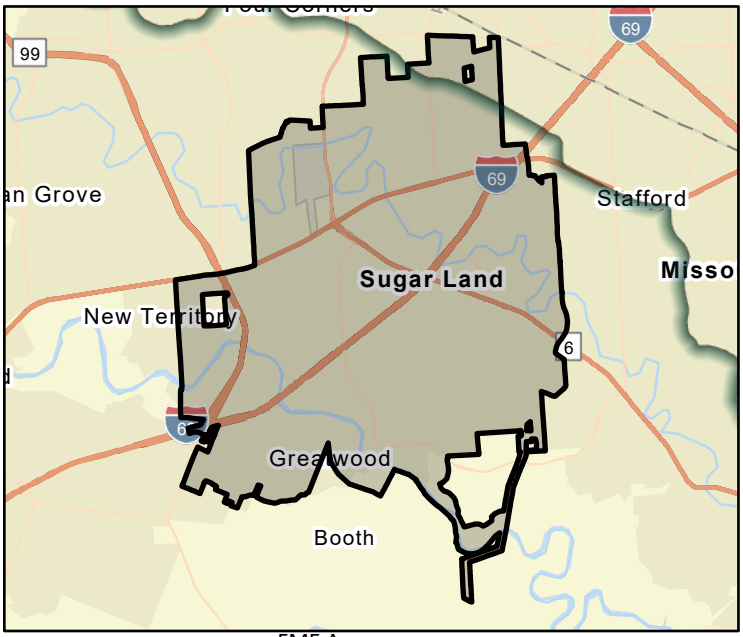
Historical road closures:

Estimated Cost and Funding Availability

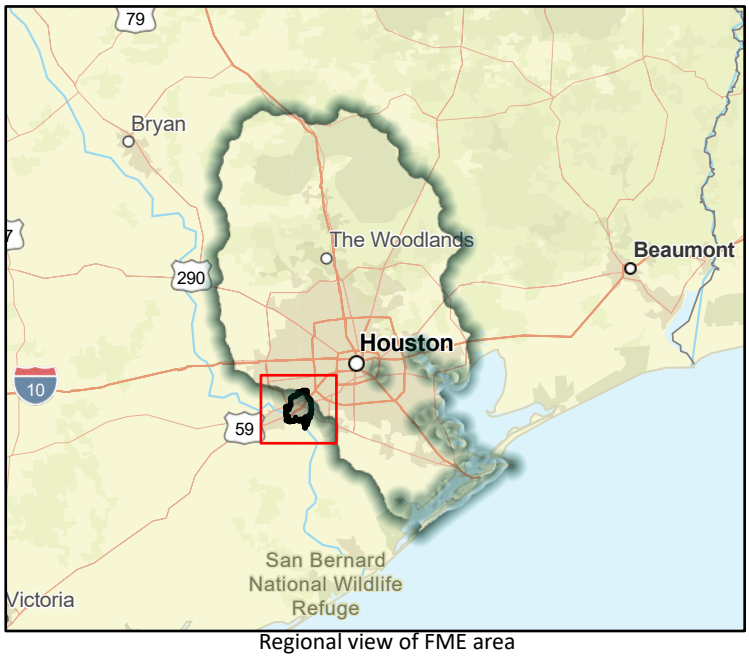
Total Cost: 540,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Taylor Lake Village Master Drainage Plan

ID#: 061000290

Sponsor (name of entity, not person): 06003594

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000106

Drainage area (Square miles, est.): 1.30

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,955

# of structures: 852

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: Yes

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 13.33

Number of low water crossings: 0

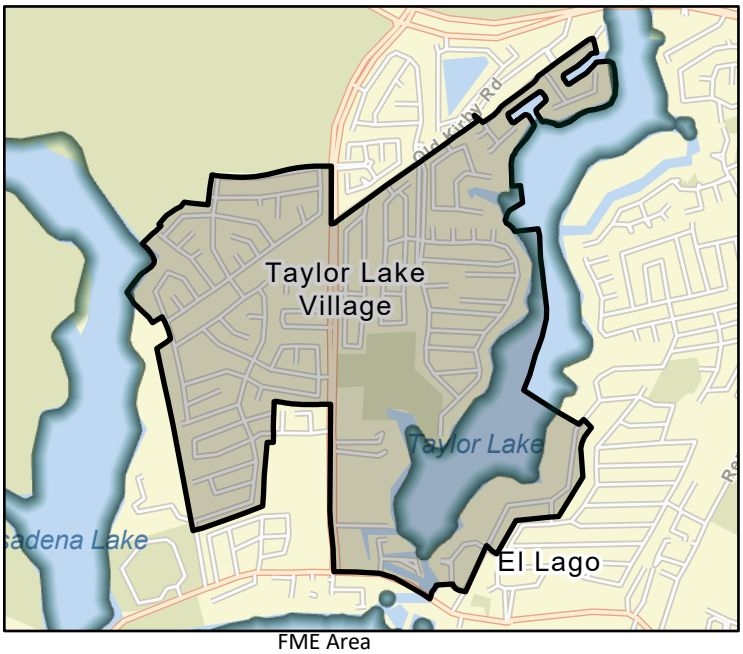
Historical road closures: 0

Estimated Cost and Funding Availability

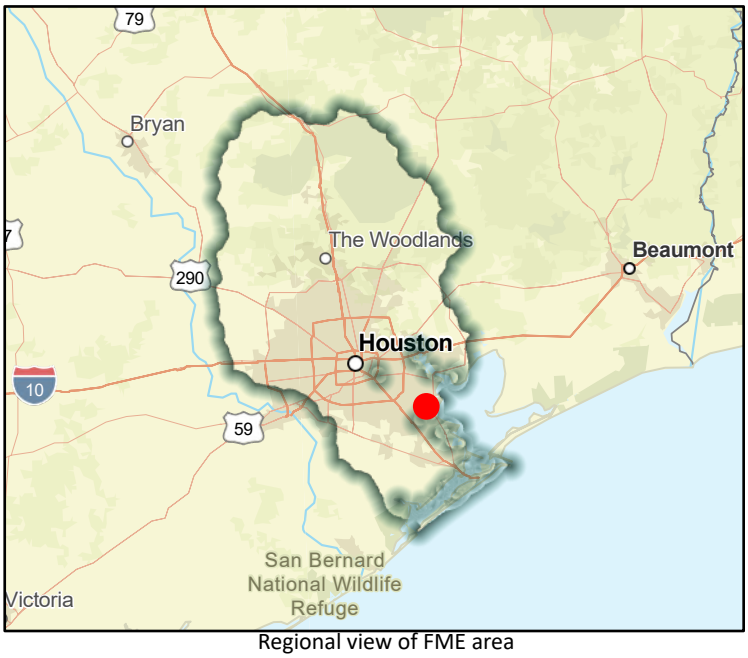
Total Cost: 170,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Texas City Master Drainage Plan

ID#: 061000291

Sponsor (name of entity, not person): 00003345

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Galveston,Chambers

Watershed HUC# (if known): 06000107

Drainage area (Square miles, est.): 185.08

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,121

# of structures: 1,284

Critical facilities: 16

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 569.91

Roadway(s) impacted (length): 46.23

Number of low water crossings: 3

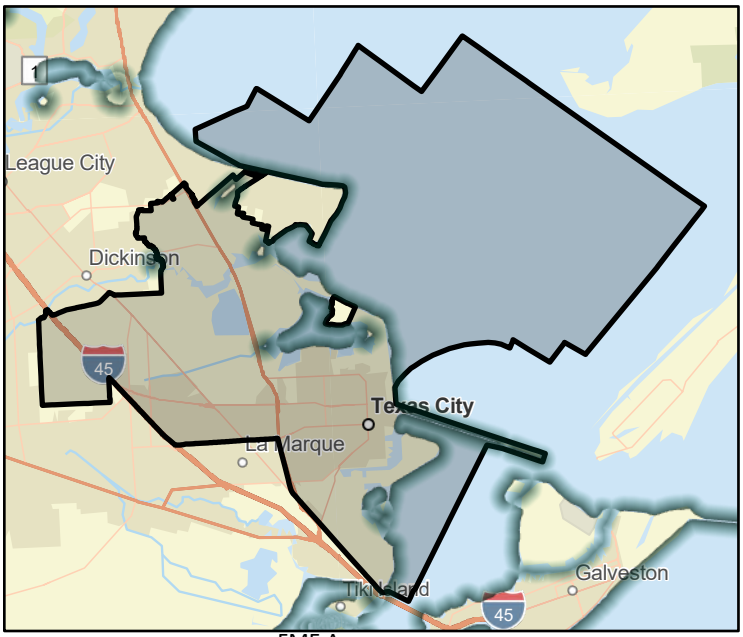
Historical road closures: 3

Estimated Cost and Funding Availability

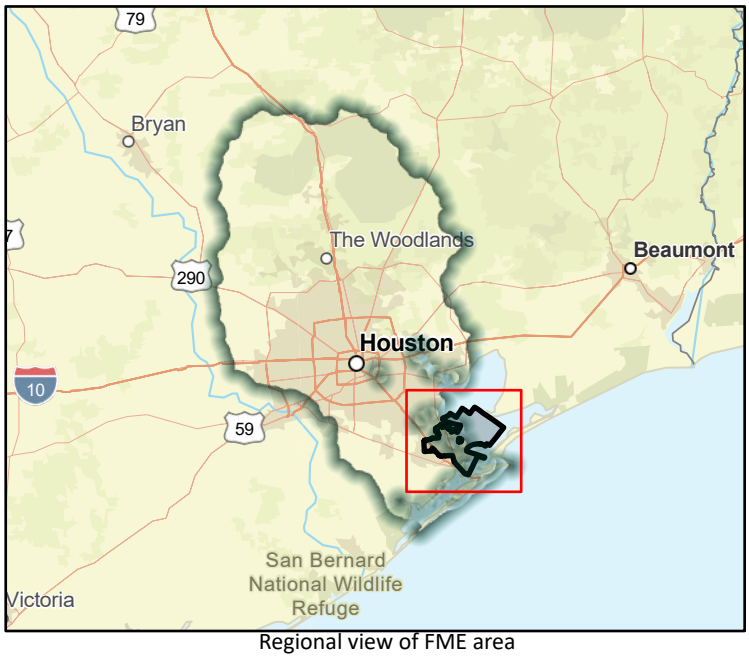
Total Cost: 950,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Tiki Island Master Drainage Plan

ID#: 061000292

Sponsor (name of entity, not person): 06003397

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000107

Drainage area (Square miles, est.): 1.59

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,681

# of structures: 1,006

Critical facilities: 6

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 3.92

Roadway(s) impacted (length): 9.64

Number of low water crossings: 0

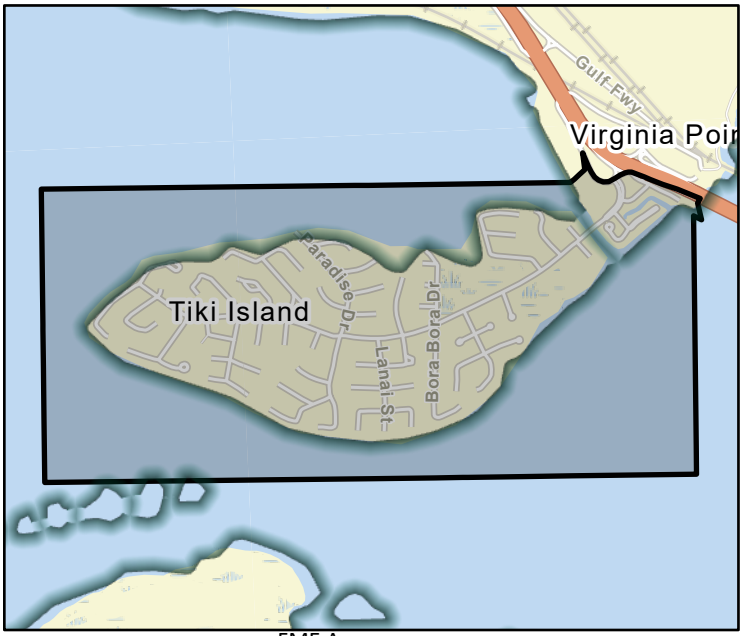
Historical road closures: 0

Estimated Cost and Funding Availability

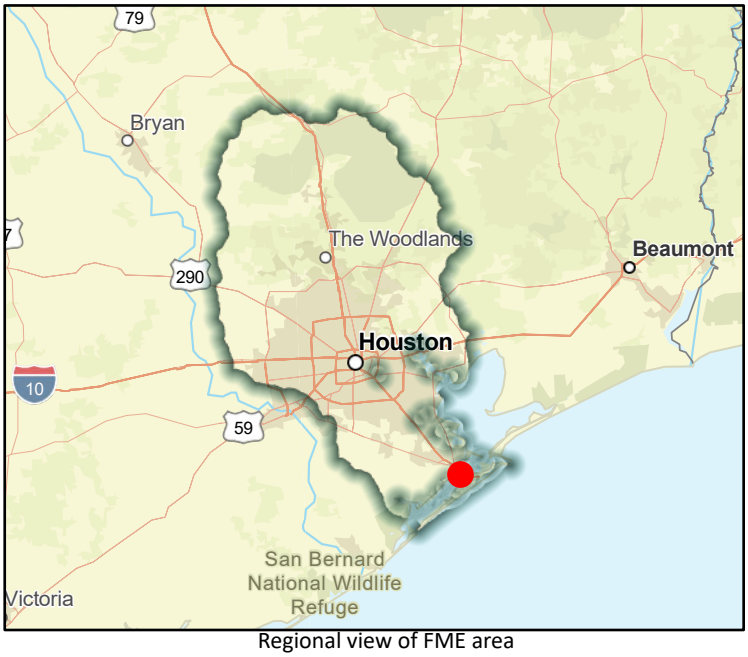
Total Cost: 180,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Todd Mission Master Drainage Plan

ID#: 061000293

Sponsor (name of entity, not person): 06003415

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Grimes

Watershed HUC# (if known): 06000035,06000038

Drainage area (Square miles, est.): 2.00

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 16

# of structures: 17

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1.12

Roadway(s) impacted (length): 0.00

Number of low water crossings:

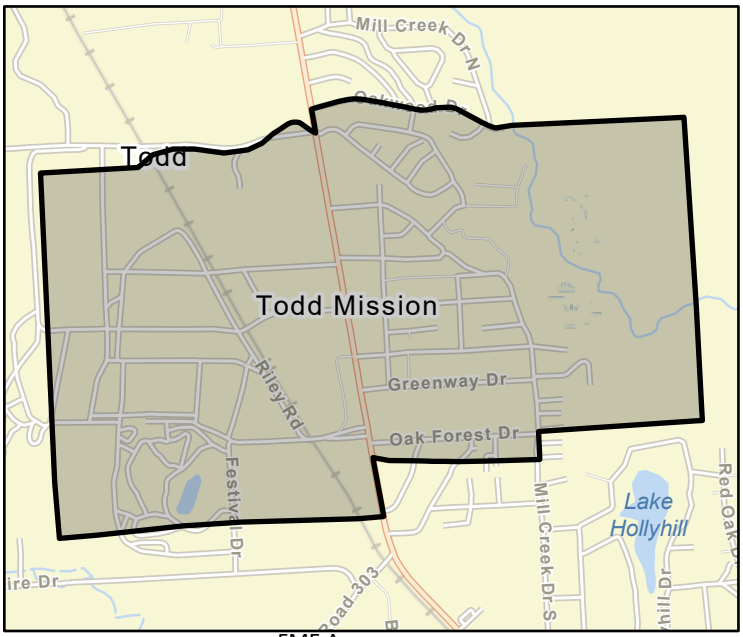
Historical road closures:

Estimated Cost and Funding Availability

Total Cost: 190,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Tomball Master Drainage Plan

ID#: 061000294

Sponsor (name of entity, not person): 06003302

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Harris,Montgomery

Watershed HUC# (if known): 06000031,06000037,06000042,06000041

Drainage area (Square miles, est.): 13.04

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 457

# of structures: 47

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 4.60

Roadway(s) impacted (length): 3.72

Number of low water crossings: 0

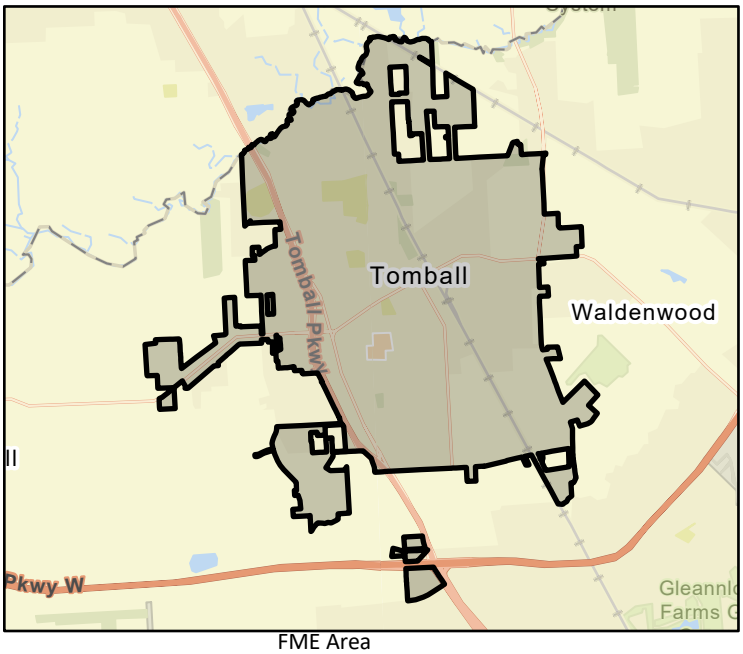
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 350,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Waller Master Drainage Plan

ID#: 061000295

Sponsor (name of entity, not person): 06002795

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Harris,Waller

Watershed HUC# (if known): 06000026,06000030,06000033

Drainage area (Square miles, est.): 3.71

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 578

# of structures: 148

Critical facilities: 4

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 47.51

Roadway(s) impacted (length): 5.34

Number of low water crossings: 7

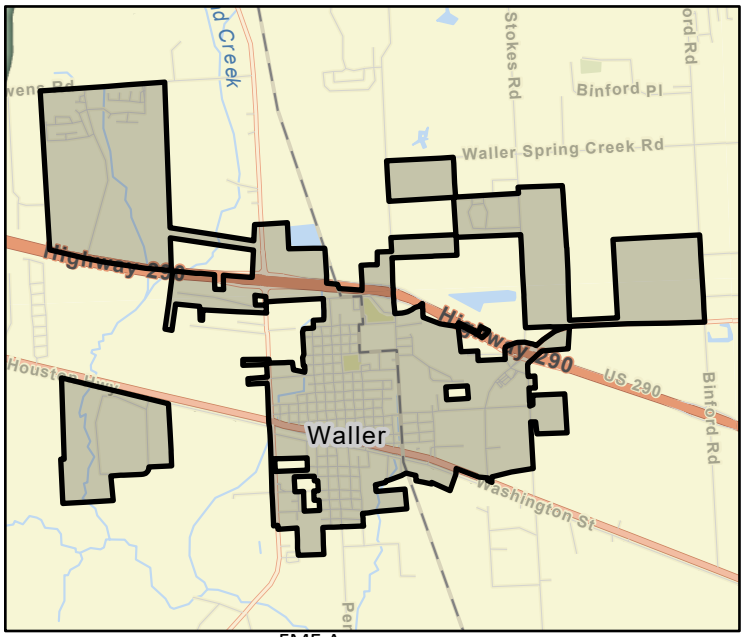
Historical road closures: 7

Estimated Cost and Funding Availability

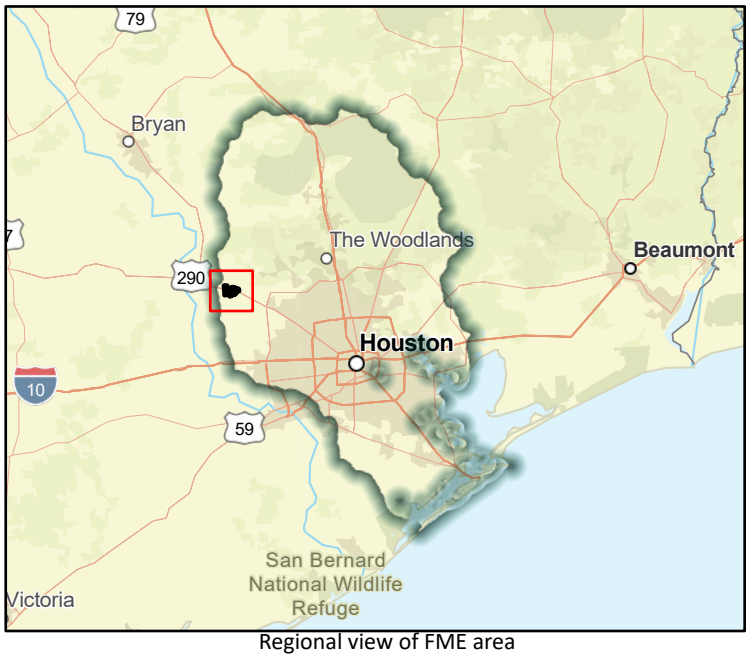
Total Cost: 100,000.00

Amount of Available Funding: 0.00

Funding source: General Revenue



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Webster Master Drainage Plan

ID#: 061000296

Sponsor (name of entity, not person): 06003306

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000106

Drainage area (Square miles, est.): 6.60

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,940

# of structures: 209

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 18.74

Roadway(s) impacted (length): 8.49

Number of low water crossings: 1

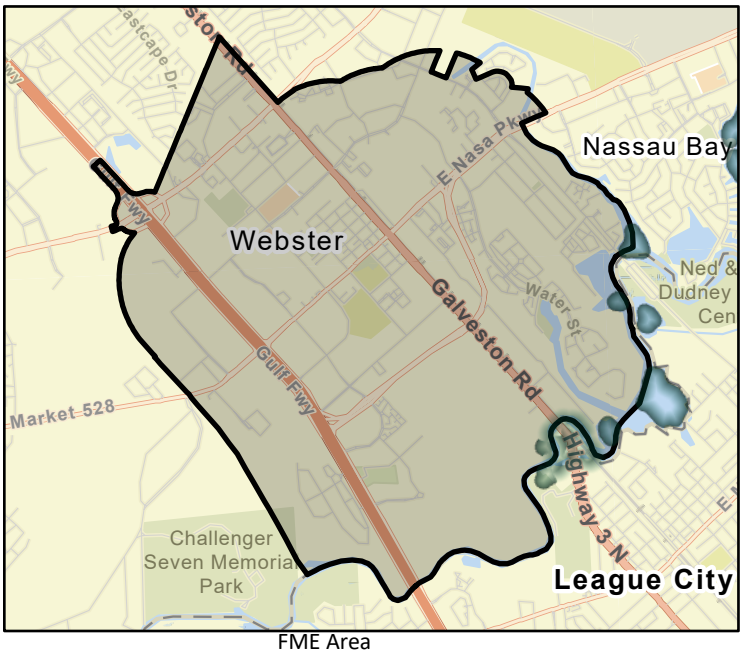
Historical road closures: 1

Estimated Cost and Funding Availability

Total Cost: 280,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of West University Place Master Drainage Plan

ID#: 061000297

Sponsor (name of entity, not person): 06003595

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop refine Master Drainage Plan and Projects using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000084

Drainage area (Square miles, est.): 2.00

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,931

# of structures: 939

Critical facilities: 6

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 11.90

Number of low water crossings: 0

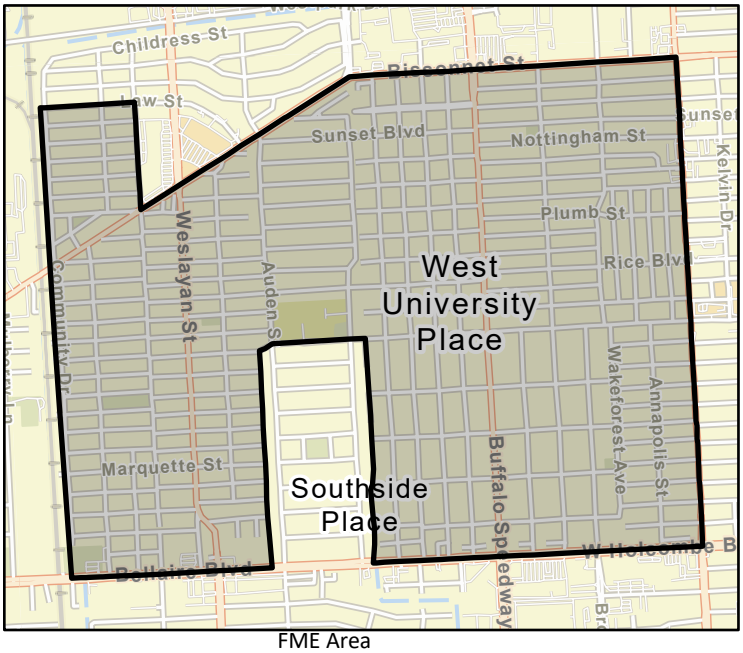
Historical road closures: 0

Estimated Cost and Funding Availability

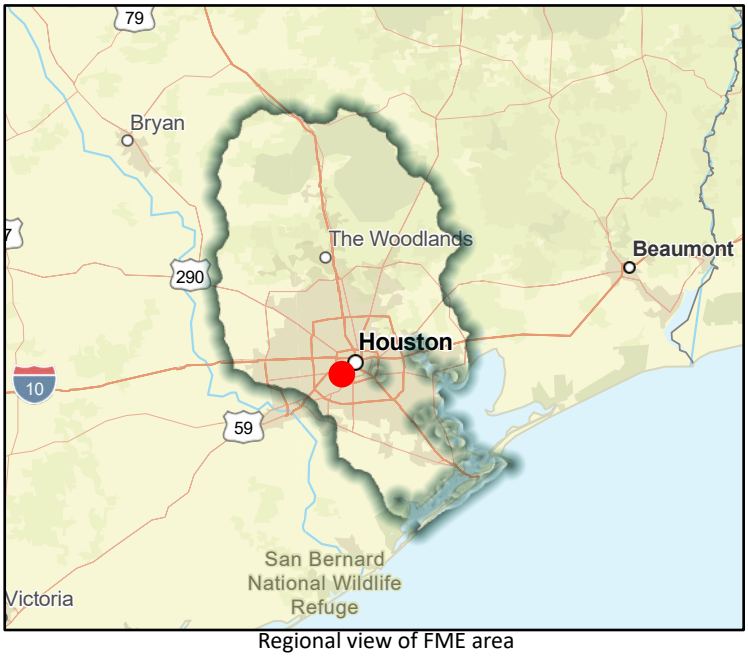
Total Cost: 190,000.00

Amount of Available Funding: 38,000.00

Funding source: Internal CIP Dollars



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Willis Master Drainage Plan

ID#: 061000298

Sponsor (name of entity, not person): 06002638

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Montgomery

Watershed HUC# (if known): 06000022,06000020,06000008,06000009,06000047,06000046

Drainage area (Square miles, est.): 4.72

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 342

# of structures: 61

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.93

Roadway(s) impacted (length): 1.67

Number of low water crossings: 0

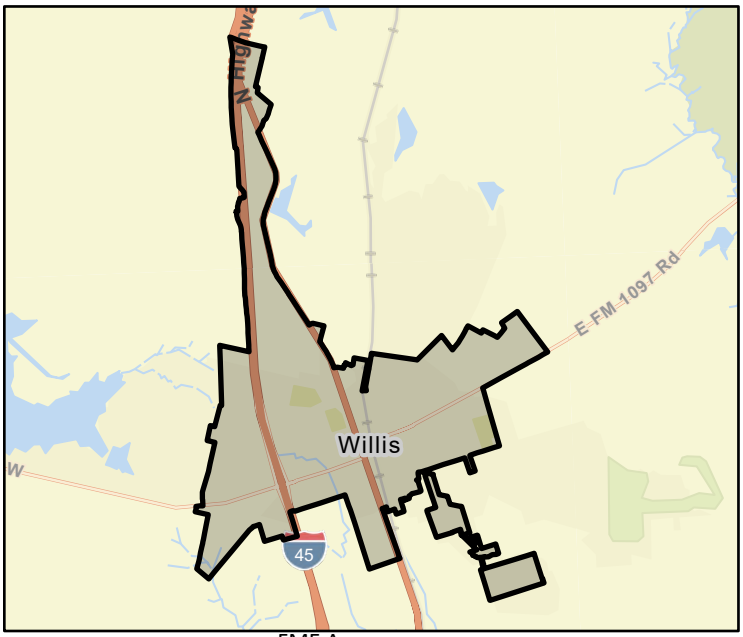
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 250,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Woodbranch Master Drainage Plan

ID#: 061000299

Sponsor (name of entity, not person): 06002422

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Montgomery

Watershed HUC# (if known): 06000050,06000054

Drainage area (Square miles, est.): 2.00

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 398

# of structures: 197

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 3.54

Number of low water crossings: 0

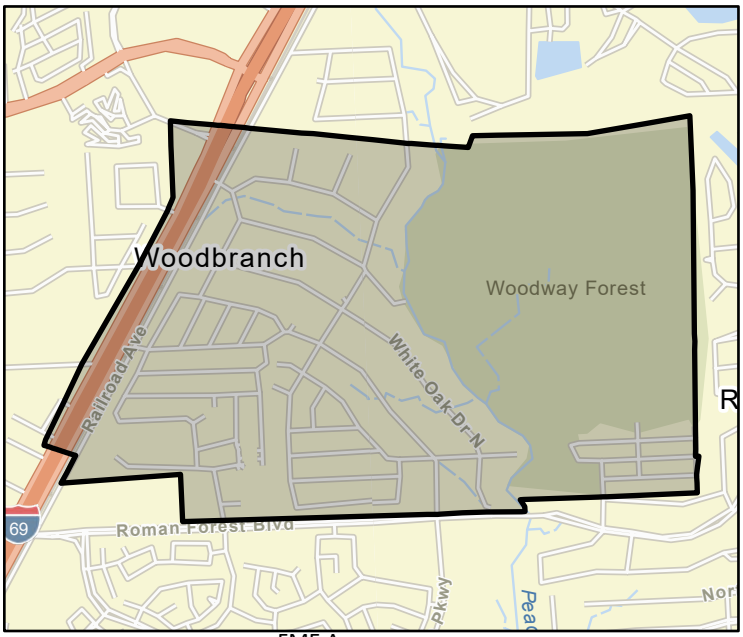
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 190,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Town of Woodloch Master Drainage Plan

ID#: 061000300

Sponsor (name of entity, not person): 06003037

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Montgomery

Watershed HUC# (if known): 06000021

Drainage area (Square miles, est.): 0.08

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 233

# of structures: 85

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 1.02

Number of low water crossings:

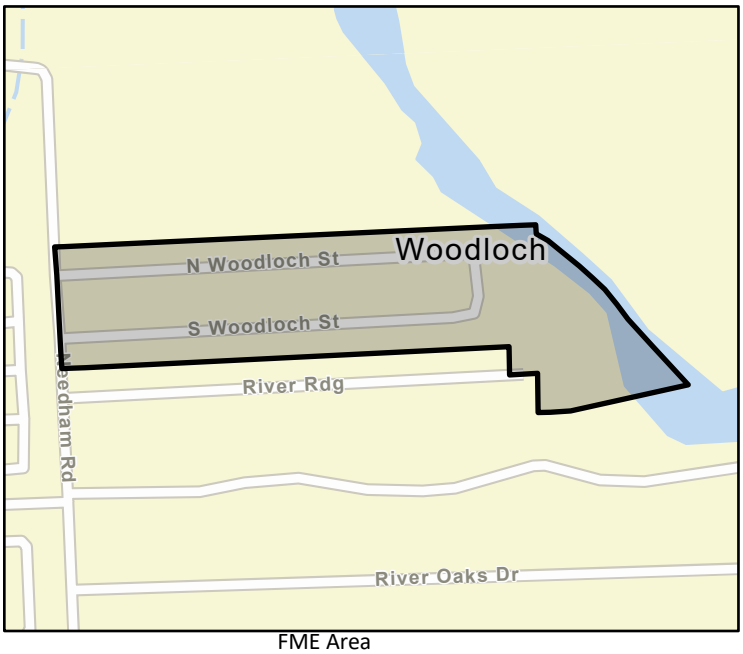
Historical road closures:

Estimated Cost and Funding Availability

Total Cost: 50,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Brazoria Flood Mapping Updates

ID#: 061000301

Sponsor (name of entity, not person): 00000003

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: County wide study to produce flood mappping updates including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Brazoria

Watershed HUC# (if known): 06000108,06000107,06000109,06000106

Drainage area (Square miles, est.): 1,481.87

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 38,615

# of structures: 18,836

Critical facilities: 246

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 8,584.16

Roadway(s) impacted (length): 328.07

Number of low water crossings: 0

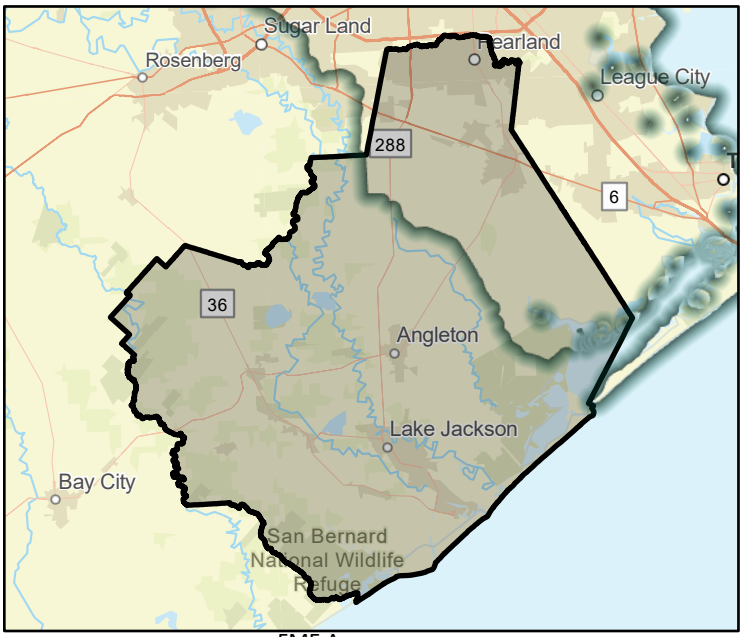
Historical road closures: 0

Estimated Cost and Funding Availability

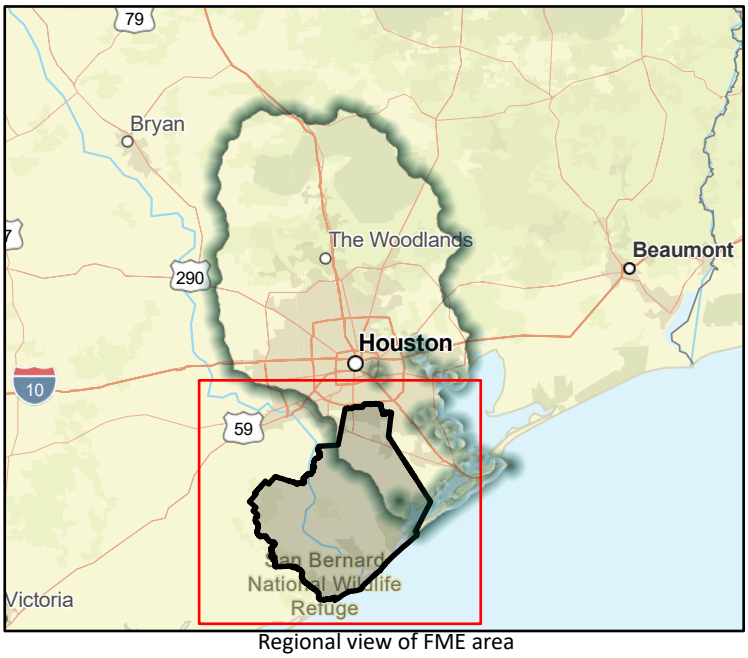
Total Cost: 6,440,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Chambers Flood Mapping Updates

ID#: 061000302

Sponsor (name of entity, not person): 00000013

RFPG recommend? Yes | Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: County wide study to produce flood mappping updates including Atlas 14 rainfall.

New Hydrologic or Hydraulic model? Yes | Emergency Need? Yes | Existing/Anticipated models in near term? No

County: Chambers | Watershed HUC# (if known): 06000103,06000102,06000104,06000105

Drainage area (Square miles, est.): 865.55 | Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 715 | # of structures: 151 | Critical facilities: 0

Flood risk type: Riverine? Yes | Coastal? No | Local? Yes | Playa? No | Other? No

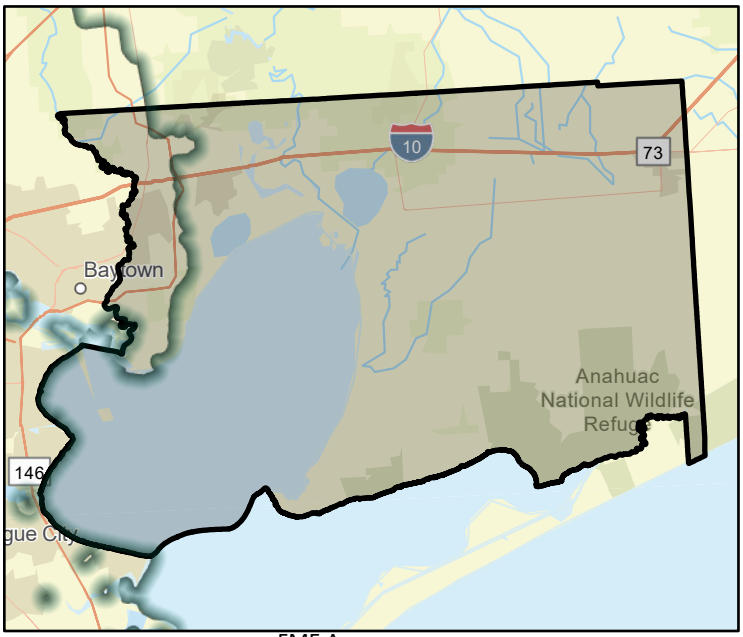
Farm/Ranch land impacted (acres): 354.08 | Roadway(s) impacted (length): 7.30

Number of low water crossings: 0 | Historical road closures: 0

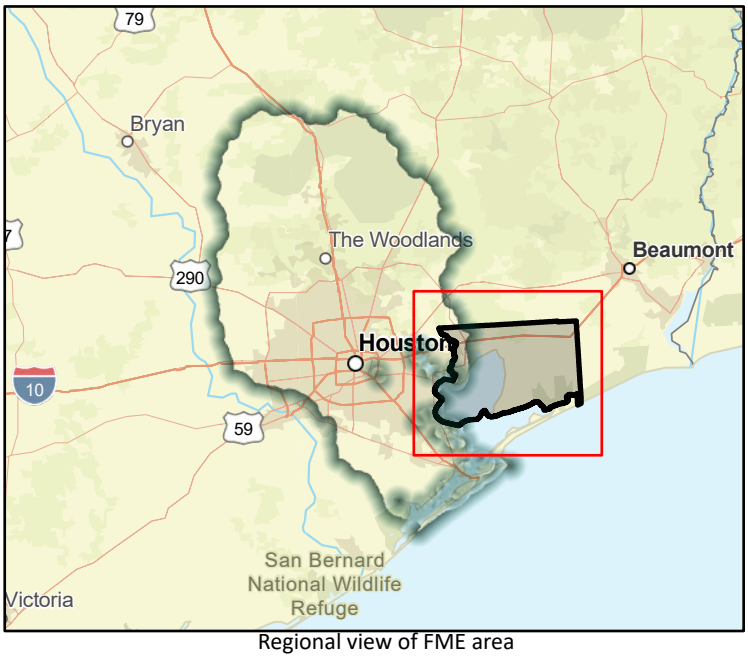
Estimated Cost and Funding Availability

Total Cost: 631,000.00 | Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Galveston Flood Mapping Updates

ID#: 061000304

Sponsor (name of entity, not person): 00000006

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: County wide study to produce flood mappping updates including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000108,06000107,06000109,06000106

Drainage area (Square miles, est.): 664.95

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 102,745

# of structures: 48,545

Critical facilities: 667

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 3,412.03

Roadway(s) impacted (length): 910.36

Number of low water crossings: 30

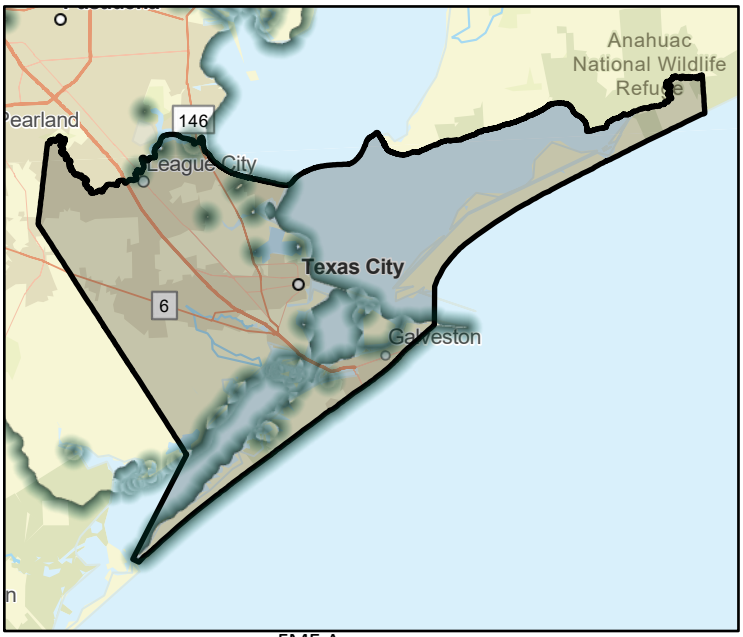
Historical road closures: 30

Estimated Cost and Funding Availability

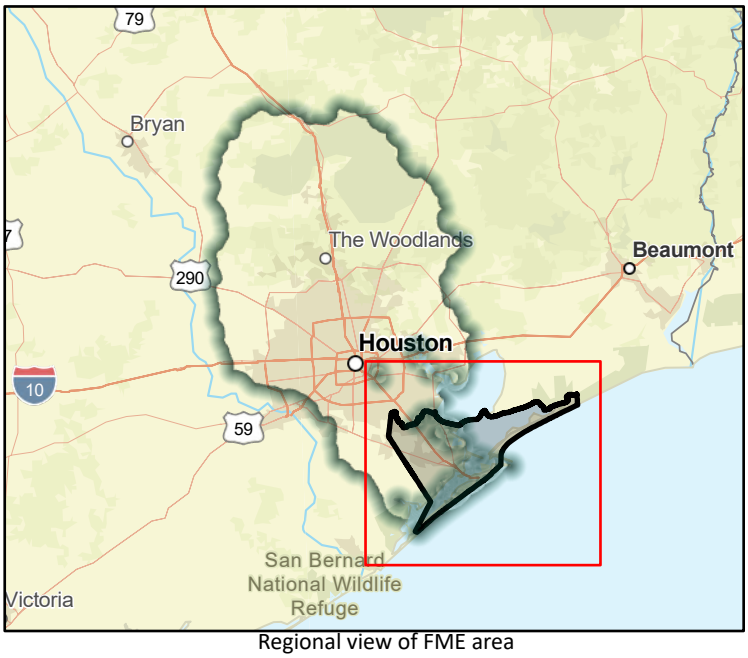
Total Cost: 2,960,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Grimes Flood Mapping Updates

ID#: 061000305

Sponsor (name of entity, not person): 00000044

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: County wide study to produce flood mappping updates including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Grimes

Watershed HUC# (if known): 06000001,06000012,06000013,06000014,06000003,06000015,0600001

Drainage area (Square miles, est.): 798.87

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 95

# of structures: 144

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 151.28

Roadway(s) impacted (length): 10.81

Number of low water crossings: 1

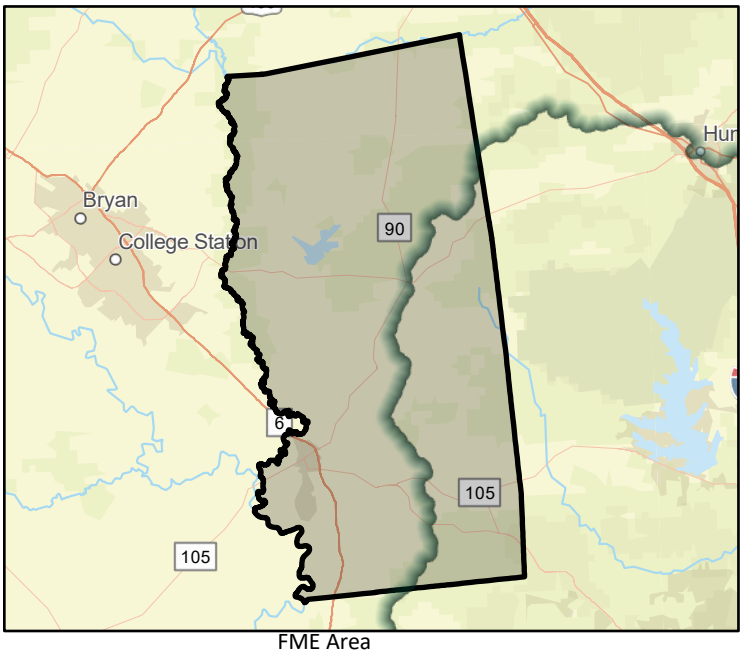
Historical road closures: 1

Estimated Cost and Funding Availability

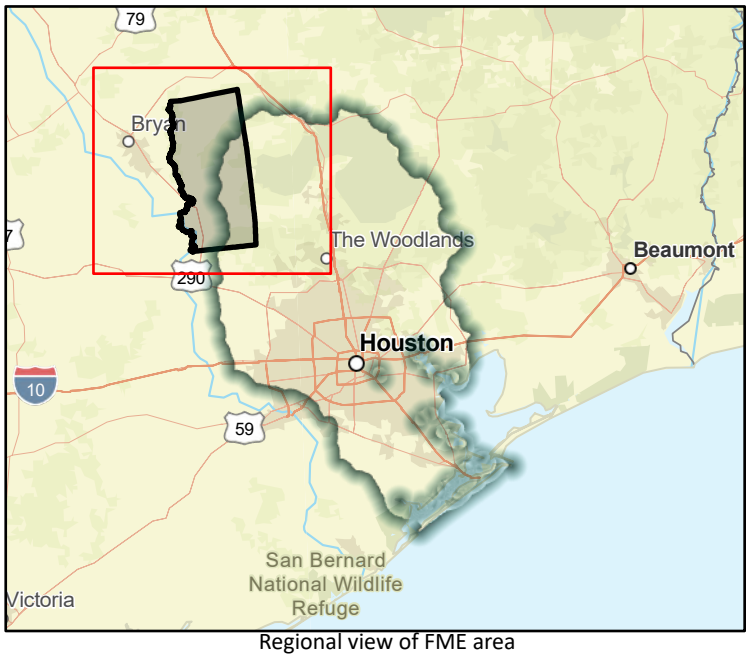
Total Cost: 908,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Montgomery Flood Mapping Updates

ID#: 061000307

Sponsor (name of entity, not person): 06000037

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: County wide study to produce flood mappping updates including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: Montgomery

Watershed HUC# (if known): 06000001,06000012,06000013,06000014,06000003,06000015,0600001

Drainage area (Square miles, est.): 1,072.61

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 42,121

# of structures: 21,175

Critical facilities: 116

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 852.38

Roadway(s) impacted (length): 409.34

Number of low water crossings: 72

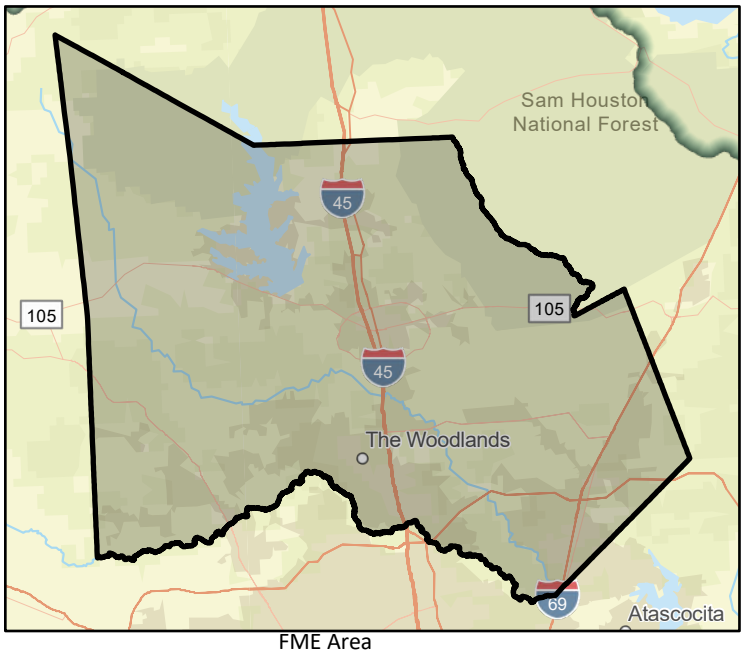
Historical road closures: 72

Estimated Cost and Funding Availability

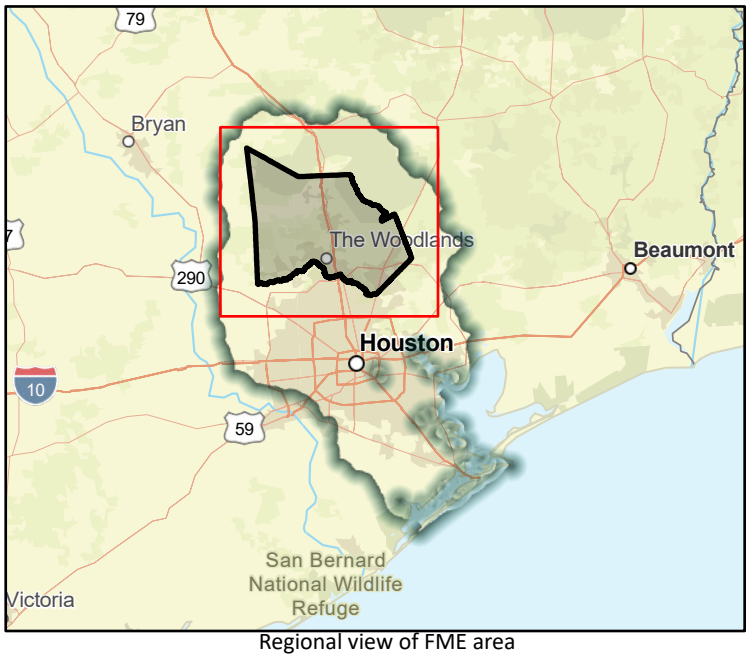
Total Cost: 4,700,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: San Jacinto Flood Mapping Updates

ID#: 061000308

Sponsor (name of entity, not person): 00000047

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: County wide study to produce flood mappping updates including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: No

County: San Jacinto

Watershed HUC# (if known): 06000056,06000053,06000051,06000052,06000063,06000065,0600005

Drainage area (Square miles, est.): 625.69

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 1,376

# of structures: 1,028

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 63.12

Roadway(s) impacted (length): 47.93

Number of low water crossings: 1

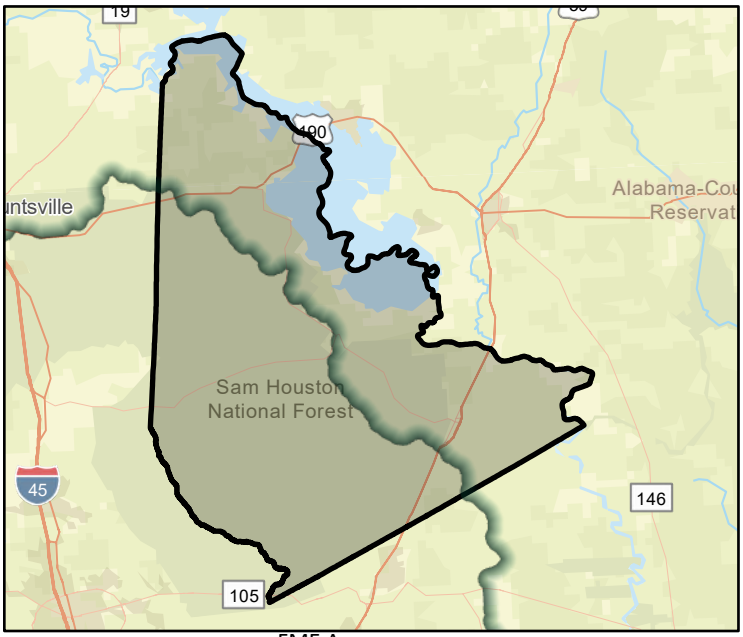
Historical road closures: 1

Estimated Cost and Funding Availability

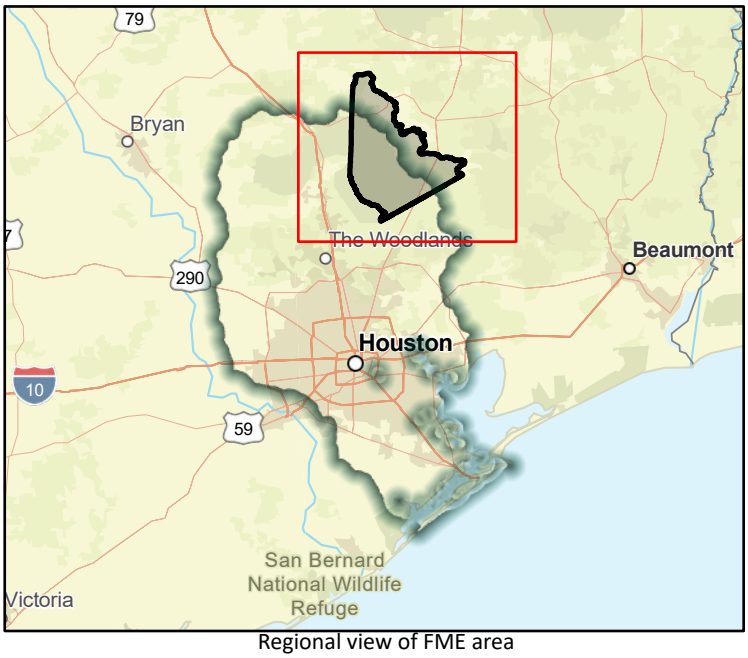
Total Cost: 1,419,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Walker Flood Mapping Updates

ID#: 061000309

Sponsor (name of entity, not person): 00000053

RFPG recommend? Yes | Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: County wide study to produce flood mappping updates including Atlas 14 rainfall.

New Hydrologic or Hydraulic model? Yes | Emergency Need? Yes | Existing/Anticipated models in near term? No

County: Walker | Watershed HUC# (if known): 06000004,06000001,06000002,06000003,06000005,06000006,0600000

Drainage area (Square miles, est.): 797.84 | Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 545 | # of structures: 505 | Critical facilities: 0

Flood risk type: Riverine? Yes | Coastal? No | Local? Yes | Playa? No | Other? No

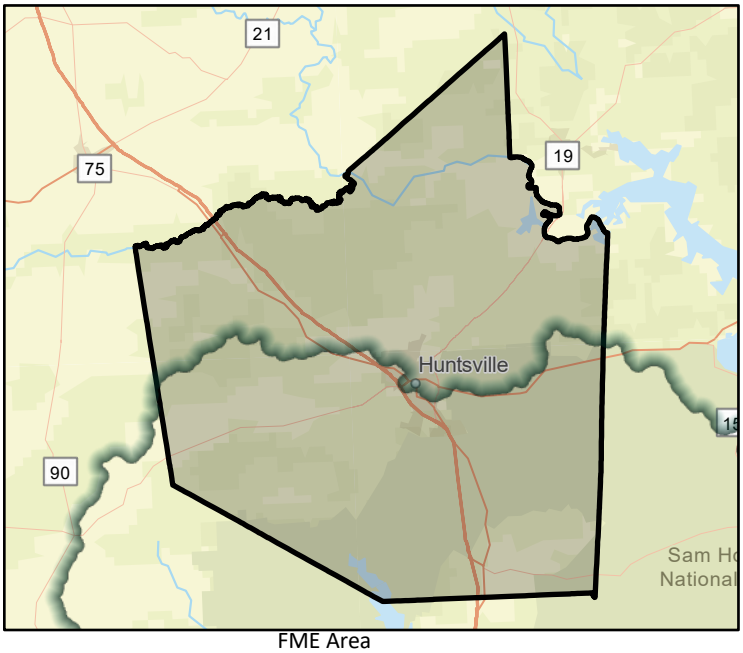
Farm/Ranch land impacted (acres): 180.47 | Roadway(s) impacted (length): 25.43

Number of low water crossings: 2 | Historical road closures: 2

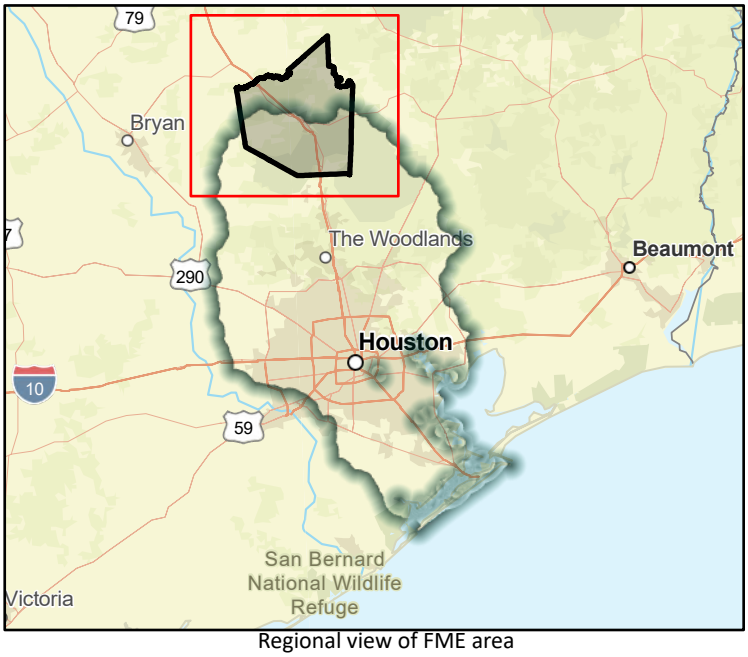
Estimated Cost and Funding Availability

Total Cost: 1,747,000.00 | Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Waller Flood Mapping Updates

ID#: 061000310

Sponsor (name of entity, not person): 00000024

RFPG recommend? Yes | Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: County wide study to produce flood mappping updates including Atlas 14 rainfall.

New Hydrologic or Hydraulic model? Yes | Emergency Need? Yes | Existing/Anticipated models in near term? No

County: Waller | Watershed HUC# (if known): 06000027,06000028,06000036,06000026,06000033,06000034,0600003

Drainage area (Square miles, est.): 515.95 | Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 1,858 | # of structures: 1,064 | Critical facilities: 6

Flood risk type: Riverine? Yes | Coastal? No | Local? Yes | Playa? No | Other? No

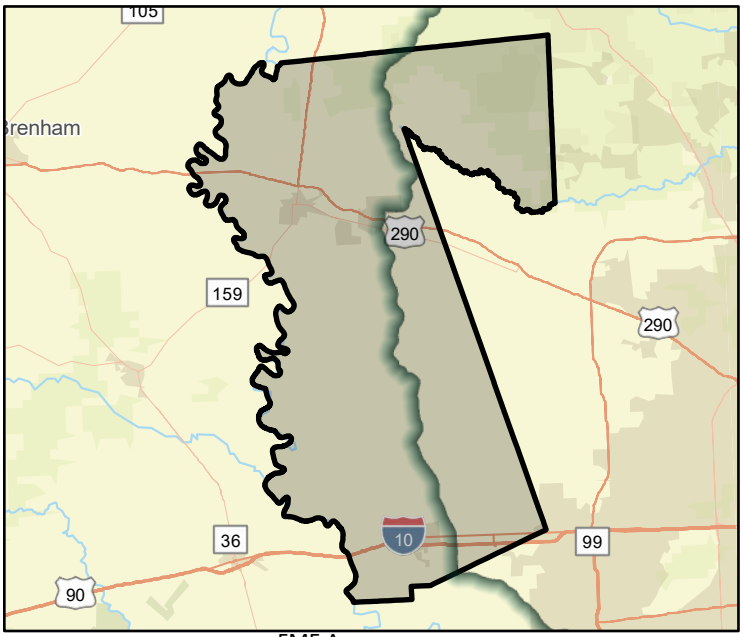
Farm/Ranch land impacted (acres): 1,357.32 | Roadway(s) impacted (length): 40.92

Number of low water crossings: 19 | Historical road closures: 19

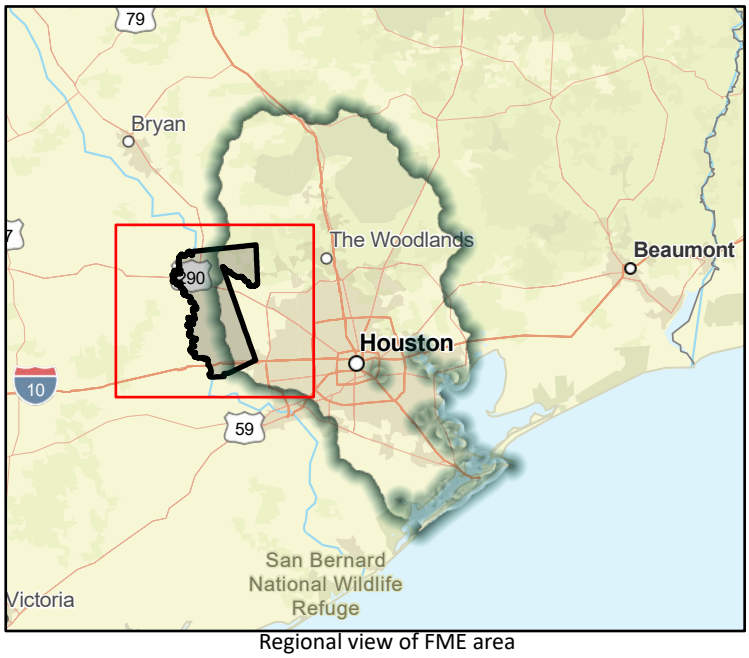
Estimated Cost and Funding Availability

Total Cost: 2,300,000.00 | Amount of Available Funding: 230,000.00

Funding source: General Revenue



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Arcadian Gardens Subdivision Drainage Improvements

ID#: 061000317

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a Cost Benefit Analysis and elevate the project to a FMP. To achieve this goal, the key features of improvments are to rehabilitate roadside swales, build new storm sewers and improve the outfall drainage conditions.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000096

Drainage area (Square miles, est.): 0.32

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 5

# of structures: 5

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.02

Number of low water crossings:

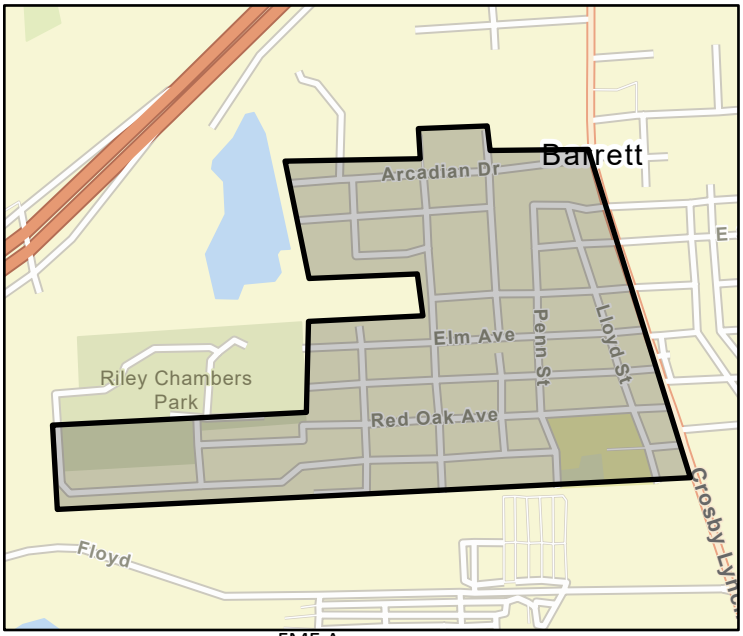
Historical road closures:

Estimated Cost and Funding Availability

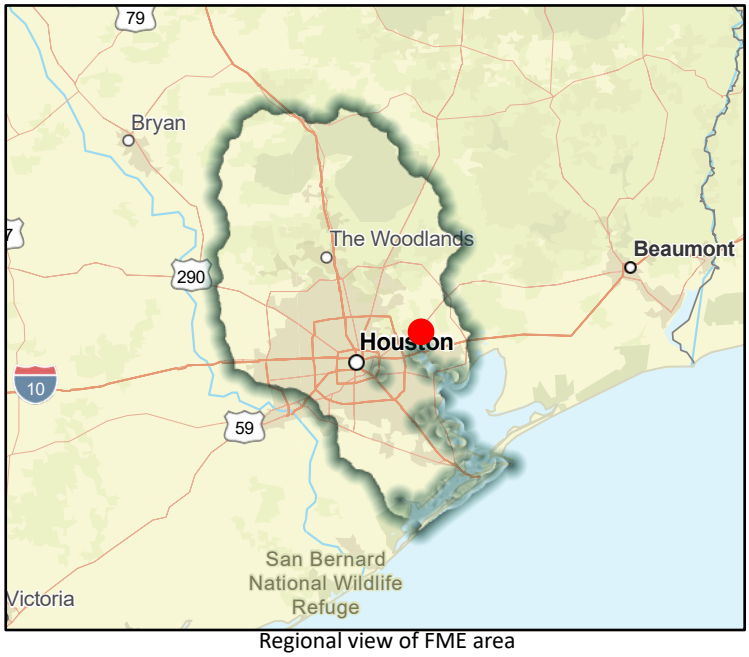
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Fort Bend County Willow Fork Channel Improvements

ID#: 061000318

Sponsor (name of entity, not person): 00002044

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study and BCA development. Combo of 11 different channel improvements were identified along Willow Fork and its tributaries as part of the Fort Bend County Master Drainage Plan that, when combined, will provide a 100-year level of service.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Fort Bend,Harris,Waller

Watershed HUC# (if known): 06000072,06000073,06000074,06000071,06000083

Drainage area (Square miles, est.): 46.10

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 991

# of structures: 403

Critical facilities: 10

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 80.04

Roadway(s) impacted (length): 8.47

Number of low water crossings: 2

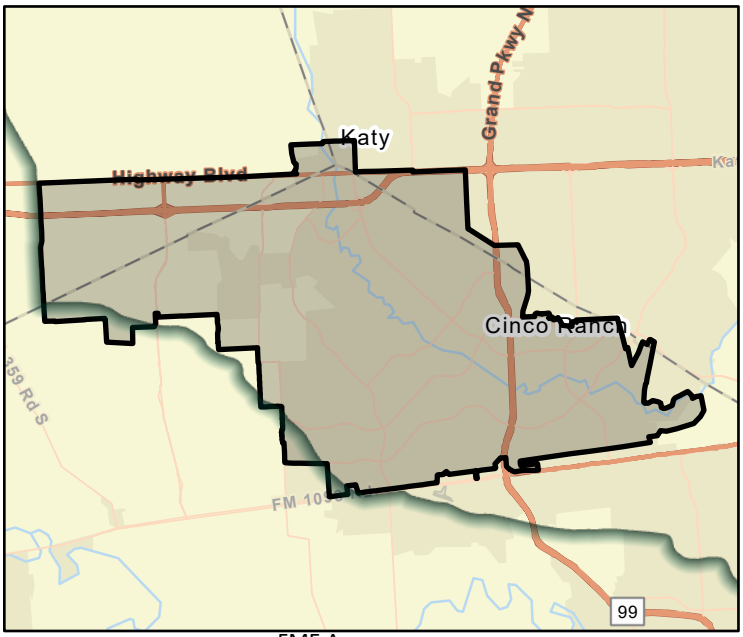
Historical road closures: 2

Estimated Cost and Funding Availability

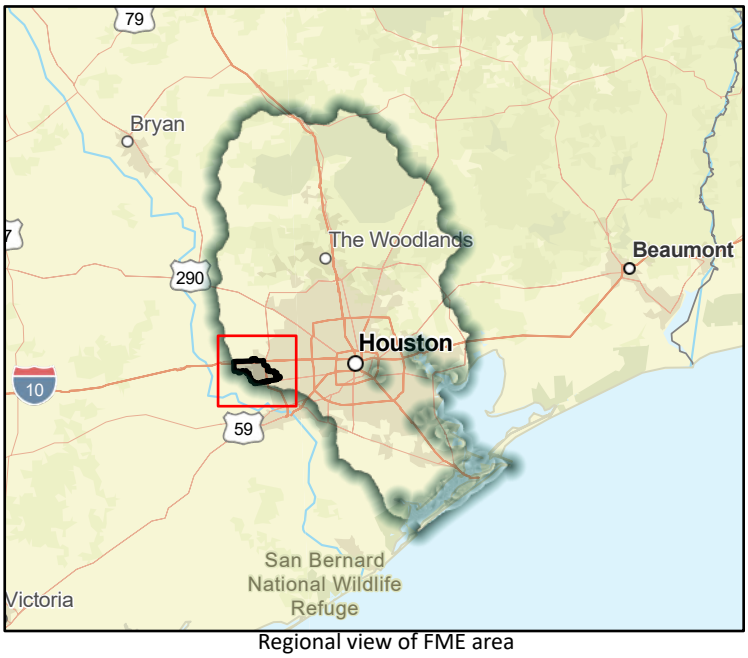
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Jackson Bayou Watershed Planning Project- Immediate: First Street Crossing Mitigation

ID#: 061000322

Sponsor (name of entity, not person): 00000310

RFPG recommend? Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop BCA to become a FMP. Priority ranking #1, 0.5 mile upstream along Jackson Bayou identified to fulfill mitigation efforts. Culvert upsizing recommended at First Street. Improvements produced need or 32.4 acre-feet of detention.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County: Harris

Watershed HUC# (if known): 06000096

Drainage area (Square miles, est.): 0.51

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 495

# of structures: 111

Critical facilities: 8

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 1.75

Roadway(s) impacted (length): 1.40

Number of low water crossings: 0

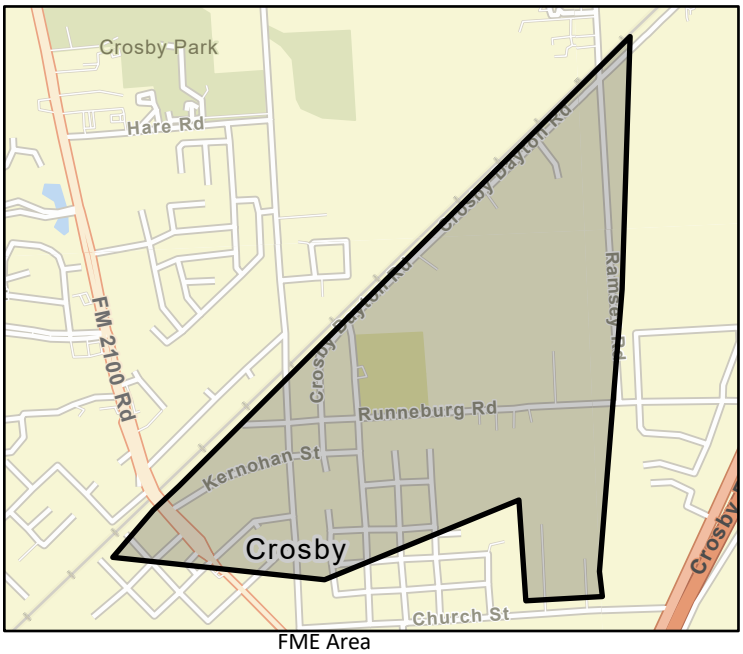
Historical road closures: 0

Estimated Cost and Funding Availability

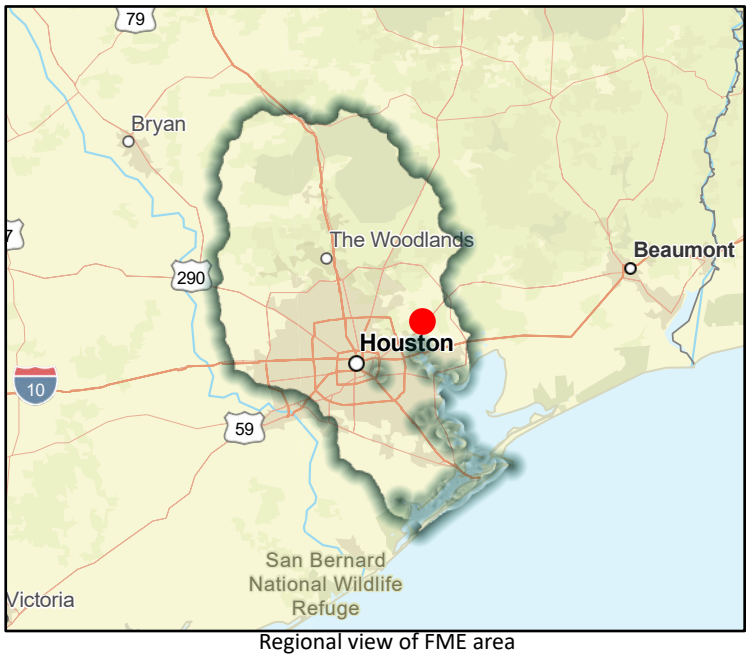
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: B106-WP01 & WP02 for Armand Bayou Watershed

ID#: 061000323

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Conveyance improvements for B106-00-00 channel, including detention/mitigation storage.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000098,06000106

Drainage area (Square miles, est.): 9.77

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,478

# of structures: 473

Critical facilities: 0

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 20.94

Roadway(s) impacted (length): 7.05

Number of low water crossings: 0

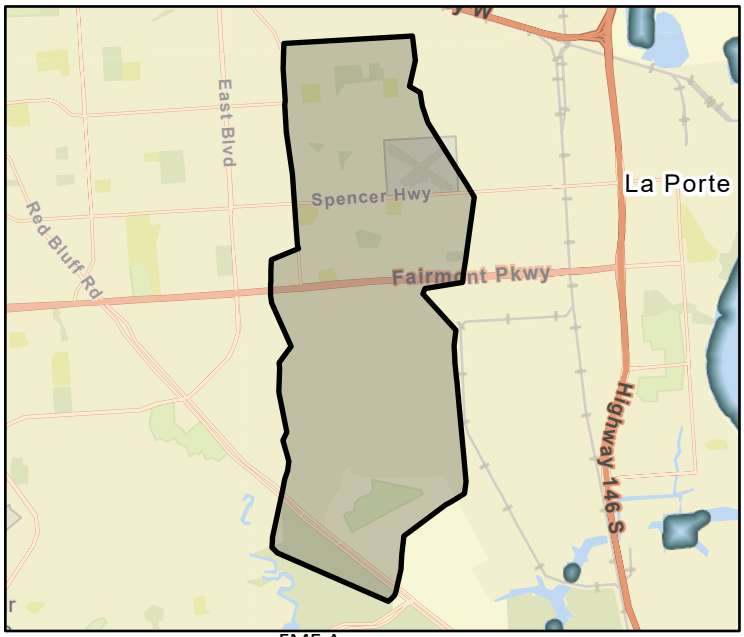
Historical road closures: 0

Estimated Cost and Funding Availability

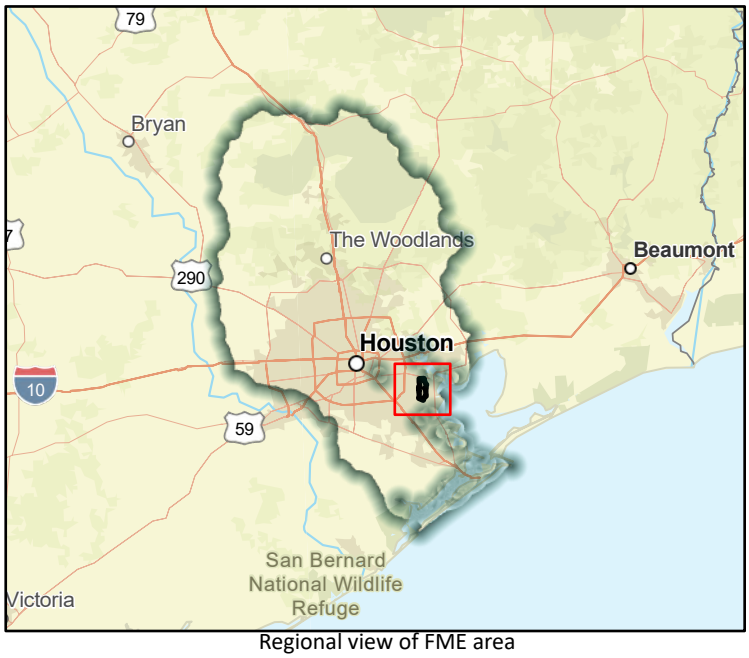
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Barker Reservoir Flood Risk Reduction and Park Project

ID#: 061000324

Sponsor (name of entity, not person): 06000928

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to further the proposed project. FIF application information unavailable.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Fort Bend,Harris,Waller

Watershed HUC# (if known): 06000073

Drainage area (Square miles, est.): 27.08

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 252

# of structures: 115

Critical facilities: 2

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 20.46

Roadway(s) impacted (length): 1.41

Number of low water crossings: 0

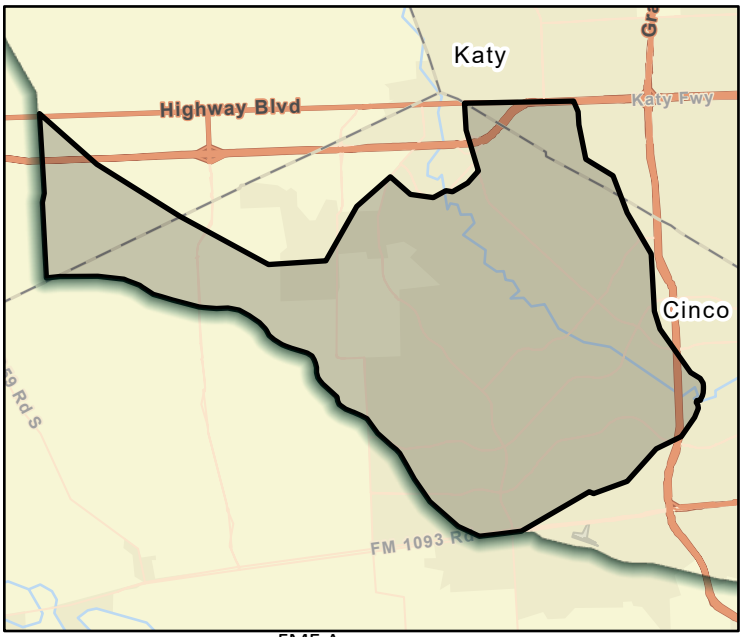
Historical road closures: 0

Estimated Cost and Funding Availability

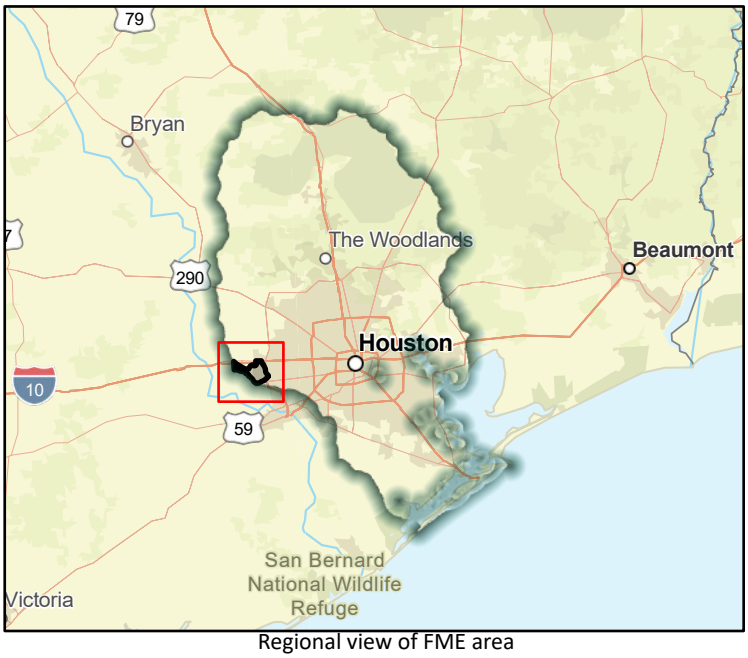
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title I100-WP01 Vince Bayou Watershed Planning Project Recommendation

ID# 061000326

Sponsor (name of entity, not person) 00000310

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a BCR required for this project to become a FMP. Alt-6 Detention basin and channel widening near Strawberry Road on left bank of Vince Bayou.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris Watershed HUC# (if known) 06000086,06000095,06000106

Drainage area (Square miles, est.) 15.23 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 4,840 # of structures 1,144 Critical facilities 11

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

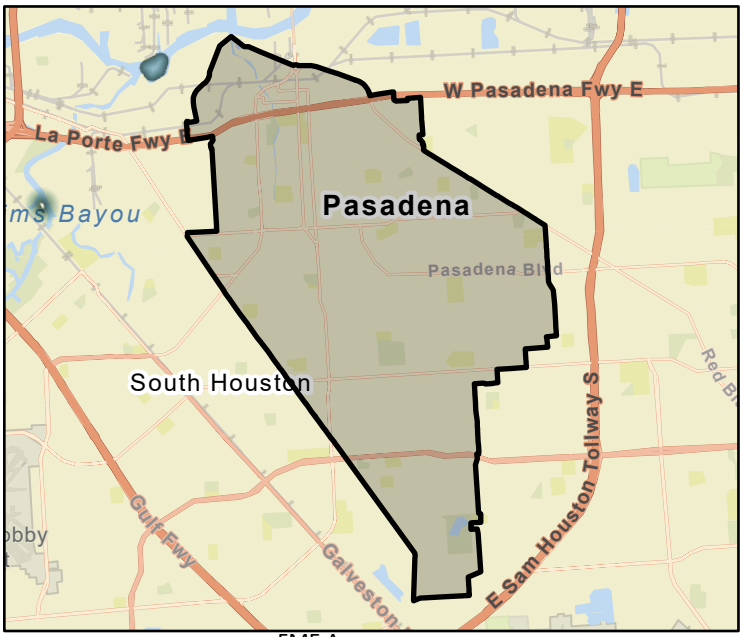
Farm/Ranch land impacted (acres) 1.87 Roadway(s) impacted (length) 19.07

Number of low water crossings 1 Historical road closures 1

Estimated Cost and Funding Availability

Total Cost 30,000.00 Amount of Available Funding

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title I100-WP06 for Vince Bayou Watershed Planning Project

ID# 061000329

Sponsor (name of entity, not person) 00000020

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Right-of-way acquisition, design, and construction of a stormwater detention basin and channel widening near Strawberry Road and Young Street.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris Watershed HUC# (if known) 06000086,06000095,06000106

Drainage area (Square miles, est.) 15.23 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 4,840 # of structures 1,144 Critical facilities 11

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? No

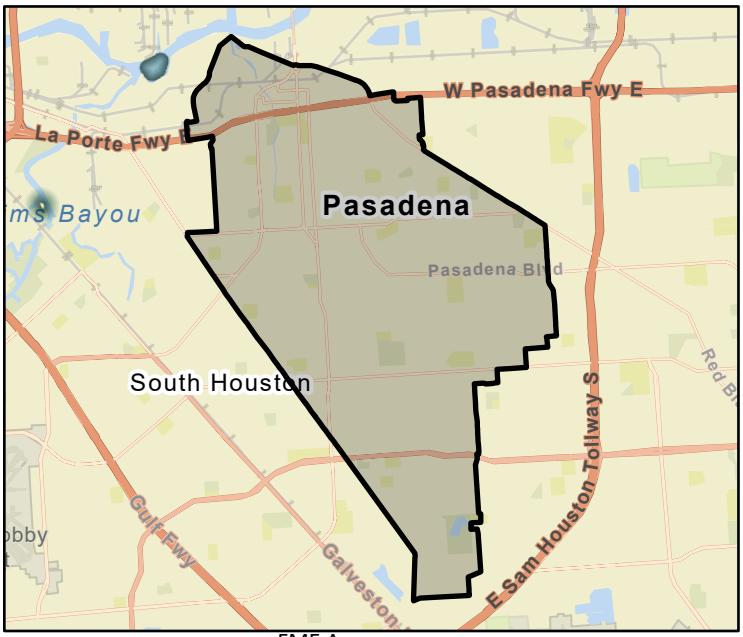
Farm/Ranch land impacted (acres) 1.87 Roadway(s) impacted (length) 19.07

Number of low water crossings 1 Historical road closures 1

Estimated Cost and Funding Availability

Total Cost 30,000.00 Amount of Available Funding

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title I100-WP10 for Vince Bayou Watershed Planning Project

ID# 061000330

Sponsor (name of entity, not person) 00000020

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Right-of-way acquisition, Design, and Construction of Two Stormwater Detention Basins near Westside Dr. and Westside. Ct.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris Watershed HUC# (if known) 06000086,06000095,06000106

Drainage area (Square miles, est.) 15.23 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 4,840 # of structures 1,144 Critical facilities 11

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? No

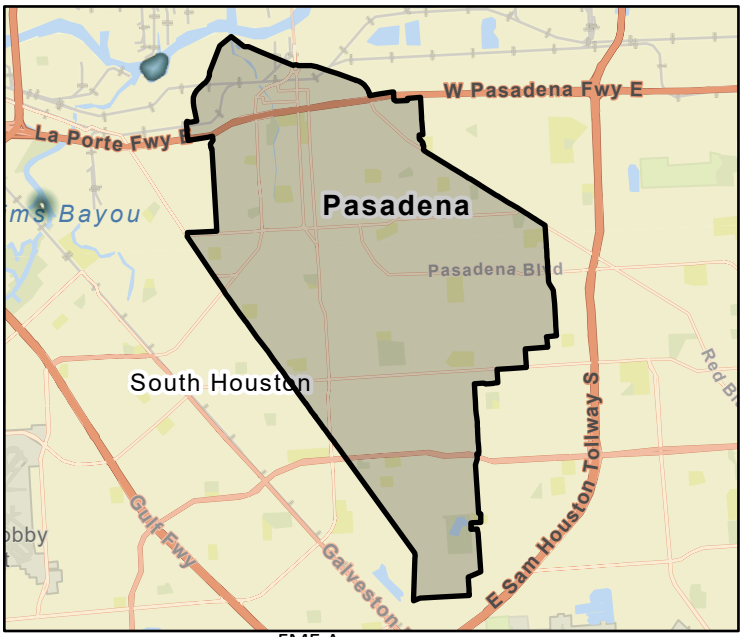
Farm/Ranch land impacted (acres) 1.87 Roadway(s) impacted (length) 19.07

Number of low water crossings 1 Historical road closures 1

Estimated Cost and Funding Availability

Total Cost 30,000.00 Amount of Available Funding

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title I100-WP07 for Vince Bayou Watershed Planning Project

ID# 061000331

Sponsor (name of entity, not person) 00000020

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a BCR needed for this project to become a FMP. Pasadena (CIP) Street Lowering (Various). Right-of-way acquisition, Design, and Construction of Stormwaters Detention Basin and construction of Culverts near Pasadena Blvd..

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris Watershed HUC# (if known) 06000086,06000095,06000106

Drainage area (Square miles, est.) 15.23 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 4,840 # of structures 1,144 Critical facilities 11

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? No

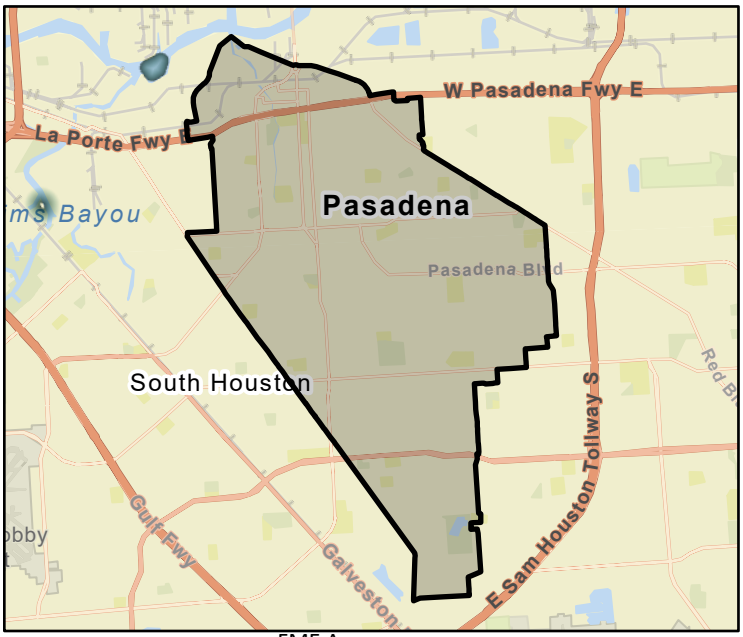
Farm/Ranch land impacted (acres) 1.87 Roadway(s) impacted (length) 19.07

Number of low water crossings 1 Historical road closures 1

Estimated Cost and Funding Availability

Total Cost 30,000.00 Amount of Available Funding

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title I100-WP11 for Vince Bayou Watershed Planning Project

ID# 061000332

Sponsor (name of entity, not person) 00000020

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Right-of-way acquisition, Design, and Construction of Stormwater Detention Basins near Spencer Hwy. and Tulip Street.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris Watershed HUC# (if known) 06000086,06000095,06000106

Drainage area (Square miles, est.) 15.23 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 4,840 # of structures 1,144 Critical facilities 11

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? No

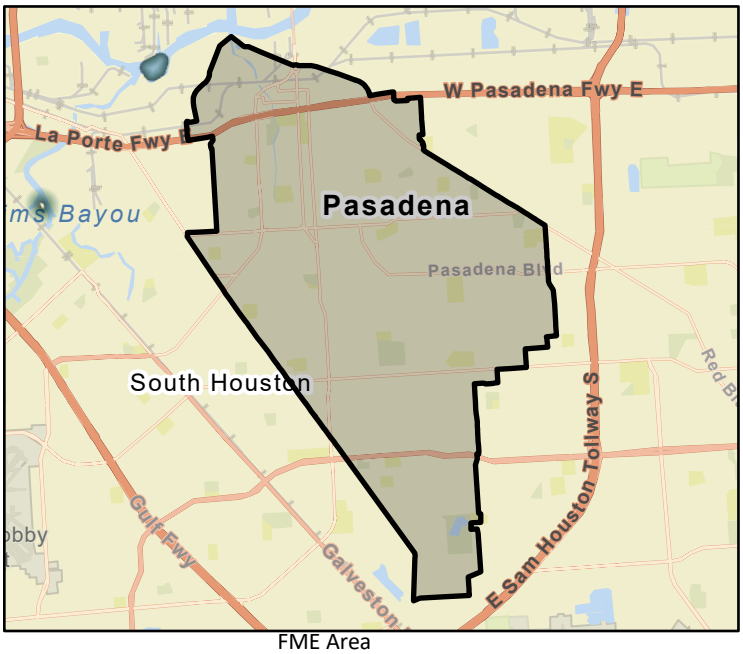
Farm/Ranch land impacted (acres) 1.87 Roadway(s) impacted (length) 19.07

Number of low water crossings 1 Historical road closures 1

Estimated Cost and Funding Availability

Total Cost 30,000.00 Amount of Available Funding

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Carpenters Planing Study Cloverleaf Community Flood Risk Reduction Project (Phase 1 and 2)

ID#: 061000333

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a BCR required for this project to become a FMP. Drainage system upgrade using combination of 9'x7' RCB spanning 3,000' and a 109 acre-feet detention facility providing drainage relief for this portion of the Cloverleaf Community.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000094,06000092

Drainage area (Square miles, est.): 0.74

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures: 0

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.00

Number of low water crossings:

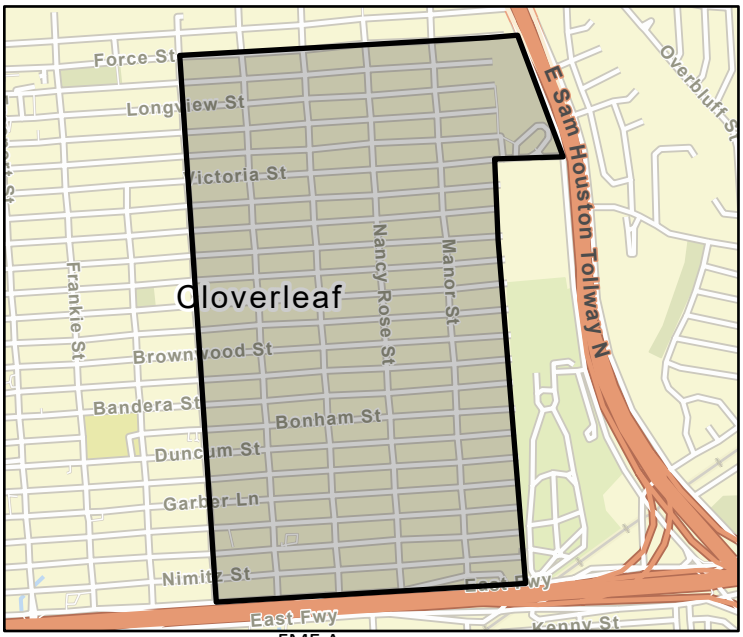
Historical road closures:

Estimated Cost and Funding Availability

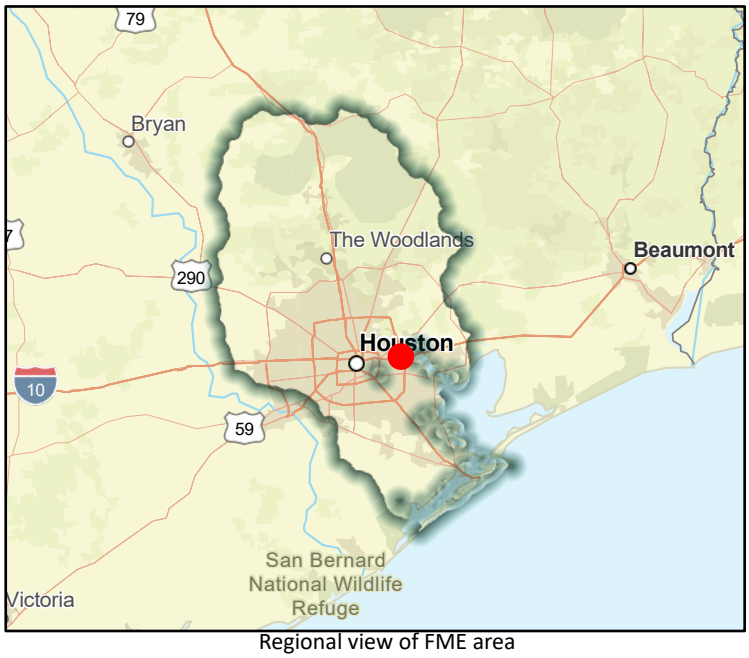
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Spring Creek Watershed Plan- Recommended Alternative for PA-02: J131-01-00 Storm Sewer improvements & channel modification

ID#: 061000337

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a BCR required for this project to become a FMP. Channel modifications along J131-01 & storm sewer improvements under Zion Road, reduces sheetflow by providing positive drainage outfall for ~200 ac of land.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000037,06000041,06000042

Drainage area (Square miles, est.): 4.70

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 25

# of structures: 15

Critical facilities: 1

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.60

Roadway(s) impacted (length): 0.81

Number of low water crossings: 1

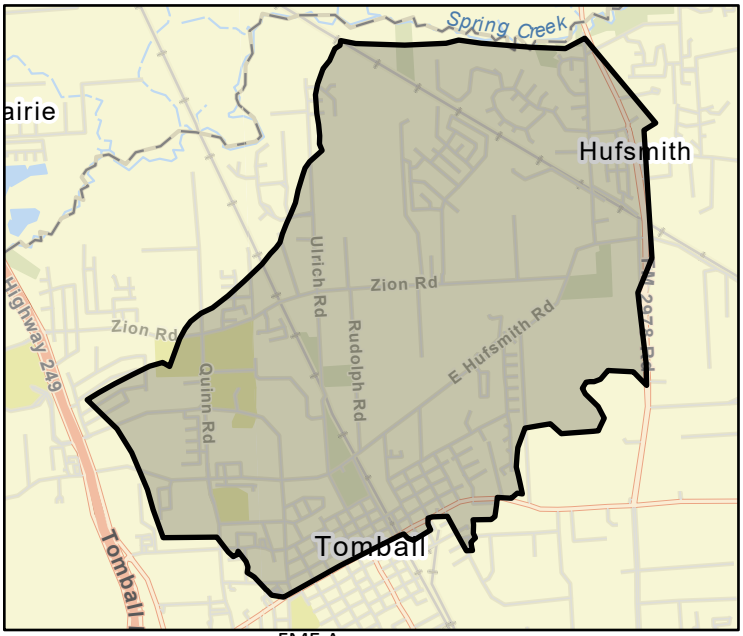
Historical road closures: 1

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Willow Creek Watershed Plan - Immediate: Selective Clearing BNRR to Mouth

ID#: 061000338

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a BCR required for this project to become a FMP. Selective clearing from BNRR to mouth to increase riverine storm water conveyance, maintain tree canopy & veg. diversity, minimize impact on riparian & uplands habitats.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000031,06000041,06000042,06000044

Drainage area (Square miles, est.): 27.82

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,435

# of structures: 860

Critical facilities: 6

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 15.99

Roadway(s) impacted (length): 11.35

Number of low water crossings: 5

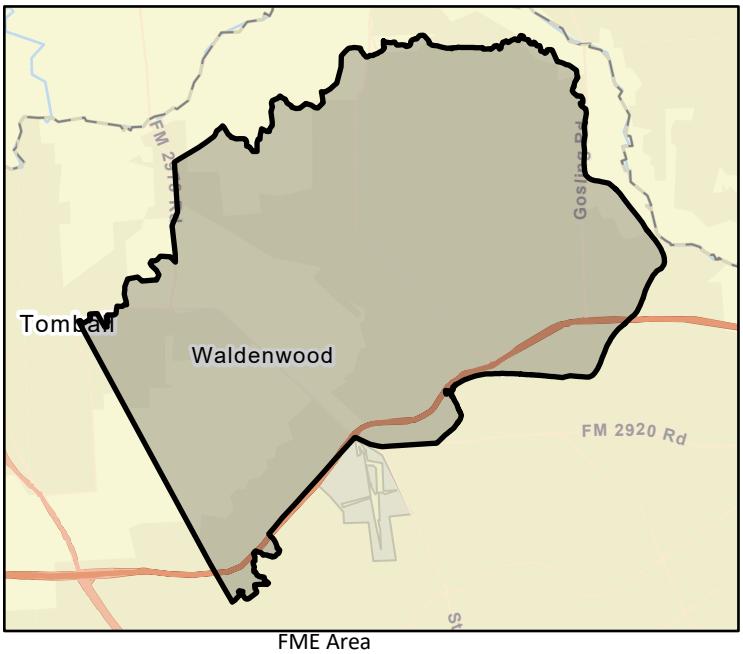
Historical road closures: 5

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source: Harris County Bond Program 2018



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Willow Creek Watershed Plan - FM2920 Stormwater Detention Basin

ID#: 061000340

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Proposed 826 acre-feet detention basin located near FM 2920 crossing of Willow Creek.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000030,06000031,06000037,06000041,06000042,06000044

Drainage area (Square miles, est.): 55.37

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,575

# of structures: 1,317

Critical facilities: 7

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 68.14

Roadway(s) impacted (length): 36.03

Number of low water crossings: 8

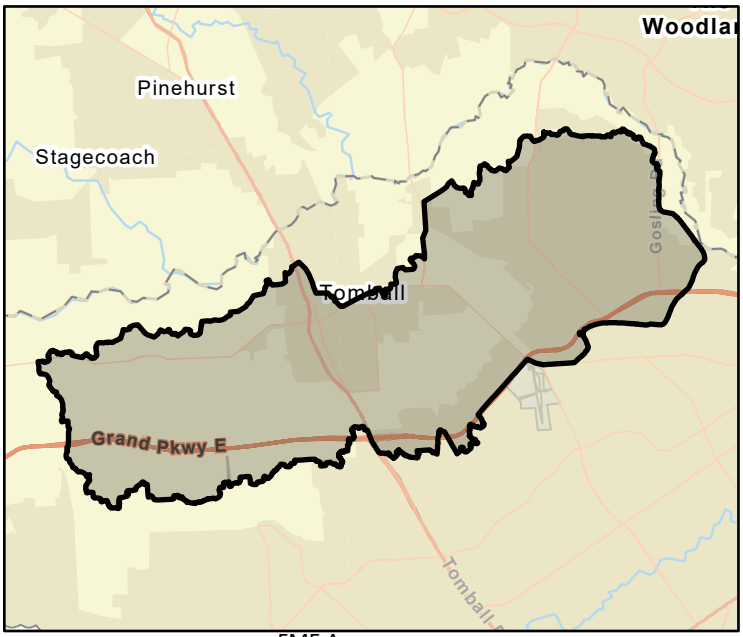
Historical road closures: 8

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Willow Creek Watershed Plan - Kuykendahl Basin

ID#: 061000341

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Proposed 727 acre-feet detention basin located near Kuykendahl Road crossing of Willow Creek.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000030,06000031,06000037,06000041,06000042,06000044

Drainage area (Square miles, est.): 55.37

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,575

# of structures: 1,317

Critical facilities: 7

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 68.14

Roadway(s) impacted (length): 36.03

Number of low water crossings: 8

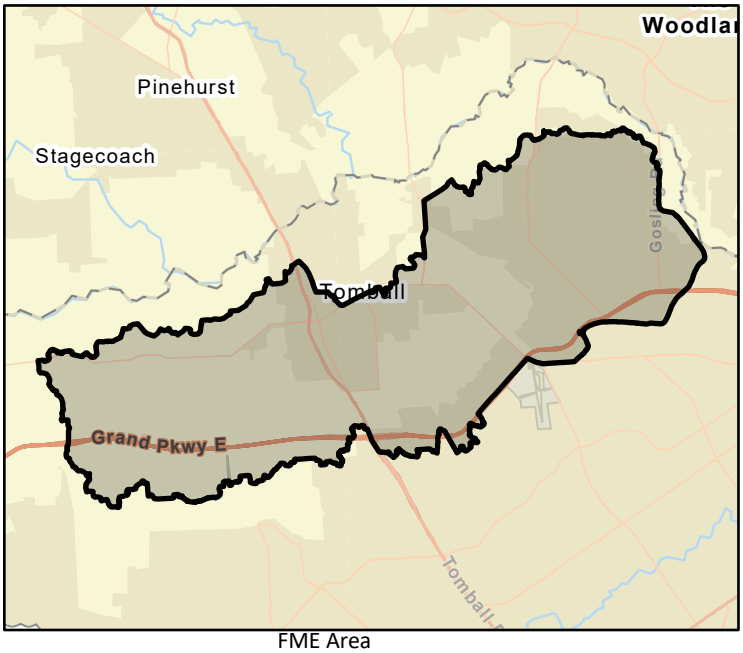
Historical road closures: 8

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Willow Creek Watershed Plan - M121 Basin Stormwater Detention Basin

ID#: 061000342

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Proposed 1010 acre-feet detention basin located near M121 tributary.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000030,06000031,06000037,06000041,06000042,06000044

Drainage area (Square miles, est.): 55.37

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,575

# of structures: 1,317

Critical facilities: 7

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 68.14

Roadway(s) impacted (length): 36.03

Number of low water crossings: 8

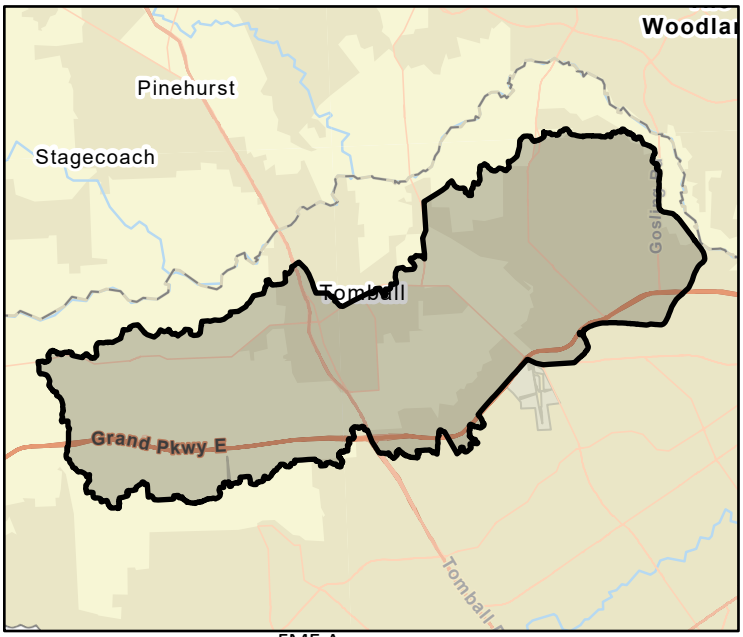
Historical road closures: 8

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Galveston Bay Watershed Plan- PA01 (N+6) Channel & Crossing Improvements

ID#: 061000343

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop BCA to become FMP. Channel deepening from N Broadway St to N Utah St, convert open channel segment to closed conduit w/ 8'x5' concrete boxes b/w N Utah St & Main St, replace concrete pipe w/ dual 8'x5' concrete box culvert outfall to F212.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000106

Drainage area (Square miles, est.): 1.13

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 562

# of structures: 259

Critical facilities: 7

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.14

Roadway(s) impacted (length): 5.10

Number of low water crossings: 0

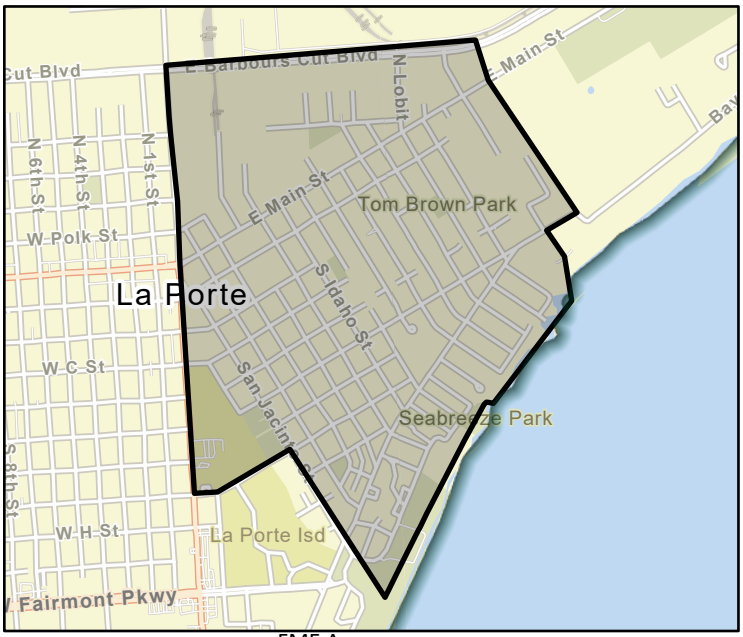
Historical road closures: 0

Estimated Cost and Funding Availability

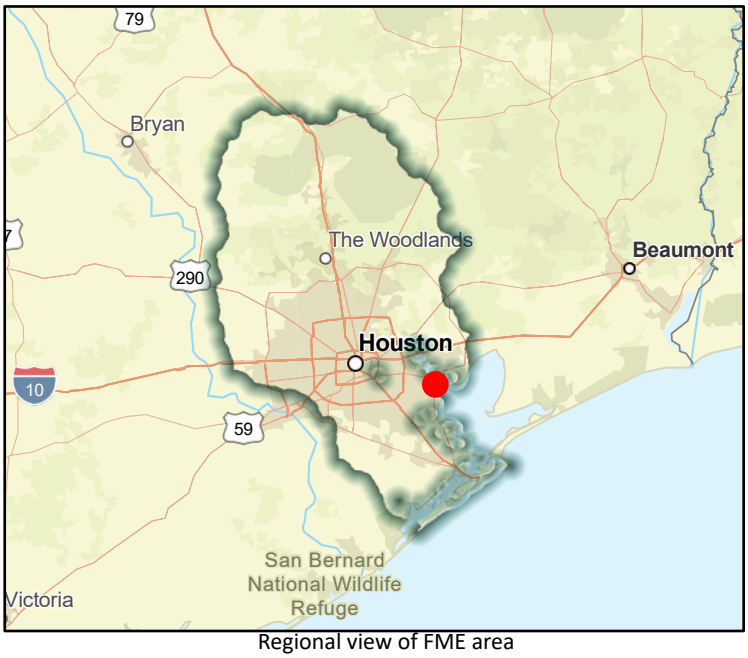
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Spring Gully Watershed Planning Project- Project Phase I

ID#: 061000345

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop BCA to become FMP. 108 ac-ft of detention storage. Basin A w/ 95 ac-ft of storage, 10 ft depth, inlet & outlet structures consist of 2 culverts & weir. Basin B w/ 13 ac-ft of storage, 10.5 ft depth, inlet & outlet structures of culvert & weir.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000097

Drainage area (Square miles, est.): 3.31

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 588

# of structures: 346

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 2.42

Number of low water crossings: 0

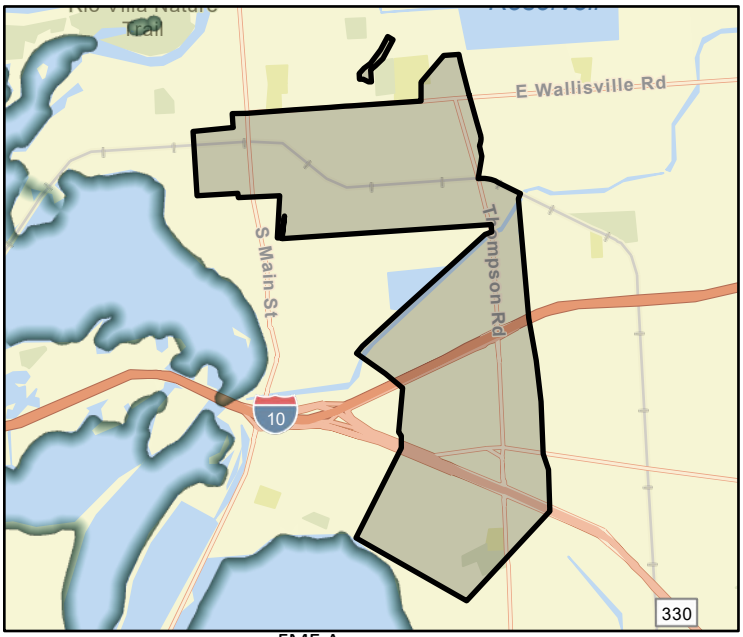
Historical road closures: 0

Estimated Cost and Funding Availability

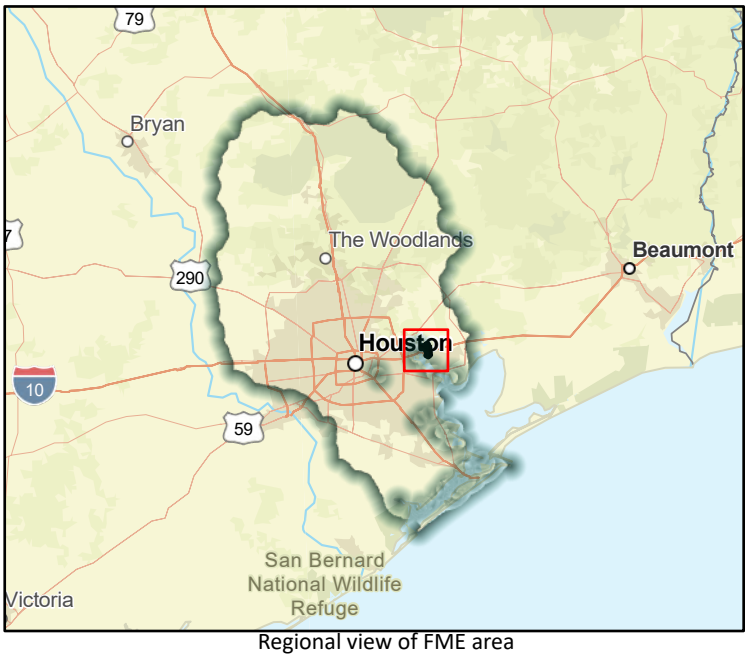
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Spring Gully Watershed Planning Project- Project Phase II

ID#: 061000346

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop BCA to become a FMP. Independent of Phase I. Phase II includes addition of Stormwater Detention Basin C, with 80 acre-feet of detention storage w/ 9.5 ft depth & an inlet and outlet structure consisting of a culvert & a weir.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000097

Drainage area (Square miles, est.): 3.31

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 588

# of structures: 346

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 2.42

Number of low water crossings: 0

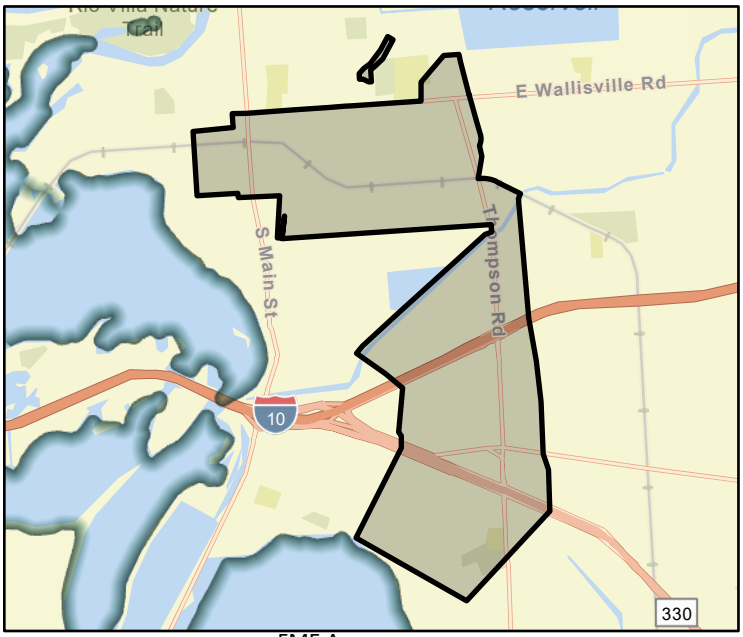
Historical road closures: 0

Estimated Cost and Funding Availability

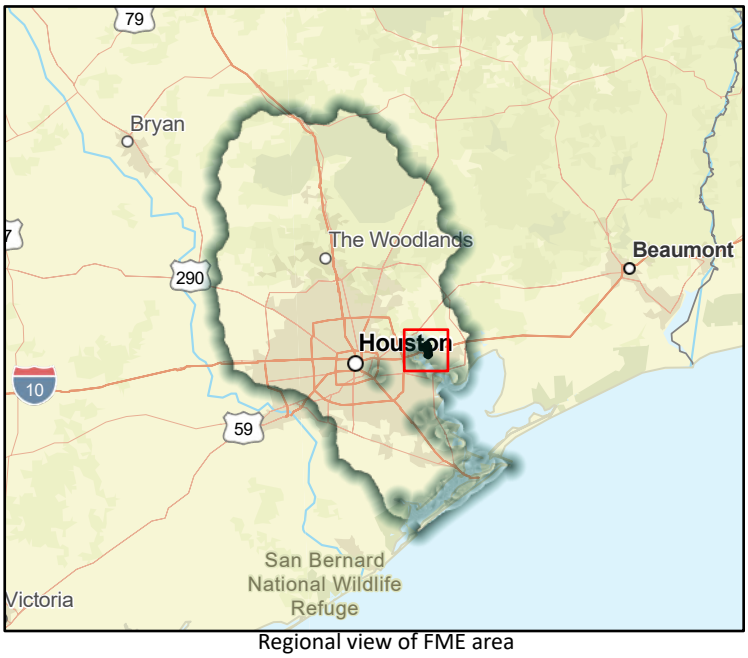
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Spring Gully Watershed Planning Project- Project Phase III

ID#: 061000347

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Complete after phase 2. Relief channel intended to outfall into Stormwater Detention Basin C from Phase 2. Consists of trapezoidal 850-foot channel with cross culvert sized at Prairie Street. Upstream of the culvert crossing, the bottom width is 8 ft.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000097

Drainage area (Square miles, est.): 3.31

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 588

# of structures: 346

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 2.42

Number of low water crossings: 0

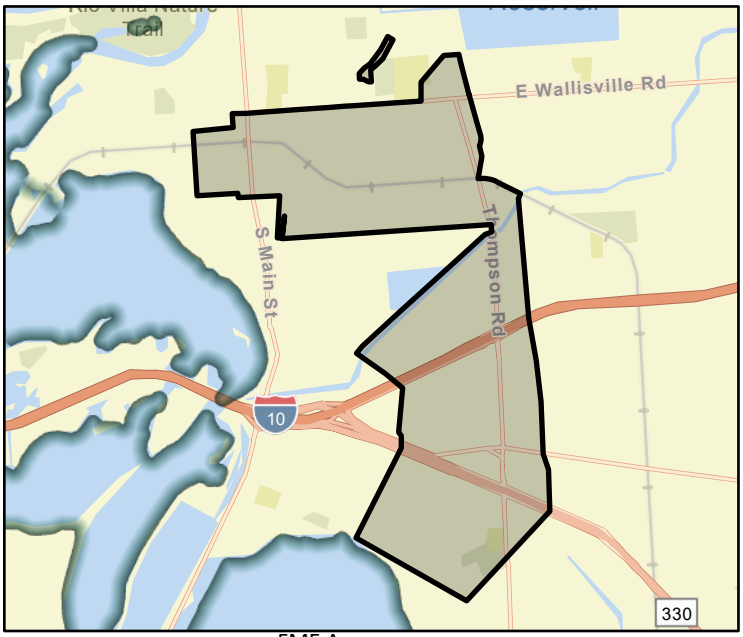
Historical road closures: 0

Estimated Cost and Funding Availability

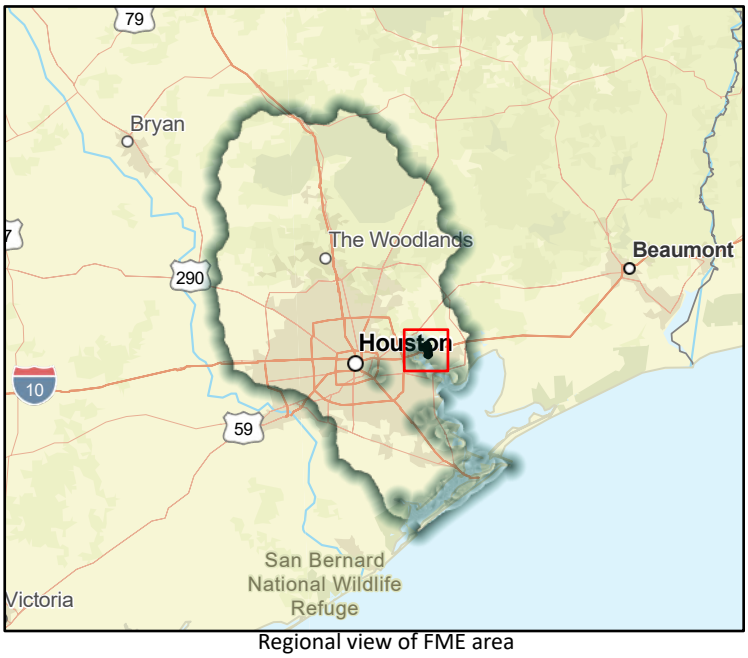
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F216-00-00

ID#: 061000348

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. The project could reduce the risk of flooding for more than 450 structures in an Atlas 14 1% rainfall event.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000098,06000106

Drainage area (Square miles, est.): 2.91

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 800

# of structures: 384

Critical facilities: 7

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? No

Farm/Ranch land impacted (acres): 0.67

Roadway(s) impacted (length): 10.15

Number of low water crossings: 0

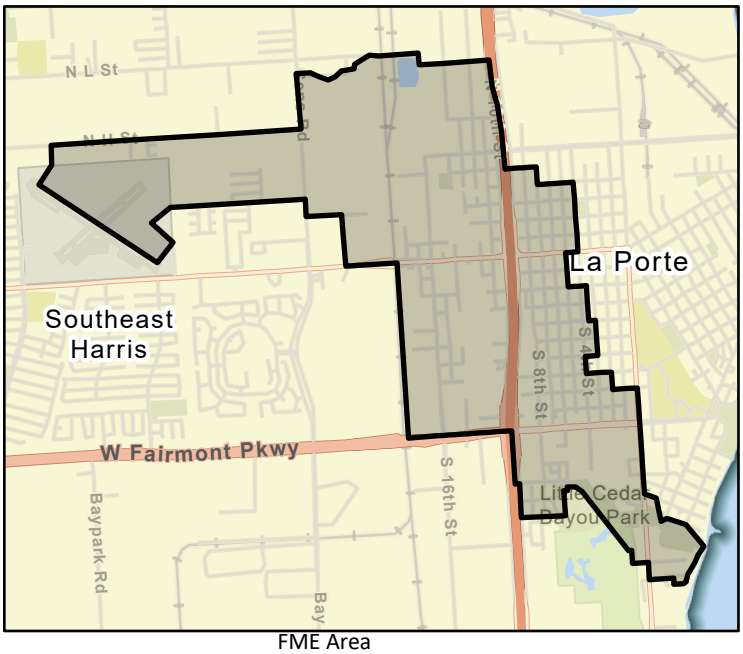
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F101-06-00

ID#: 061000349

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. The project could reduce the risk of flooding for over 40 structures in an Atlas 14 1% rainfall event.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000098,06000106

Drainage area (Square miles, est.): 2.01

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures:

Critical facilities:

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.00

Number of low water crossings:

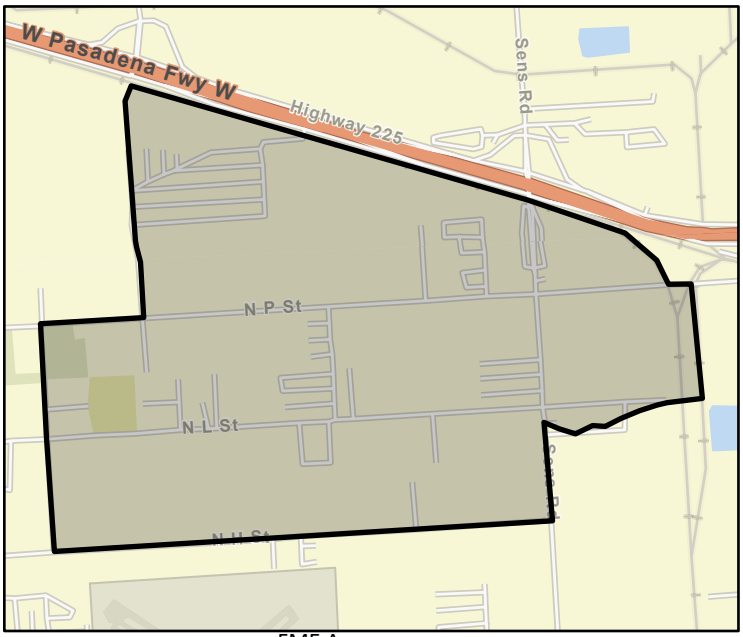
Historical road closures:

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Galveston Bay Watershed Plan- PA04 (S+4) Crossing Improvements

ID#: 061000350

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Recommended alternative directly addresses need for improved channel conveyance by increasing the size of the crossings at El Jardin Dr and Youpon Dr. to 8'x5' box culverts.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Chambers,Harris

Watershed HUC# (if known): 06000106

Drainage area (Square miles, est.): 0.50

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 390

# of structures: 190

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.42

Roadway(s) impacted (length): 2.77

Number of low water crossings: 0

Historical road closures: 0

Estimated Cost and Funding Availability

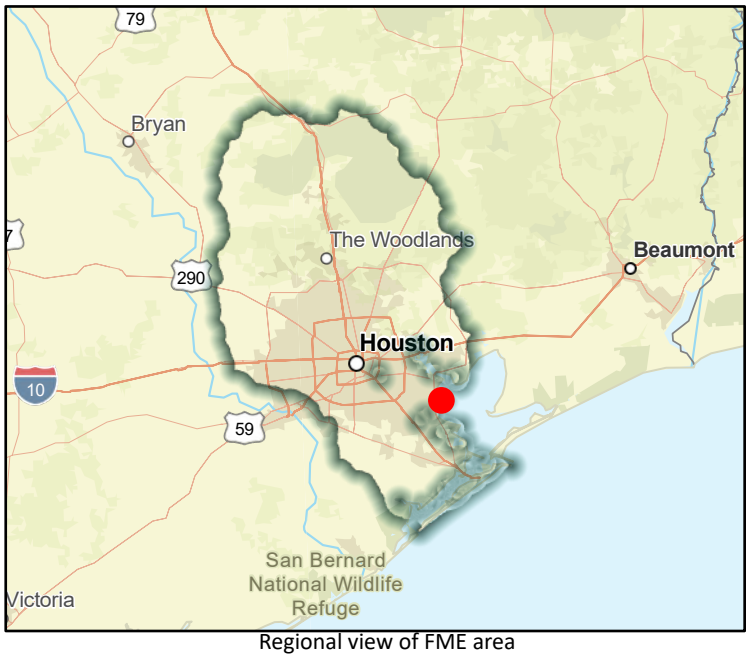
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: TC Jester Detention Basin

ID#: 061000353

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of a 25 acre stormwater detention basin. Estimated construction cost is $10,047,910. This application is requesting $10,000,000.00 of these funds.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000031,06000032,06000042,06000044,06000045,06000087,0600008

Drainage area (Square miles, est.): 92.81

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 11,450

# of structures: 2,993

Critical facilities: 51

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 44.08

Roadway(s) impacted (length): 59.86

Number of low water crossings: 4

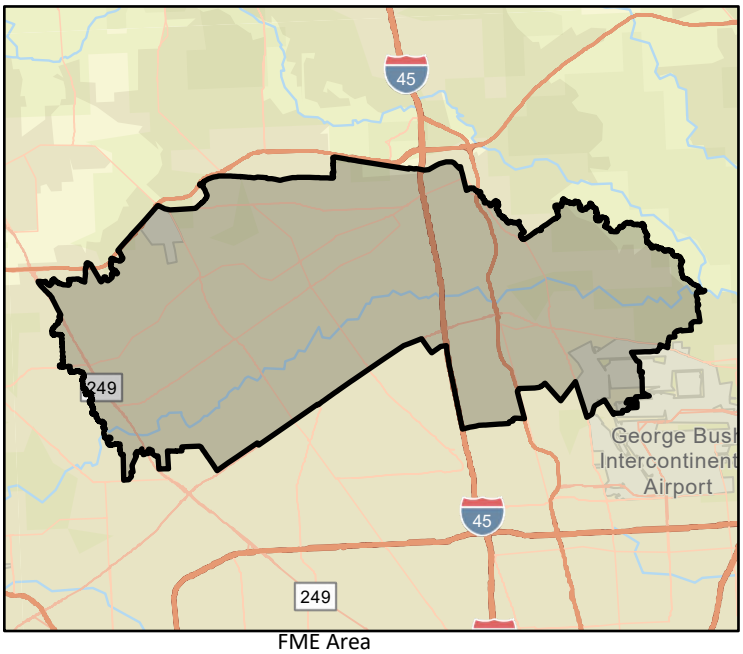
Historical road closures: 4

Estimated Cost and Funding Availability

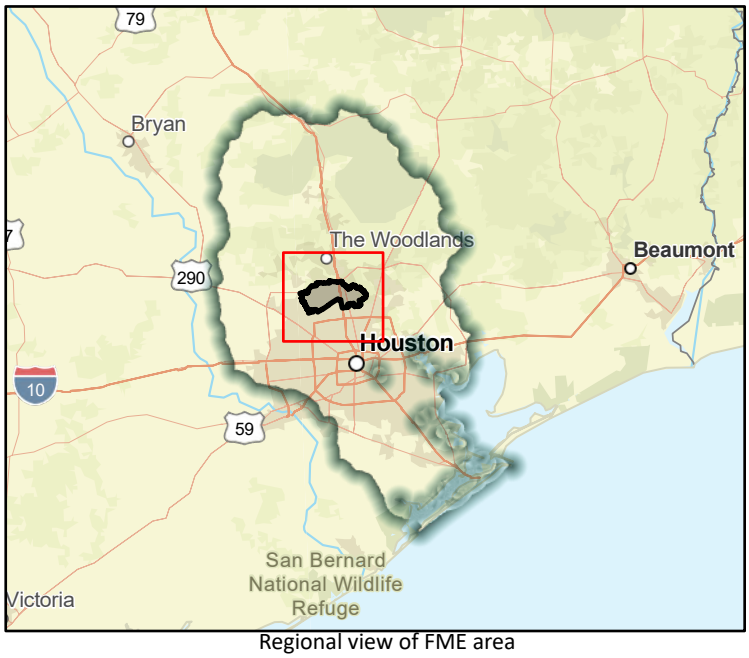
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Halls Bayou Drainage Project Bond C-26 & C-27

ID#: 061000354

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000091,06000087,06000079,06000090,06000092,06000081,0600008

Drainage area (Square miles, est.): 1.57

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 4,495

# of structures: 1,431

Critical facilities: 8

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 9.65

Number of low water crossings: 1

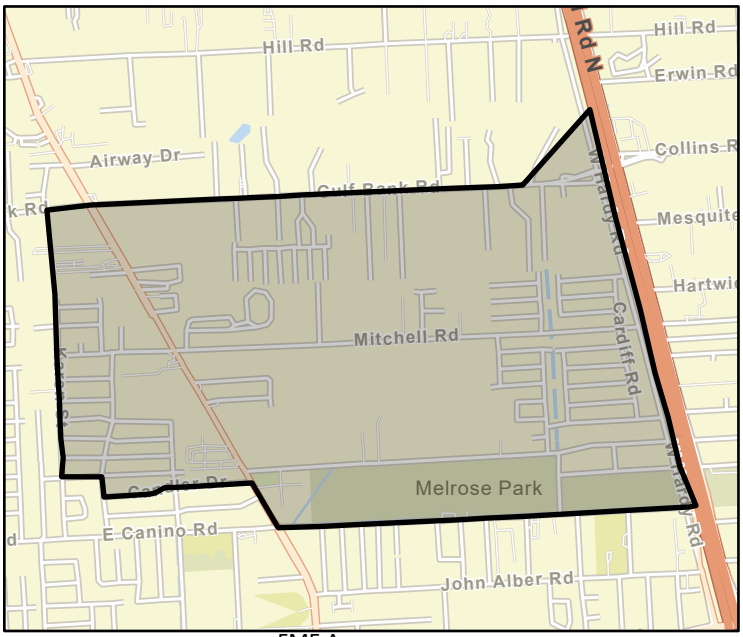
Historical road closures: 1

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Halls Bayou Drainage Project Bond C-01

ID#: 061000355

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000091,06000087,06000079,06000090,06000092,06000081,0600008

Drainage area (Square miles, est.): 6.01

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 7,827

# of structures: 3,186

Critical facilities: 13

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.23

Roadway(s) impacted (length): 31.84

Number of low water crossings: 1

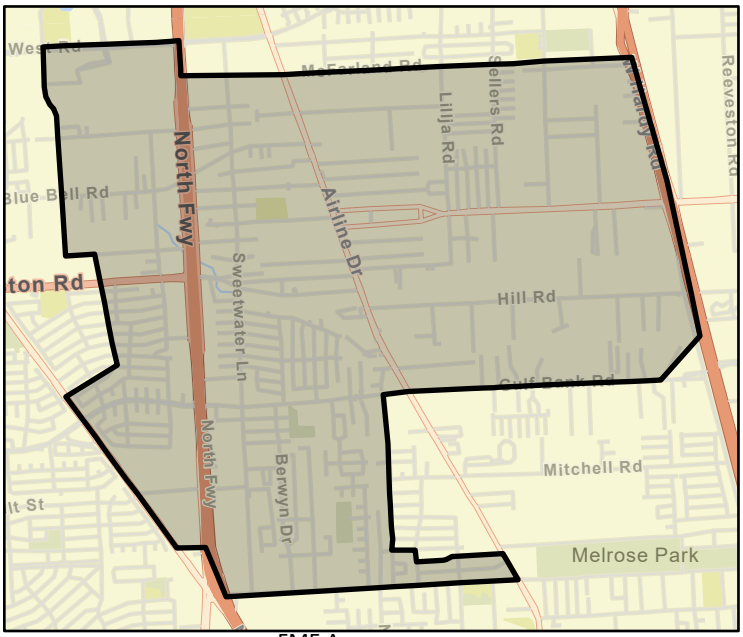
Historical road closures: 1

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Westador Stormwater Detention Basin

ID#: 061000356

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a BCR required for this project to become a FMP. The Westador Detention Basin is a proposed detention mitigation project within the Cypress Creek Watershed and located south of Cypress Creek and east and west of K141-00-00.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000031,06000032,06000042,06000044,06000045,06000087,0600008

Drainage area (Square miles, est.): 92.81

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 11,450

# of structures: 2,993

Critical facilities: 51

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 44.08

Roadway(s) impacted (length): 59.86

Number of low water crossings: 4

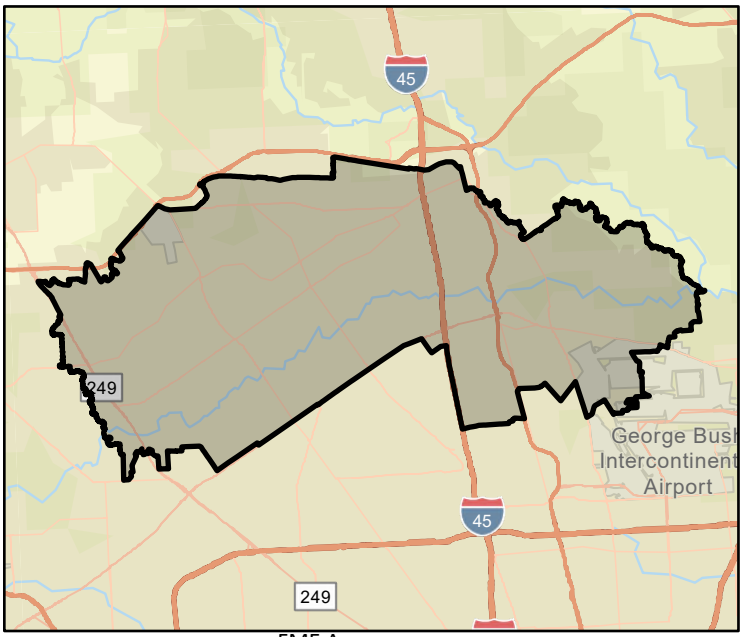
Historical road closures: 4

Estimated Cost and Funding Availability

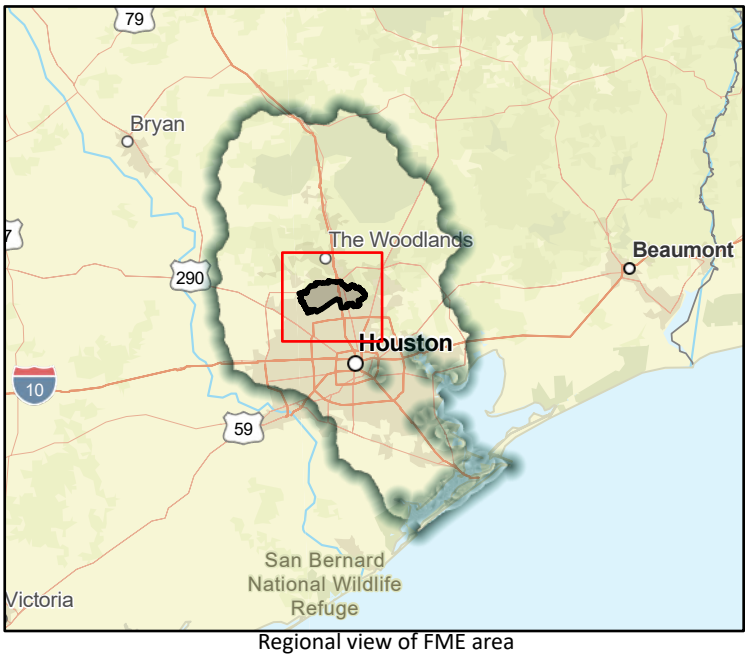
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Little Cypress Creek - Management, Right-of-Way Acquisition, Design and Construction of the Little Cypress Creek Frontier Program

ID#: 061000358

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a BCR required for this to become a FMP. The Little Cypress Creek Frontier program will reduce the risk of flooding and include detention, sediment control, vegetation management and other flood risk management projects.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000028,06000029,06000031,06000026,06000030,06000037,0600004

Drainage area (Square miles, est.): 52.10

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,734

# of structures: 1,213

Critical facilities: 14

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 192.02

Roadway(s) impacted (length): 18.59

Number of low water crossings: 4

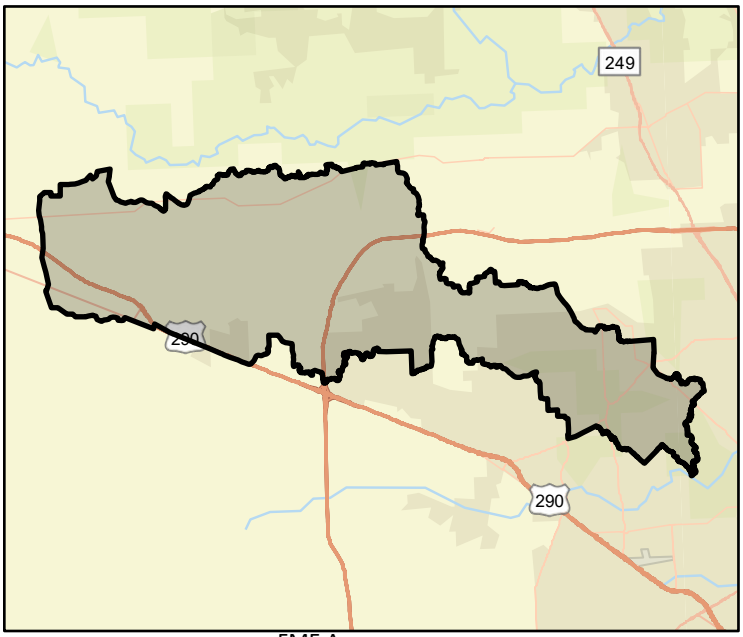
Historical road closures: 4

Estimated Cost and Funding Availability

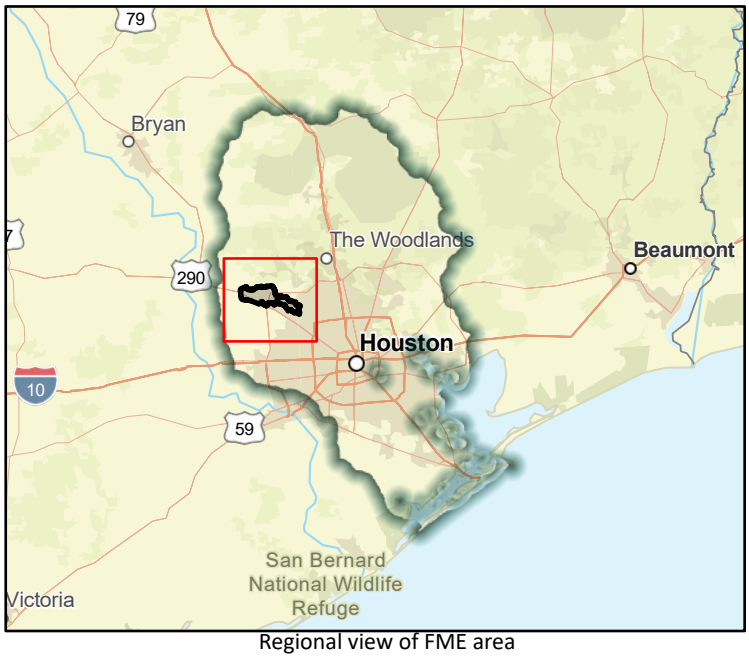
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title G103-80-03.1B (Taylor Gully)

ID# 061000361

Sponsor (name of entity, not person) 00000310

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a BCR required for this project to become a FMP. Improvements to Taylor Gully include two miles of channel conveyance improvements to the upper limits of Taylor Gully and a concrete low flow structure.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris, Montgomery Watershed HUC# (if known) 06000024,06000055,06000070

Drainage area (Square miles, est.) 2.05 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 1,517 # of structures 582 Critical facilities 0

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

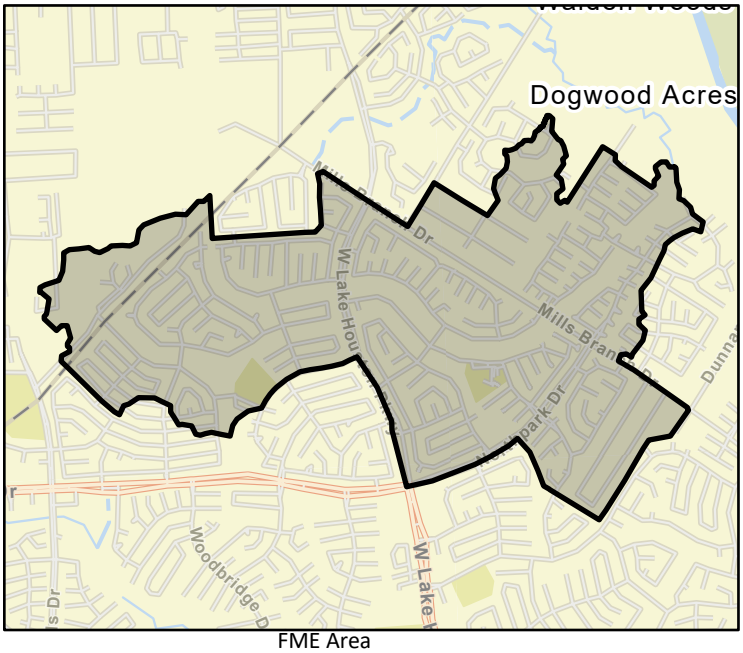
Farm/Ranch land impacted (acres) 0.43 Roadway(s) impacted (length) 8.38

Number of low water crossings 1 Historical road closures 1

Estimated Cost and Funding Availability

Total Cost 30,000.00 Amount of Available Funding

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Goose Creek O119-00-00-P001 (Alt 2A1)

ID#: 061000362

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of channel modifications and in-line stormwater detention along O119 to facilitate Harris County drainage improvements in Highland Mobile Estates.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000097,06000102

Drainage area (Square miles, est.): 0.23

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures:

Critical facilities:

Flood risk type: Riverine?: Yes Coastal?: No Local?: No Playa?: No Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.00

Number of low water crossings:

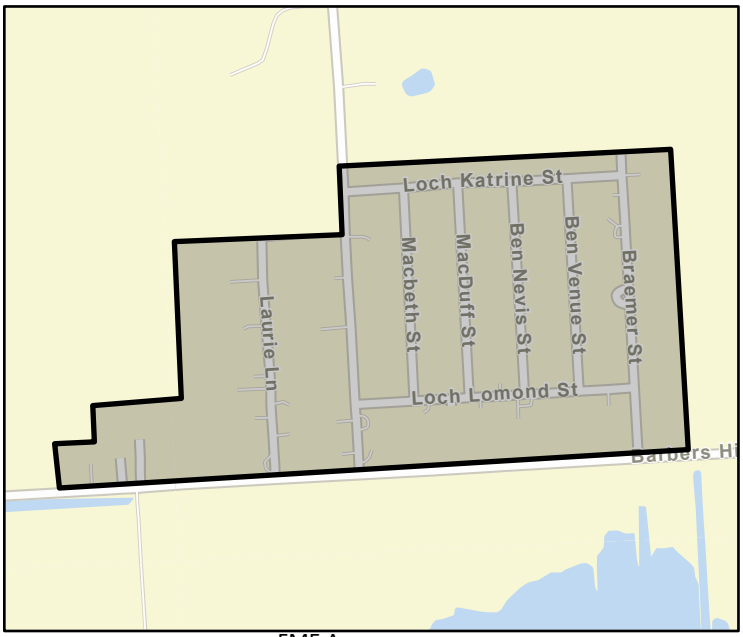
Historical road closures:

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Goose Creek O119-00-00-P001 (Alt 2A3)

ID#: 061000363

Sponsor (name of entity, not person): 00000310

RFPG recommend? Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Secondary option for the recommended alternative with less benefits and project cost.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County: Harris

Watershed HUC# (if known): 06000097,06000102

Drainage area (Square miles, est.): 0.23

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures:

Critical facilities:

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.00

Number of low water crossings:

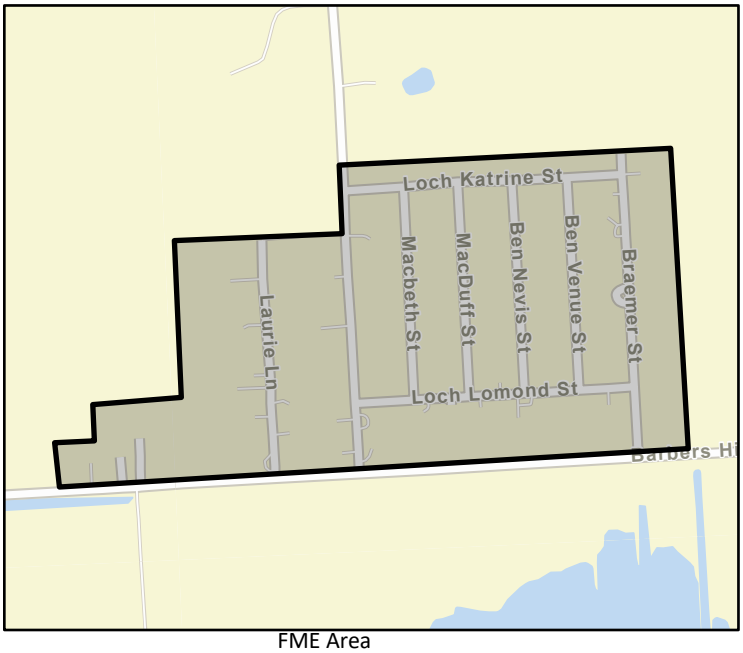
Historical road closures:

Estimated Cost and Funding Availability

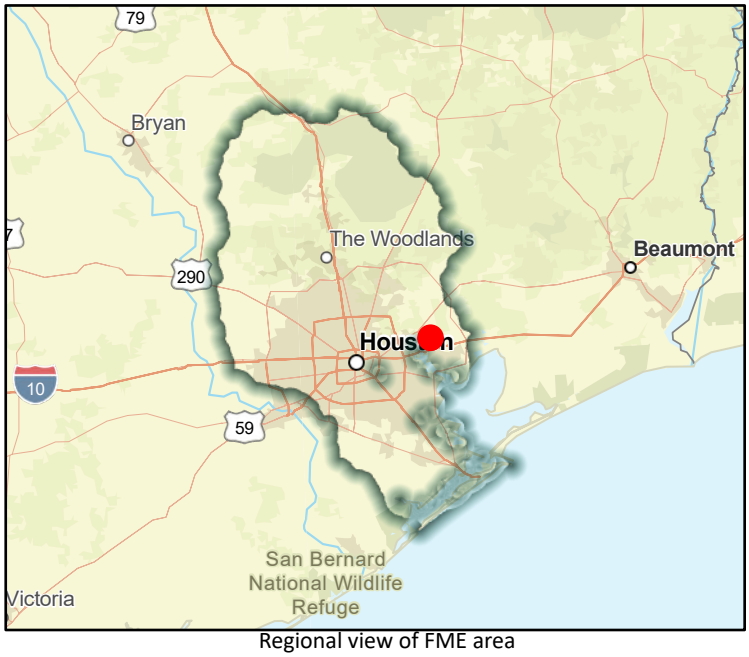
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Sims Bayou C116 Storm Sewer Improvement (C116-00-00-P001) From Mykawa Road to Telephone Road

ID#: 061000364

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a BCR required for this project to become a FMP. To increase the system C116 capacity, Alternative 1 adds capacity to the C116 system trunkline through an additional parallel trunkline, from Dixie Drive to Sims Bayou.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000086

Drainage area (Square miles, est.): 1.39

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures: 0

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.00

Number of low water crossings:

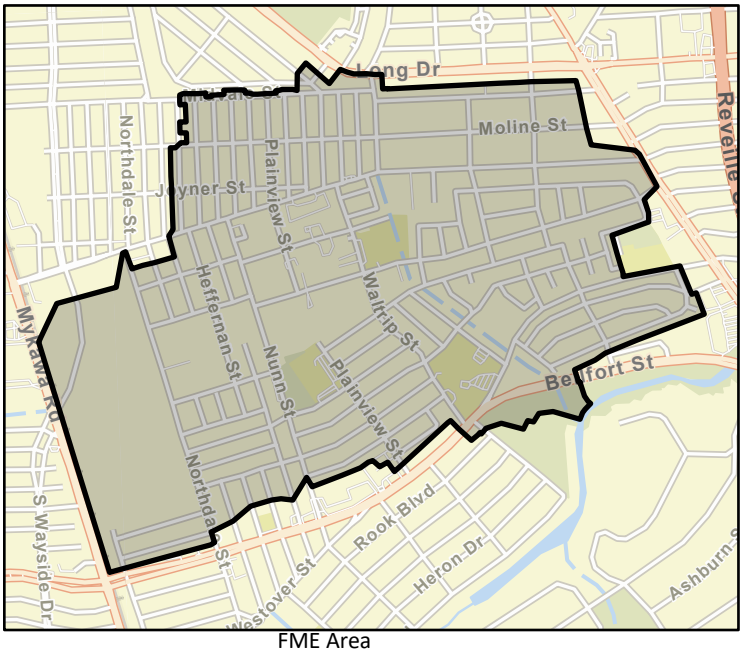
Historical road closures:

Estimated Cost and Funding Availability

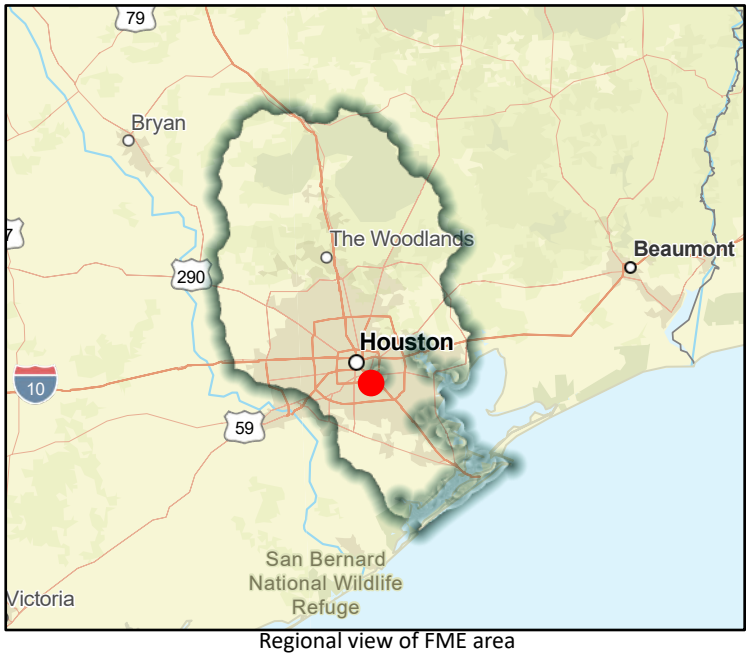
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Greens Bayou - Planning, Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along P138-01-01

ID#: 061000366

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Potential federal funded project, the risk of flooding could be reduced for approximately 100 structures in a pre-Atlas 1% rainfall event.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000090,06000089

Drainage area (Square miles, est.): 1.06

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 133

# of structures: 41

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.33

Roadway(s) impacted (length): 0.59

Number of low water crossings: 0

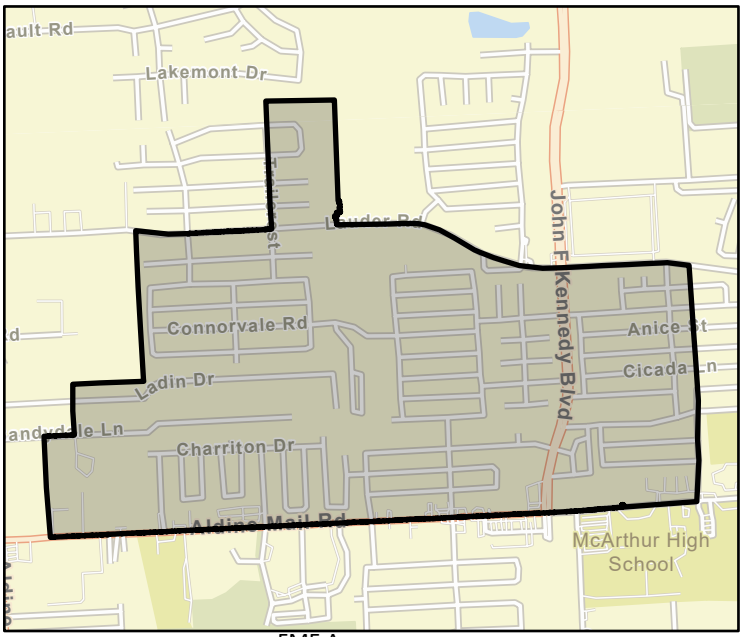
Historical road closures: 0

Estimated Cost and Funding Availability

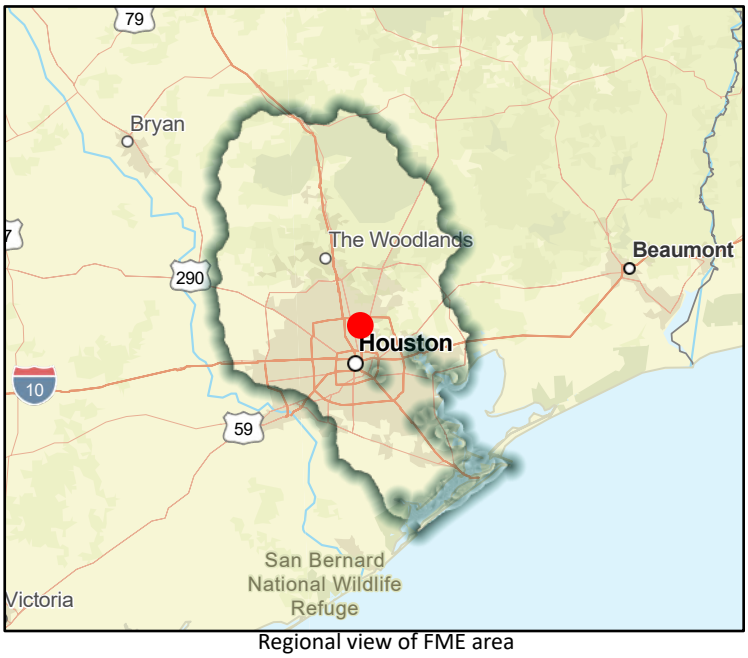
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou (Q100-00-00)

ID#: 061000367

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Chambers,Harris

Watershed HUC# (if known): 06000098,06000104,06000105

Drainage area (Square miles, est.): 28.42

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 774

# of structures: 230

Critical facilities: 7

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 47.41

Roadway(s) impacted (length): 7.63

Number of low water crossings: 0

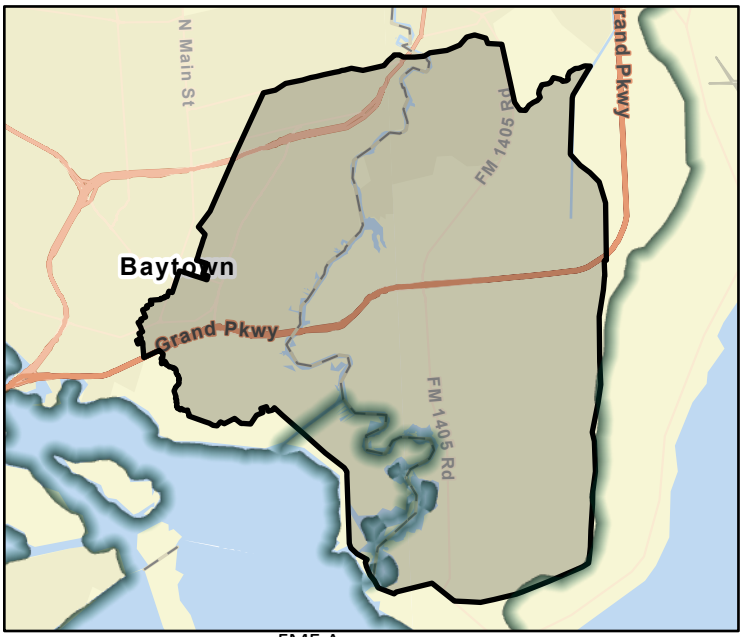
Historical road closures: 0

Estimated Cost and Funding Availability

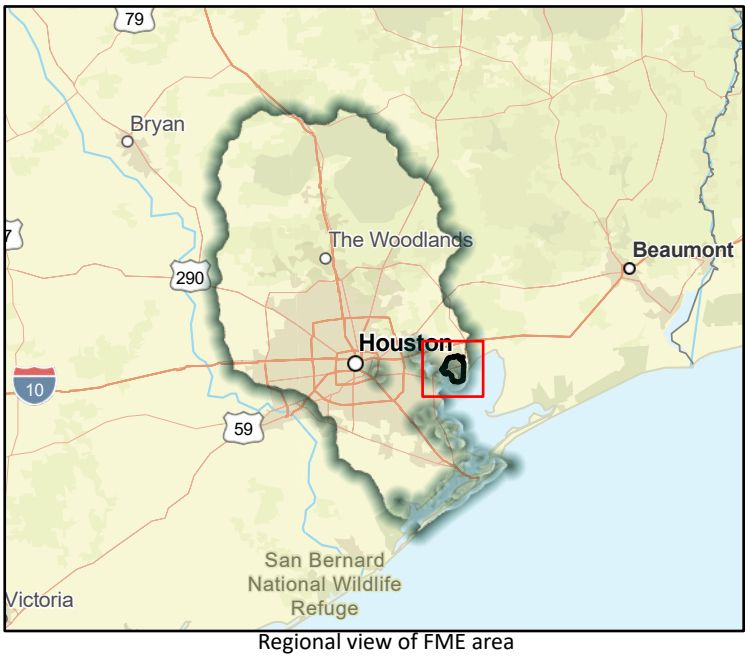
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence

ID#: 061000368

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris,Liberty

Watershed HUC# (if known): 06000060,06000097,06000098,06000096,06000103,06000102,0600010

Drainage area (Square miles, est.): 3.52

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 241

# of structures: 174

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 141.09

Roadway(s) impacted (length): 3.14

Number of low water crossings: 0

Historical road closures: 0

Estimated Cost and Funding Availability

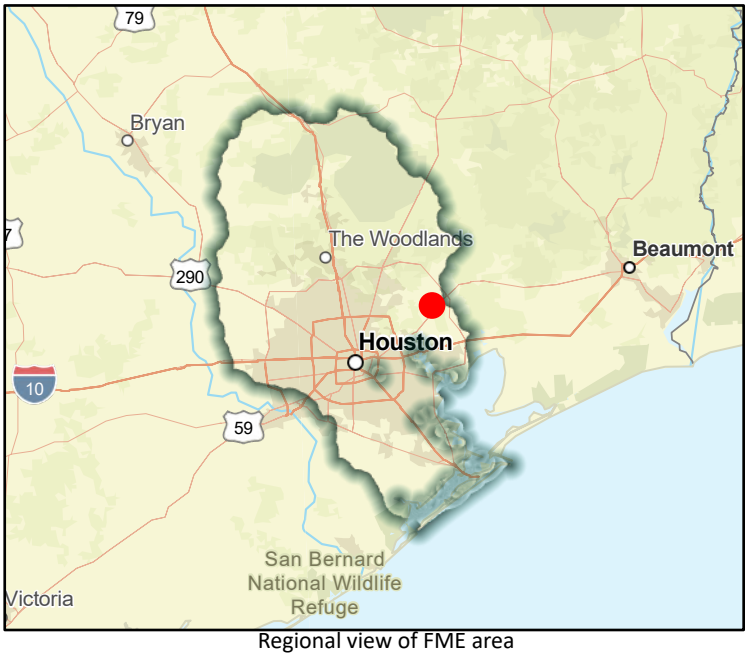
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou (Q100-00-00)

ID#: 061000369

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Chambers,Harris

Watershed HUC# (if known): 06000098,06000103,06000104

Drainage area (Square miles, est.): 18.71

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 729

# of structures: 319

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 25.33

Roadway(s) impacted (length): 5.26

Number of low water crossings: 0

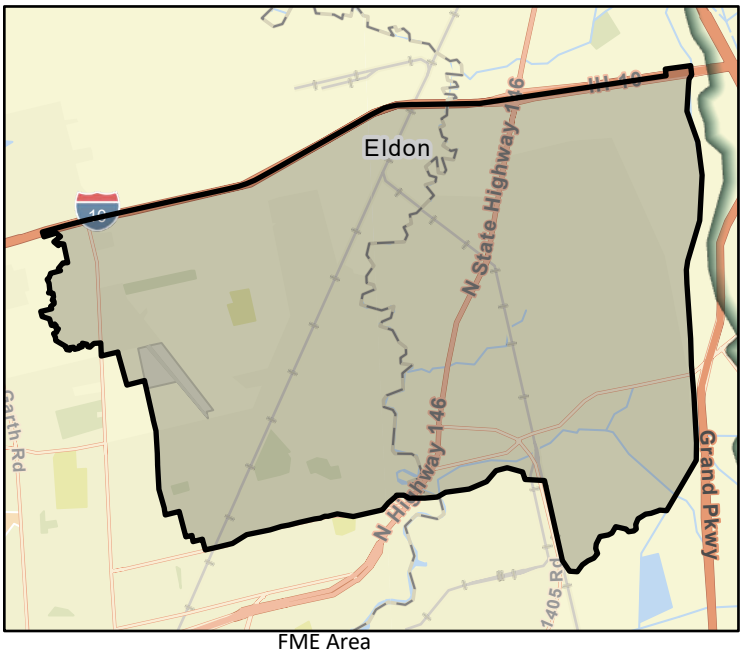
Historical road closures: 0

Estimated Cost and Funding Availability

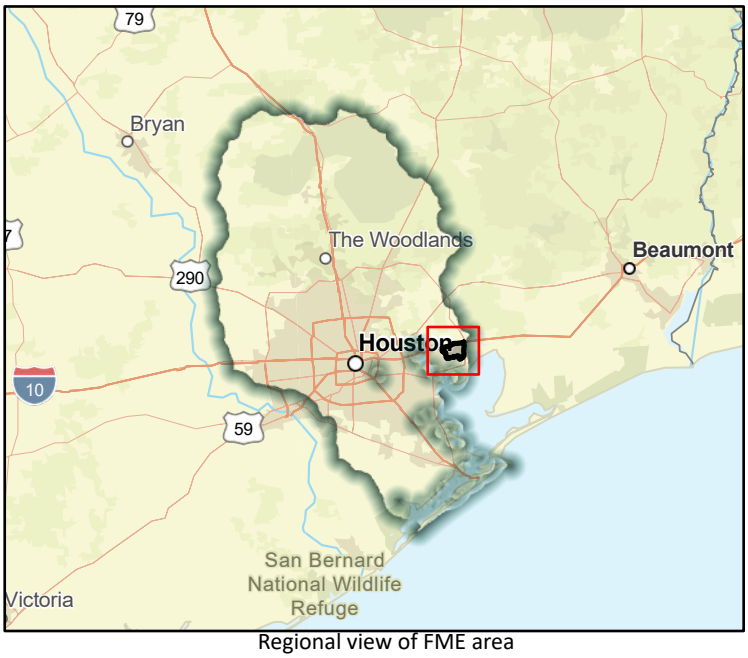
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Tomball Drainage Improvements

ID#: 061000373

Sponsor (name of entity, not person): 06003302

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to the the drainage project for the City of Tomball is comprised of building storm sewer systems and channel conveyance to enable flood waters to be removed from portions of the city bounded by Holderrieth Road, SH 249, UPRR, and FM 2920.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Harris,Montgomery

Watershed HUC# (if known): 06000031,06000037,06000042,06000041

Drainage area (Square miles, est.): 13.04

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 457

# of structures: 47

Critical facilities: 0

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 4.60

Roadway(s) impacted (length): 3.72

Number of low water crossings: 0

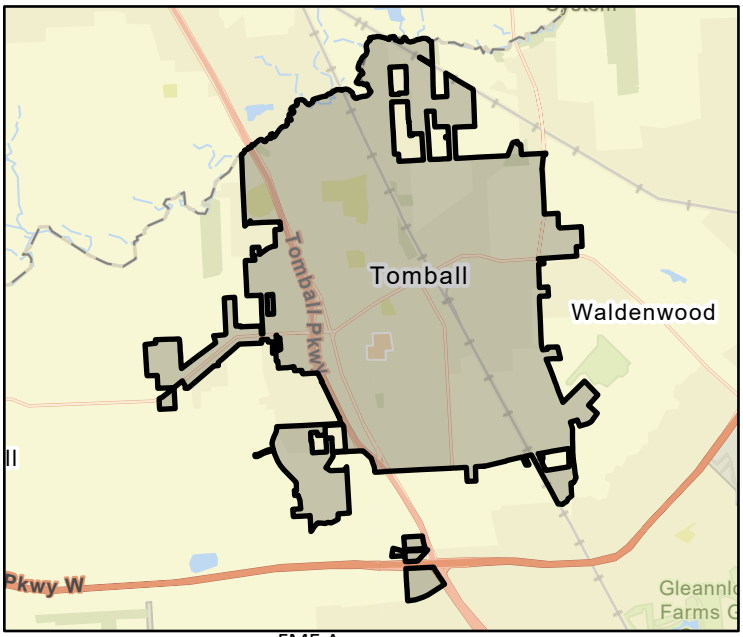
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Cedar Bayou Flood Risk Reduction Study - Channel improvements from US 90 to FM 1942

ID#: 061000376

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou channel improvements from US 90 to FM 1942.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Chambers,Harris,Liberty

Watershed HUC# (if known): 06000060,06000097,06000098,06000096,06000103,06000102,0600010

Drainage area (Square miles, est.): 46.64

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 291

# of structures: 240

Critical facilities: 0

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 900.14

Roadway(s) impacted (length): 12.06

Number of low water crossings: 0

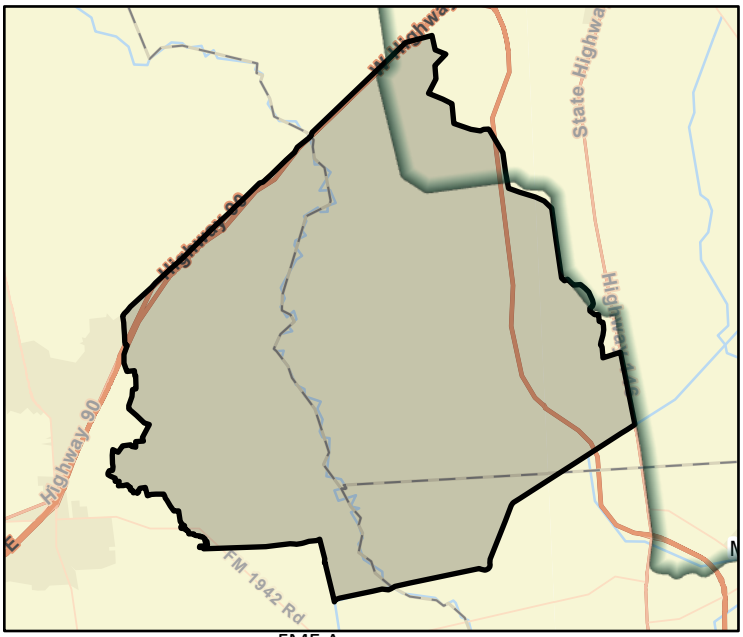
Historical road closures: 0

Estimated Cost and Funding Availability

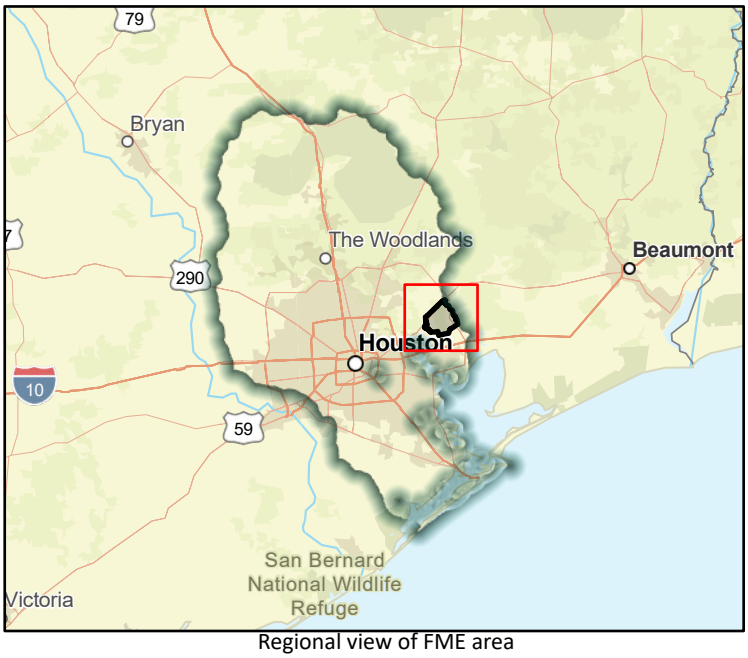
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Cedar Bayou Flood Risk Reduction Study - Channel improvements upstream of FM 1960

ID#: 061000379

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou channel improvements upstream of FM 1960.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris,Liberty

Watershed HUC# (if known): 06000060,06000097,06000098,06000096,06000103,06000102,0600010

Drainage area (Square miles, est.): 23.01

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 147

# of structures: 75

Critical facilities: 0

Flood risk type: Riverine?: Yes Coastal?: No Local?: Yes Playa?: No Other?: No

Farm/Ranch land impacted (acres): 463.48

Roadway(s) impacted (length): 4.93

Number of low water crossings: 0

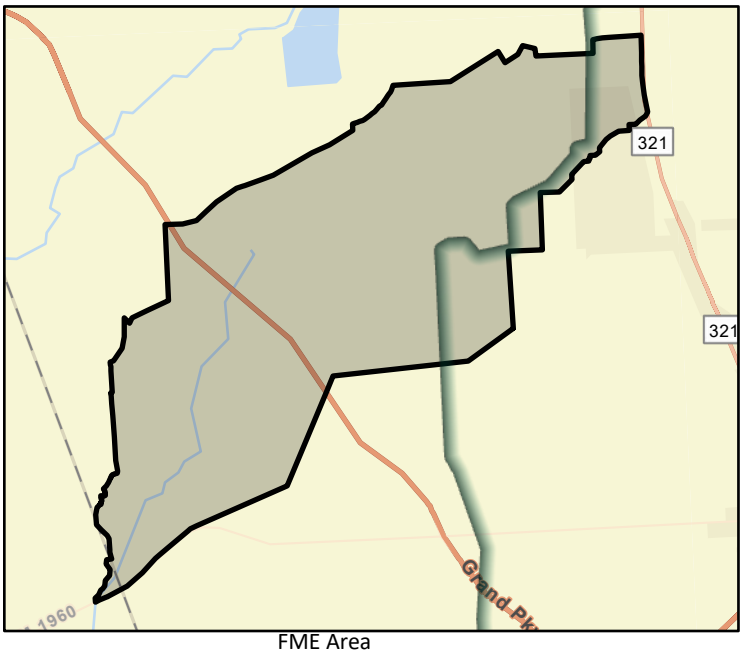
Historical road closures: 0

Estimated Cost and Funding Availability

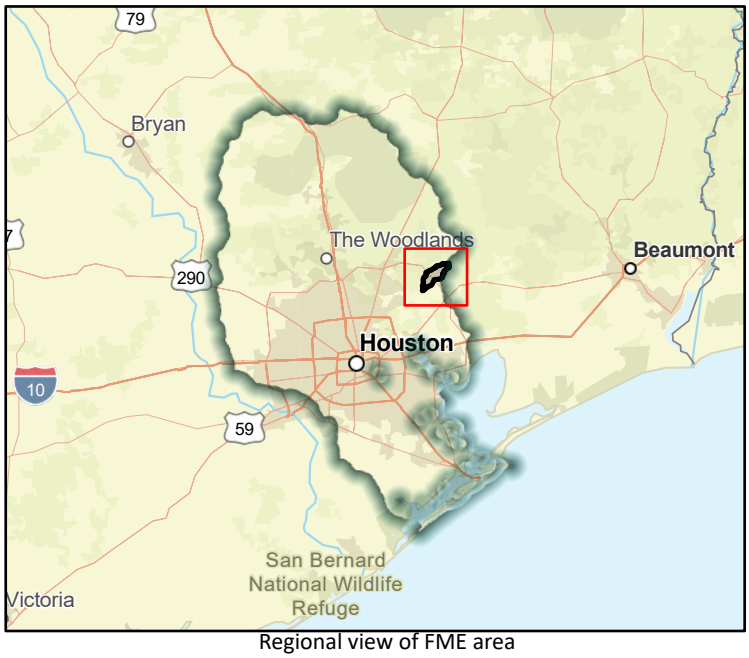
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Houston Braeburn Glen Area Flood Mitigation

ID#: 061000384

Sponsor (name of entity, not person): 00002853

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of a proposed project that includes upsizing of the existing stormwater system with new pipes, inlets, and manholes. Lateral improvement will be completed on Mahoning Drive and Valley View Lane.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Fort Bend,Harris

Watershed HUC# (if known): 06000083

Drainage area (Square miles, est.): 95.57

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 3,328

# of structures: 530

Critical facilities: 7

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.65

Roadway(s) impacted (length): 6.40

Number of low water crossings: 0

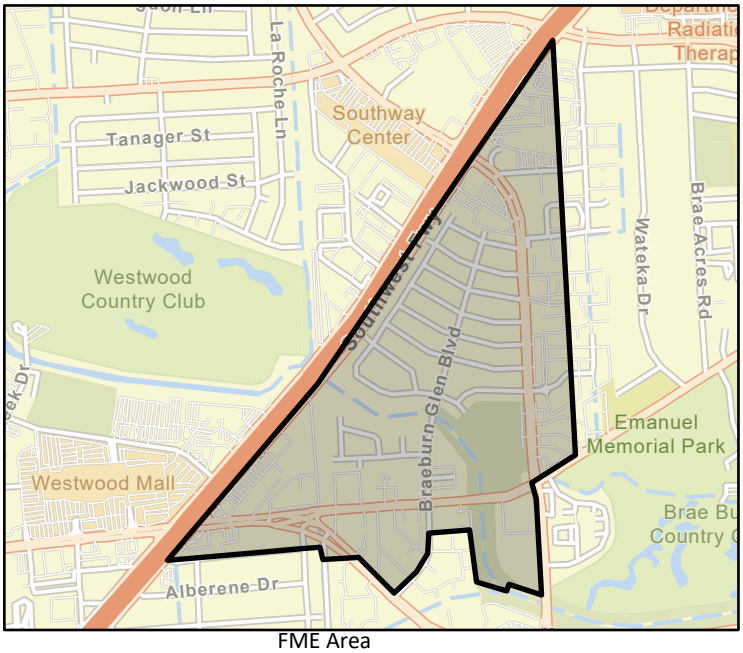
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Roman Forest Boulevard Bridge Elevation Project

ID#: 061000388

Sponsor (name of entity, not person): 06000037

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of this project involves the study, design, elevation, and replacement of the Roman Forest Boulevard Bridge to mitigate the risks associated with storms and riverine flooding for the approximate 15,000 citizens.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Montgomery

Watershed HUC# (if known): 06000054,06000070

Drainage area (Square miles, est.): 2.19

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 253

# of structures: 86

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 3.18

Number of low water crossings: 0

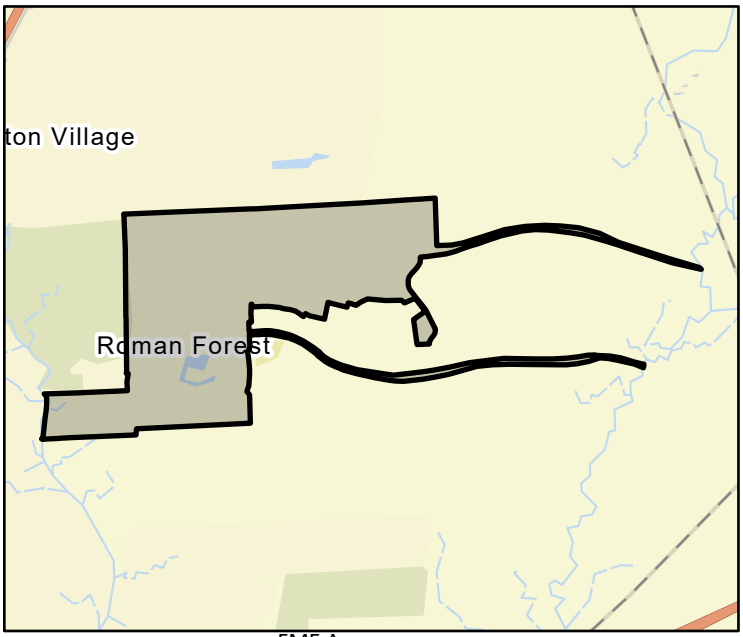
Historical road closures: 0

Estimated Cost and Funding Availability

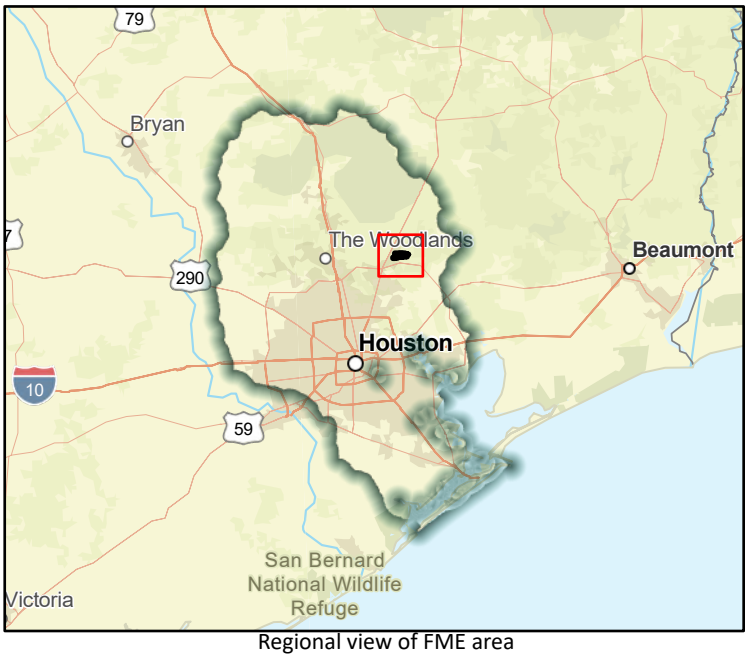
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-08-00

ID#: 061000394

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop BCA to become a FMP. This project could reduce the risk of flooding for over 210 structures and could reduce the 1% rainfall event for over 170 acres as part of the Halls Ahead Bond Implementation Program.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000091,06000087,06000079,06000090,06000092,06000081,0600008

Drainage area (Square miles, est.): 7.29

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 64

# of structures: 39

Critical facilities: 2

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.05

Roadway(s) impacted (length): 0.68

Number of low water crossings: 0

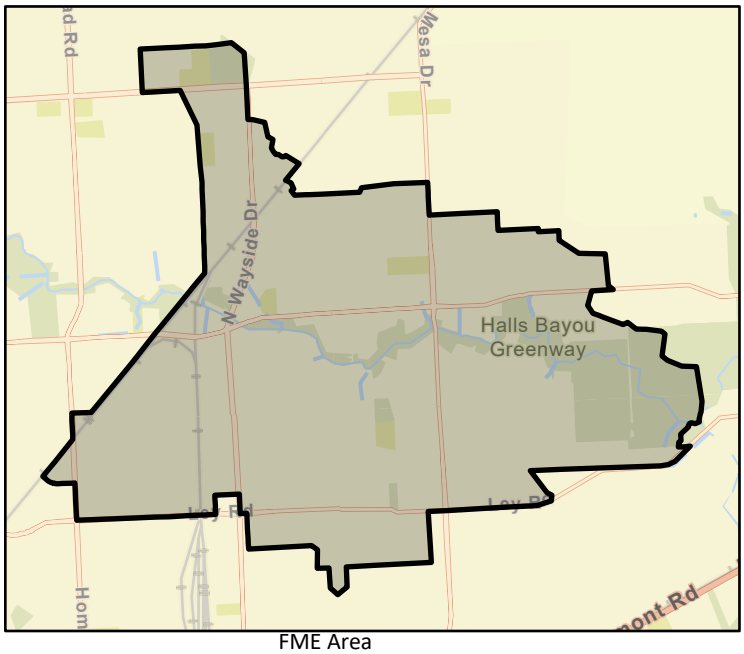
Historical road closures: 0

Estimated Cost and Funding Availability

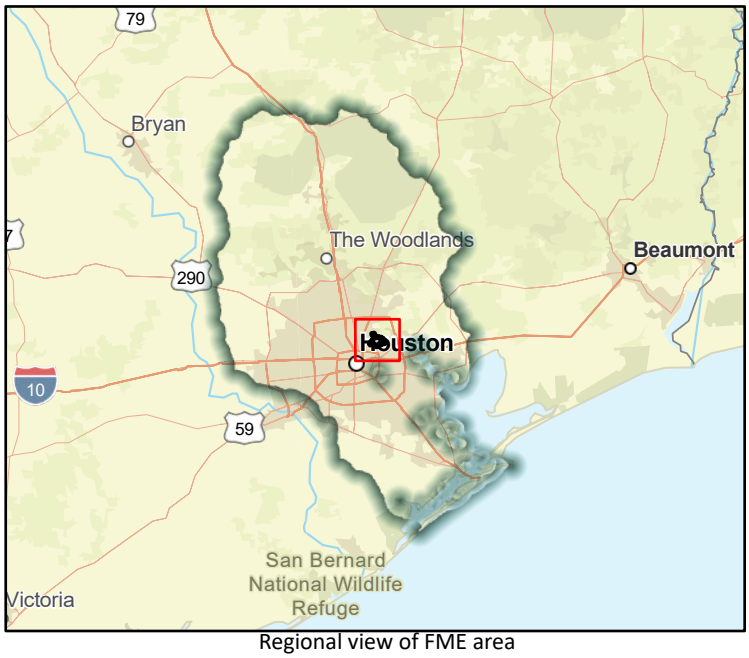
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-09-00

ID#: 061000395

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop BCA to become a FMP. Part of Halls Ahead Bond Implementation Program, could reduce flood risk for 80+ structures, size of the floodplain by 30+ acres & frequency & duration of flooding of up to half a mile of roadway in an Atlas 14 1% event.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000091,06000087,06000079,06000090,06000092,06000081,0600008

Drainage area (Square miles, est.): 5.68

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 425

# of structures: 260

Critical facilities: 3

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.20

Roadway(s) impacted (length): 4.40

Number of low water crossings: 0

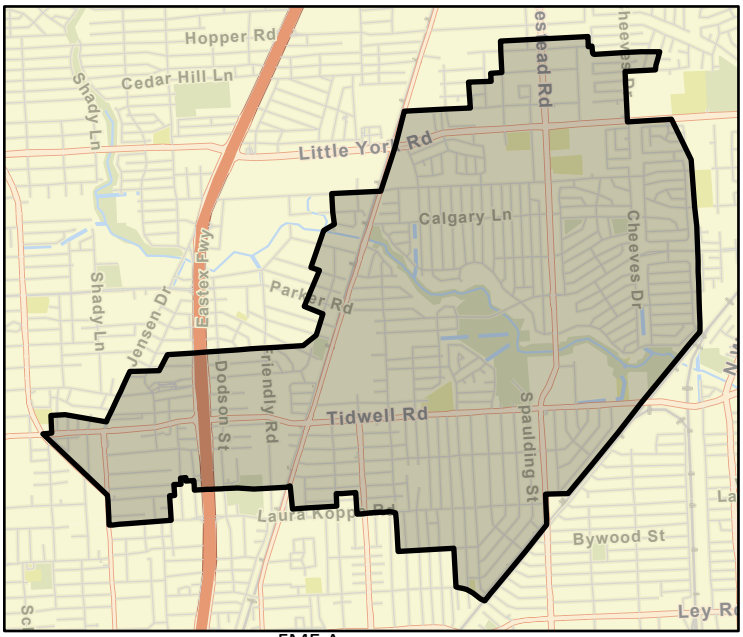
Historical road closures: 0

Estimated Cost and Funding Availability

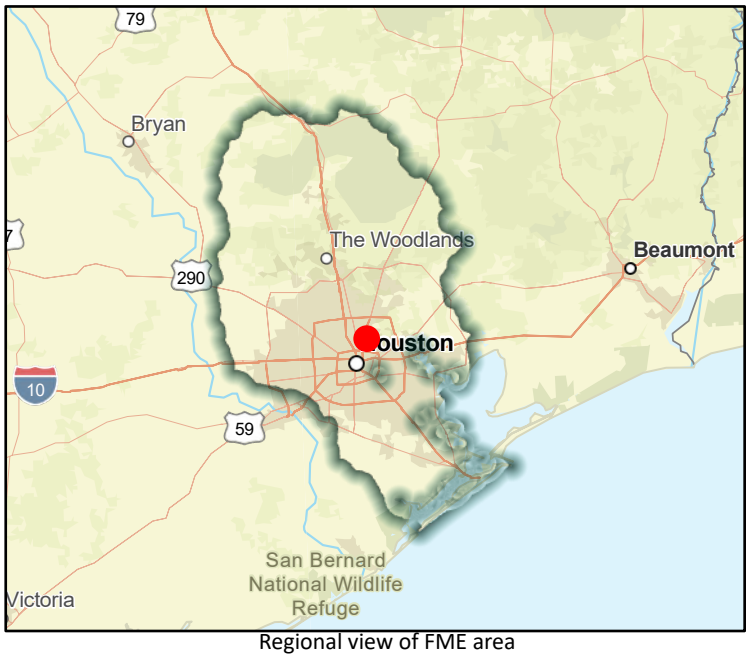
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02

ID#: 061000397

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: This project provides for the design and construction of flood mitigation improvements including detention basins along P118-23-00 and concrete lining P118-23-02. (2018 Bond Project C-26 & C-27)

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000091,06000087,06000079,06000090,06000092,06000081,0600008

Drainage area (Square miles, est.): 1.57

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 4,495

# of structures: 1,431

Critical facilities: 8

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 9.65

Number of low water crossings: 1

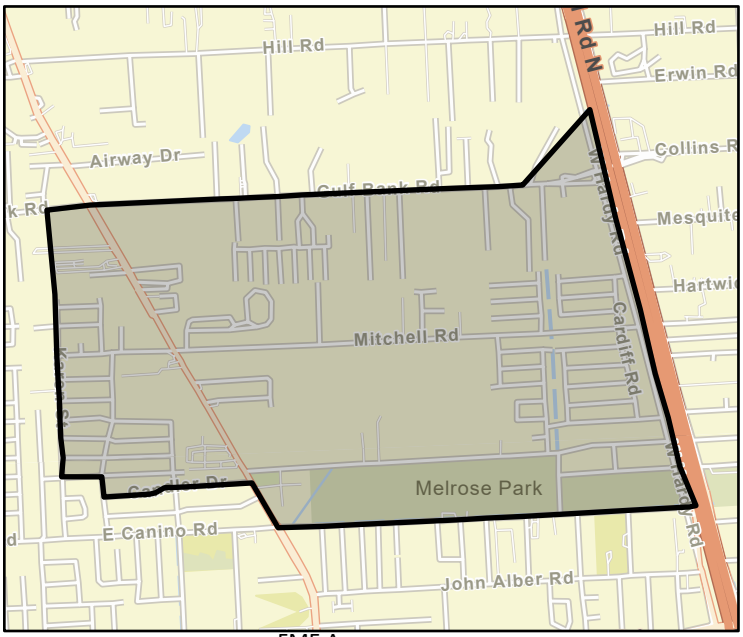
Historical road closures: 1

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01

ID#: 061000399

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a BCR required for this project to become a FMP. Would reduce flood risk for 600+ structures. Facilitates future drainage projects by more outfall depth.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000091,06000087,06000079,06000090,06000092,06000081,0600008

Drainage area (Square miles, est.): 6.01

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 7,827

# of structures: 3,186

Critical facilities: 13

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.23

Roadway(s) impacted (length): 31.84

Number of low water crossings: 1

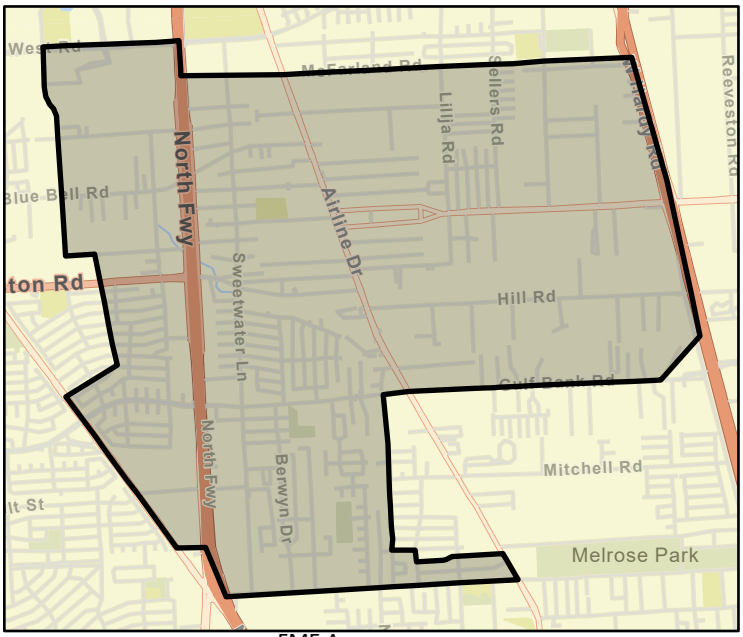
Historical road closures: 1

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Halls Bayou - Design and Construction of a Stormwater Detention Basin in Brock Park

ID#: 061000403

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop BCA to become a FMP. Provides additional stormwater detention in support of flood damage reduction as part of the Halls Ahead Bond Implementation Program. The project will be a partnership with the City of Houston.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000091,06000087,06000079,06000090,06000092,06000081,0600008

Drainage area (Square miles, est.): 44.41

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 34,396

# of structures: 12,415

Critical facilities: 98

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 9.65

Roadway(s) impacted (length): 122.00

Number of low water crossings: 7

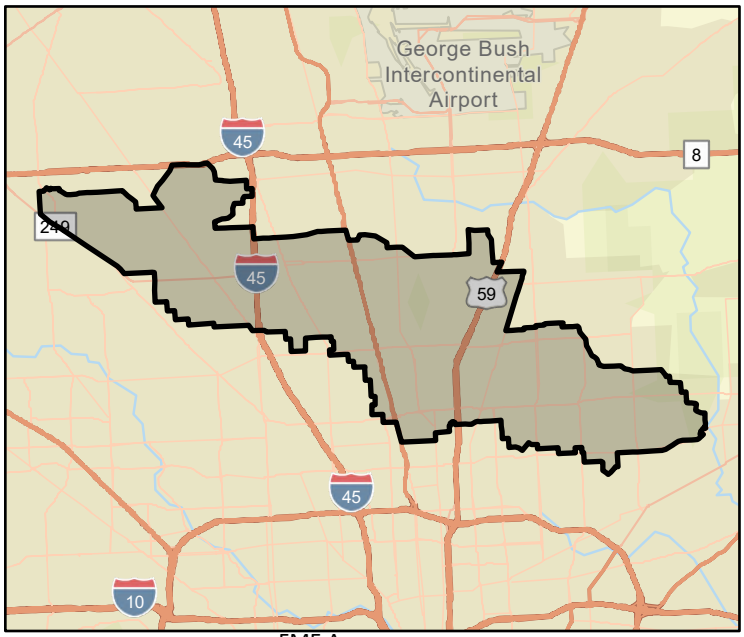
Historical road closures: 7

Estimated Cost and Funding Availability

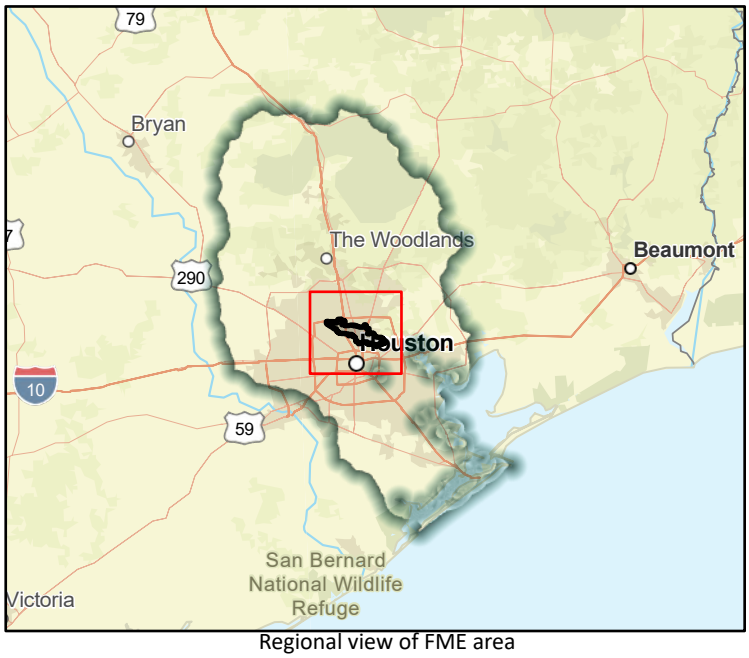
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Halls Bayou - Planning, Right-Of-Way, Design and Construction of Halls Bayou Flood Risk Management Project

ID#: 061000404

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Other

Study description: Develop BCA to become a FMP. Projects as part of the Halls Ahead Bond Implementation Program, could reduce the risk of flooding for more than 700 structures in an Atlas 14 1% rainfall event.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000091,06000087,06000079,06000090,06000092,06000081,0600008

Drainage area (Square miles, est.): 44.41

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 34,396

# of structures: 12,415

Critical facilities: 98

Flood risk type: Riverine? Yes | Coastal? No | Local? Yes | Playa? No | Other? No

Farm/Ranch land impacted (acres): 9.65

Roadway(s) impacted (length): 122.00

Number of low water crossings: 7

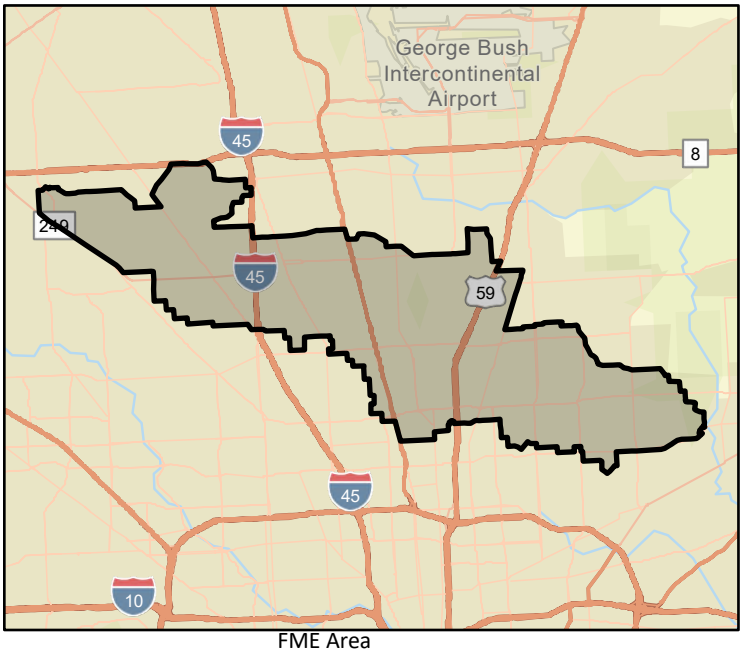
Historical road closures: 7

Estimated Cost and Funding Availability

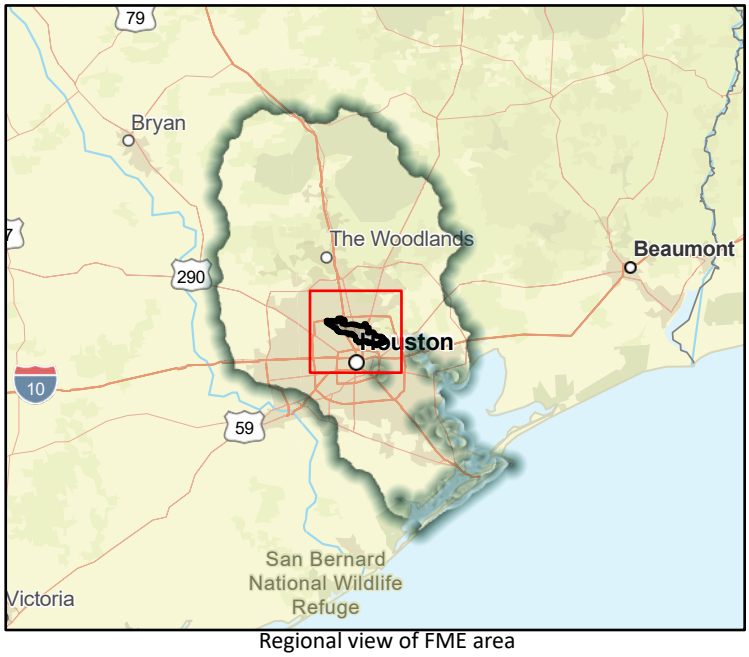
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Hunting Bayou Wallisville Outfall (H103-00-00) - Gellhorn Drive

ID#: 061000405

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Diversion channel expansion for Gellhorn Drive flood reductions.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000092,06000093

Drainage area (Square miles, est.): 4.93

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 9,520

# of structures: 396

Critical facilities: 1

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.67

Roadway(s) impacted (length): 13.03

Number of low water crossings: 2

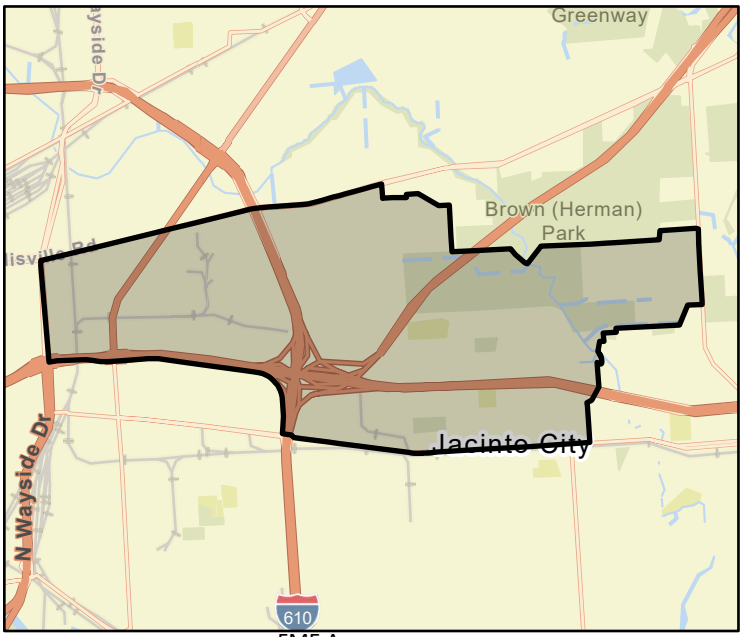
Historical road closures: 2

Estimated Cost and Funding Availability

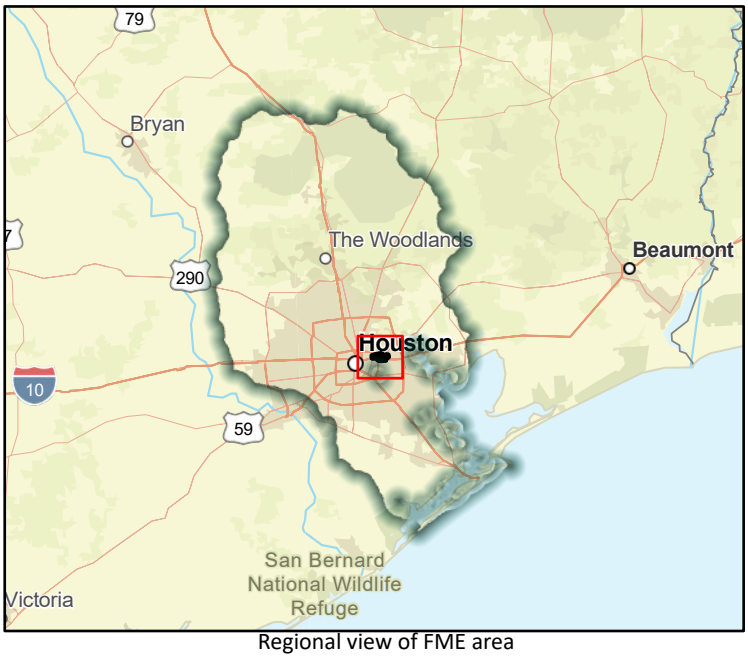
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Hunting Bayou Wallisville Outfall (H103-00-00) - Denver Harbor

ID#: 061000406

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Denver Harbor drainage system improvements.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000092,06000093

Drainage area (Square miles, est.): 4.93

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 9,520

# of structures: 396

Critical facilities: 1

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.67

Roadway(s) impacted (length): 13.03

Number of low water crossings: 2

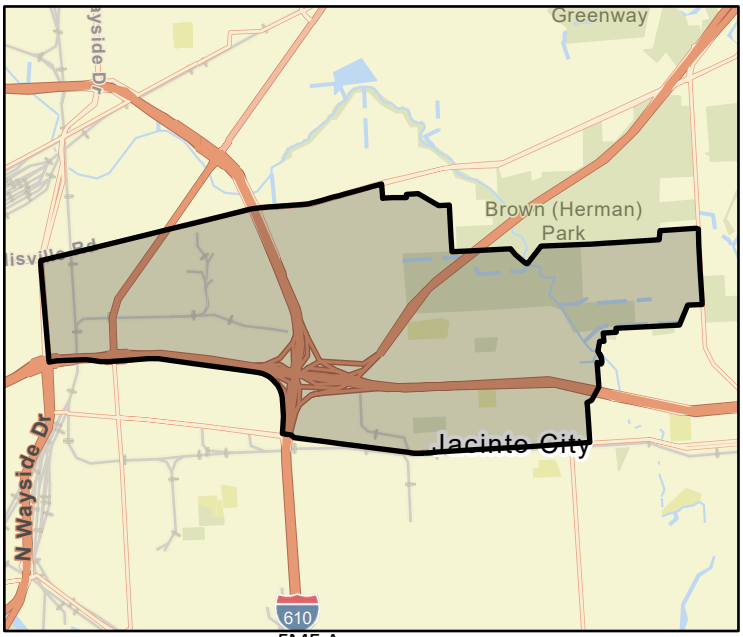
Historical road closures: 2

Estimated Cost and Funding Availability

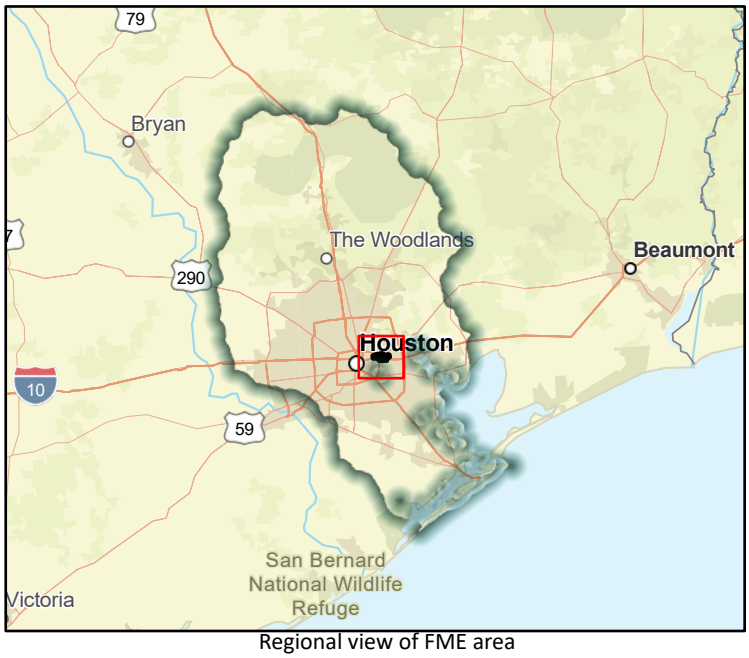
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Luce Bayou (Z100-00-00-P026) Bypass Channel

ID#: 061000407

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of channel bypass to provide Luce main stem upstream and local overland flooding relief.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000025,06000024,06000060,06000070,06000096,06000101,0600010

Drainage area (Square miles, est.): 74.89

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 471

# of structures: 351

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 83.47

Roadway(s) impacted (length): 6.11

Number of low water crossings: 0

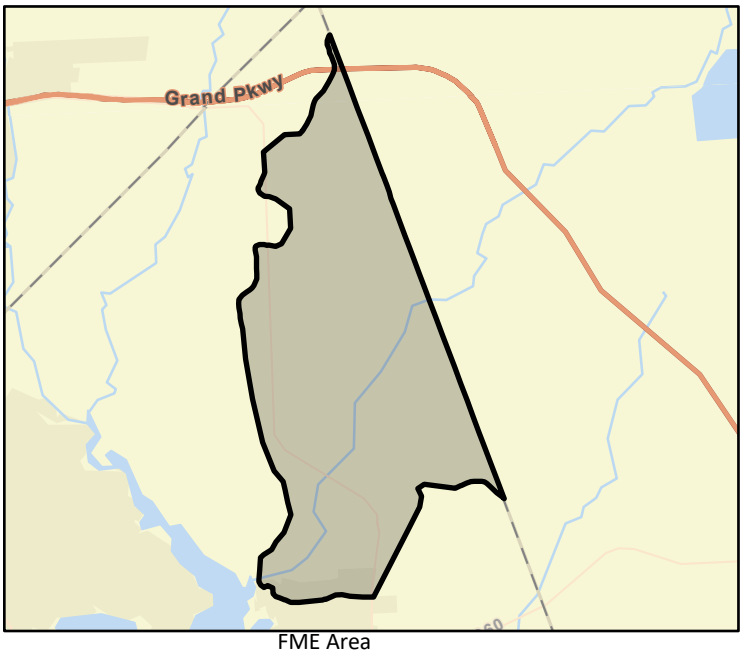
Historical road closures: 0

Estimated Cost and Funding Availability

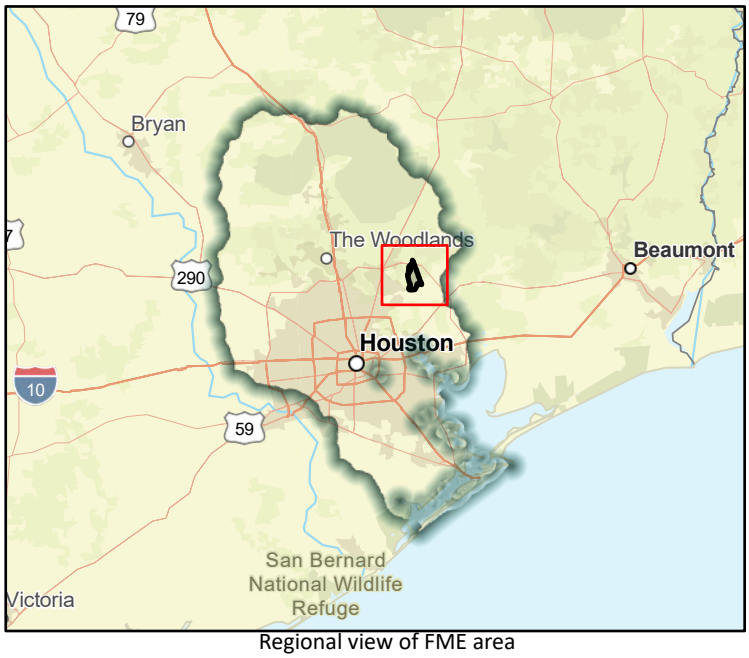
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Luce Bayou (Z100-00-00-P026) Channelization

ID#: 061000412

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of channel improvements along Luce main stem.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000025,06000024,06000060,06000070,06000096,06000101,0600010

Drainage area (Square miles, est.): 74.89

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 471

# of structures: 351

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 83.47

Roadway(s) impacted (length): 6.11

Number of low water crossings: 0

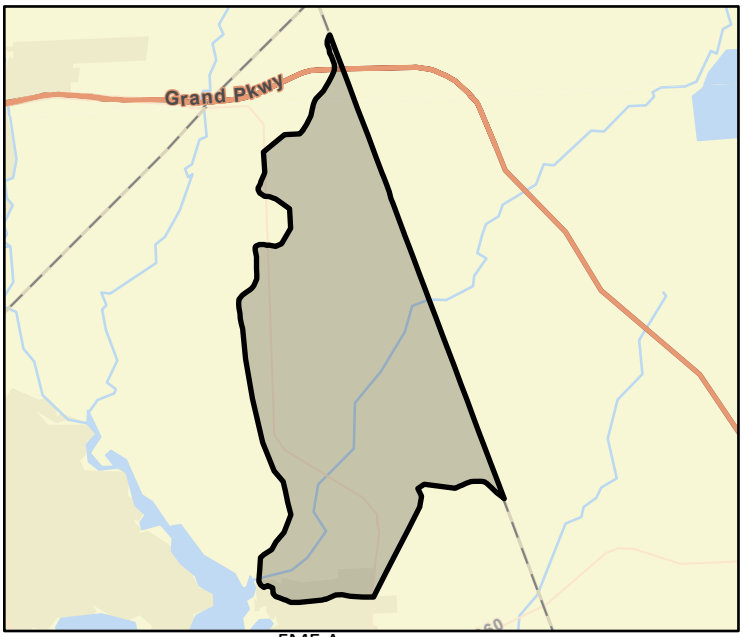
Historical road closures: 0

Estimated Cost and Funding Availability

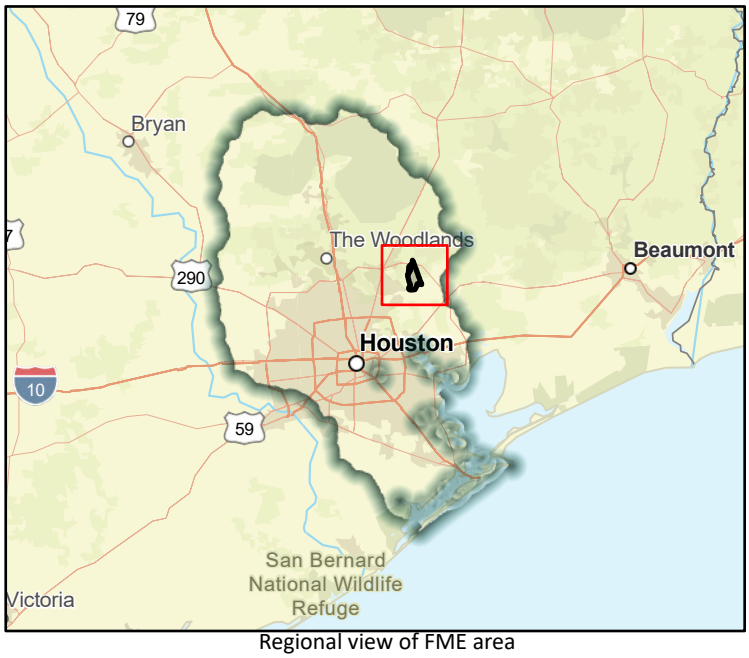
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Luce Bayou (Z100-00-00-P026) Upstream Detention

ID#: 061000413

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of regional detention upstream of Luce Bayou, including acquiring open land north of Harris County.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000025,06000024,06000060,06000070,06000096,06000101,0600010

Drainage area (Square miles, est.): 74.89

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 471

# of structures: 351

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 83.47

Roadway(s) impacted (length): 6.11

Number of low water crossings: 0

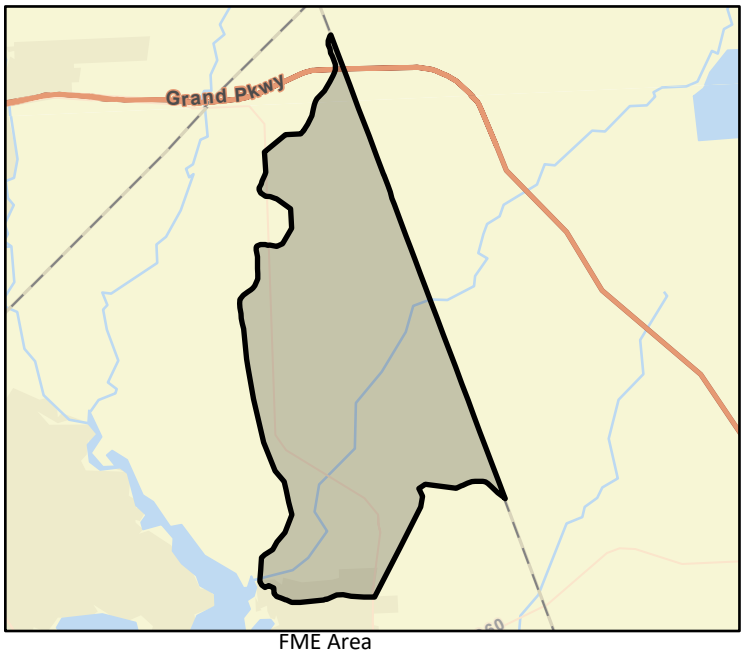
Historical road closures: 0

Estimated Cost and Funding Availability

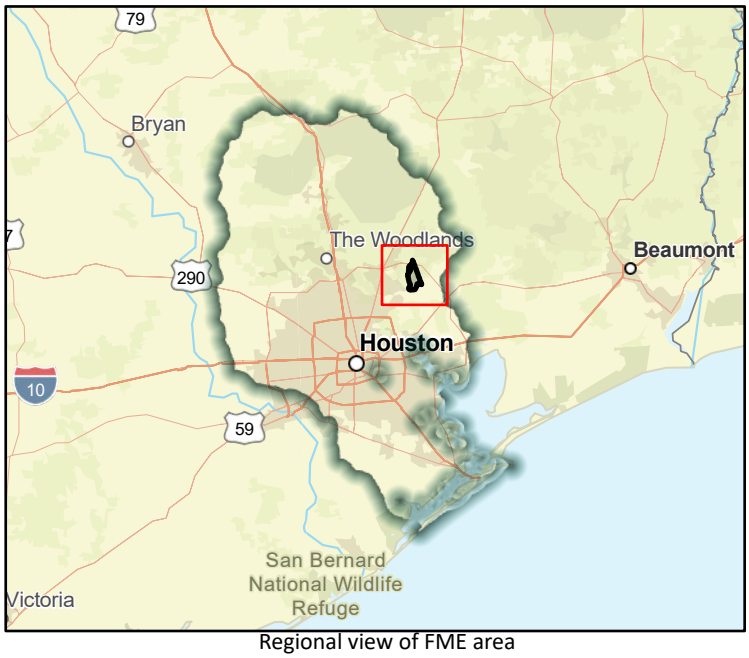
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Manvel Rogers Rd. Drainage Improvements

ID#: 061000415

Sponsor (name of entity, not person): 06002985

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study Alleluia Trail Rogers Rd & All Roads off Rogers drainage improvements, including storm sewer rehabilitation and ditch deepening.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Brazoria

Watershed HUC# (if known): 06000106,06000107,06000109

Drainage area (Square miles, est.): 27.41

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 6,741

# of structures: 1,249

Critical facilities: 8

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 178.81

Roadway(s) impacted (length): 43.32

Number of low water crossings: 0

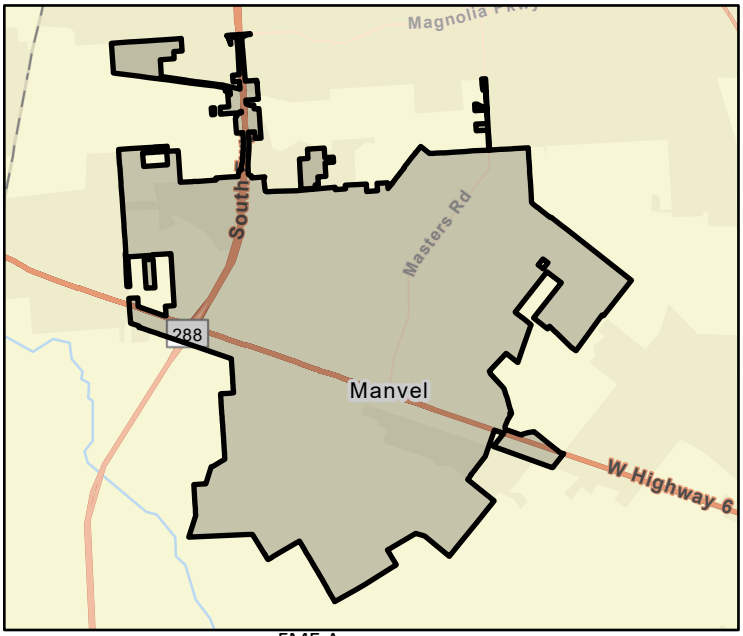
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Clear Creek - Friendswood Detention Basin Near FM 528 in Friendswood

ID#: 061000420

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop BCA to become a FMP. ROW acquisition, design, and construction of 39 ac stormwater detention basin holding 500 ac-ft near FM 528; Additional solutions include buyouts, improving channel conveyance, and tributary detention.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Brazoria,Galveston,Harris

Watershed HUC# (if known): 06000107,06000106

Drainage area (Square miles, est.): 102.41

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 43,960

# of structures: 14,912

Critical facilities: 153

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 161.83

Roadway(s) impacted (length): 264.18

Number of low water crossings: 9

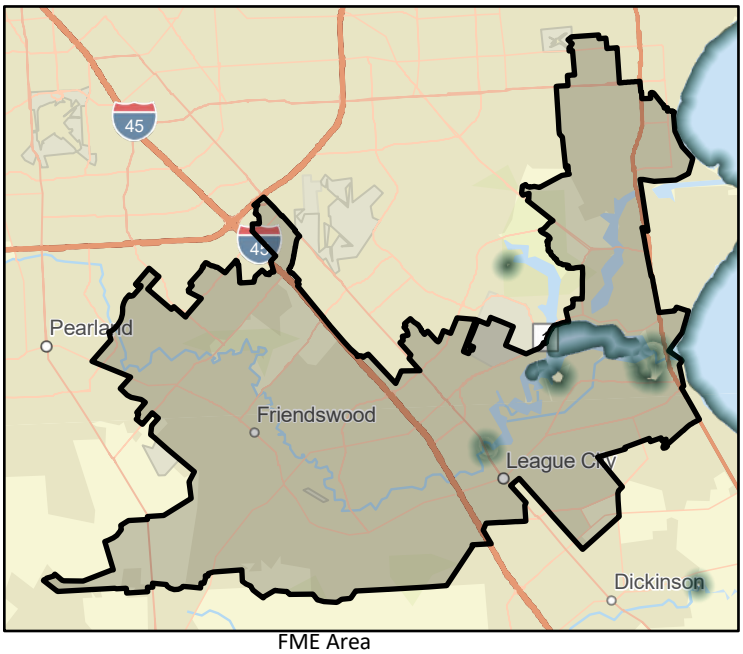
Historical road closures: 9

Estimated Cost and Funding Availability

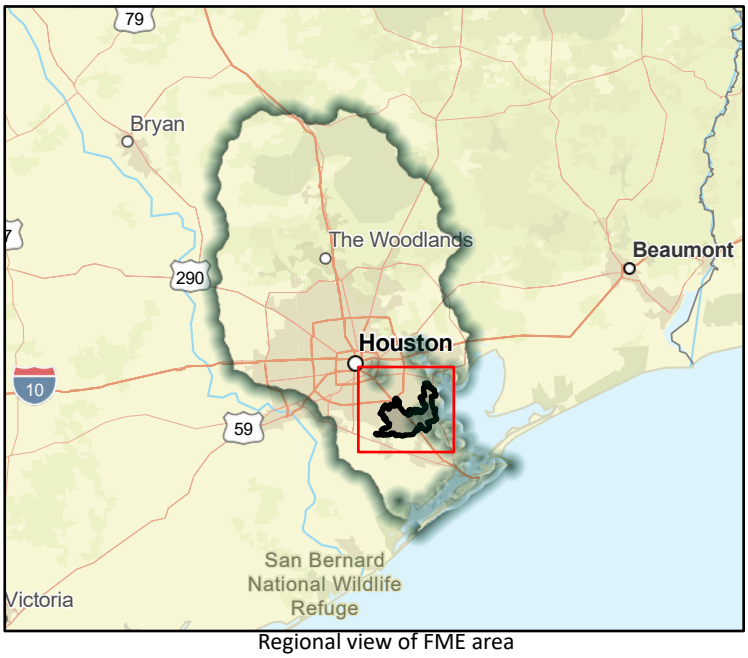
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Clear Creek - Hughes Stormwater Detention (SWD) Basin

ID#: 061000421

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop BCA to become a FMP. Project identified in Clear Creek Federal Project study for flood management but did not yield high enough cost benefit ratio for Federal funding. Therefore, Harris and Galveston County have decided to fund this effort.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Brazoria,Galveston,Fort Bend,Harris

Watershed HUC# (if known): 06000086,06000085,06000107,06000109,06000106

Drainage area (Square miles, est.): 200.27

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 75,345

# of structures: 27,153

Critical facilities: 231

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 532.73

Roadway(s) impacted (length): 458.14

Number of low water crossings: 12

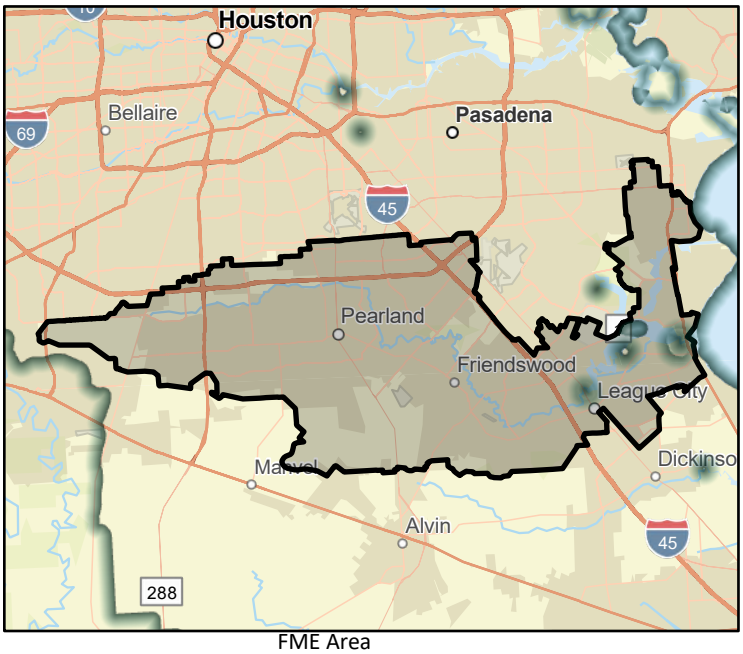
Historical road closures: 12

Estimated Cost and Funding Availability

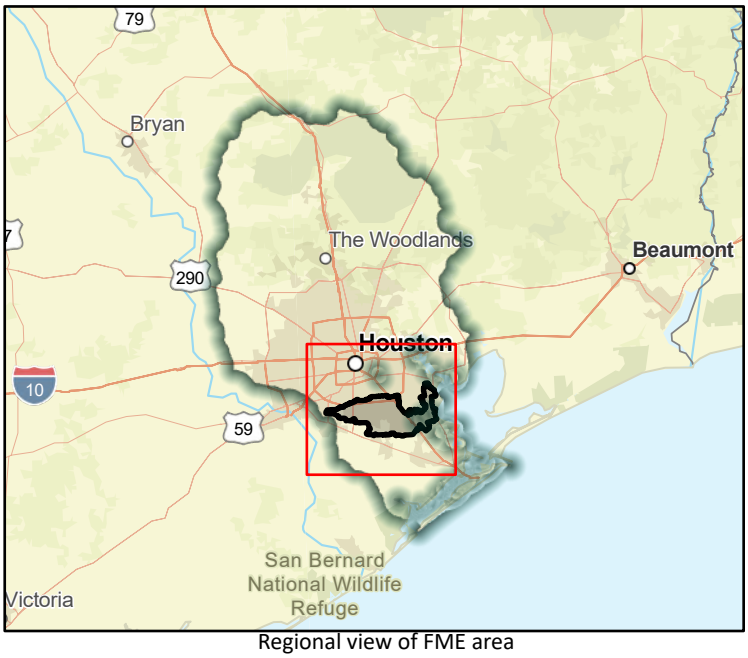
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: North Alexander Drainage Improvements

ID#: 061000423

Sponsor (name of entity, not person): 00003343

RFPG recommend? Yes | Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study to develop this project into a FMP. This CDBG-MIT application involves the installation and construction of various storm sewer and detention infrastructure.

New Hydrologic or Hydraulic model? No | Emergency Need? No | Existing/Anticipated models in near term? No

County: Chambers,Harris | Watershed HUC# (if known): 06000104

Drainage area (Square miles, est.): 48.36 | Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,514 | # of structures: 550 | Critical facilities: 7

Flood risk type: Riverine? No | Coastal? No | Local? Yes | Playa? No | Other? No

Farm/Ranch land impacted (acres): 98.25 | Roadway(s) impacted (length): 13.83

Number of low water crossings: 0 | Historical road closures: 0

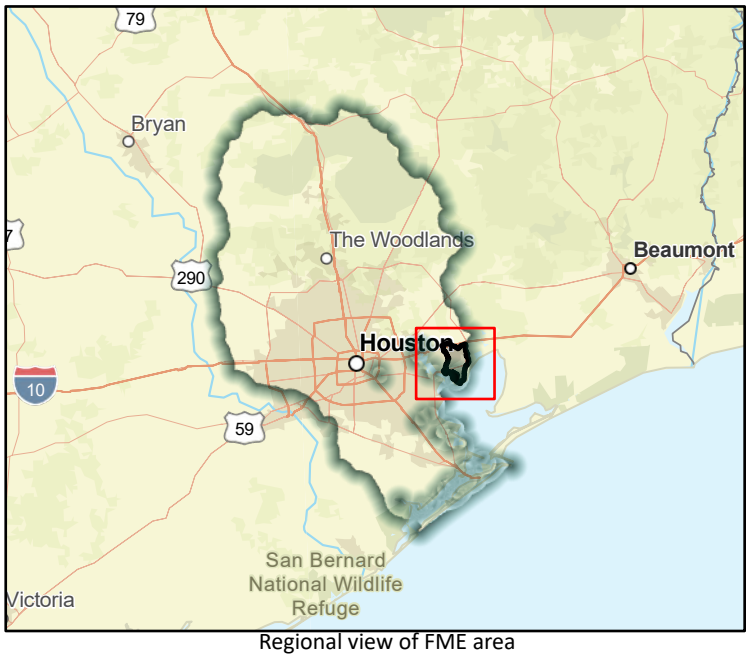
Estimated Cost and Funding Availability

Total Cost: 30,000.00 | Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Clear Creek - Rehabilitation of the A214-00-00 channel to Restore Channel Conveyance Capacity

ID#: 061000425

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Major maintenance to restore channel conveyance capacity.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Galveston,Harris

Watershed HUC# (if known): 06000086,06000085,06000107,06000109,06000106

Drainage area (Square miles, est.): 4.62

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,153

# of structures: 424

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 3.38

Roadway(s) impacted (length): 8.91

Number of low water crossings: 0

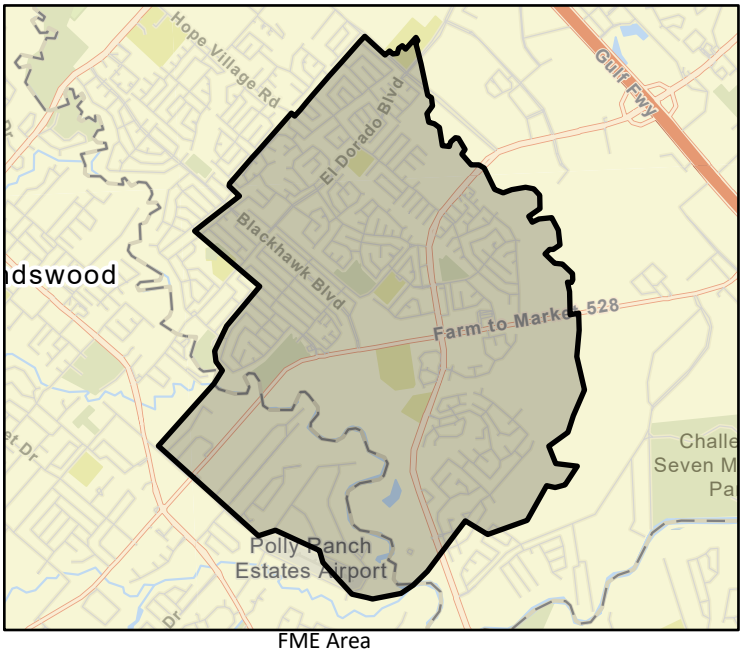
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Sawdust Road Bridge Elevation Project

ID#: 061000426

Sponsor (name of entity, not person): 06000037

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of study, design, elevation, & replacement of the Sawdust Road Bridge to mitigate the risks associated with riverine flooding for the citizens residing in the Grogan's Point and Timberlakes - Timberridge Subdivisions.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Harris, Montgomery

Watershed HUC# (if known): 06000021,06000023,06000032,06000042,06000041,06000043,0600004

Drainage area (Square miles, est.): 32.94

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 3,432

# of structures: 794

Critical facilities: 5

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 15.16

Roadway(s) impacted (length): 18.38

Number of low water crossings: 0

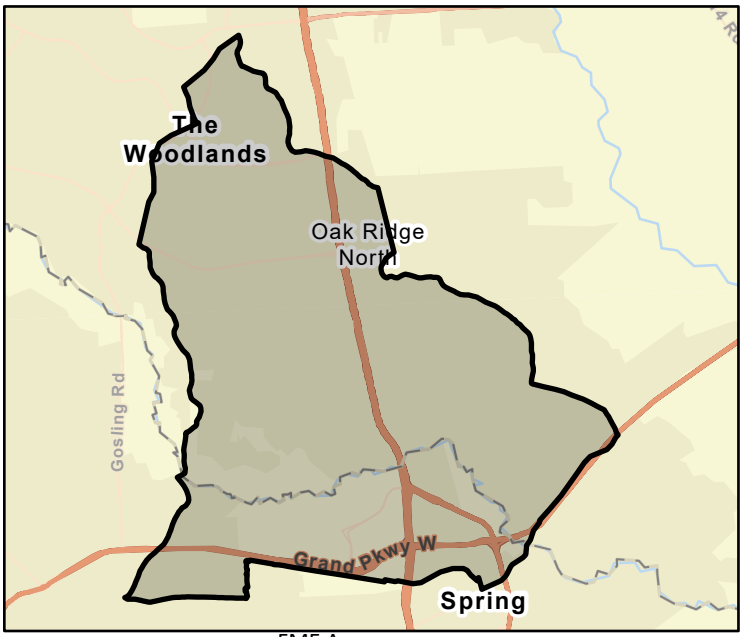
Historical road closures: 0

Estimated Cost and Funding Availability

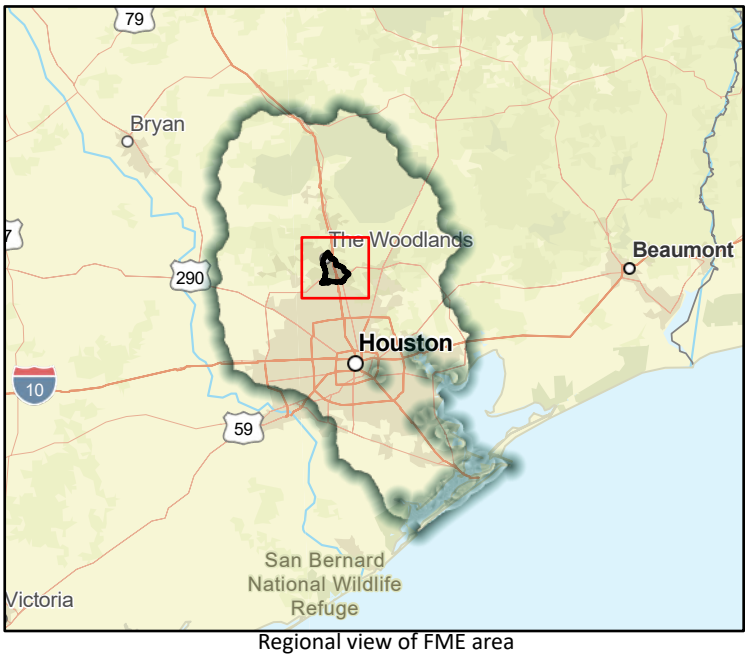
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Southside Place - Auden Street Drainage Improvement Project

ID#: 061000435

Sponsor (name of entity, not person): 06003305

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: This project provides for design and construction of a new stormwater conveyance system for the City of Southside Place, that will have the capacity to covey a City standard storm event (2-year storm).

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000084

Drainage area (Square miles, est.): 45.60

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 65,641

# of structures: 8,850

Critical facilities: 143

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 8.68

Roadway(s) impacted (length): 124.98

Number of low water crossings: 1

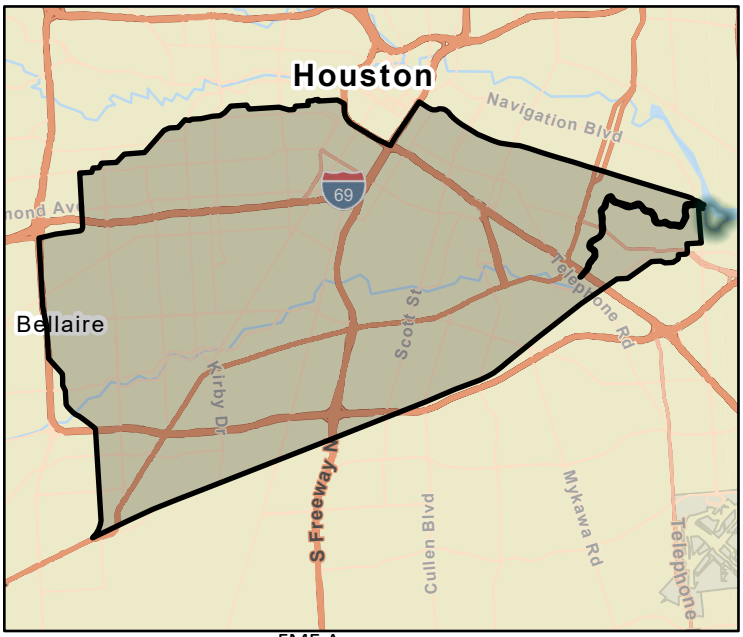
Historical road closures: 1

Estimated Cost and Funding Availability

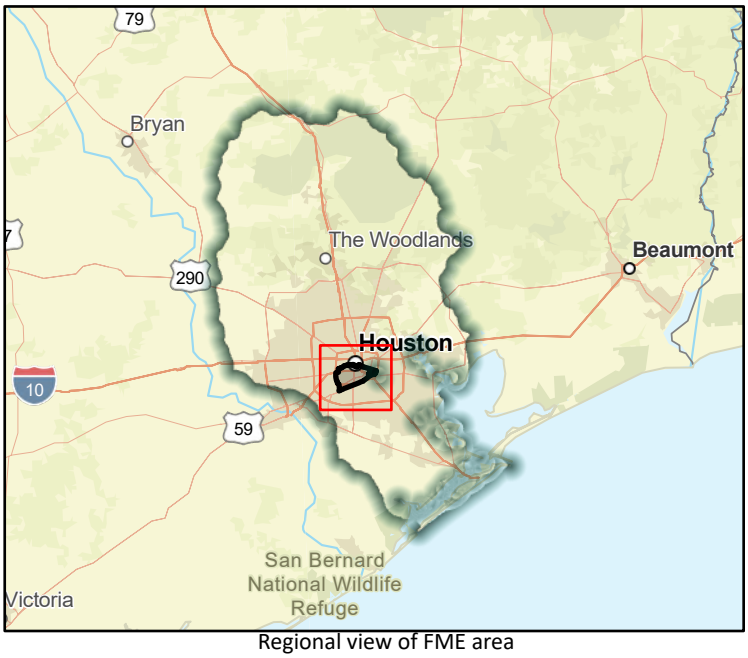
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Unincorporated Areas of Bacliff and San Leon Roadside Ditches & Driveway Culverts Improvements

ID#: 061000436

Sponsor (name of entity, not person): 00000006

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of this unfunded CDBG-MIT project consists of various areas of roadside ditch and driveway culvert improvements in Bacliff and San Leon.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston,Chambers

Watershed HUC# (if known): 06000107

Drainage area (Square miles, est.): 6.95

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 5,550

# of structures: 3,330

Critical facilities: 5

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 48.62

Roadway(s) impacted (length): 50.36

Number of low water crossings: 0

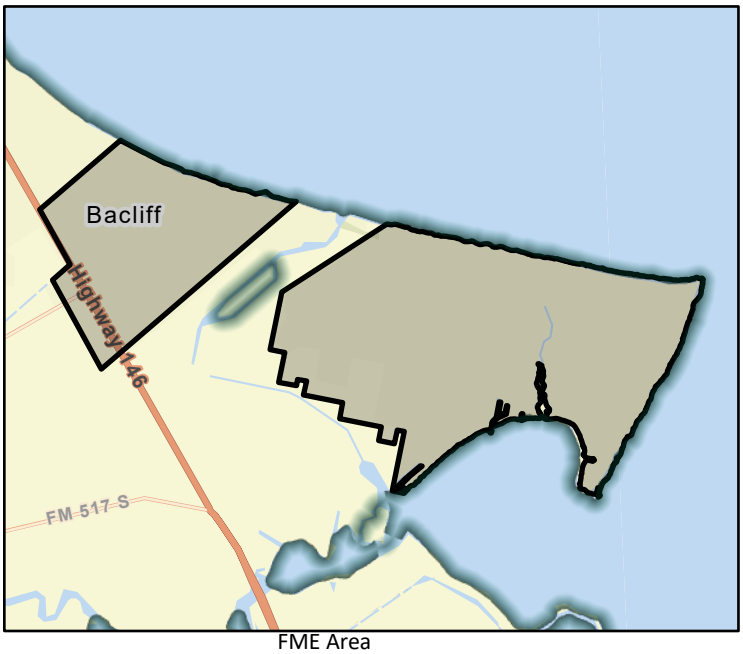
Historical road closures: 0

Estimated Cost and Funding Availability

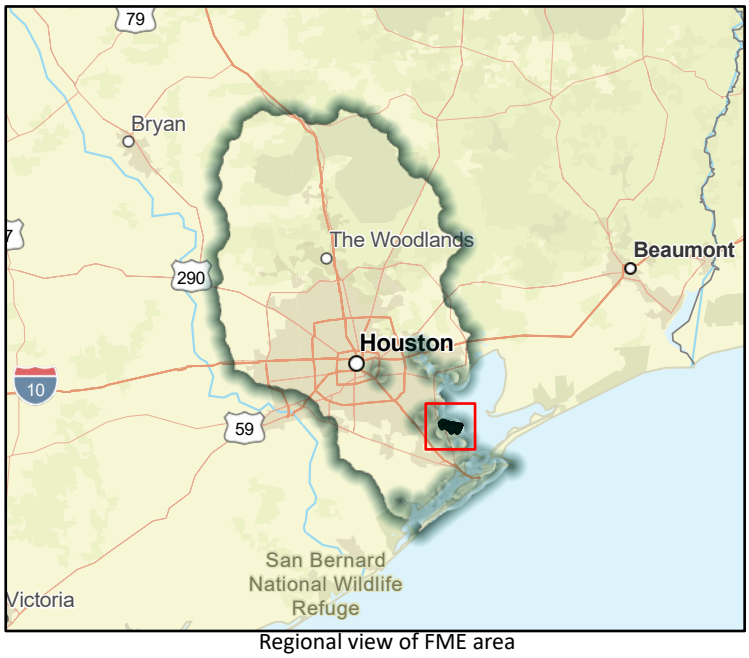
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Evaluation of Dredging of Channels that Exit Into Lake Houston

ID#: 061000437

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris,Liberty,Montgomery

Watershed HUC# (if known): 06000024,06000060,06000070

Drainage area (Square miles, est.): 155.78

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 15,791

# of structures: 6,656

Critical facilities: 64

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 326.66

Roadway(s) impacted (length): 169.09

Number of low water crossings: 1

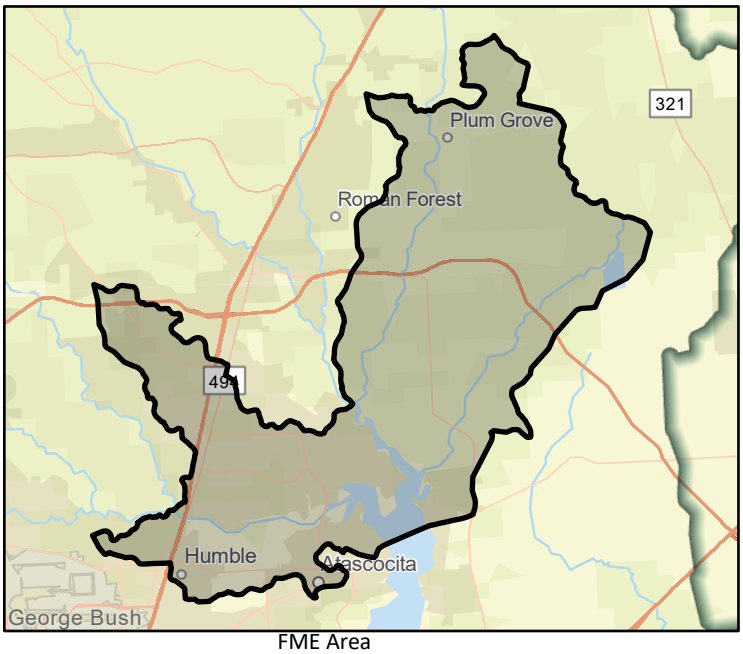
Historical road closures: 1

Estimated Cost and Funding Availability

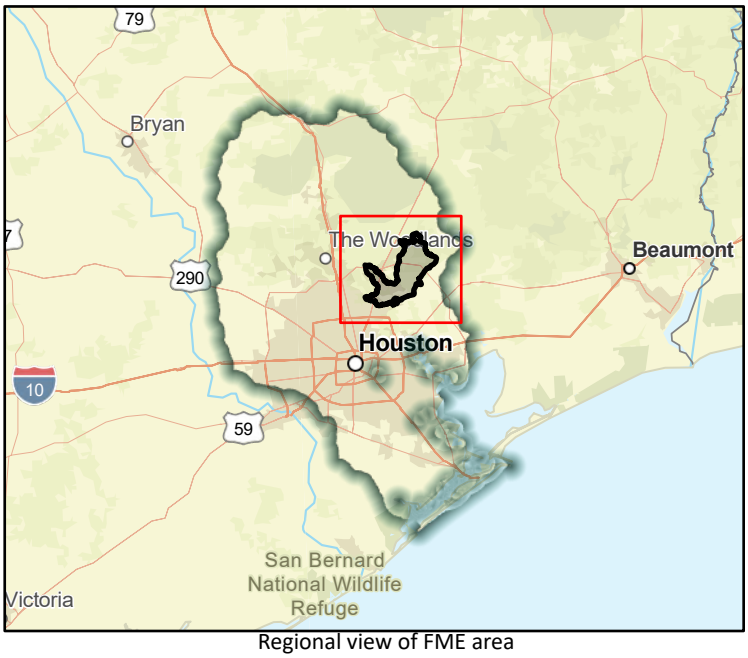
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Greens Bayou, Jackson Bayou, White Oak Bayou, Cypress Creek and San Jacinto River Areas Subdivision Drainage Mitigation Project

ID#: 061000438

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: This proposed solution recommends establishing positive drainage and clear flow lines, which are expected to reduce the water surface elevation in the subdivision to mitigate the structural flood risk for all 1,445 beneficiaries.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris,Waller,Liberty,Montgomery

Watershed HUC# (if known): 06000108,06000107,06000109,06000106

Drainage area (Square miles, est.): 1,042.20

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 205,981

# of structures: 42,056

Critical facilities: 745

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1,543.44

Roadway(s) impacted (length): 789.50

Number of low water crossings: 27

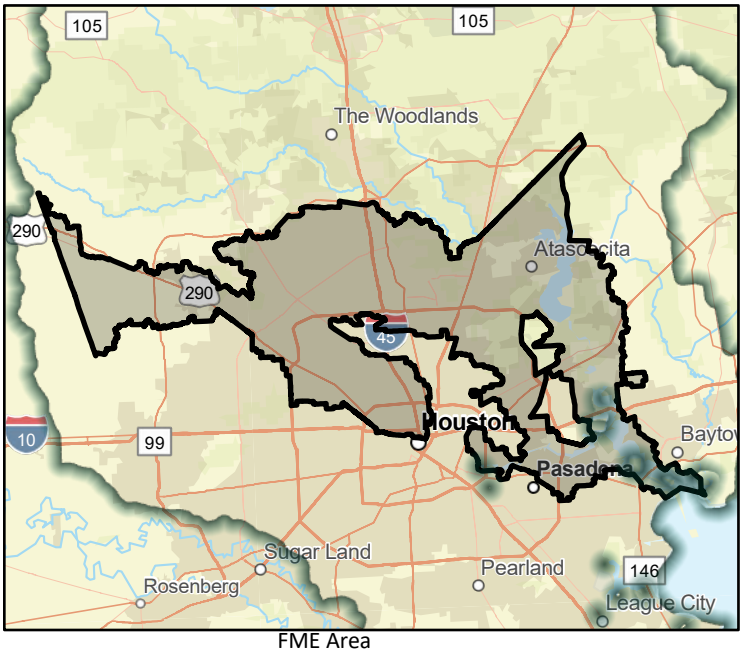
Historical road closures: 27

Estimated Cost and Funding Availability

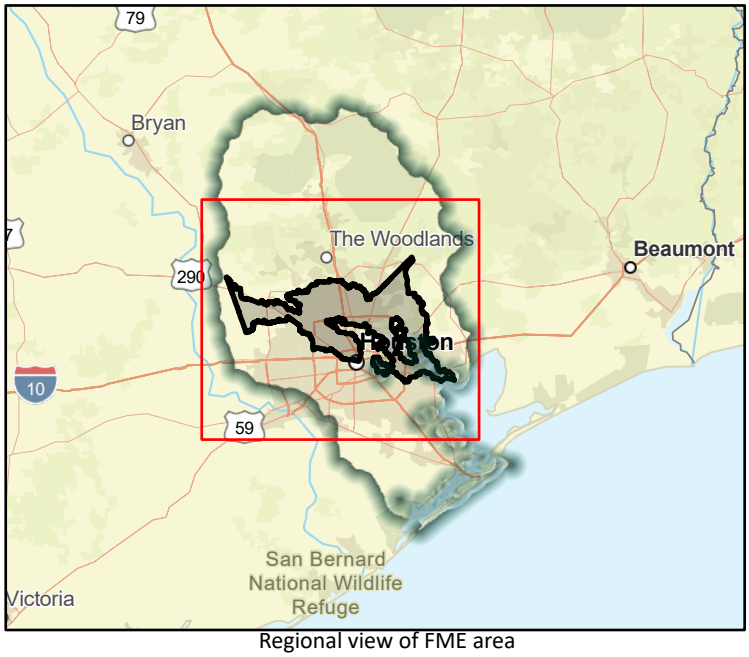
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Greens Bayou, White Oak Bayou and Cypress Creek Areas Subdivision Drainage Mitigation Project

ID#: 061000439

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: The mitigation solution for Cypress Creek Estates is to install storm sewer systems along West Shadow Lake, East Shadow Lake, North Shadow Lake and Winding Lane, to re-grade the roadside ditches, and to remove and replace of all driveways and culverts.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris,Waller

Watershed HUC# (if known): 06000108,06000107,06000109,06000106

Drainage area (Square miles, est.): 542.61

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 176,096

# of structures: 33,835

Critical facilities: 425

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1,841.86

Roadway(s) impacted (length): 601.41

Number of low water crossings: 32

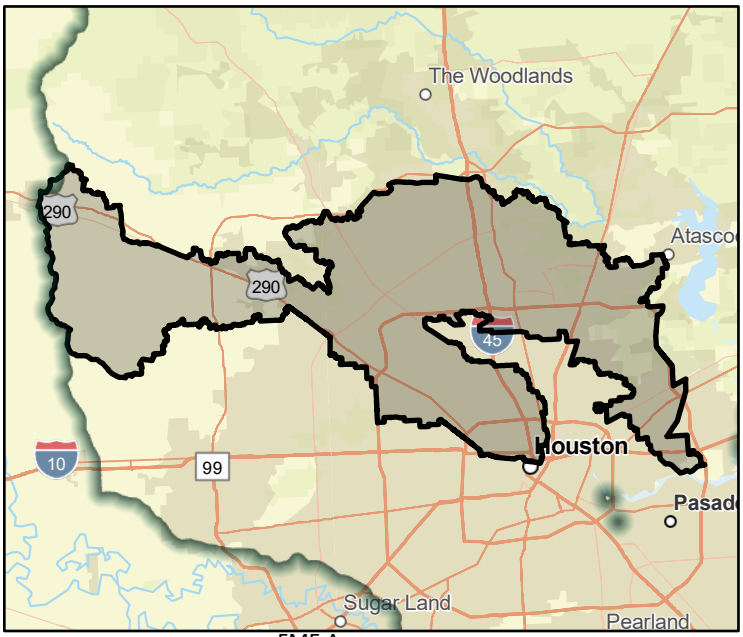
Historical road closures: 32

Estimated Cost and Funding Availability

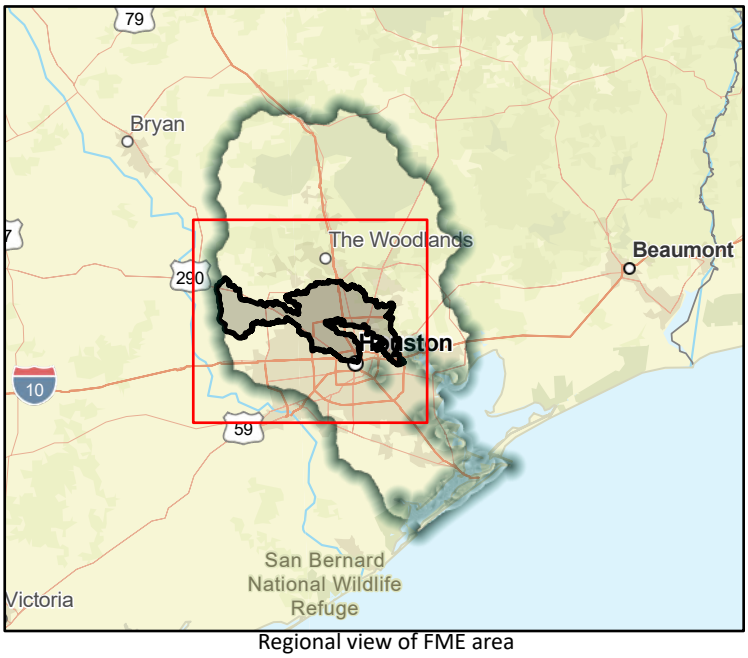
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Brazoria County Camp Mohawk County Park Development

ID#: 061000440

Sponsor (name of entity, not person): 00000003

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop Benefit Cost Analysis in support of the purchase of approximately 160 acres of flood prone area adjacent to and surrounding Camp Mohawk County Park to be used as open space.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Brazoria

Watershed HUC# (if known): 06000108,06000107,06000109,06000106

Drainage area (Square miles, est.): 1,481.87

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 12

# of structures: 10

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 2.86

Roadway(s) impacted (length): 0.34

Number of low water crossings: 0

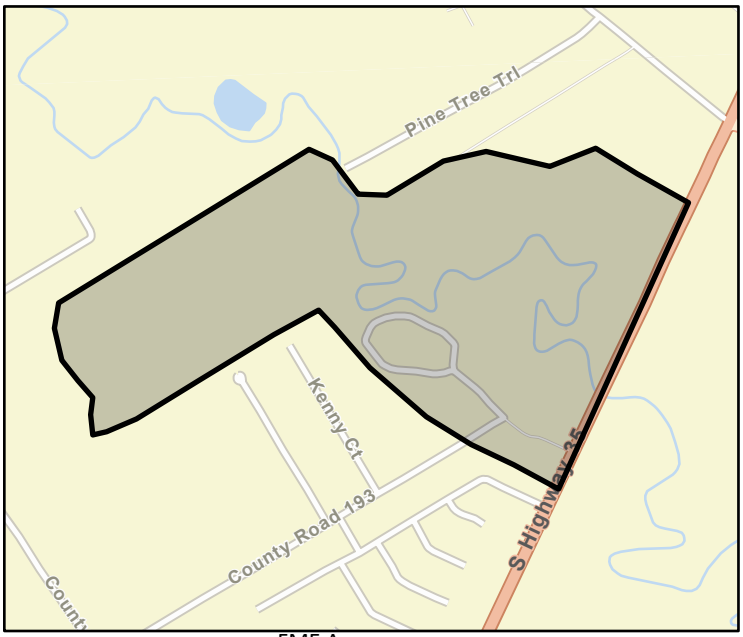
Historical road closures: 0

Estimated Cost and Funding Availability

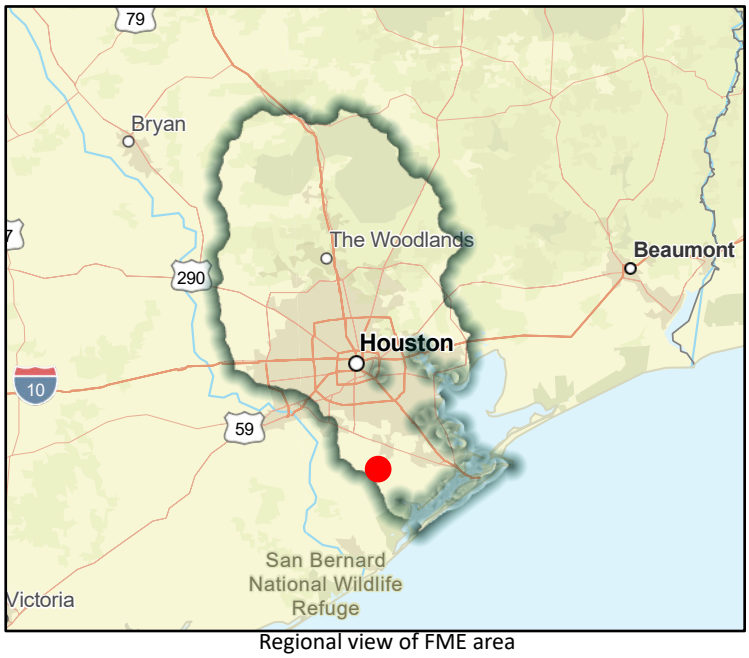
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Addicks Reservoir - Design and Construction of a Bridge Replacement for Greenhouse Road at South Mayde Creek

ID#: 061000441

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop BCA to become a FMP. This project is part of the South Mayde Creek Plan that could reduce the risk of flooding for more than 70 homes and reduce the rainfall event by more than 340 acres in a pre-Atlas 1% rainfall event.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000072,06000076,06000074,06000077,06000080

Drainage area (Square miles, est.): 15.50

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,455

# of structures: 692

Critical facilities: 12

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 27.30

Roadway(s) impacted (length): 11.65

Number of low water crossings: 0

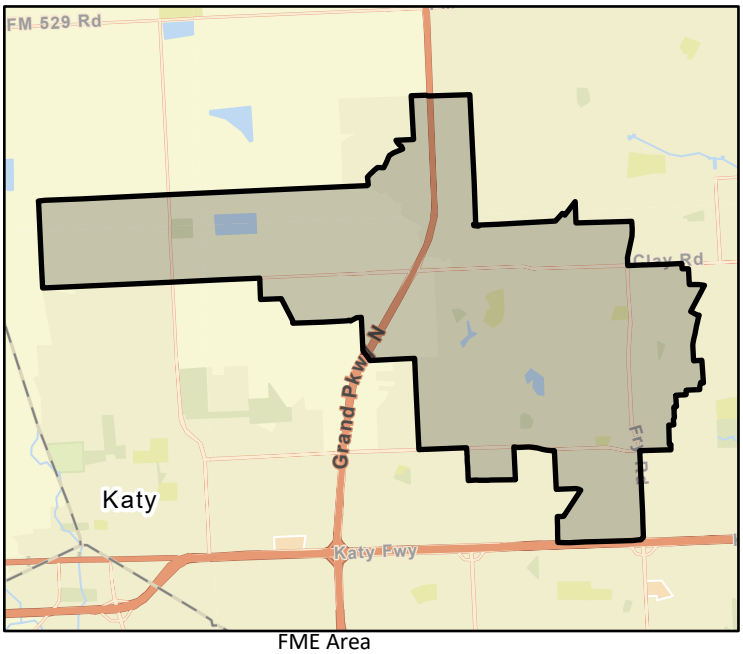
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Forest Estates - Live Oak Creek Watershed
Artesian Forest 1 - Artesian Creek Watershed

ID#: 061000442

Sponsor (name of entity, not person): 06003030

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Montgomery

Watershed HUC# (if known): 06000011,06000020

Drainage area (Square miles, est.): 2.48

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 343

# of structures: 99

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.70

Roadway(s) impacted (length): 2.27

Number of low water crossings: 0

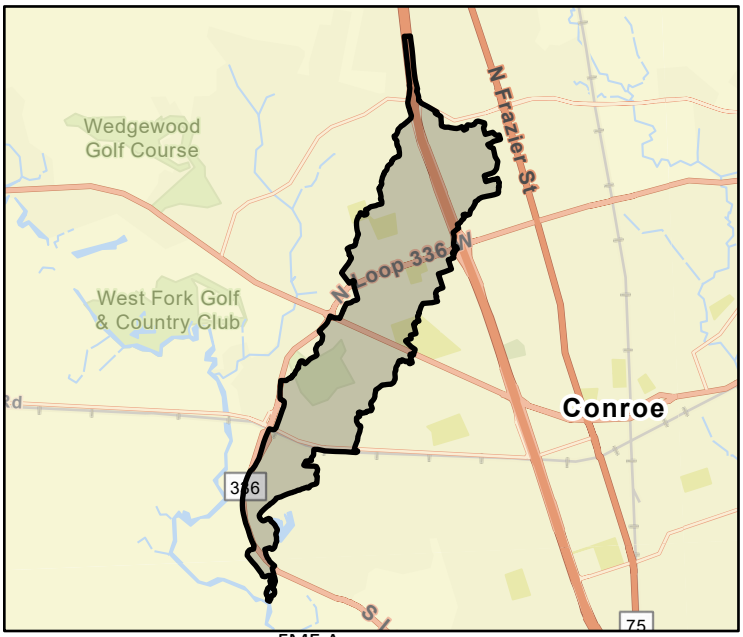
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Artesian Forest 1 - Artesian Creek Watershed

ID#: 061000443

Sponsor (name of entity, not person): 06003030

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Montgomery

Watershed HUC# (if known): 06000011

Drainage area (Square miles, est.): 1.40

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 68

# of structures: 40

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 6.58

Roadway(s) impacted (length): 0.90

Number of low water crossings: 0

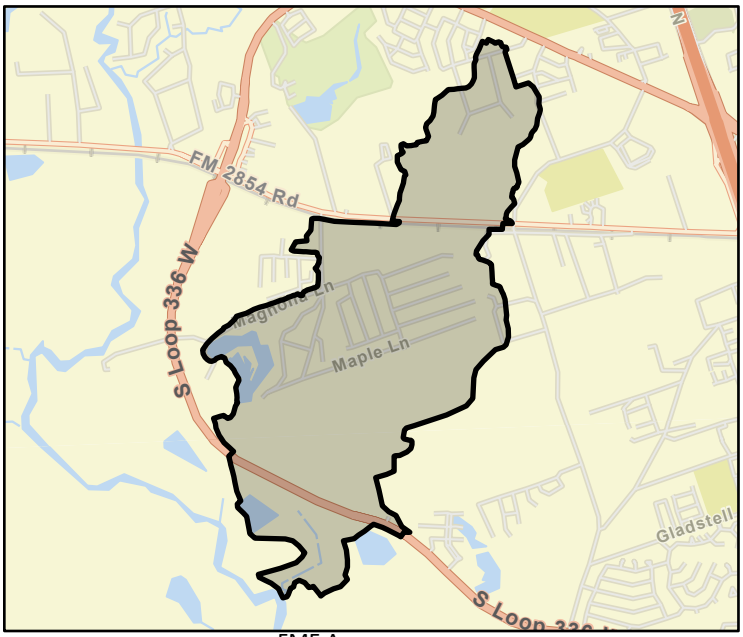
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Artesian Forest East - Artesian Creek Watershed

ID#: 061000444

Sponsor (name of entity, not person): 06003030

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Montgomery

Watershed HUC# (if known): 06000011

Drainage area (Square miles, est.): 1.40

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 68

# of structures: 40

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 6.58

Roadway(s) impacted (length): 0.90

Number of low water crossings: 0

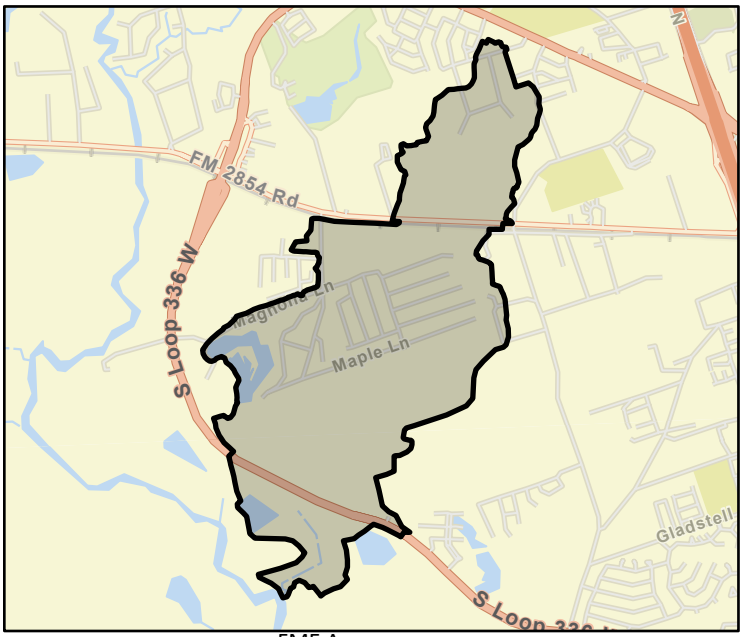
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Lilly - Alligator Creek Watershed

ID#: 061000445

Sponsor (name of entity, not person): 06003030

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Montgomery

Watershed HUC# (if known): 06000011,06000020

Drainage area (Square miles, est.): 6.01

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,300

# of structures: 516

Critical facilities: 1

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 2.45

Roadway(s) impacted (length): 9.90

Number of low water crossings: 9

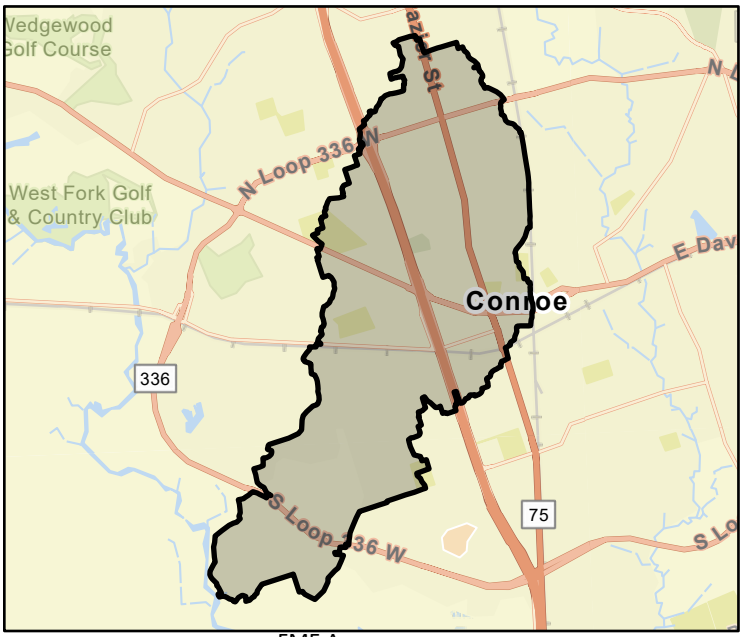
Historical road closures: 9

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title East Fork North - Alligator Creek Watershed
"

ID# 061000446

Sponsor (name of entity, not person) 06003030

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Montgomery Watershed HUC# (if known) 06000011,06000020

Drainage area (Square miles, est.) 6.01 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 2,300 # of structures 516 Critical facilities 1

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

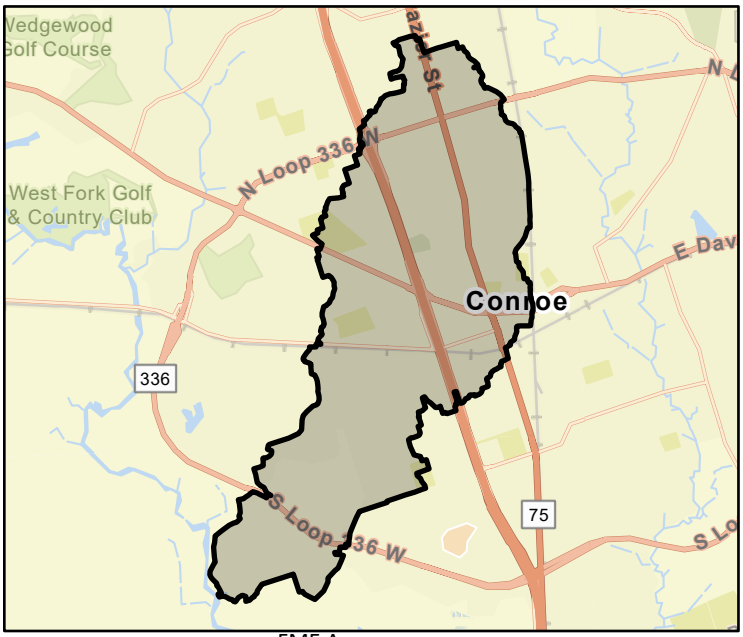
Farm/Ranch land impacted (acres) 2.45 Roadway(s) impacted (length) 9.90

Number of low water crossings 9 Historical road closures 9

Estimated Cost and Funding Availability

Total Cost 30,000.00 Amount of Available Funding

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title East Fork South - Alligator Creek Watershed
"

ID# 061000447

Sponsor (name of entity, not person) 06003030

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Montgomery Watershed HUC# (if known) 06000011,06000020

Drainage area (Square miles, est.) 6.01 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 2,300 # of structures 516 Critical facilities 1

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

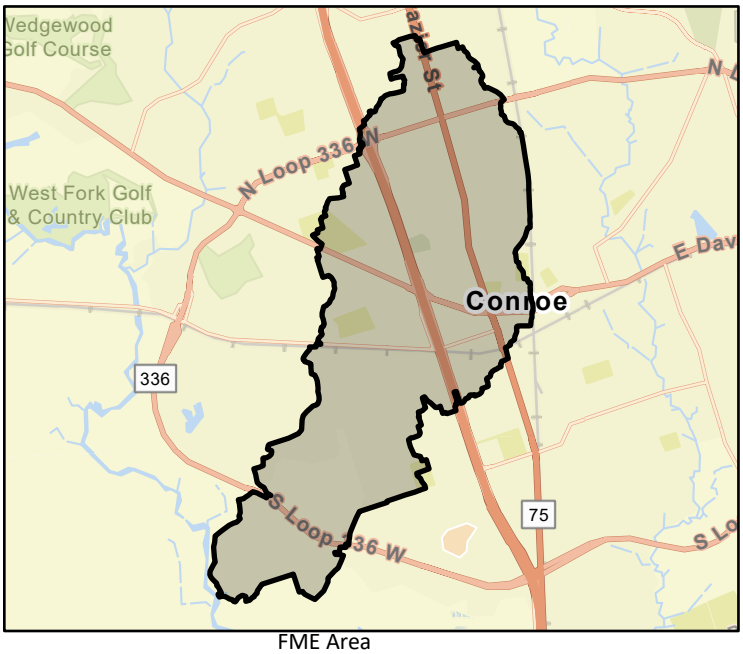
Farm/Ranch land impacted (acres) 2.45 Roadway(s) impacted (length) 9.90

Number of low water crossings 9 Historical road closures 9

Estimated Cost and Funding Availability

Total Cost 30,000.00 Amount of Available Funding

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: West Branch - Alligator Creek Watershed

ID#: 061000448

Sponsor (name of entity, not person): 06003030

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Montgomery

Watershed HUC# (if known): 06000011,06000020

Drainage area (Square miles, est.): 6.01

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,300

# of structures: 516

Critical facilities: 1

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 2.45

Roadway(s) impacted (length): 9.90

Number of low water crossings: 9

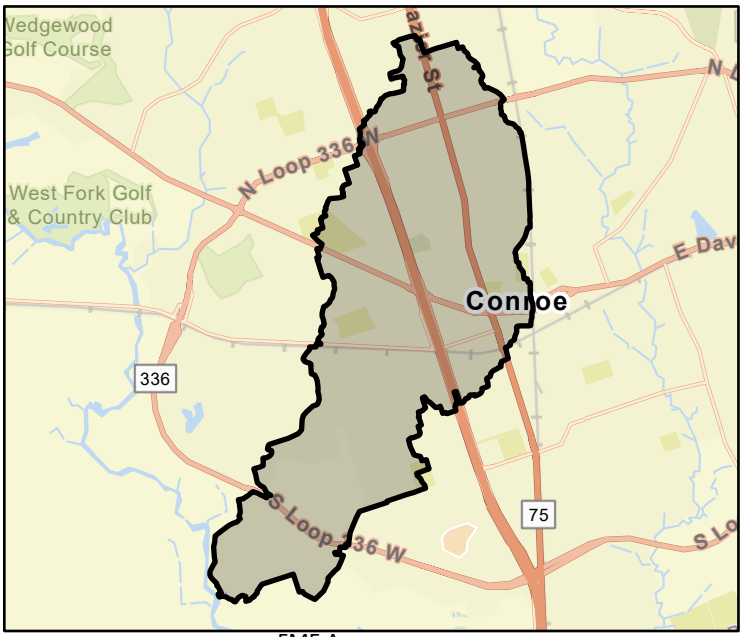
Historical road closures: 9

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Oak Hollow - Alligator Creek Watershed

ID#: 061000449

Sponsor (name of entity, not person): 06003030

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Montgomery

Watershed HUC# (if known): 06000011,06000020

Drainage area (Square miles, est.): 6.01

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,300

# of structures: 516

Critical facilities: 1

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 2.45

Roadway(s) impacted (length): 9.90

Number of low water crossings: 9

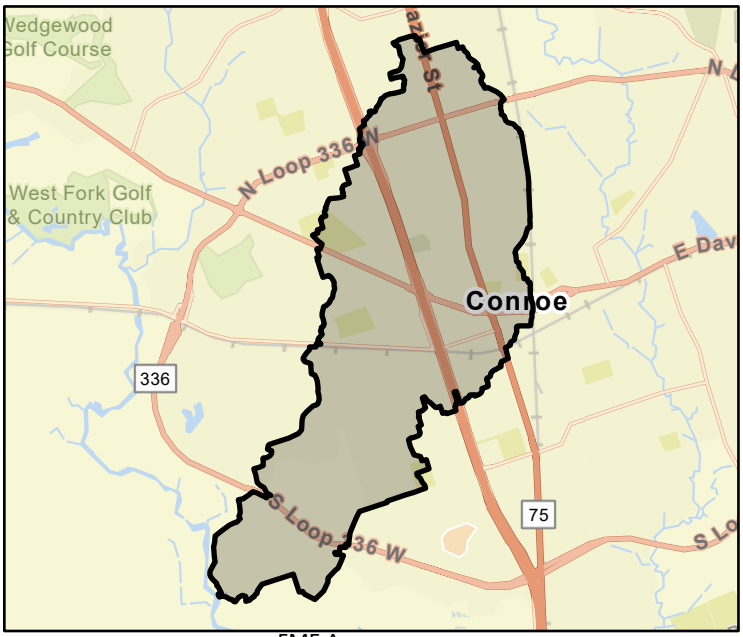
Historical road closures: 9

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Cable - Alligator Creek Watershed

ID#: 061000450

Sponsor (name of entity, not person): 06003030

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Montgomery

Watershed HUC# (if known): 06000011,06000020

Drainage area (Square miles, est.): 6.01

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,300

# of structures: 516

Critical facilities: 1

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 2.45

Roadway(s) impacted (length): 9.90

Number of low water crossings: 9

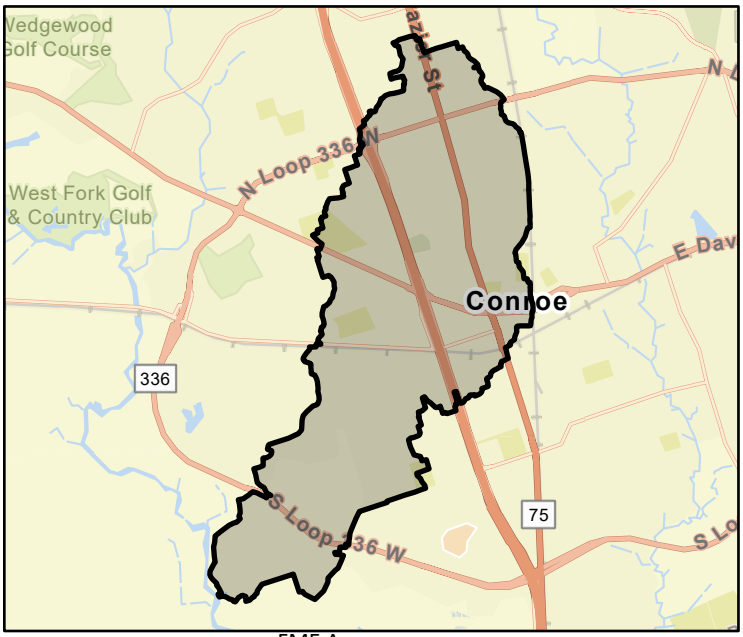
Historical road closures: 9

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: South Frazier - Grand Lake Creek Watershed

ID#: 061000451

Sponsor (name of entity, not person): 06003030

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Montgomery

Watershed HUC# (if known): 06000011,06000020

Drainage area (Square miles, est.): 3.51

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,381

# of structures: 365

Critical facilities: 5

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 2.99

Roadway(s) impacted (length): 6.67

Number of low water crossings: 0

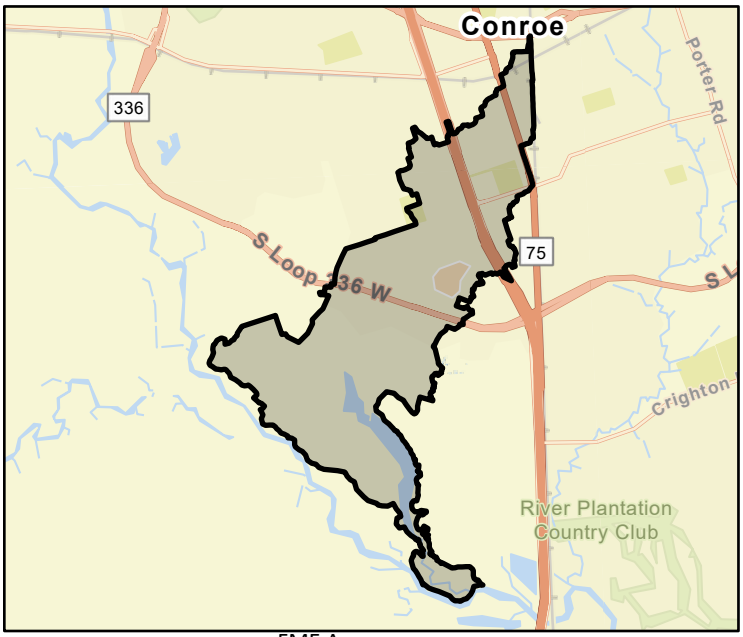
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Rivershire East - Grand Lake Creek Watershed

ID#: 061000452

Sponsor (name of entity, not person): 06003030

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Montgomery

Watershed HUC# (if known): 06000011,06000020

Drainage area (Square miles, est.): 3.51

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,381

# of structures: 365

Critical facilities: 5

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 2.99

Roadway(s) impacted (length): 6.67

Number of low water crossings: 0

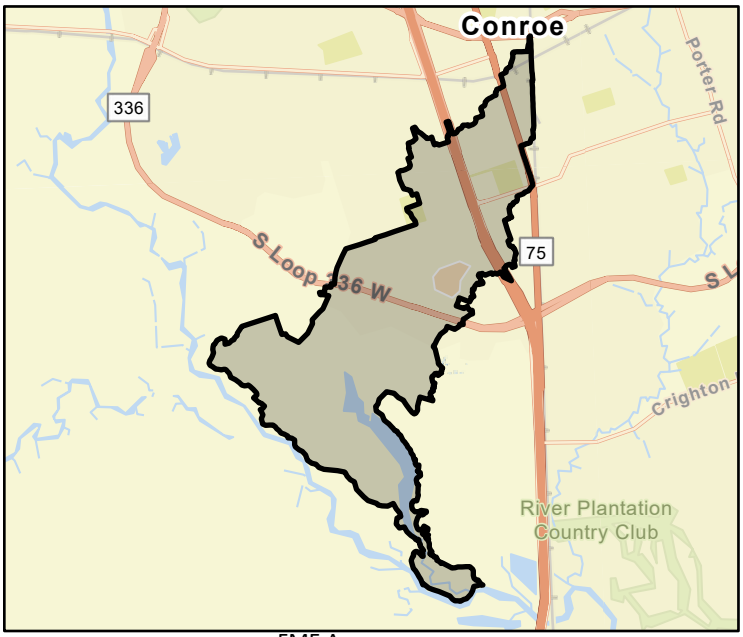
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Baretta - Grand Lake Creek Watershed

ID#: 061000454

Sponsor (name of entity, not person): 06003030

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Montgomery

Watershed HUC# (if known): 06000020

Drainage area (Square miles, est.): 3.59

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 171

# of structures: 102

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 3.96

Roadway(s) impacted (length): 5.95

Number of low water crossings: 1

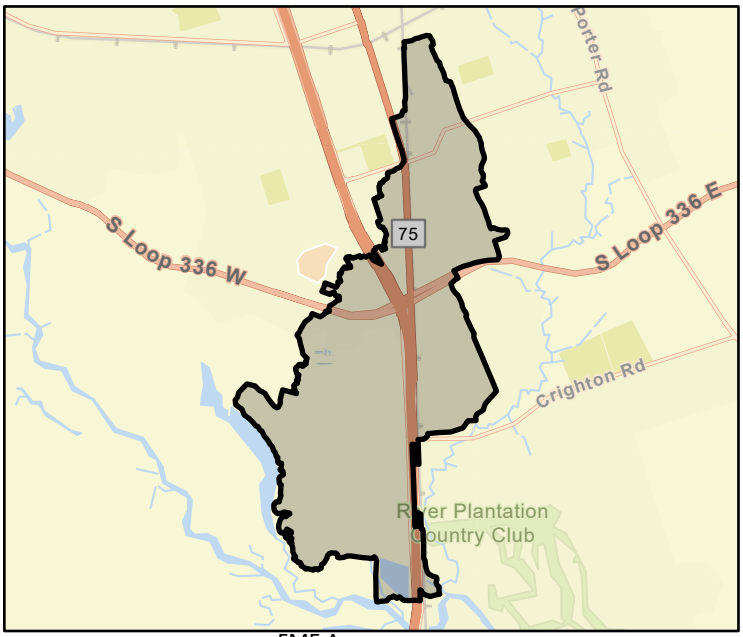
Historical road closures: 1

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Valley - Stewarts Creek Watershed

ID#: 061000455

Sponsor (name of entity, not person): 06003030

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Montgomery

Watershed HUC# (if known): 06000011,06000022,06000020,06000021,06000009,06000010

Drainage area (Square miles, est.): 19.66

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,606

# of structures: 374

Critical facilities: 6

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 6.73

Roadway(s) impacted (length): 10.32

Number of low water crossings: 7

Historical road closures: 7

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Hunnington - Stewarts Creek Watershed

ID#: 061000456

Sponsor (name of entity, not person): 06003030

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Montgomery

Watershed HUC# (if known): 06000011,06000022,06000020,06000021,06000009,06000010

Drainage area (Square miles, est.): 19.66

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,606

# of structures: 374

Critical facilities: 6

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 6.73

Roadway(s) impacted (length): 10.32

Number of low water crossings: 7

Historical road closures: 7

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Avenue M - Stewarts Creek Watershed

ID#: 061000457

Sponsor (name of entity, not person): 06003030

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Montgomery

Watershed HUC# (if known): 06000011,06000022,06000020,06000021,06000009,06000010

Drainage area (Square miles, est.): 19.66

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,606

# of structures: 374

Critical facilities: 6

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 6.73

Roadway(s) impacted (length): 10.32

Number of low water crossings: 7

Historical road closures: 7

Estimated Cost and Funding Availability

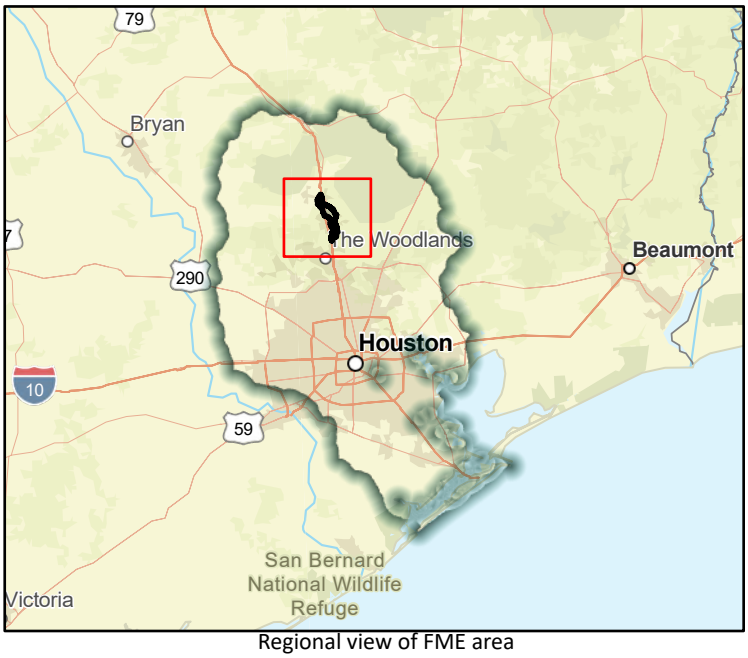
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: South 3rd - Stewarts Creek Watershed

ID#: 061000458

Sponsor (name of entity, not person): 06003030

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Montgomery

Watershed HUC# (if known): 06000011,06000022,06000020,06000021,06000009,06000010

Drainage area (Square miles, est.): 19.66

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,606

# of structures: 374

Critical facilities: 6

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 6.73

Roadway(s) impacted (length): 10.32

Number of low water crossings: 7

Historical road closures: 7

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Toby - Little Caney Creek Watershed

ID#: 061000459

Sponsor (name of entity, not person): 06003030

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Montgomery

Watershed HUC# (if known): 06000022,06000020,06000021

Drainage area (Square miles, est.): 8.61

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 571

# of structures: 271

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 3.90

Roadway(s) impacted (length): 6.54

Number of low water crossings: 0

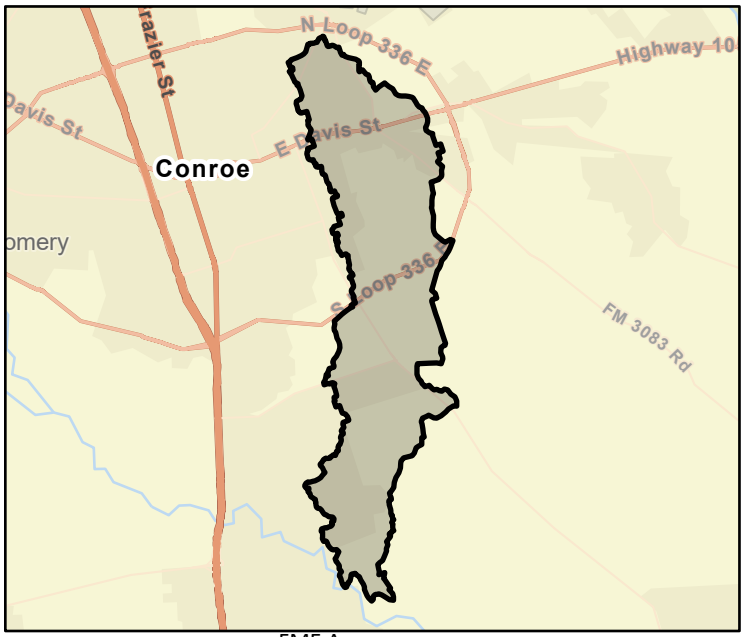
Historical road closures: 0

Estimated Cost and Funding Availability

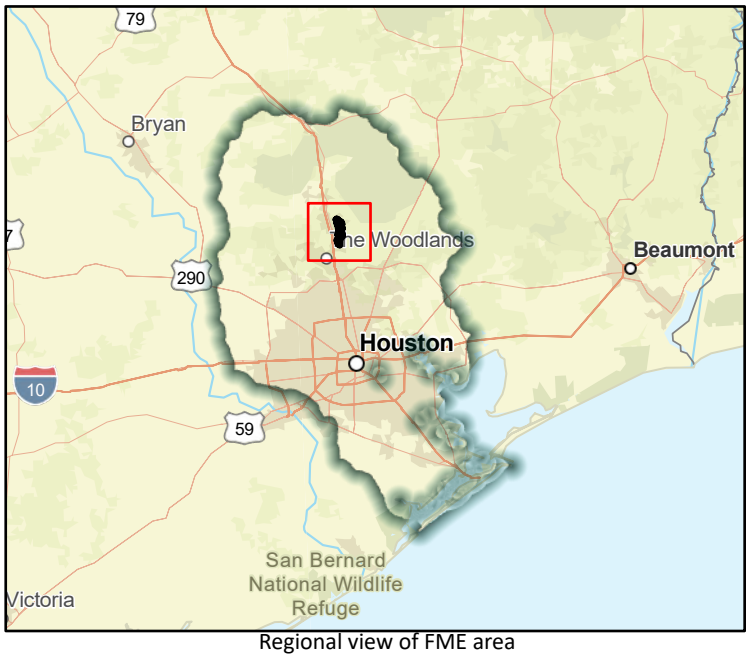
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Southern Oak - Little Laney Creek

ID#: 061000460

Sponsor (name of entity, not person): 06003030

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Montgomery

Watershed HUC# (if known): 06000022,06000020,06000021

Drainage area (Square miles, est.): 8.61

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 571

# of structures: 271

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 3.90

Roadway(s) impacted (length): 6.54

Number of low water crossings: 0

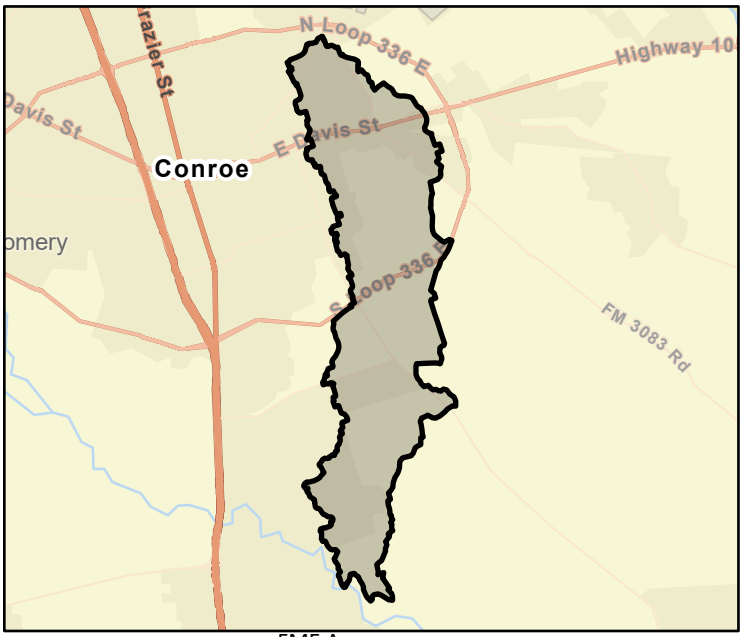
Historical road closures: 0

Estimated Cost and Funding Availability

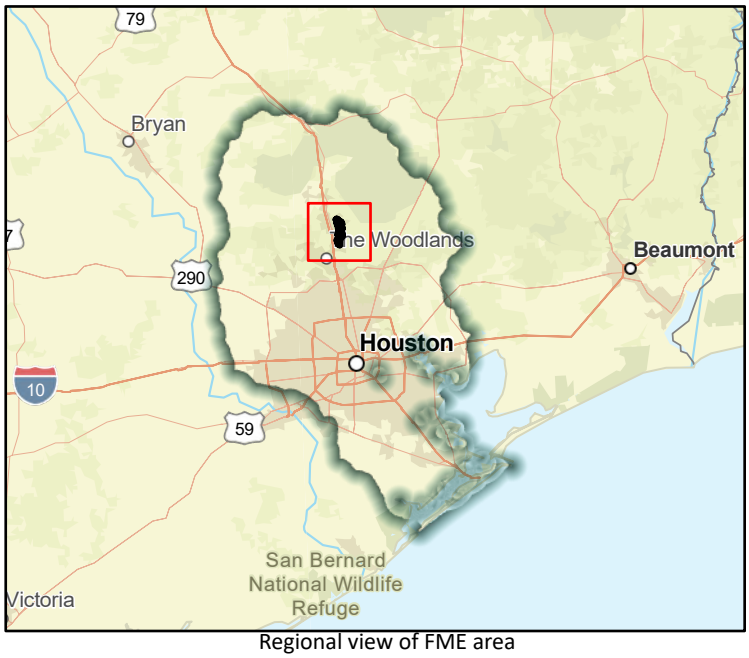
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Rush Creek Lake - Lake Conroe Estates Watershed

ID#: 061000461

Sponsor (name of entity, not person): 06003030

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Montgomery

Watershed HUC# (if known): 06000011,06000010

Drainage area (Square miles, est.): 2.38

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 129

# of structures: 79

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1.18

Roadway(s) impacted (length): 0.38

Number of low water crossings: 1

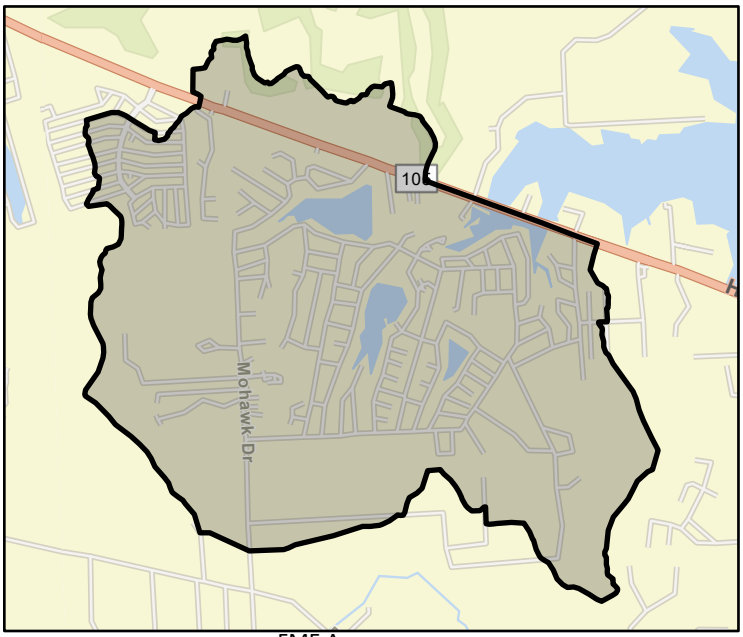
Historical road closures: 1

Estimated Cost and Funding Availability

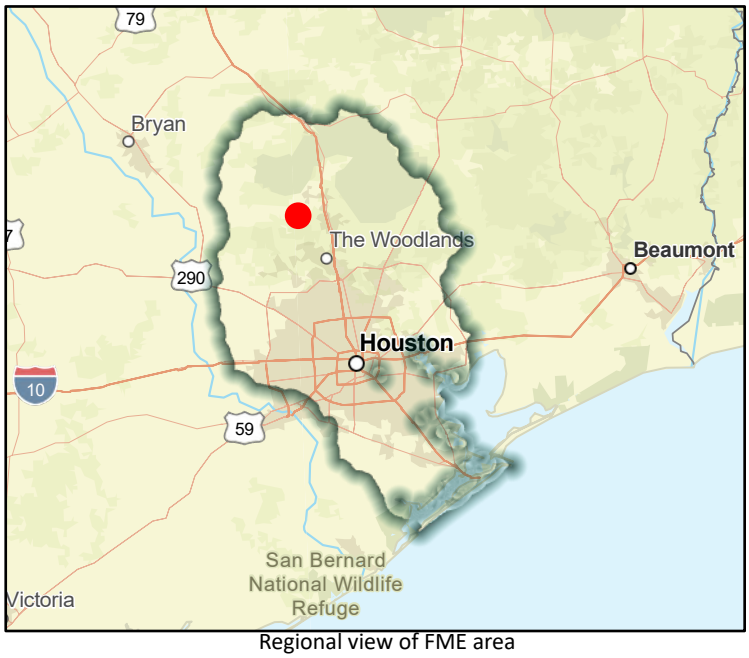
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Longmire and SH-105 - Live Oak Creek Watershed

ID#: 061000462

Sponsor (name of entity, not person): 06003030

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Montgomery

Watershed HUC# (if known): 06000011,06000020

Drainage area (Square miles, est.): 2.48

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 343

# of structures: 99

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.70

Roadway(s) impacted (length): 2.27

Number of low water crossings: 0

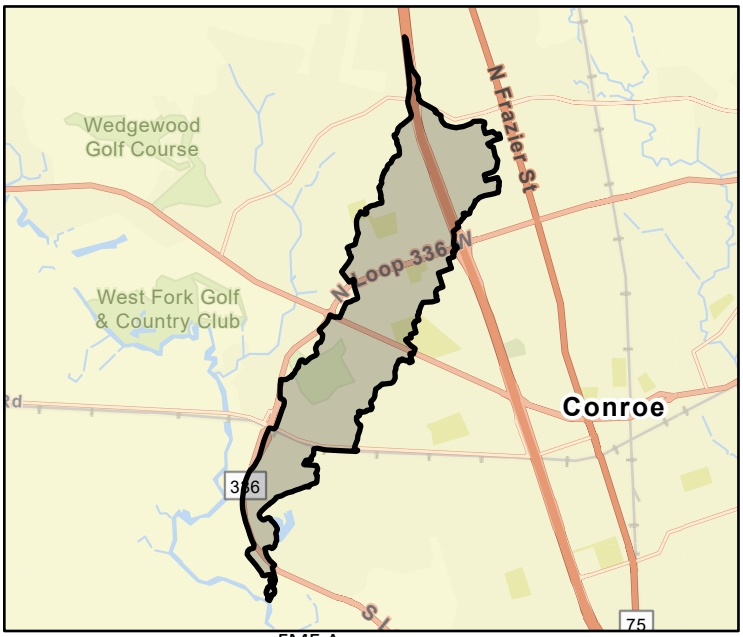
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Southeast Montgomery County Master Drainage Plan

ID#: 061000463

Sponsor (name of entity, not person): 06000037

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Montgomery

Watershed HUC# (if known): 06000022,06000020,06000021,06000024,06000023,06000044,0600005

Drainage area (Square miles, est.): 312.72

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 16,360

# of structures: 10,008

Critical facilities: 37

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 296.67

Roadway(s) impacted (length): 212.79

Number of low water crossings: 17

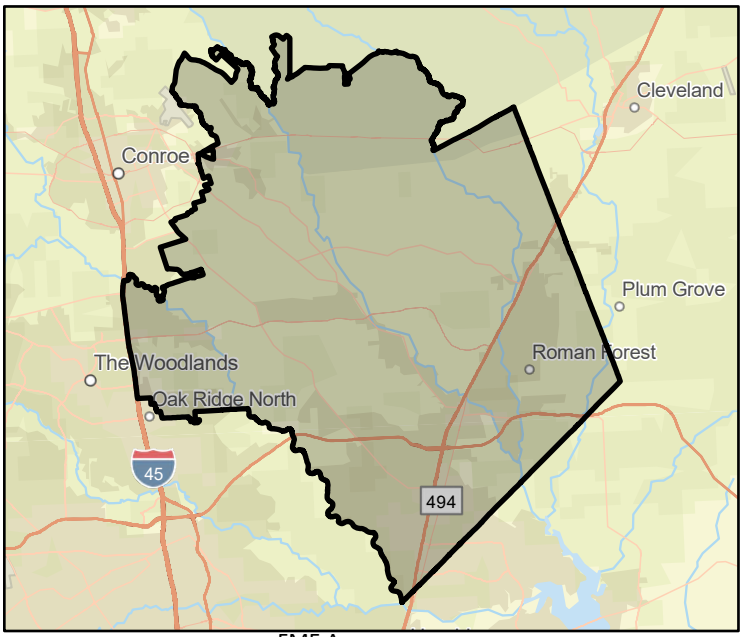
Historical road closures: 17

Estimated Cost and Funding Availability

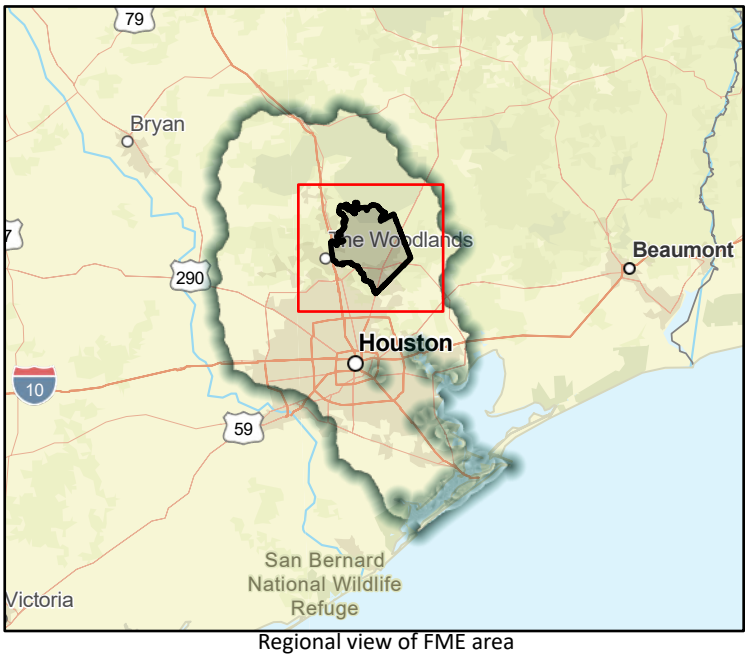
Total Cost: 1,170,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Carpenters Bayou (West Acres, Shadowglen & Old River Terrace Neighborhood)

ID#: 061000464

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study to develop a BCA required to elevate project to FMP. The project is to reduce flooding in the Problem Area #5 identified by the Carpenters Bayou Watershed Planning Project Report, 2021.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000025,06000091,06000095,06000097,06000094,06000092,0600009

Drainage area (Square miles, est.): 31.03

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,731

# of structures: 812

Critical facilities: 24

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 96.27

Roadway(s) impacted (length): 18.83

Number of low water crossings: 2

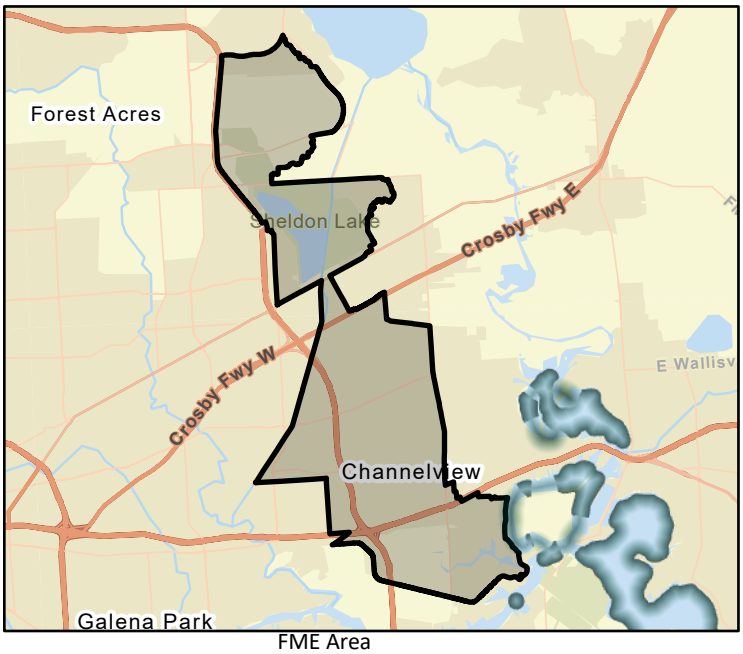
Historical road closures: 2

Estimated Cost and Funding Availability

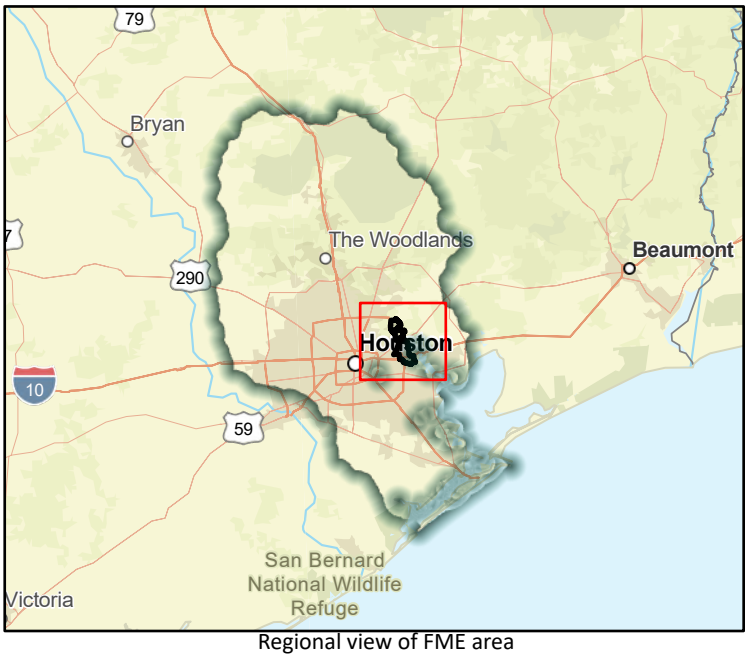
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Catalina

ID# 061000465

Sponsor (name of entity, not person) 00002853

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a BCR and other data needed to elevate project to a FMP. FIF application information unavailable.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris Watershed HUC# (if known) 06000106

Drainage area (Square miles, est.) 261.60 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 92,712 # of structures 33,641 Critical facilities 392

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

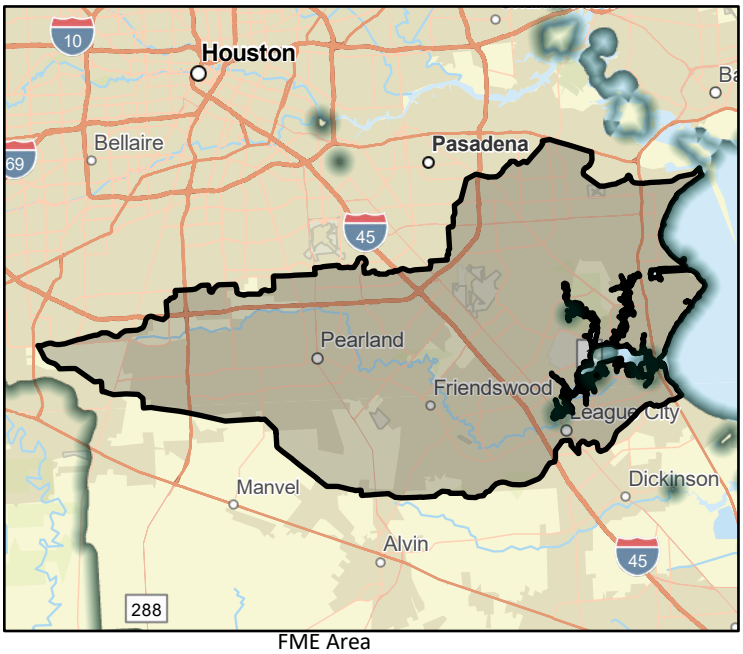
Farm/Ranch land impacted (acres) 596.69 Roadway(s) impacted (length) 578.02

Number of low water crossings 16 Historical road closures 16

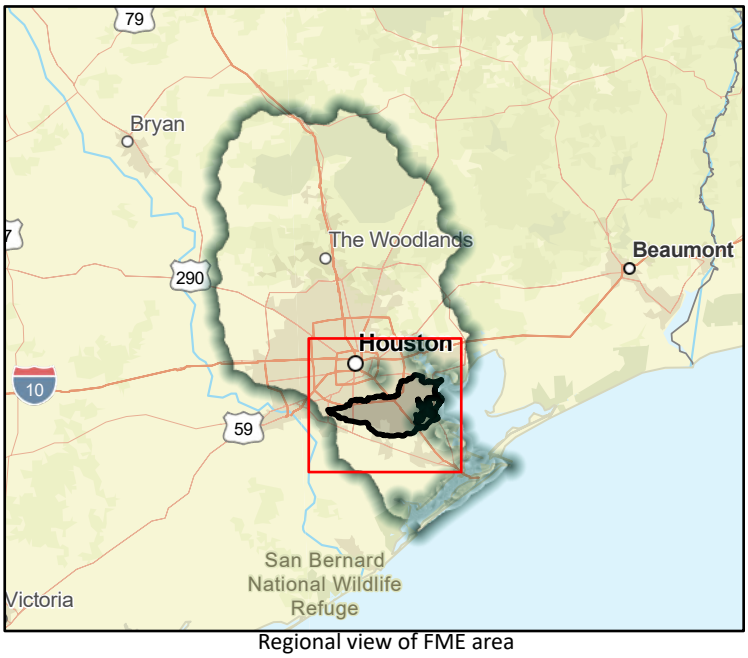
Estimated Cost and Funding Availability

Total Cost 30,000.00 Amount of Available Funding

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Ledge Street Area Drainage and Paving

ID#: 061000470

Sponsor (name of entity, not person): 00002853

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Project provides for design and construction of storm water drainage and paving improvements, mitigation, and necessary utilities to serve the Ledge and Nathaniel areas east of Clearwood Drive to mitigate structural flooding risk.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000086

Drainage area (Square miles, est.): 0.14

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures:

Critical facilities:

Flood risk type: Riverine?: No Coastal?: No Local?: No Playa?: No Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.00

Number of low water crossings:

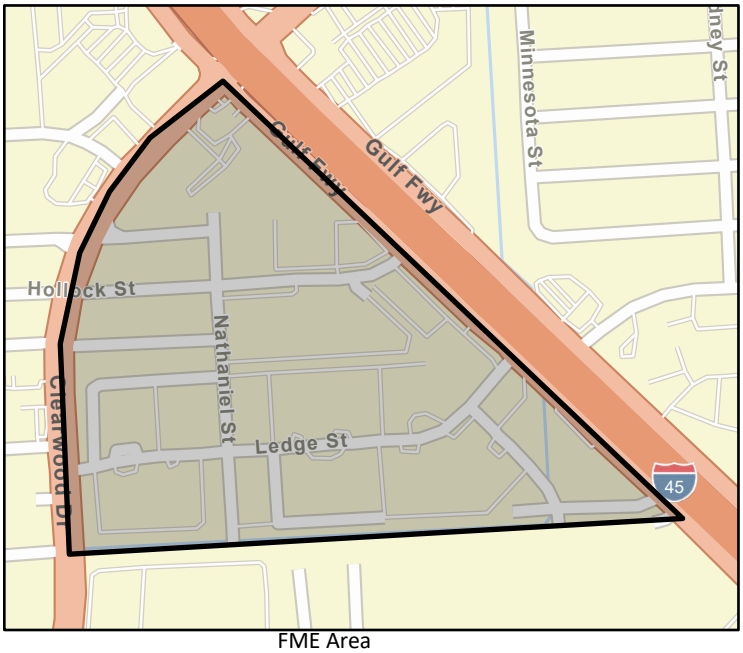
Historical road closures:

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Chateau Forest Area Drainage and Paving (30%) Goforth

ID#: 061000476

Sponsor (name of entity, not person): 00002853

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Project for design and construction of storm drainage and paving improvements in the Chateau Forest Drive and West Little York Road Areas. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000079

Drainage area (Square miles, est.): 0.53

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,937

# of structures: 672

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 6.07

Number of low water crossings:

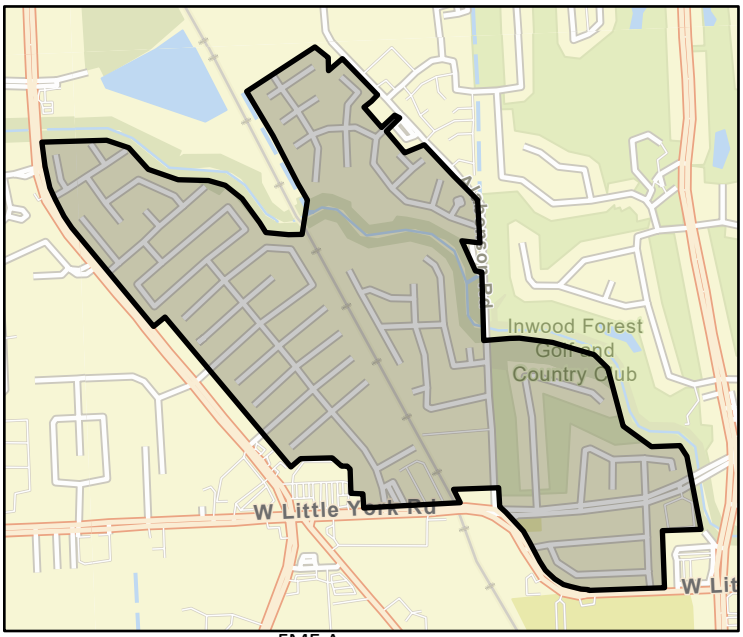
Historical road closures:

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Drainage and Paving Improvements for Cottage Grove East - Phase II

ID#: 061000477

Sponsor (name of entity, not person): 00002853

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Phase 2 of storm drainage and street improvements bounded by IH-10W, White Oak Bayou, TC Jester, and Durham Dr. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000081

Drainage area (Square miles, est.): 0.18

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 30

# of structures: 27

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.65

Number of low water crossings: 0

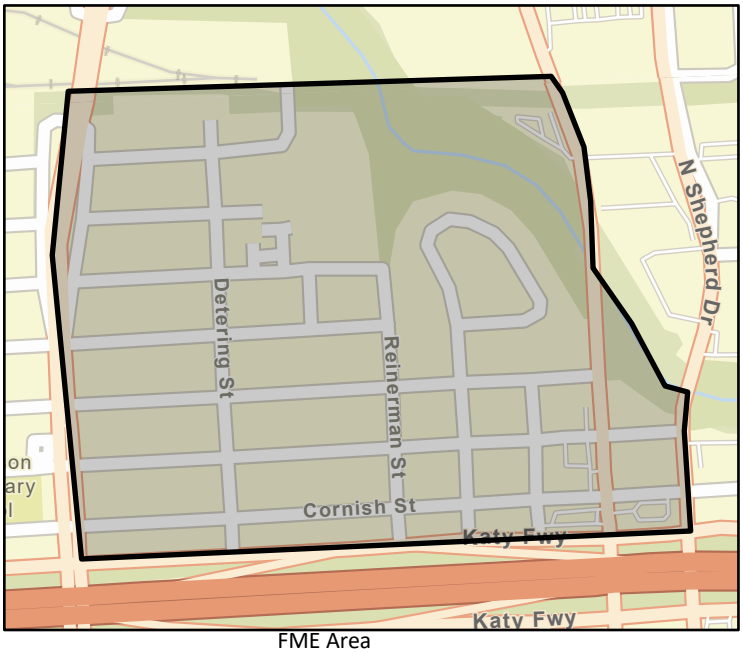
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: TIRZ17 Memorial City Area Detention Basin

ID#: 061000478

Sponsor (name of entity, not person): 00002853

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Provides for right-of-way aquisition, design and construction of detention basins to mitigate impacts in the Memorial City Area. Cost is to perform the BCA and additional anlaysis to promote this FME to a FMP.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000080

Drainage area (Square miles, est.): 0.03

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 156

# of structures: 43

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.22

Number of low water crossings: 0

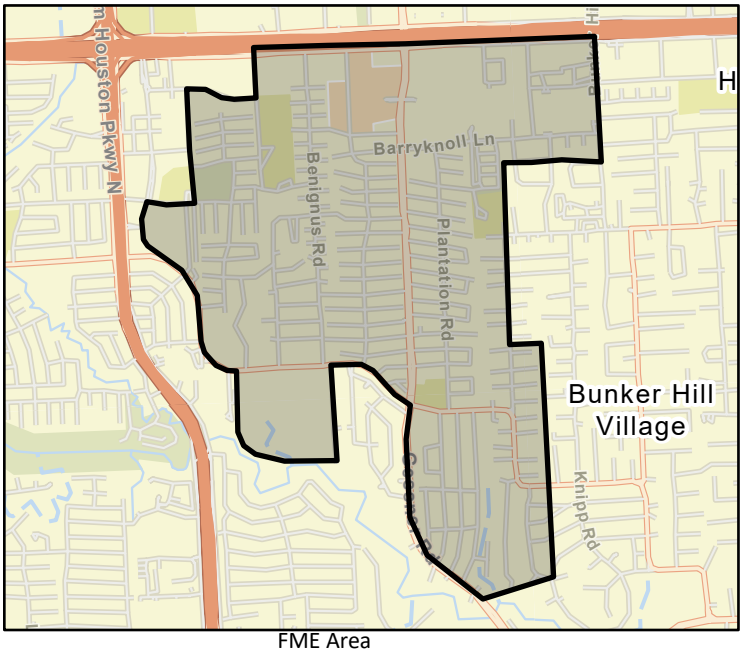
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title P518 Aldine West field

ID# 061000479

Sponsor (name of entity, not person) 00002853

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Project for design and construction of detention pond in conjuction with TxDot. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris Watershed HUC# (if known) 06000090

Drainage area (Square miles, est.) 0.02 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 10,517 # of structures 3,550 Critical facilities 35

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

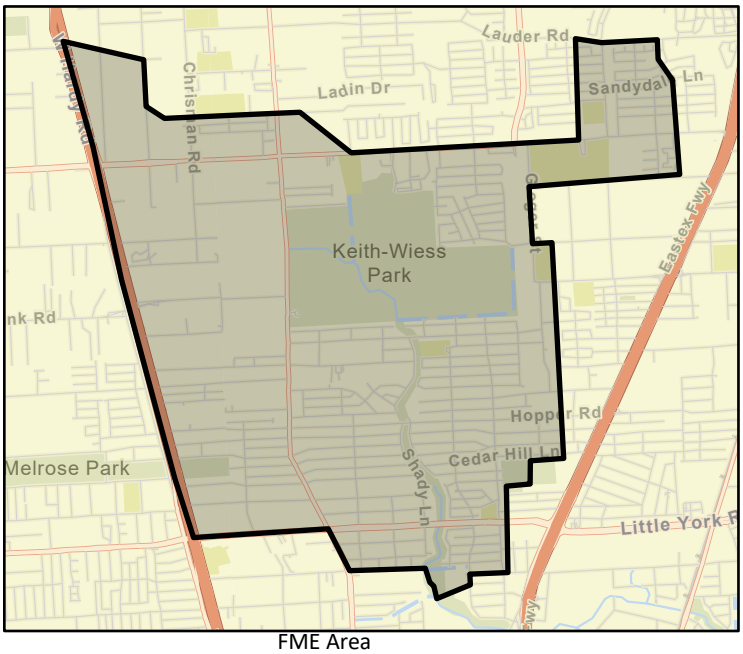
Farm/Ranch land impacted (acres) 1.68 Roadway(s) impacted (length) 29.30

Number of low water crossings 1 Historical road closures 1

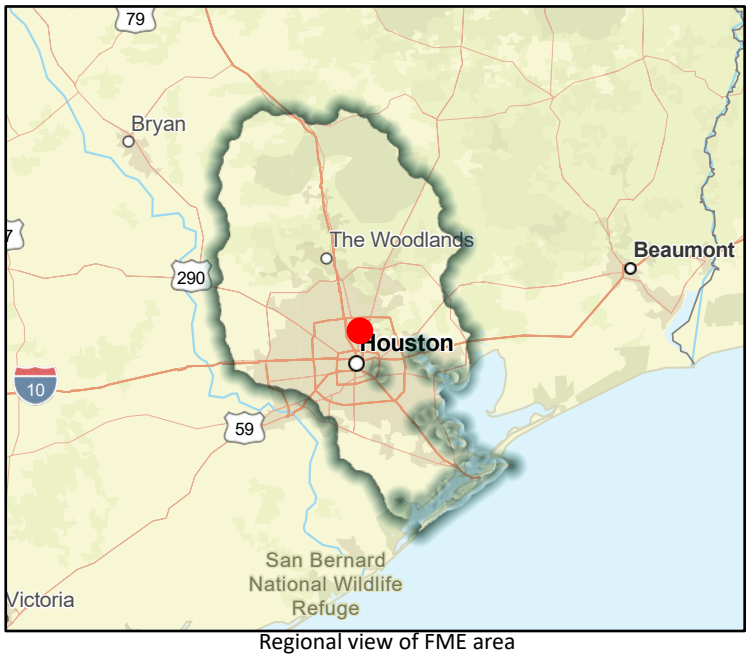
Estimated Cost and Funding Availability

Total Cost 30,000.00 Amount of Available Funding

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Spring Shadows North

ID#: 061000480

Sponsor (name of entity, not person): 00002853

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Project for design and construction of storm drainage and paving improvements in the Spring Shadows Areas to mitigate structural flooding risk. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000079, 06000080

Drainage area (Square miles, est.): 0.43

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures:

Critical facilities:

Flood risk type: Riverine? No Coastal? No Local? No Playa? No Other? No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.00

Number of low water crossings:

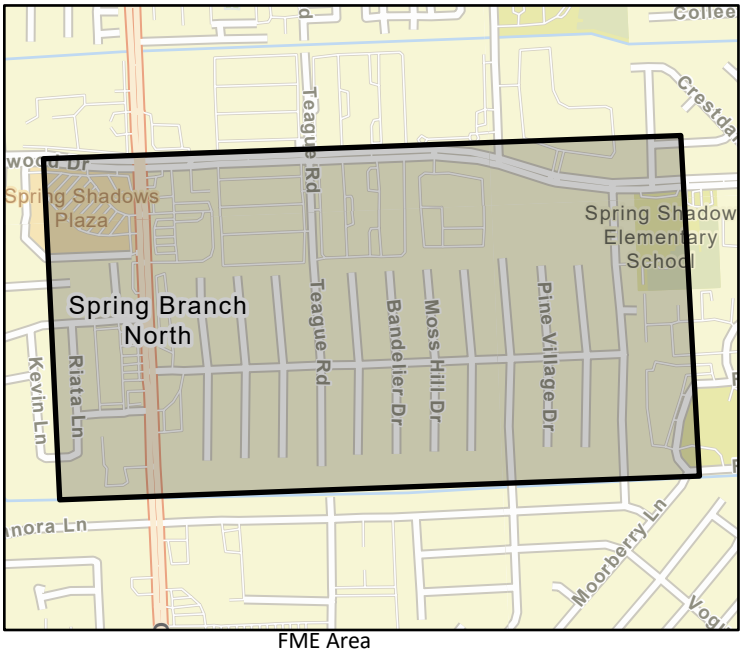
Historical road closures:

Estimated Cost and Funding Availability

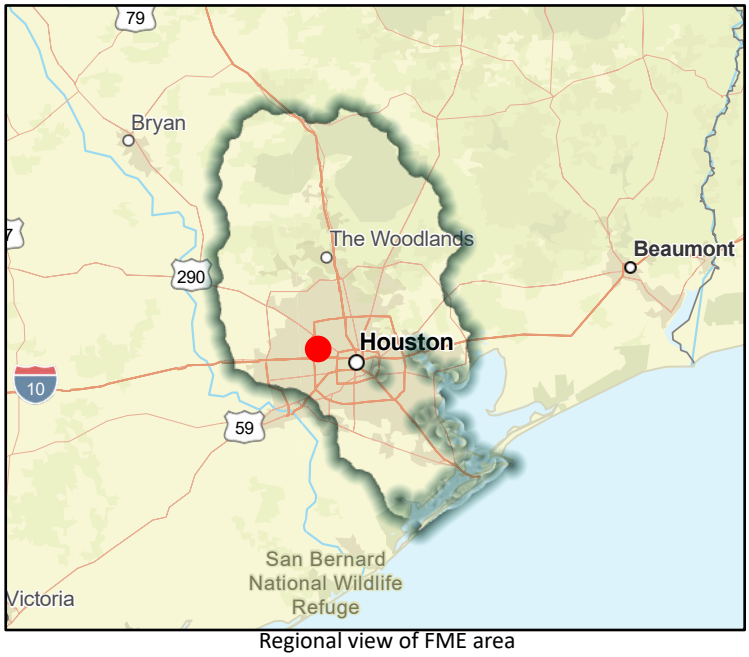
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Gellhorn

ID# 061000482

Sponsor (name of entity, not person) 00002853

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description This project provides for paving improvements including storm inlet improvements in the Gelhorn Area. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris Watershed HUC# (if known) 06000093

Drainage area (Square miles, est.) 0.02 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 8,578 # of structures 36 Critical facilities 0

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? No

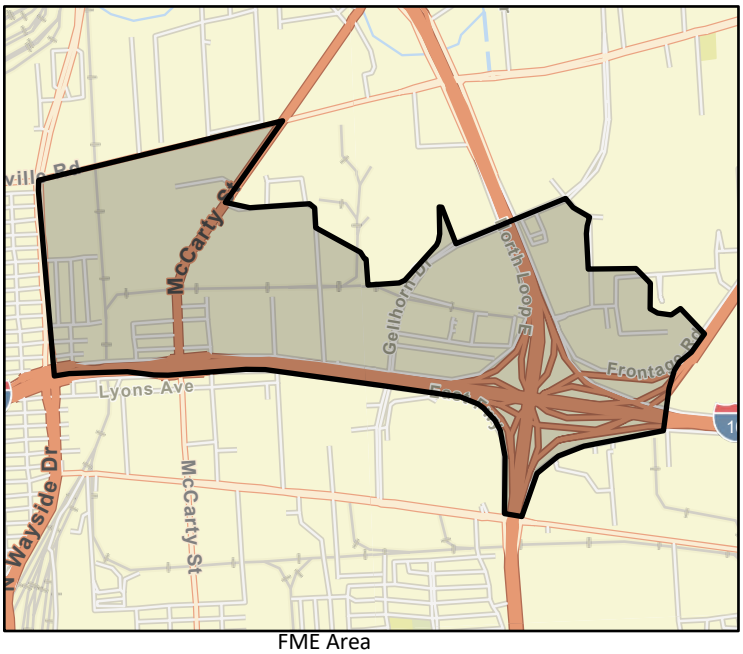
Farm/Ranch land impacted (acres) 0.67 Roadway(s) impacted (length) 6.81

Number of low water crossings 2 Historical road closures 2

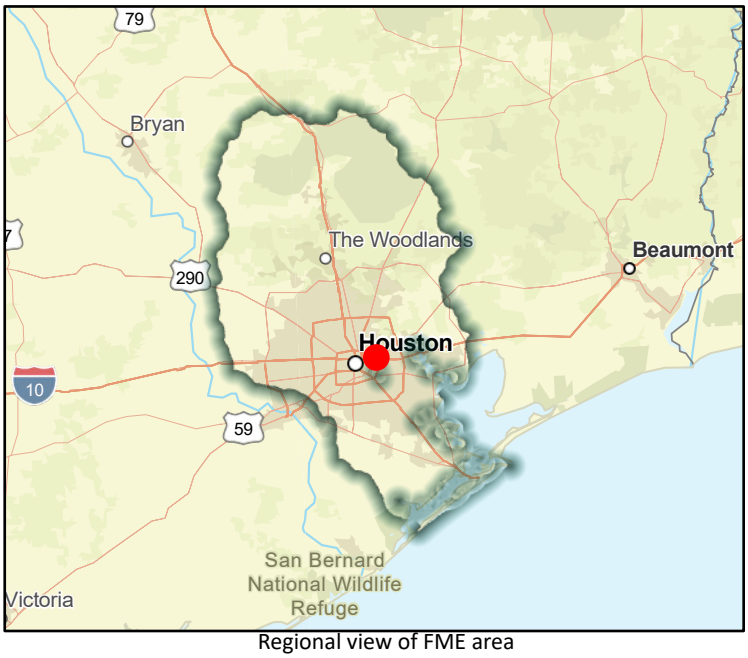
Estimated Cost and Funding Availability

Total Cost 30,000.00 Amount of Available Funding

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Turkey Gully

ID#: 061000483

Sponsor (name of entity, not person): 00002853

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: This study will analyze the local drainage systems in the Shady Acres area to divert stormwater flow from Turkey Gully to White Oak Bayou. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000081

Drainage area (Square miles, est.): 0.25

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 983

# of structures: 544

Critical facilities: 1

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 3.62

Number of low water crossings: 0

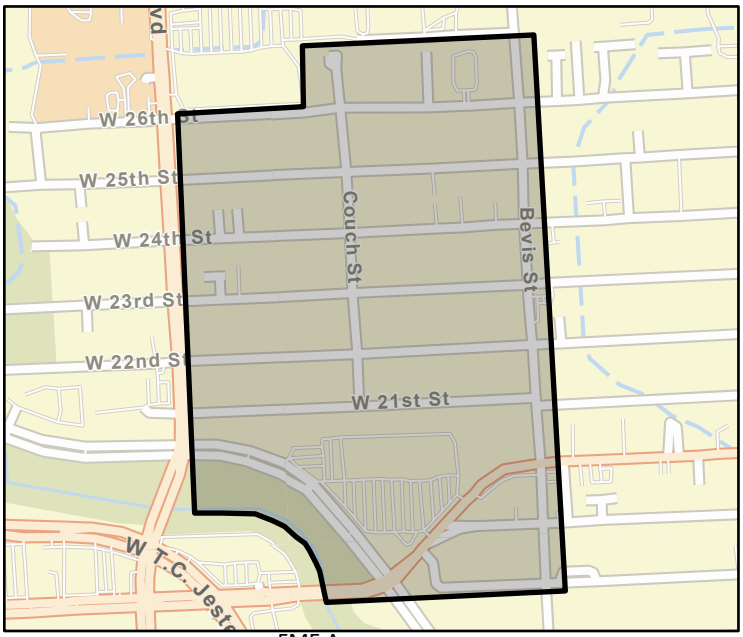
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title D-133 Sharpstown

ID# 061000484

Sponsor (name of entity, not person) 00002853

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description This project provides for the right-of-way acquisition, design and construction of detention basins in the Sharpstown Area. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris Watershed HUC# (if known) 06000083

Drainage area (Square miles, est.) 8.54 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 20,445 # of structures 2,373 Critical facilities 65

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

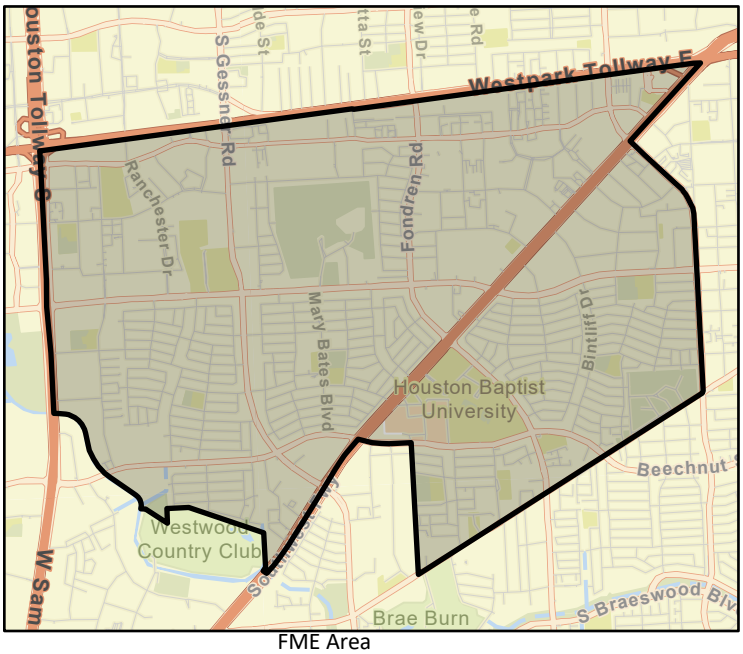
Farm/Ranch land impacted (acres) 0.01 Roadway(s) impacted (length) 31.18

Number of low water crossings 0 Historical road closures 0

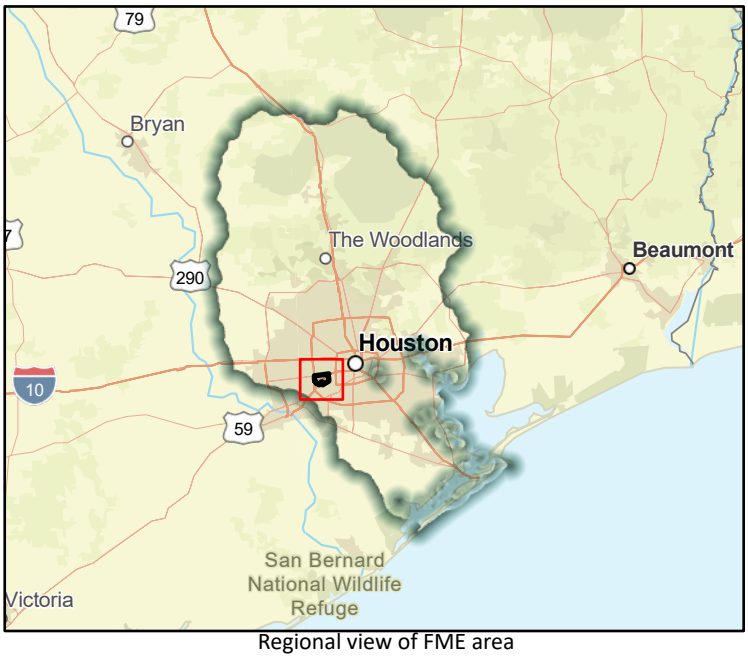
Estimated Cost and Funding Availability

Total Cost 30,000.00 Amount of Available Funding

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Bellaire Newcastle/Kilmarnock Area Drainage Improvements

ID#: 061000485

Sponsor (name of entity, not person): 06002854

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Perform engineering services to develop and advance a flood risk reduction project in the Newcastle/Kilmarnock area, servicing the eastern part of the City of Bellaire.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000083, 06000084

Drainage area (Square miles, est.): 3.60

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 25,741

# of structures: 5,877

Critical facilities: 69

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.16

Roadway(s) impacted (length): 70.92

Number of low water crossings: 0

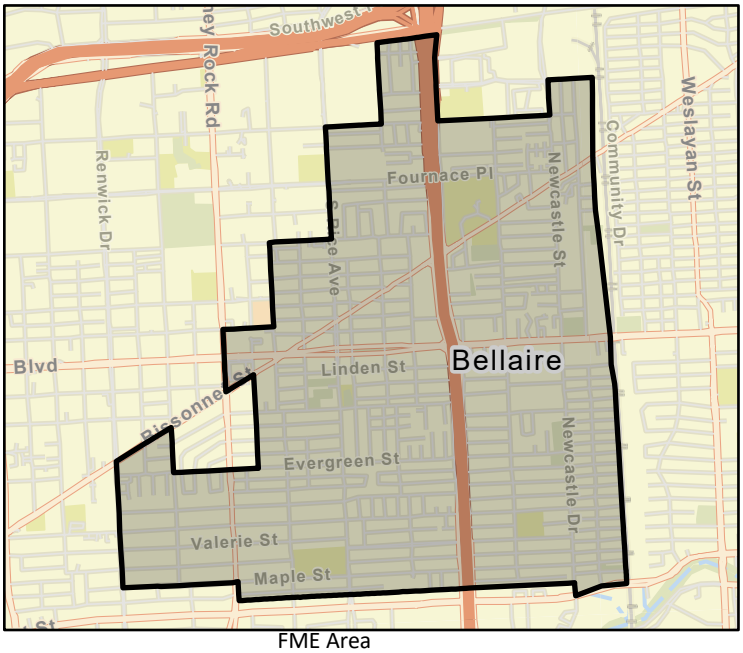
Historical road closures: 0

Estimated Cost and Funding Availability

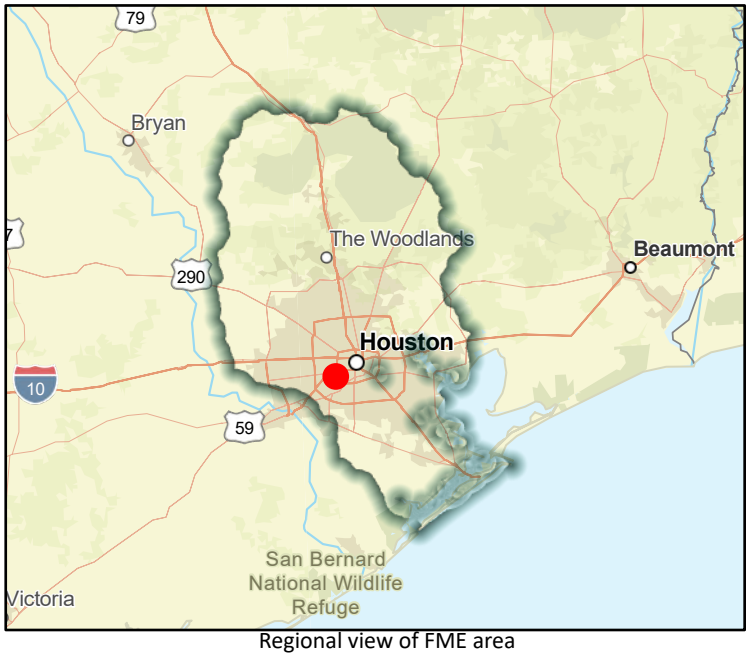
Total Cost: 1,000,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Bellaire Loop 610 Area Drainage Improvements

ID#: 061000486

Sponsor (name of entity, not person): 06002854

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Perform engineering services to develop and advance a flood risk reduction project in the Newcastle area, servicing the east-central part of the City of Bellaire.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000083, 06000084

Drainage area (Square miles, est.): 3.60

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 25,741

# of structures: 5,877

Critical facilities: 69

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.16

Roadway(s) impacted (length): 70.92

Number of low water crossings: 0

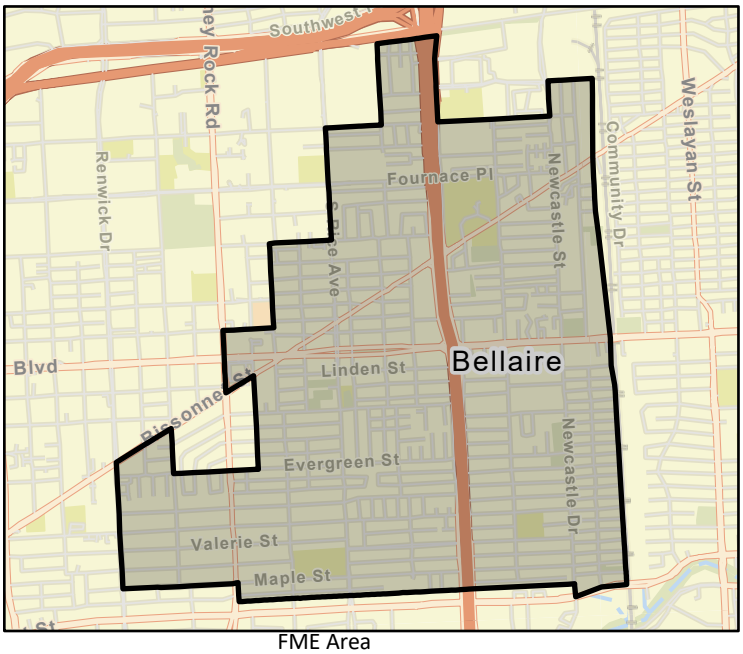
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 1,000,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Bellaire South Rice Area Drainage Improvements

ID#: 061000487

Sponsor (name of entity, not person): 06002854

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Perform engineering services to develop and advance a flood risk reduction project in the South Rice area, servicing the west-central part of the City of Bellaire.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000083, 06000084

Drainage area (Square miles, est.): 3.60

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 25,741

# of structures: 5,877

Critical facilities: 69

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.16

Roadway(s) impacted (length): 70.92

Number of low water crossings: 0

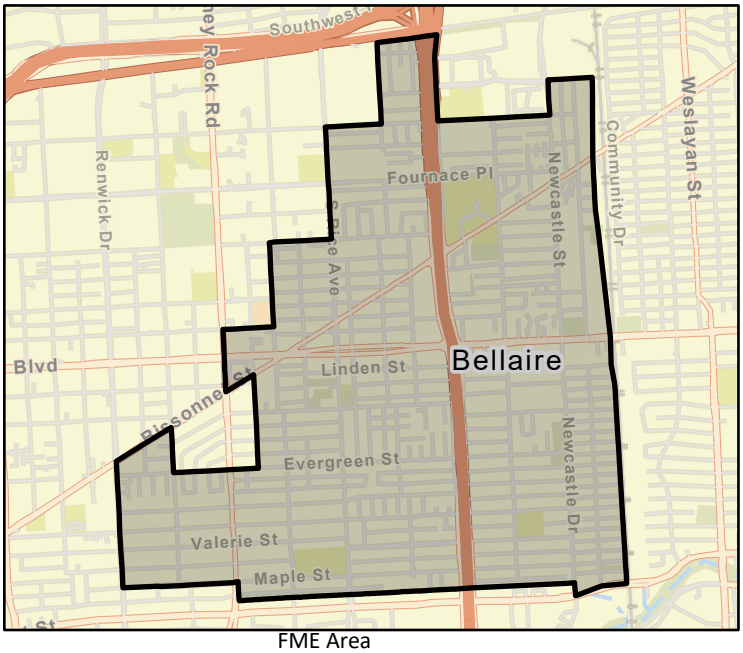
Historical road closures: 0

Estimated Cost and Funding Availability

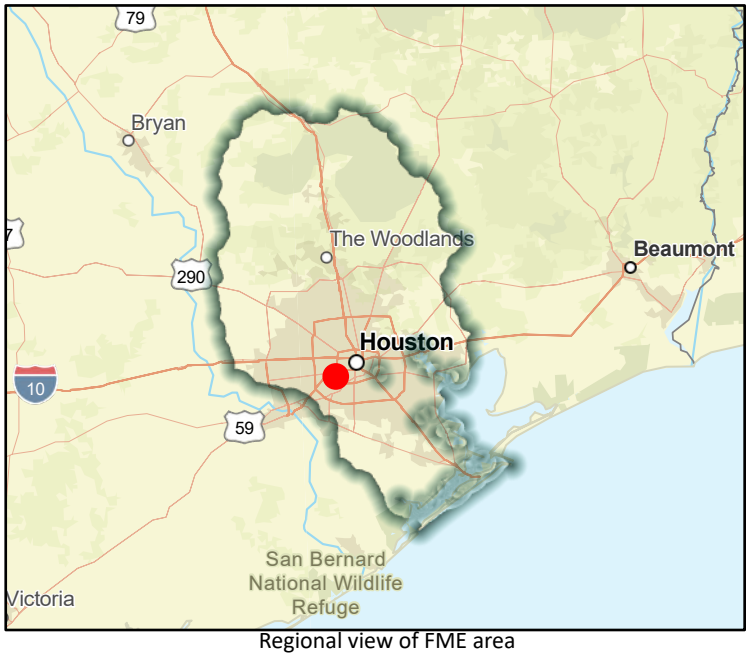
Total Cost: 1,000,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Bellaire Chimney Rock Area Drainage Improvements

ID#: 061000488

Sponsor (name of entity, not person): 06002854

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Perform preliminary engineering services to develop and advance a flood risk reduction project in the Chimney Rock area, servicing the western part of the City of Bellaire.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000083, 06000084

Drainage area (Square miles, est.): 3.60

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 25,741

# of structures: 5,877

Critical facilities: 69

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.16

Roadway(s) impacted (length): 70.92

Number of low water crossings: 0

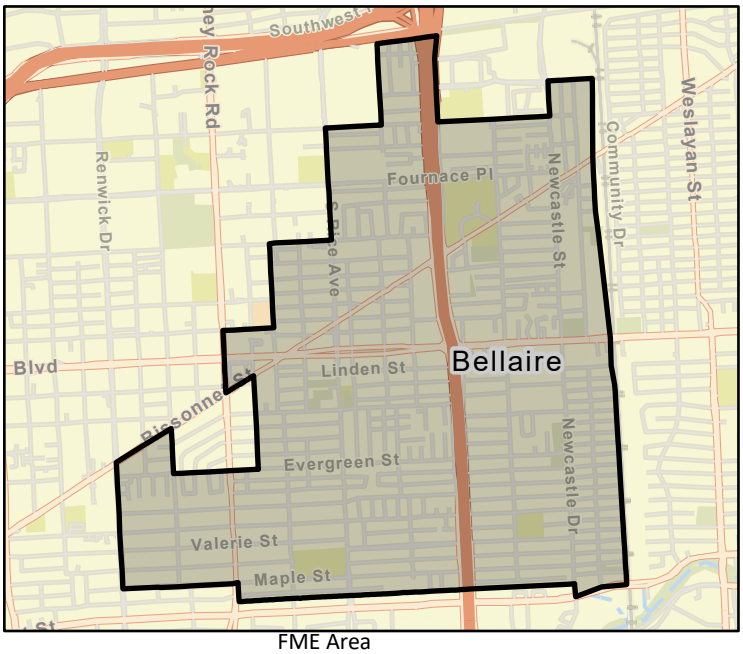
Historical road closures: 0

Estimated Cost and Funding Availability

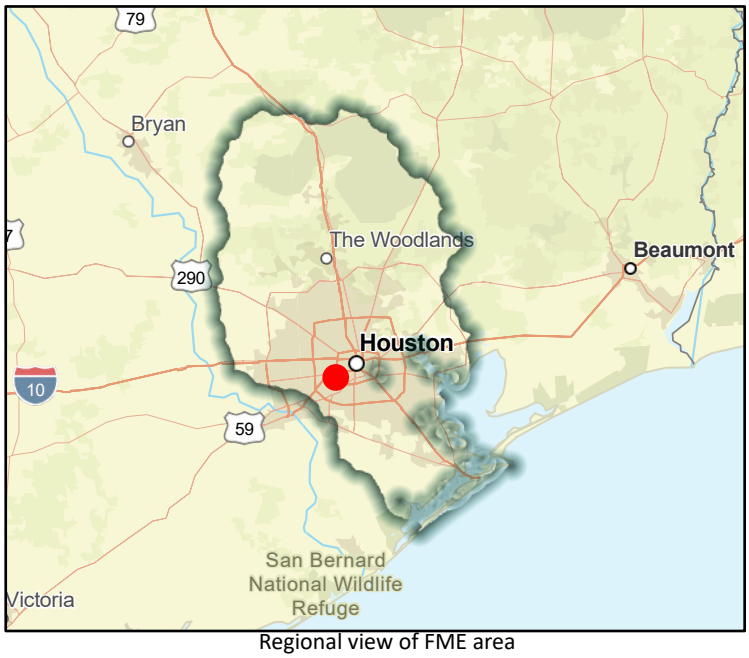
Total Cost: 1,000,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Huntsville - Elkins Lake Watershed

ID#: 061000489

Sponsor (name of entity, not person): 00002584

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Analysis of alternatives to determine mitigation of existing flood problems

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Walker

Watershed HUC# (if known): 06000004,06000002,06000005,06000006,06000062

Drainage area (Square miles, est.): 43.43

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 141

# of structures: 69

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 2.81

Roadway(s) impacted (length): 2.11

Number of low water crossings: 1

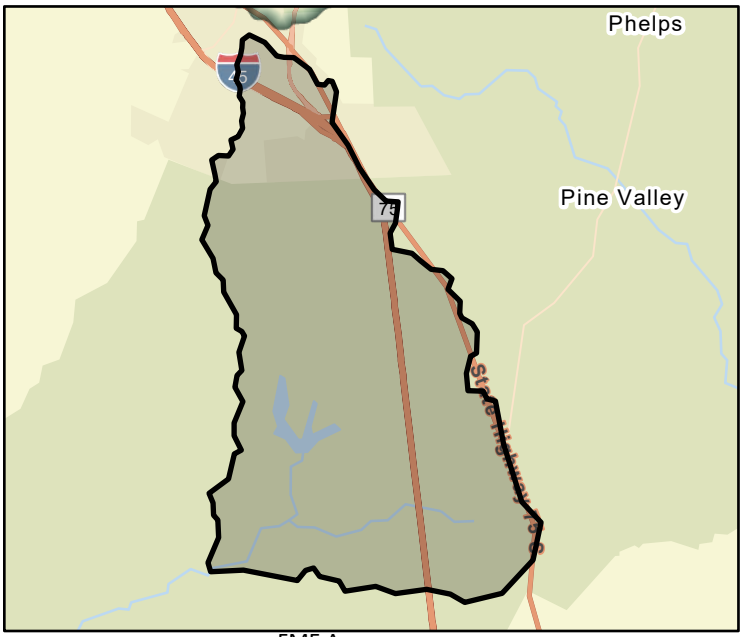
Historical road closures: 1

Estimated Cost and Funding Availability

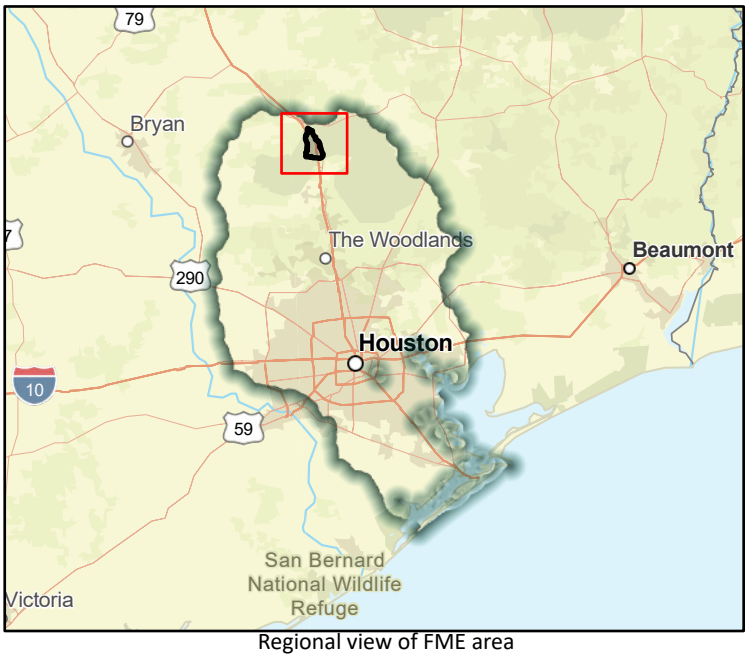
Total Cost: 300,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: City of Huntsville - Spring Lake Watershed

ID#: 061000490

Sponsor (name of entity, not person): 00002584

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Analysis of alternatives to determine mitigation of existing flood problems

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Walker

Watershed HUC# (if known): 06000004,06000002,06000005,06000006,06000062

Drainage area (Square miles, est.): 43.43

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 69

# of structures: 38

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.52

Number of low water crossings: 0

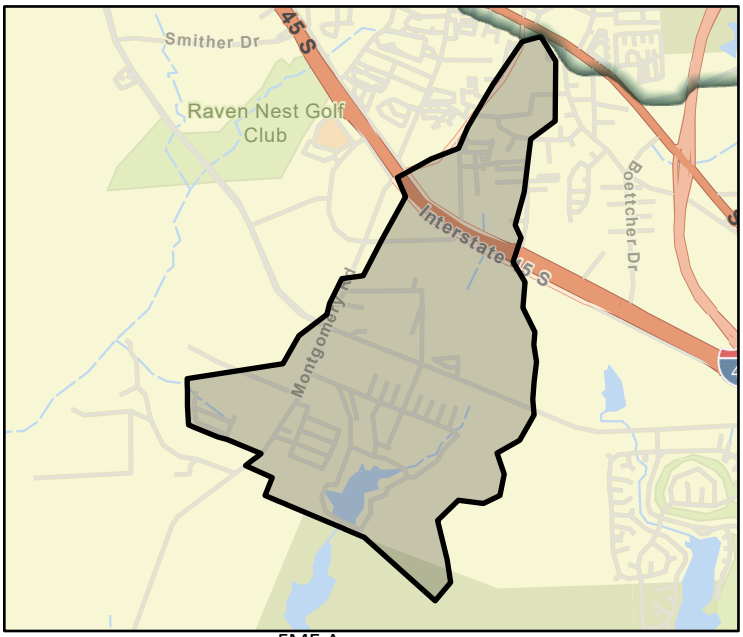
Historical road closures: 0

Estimated Cost and Funding Availability

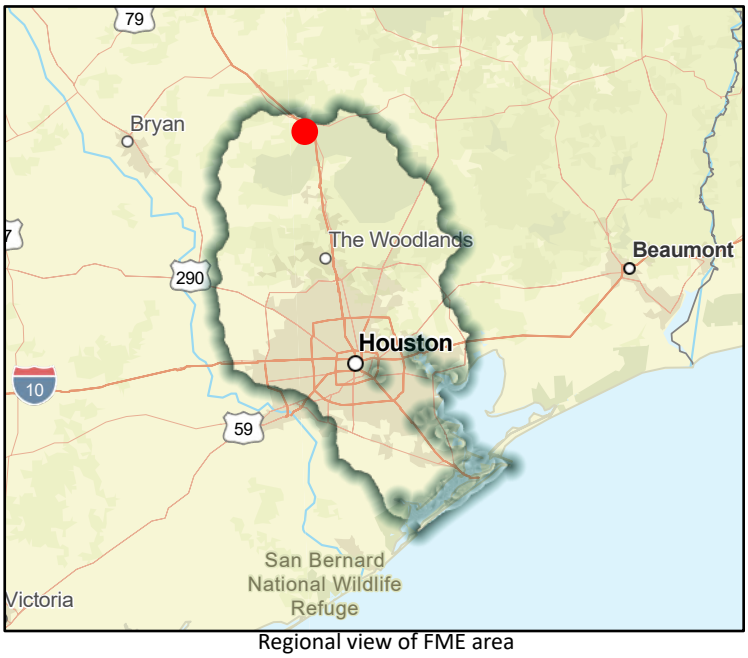
Total Cost: 300,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Montgomery County MUDs 83,84 - Alternative 4 and 6B PER

ID#: 061000491

Sponsor (name of entity, not person): 06000489, 06000702

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further define Alternative 4 and 6B recommended in the Oakhurst Drainage System & Bentwood Diversion Channel Flood Reduction Study (March 2021) including performing a benefit cost analysis.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Montgomery

Watershed HUC# (if known): 06000023, 06000024

Drainage area (Square miles, est.): 1.25

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures: 0

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.85

Number of low water crossings: 0

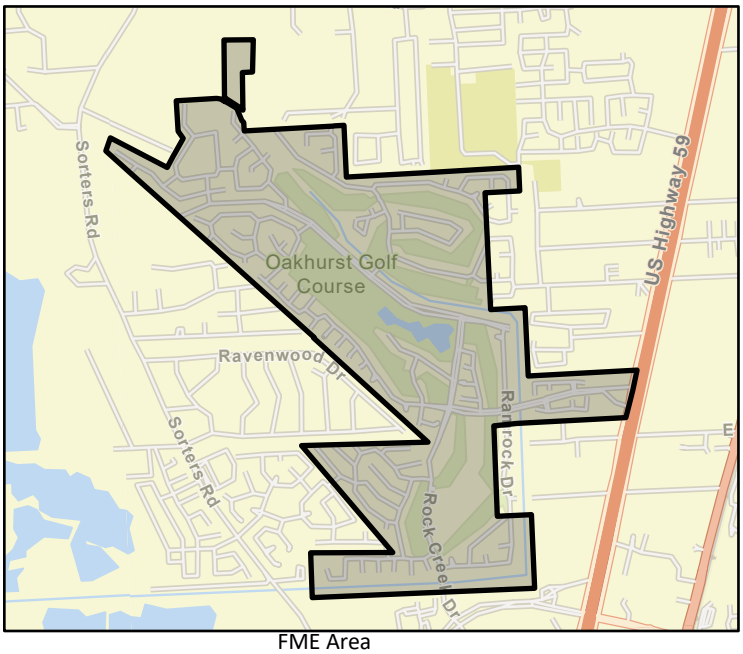
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 100,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Montgomery County MUDs 83,84 - Storm Sewer Improvements

ID#: 061000494

Sponsor (name of entity, not person): 06000489, 06000702

RFPG recommend? Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further define storm sewer improvements recommended in the Oakhurst Drainage System & Bentwood Diversion Channel Flood Reduction Study (March 2021), evaluate and identify potential inlet improvements.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County: Montgomery

Watershed HUC# (if known): 06000023, 06000024

Drainage area (Square miles, est.): 1.25

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 20

# of structures: 36

Critical facilities: 0

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Farm/Ranch land impacted (acres): 3.31

Roadway(s) impacted (length): 1.17

Number of low water crossings: 0

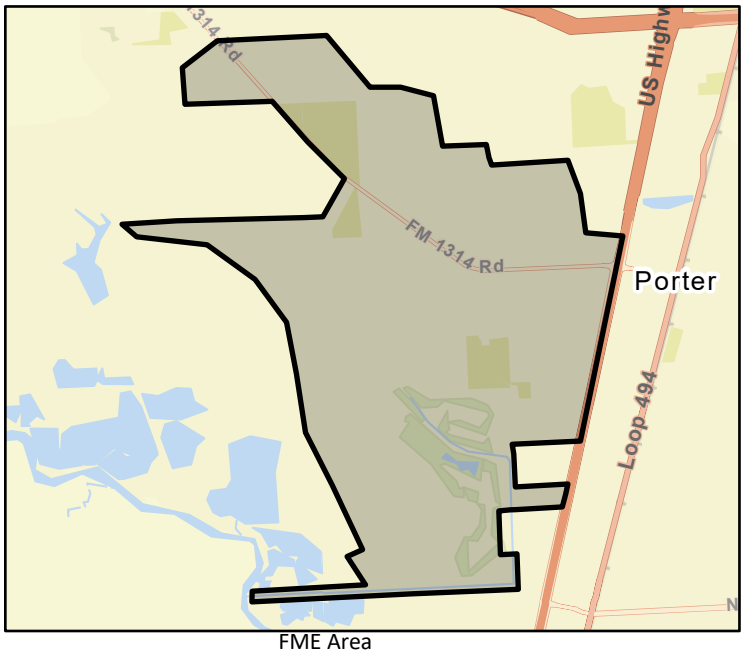
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 650,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Preliminary Engineering Design of Detention Pond & Conveyance System for Buddy Grass and Railroad Ditches

ID#: 061000495

Sponsor (name of entity, not person): 06003602

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to create detention pond & Ditch system for Buddy Grass and RR Ditches

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Liberty, Harris

Watershed HUC# (if known): 06000100

Drainage area (Square miles, est.): 0.47

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,677

# of structures: 763

Critical facilities: 22

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1,344.45

Roadway(s) impacted (length): 20.85

Number of low water crossings: 0

Historical road closures: 0

Estimated Cost and Funding Availability

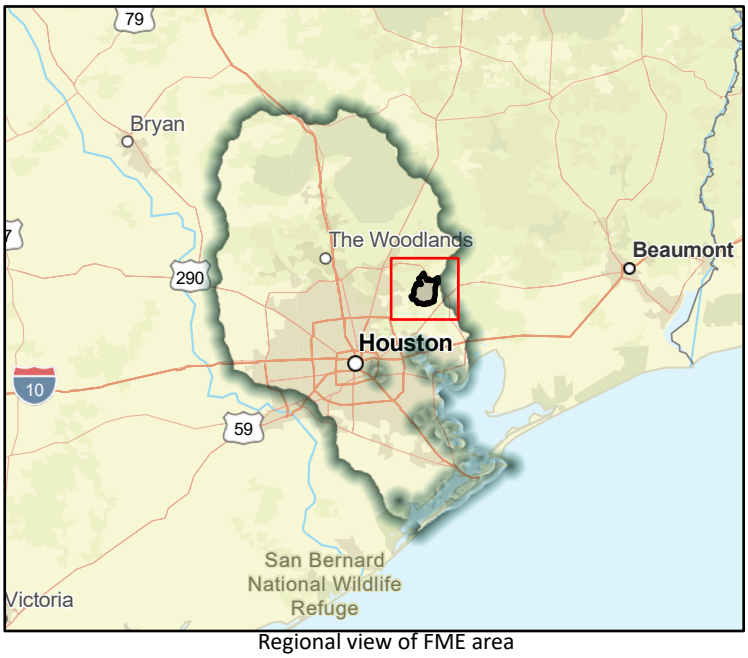
Total Cost: 5,000,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Feasibility Study - Convert Enderli Reservoir into a Detention Pond

ID#: 061000496

Sponsor (name of entity, not person): 06003602

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Request to study converting Enderli Reservoir into a detention pond

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Liberty, Harris

Watershed HUC# (if known): 06000100, 06000101

Drainage area (Square miles, est.): 1.56

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,690

# of structures: 769

Critical facilities: 22

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1,344.55

Roadway(s) impacted (length): 20.84

Number of low water crossings: 0

Historical road closures: 0

Estimated Cost and Funding Availability

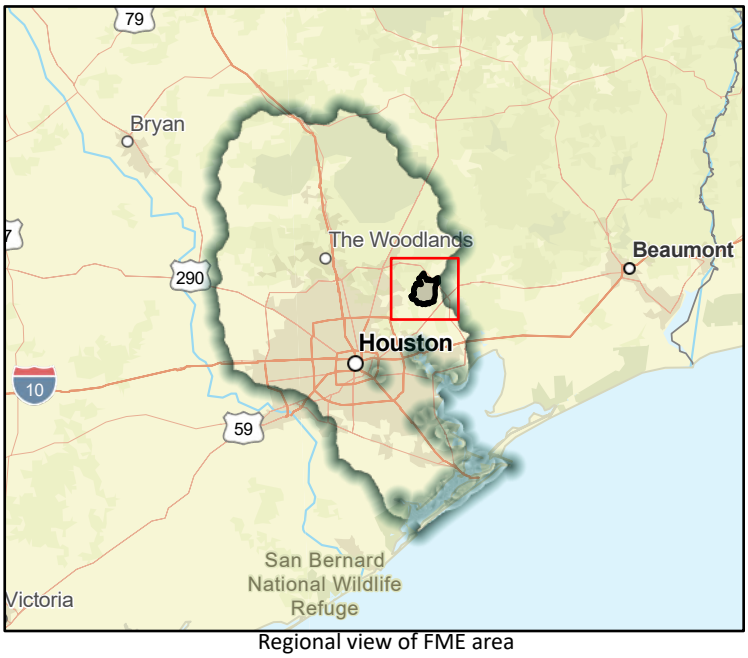
Total Cost: 4,000,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Preliminary Engineering Design of Detention Pond at intersection of HWY90 & Railroad near Cedar Bayou

ID#: 061000497

Sponsor (name of entity, not person): 06003602

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to create detention pond & Ditch system for Buddy Grass and RR Ditches

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Liberty, Harris

Watershed HUC# (if known): 06000101

Drainage area (Square miles, est.): 1.47

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 675

# of structures: 553

Critical facilities: 1

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 782.98

Roadway(s) impacted (length): 15.71

Number of low water crossings: 0

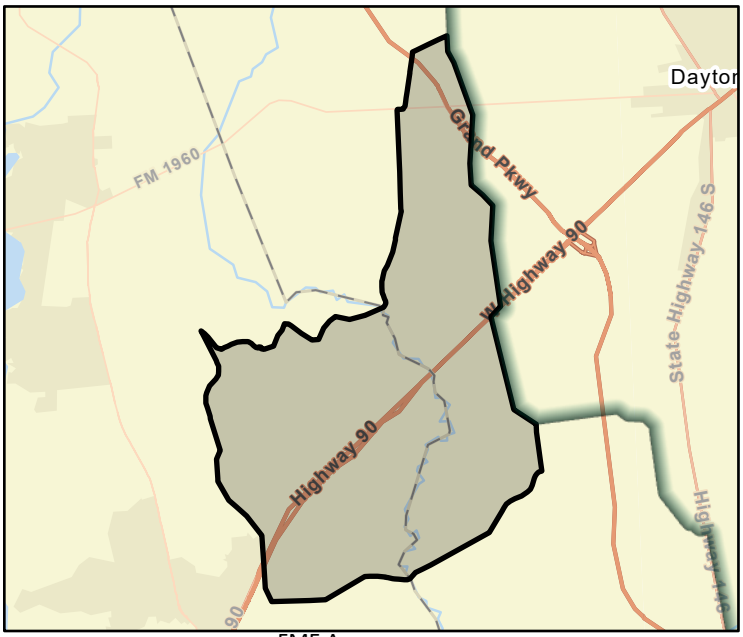
Historical road closures: 0

Estimated Cost and Funding Availability

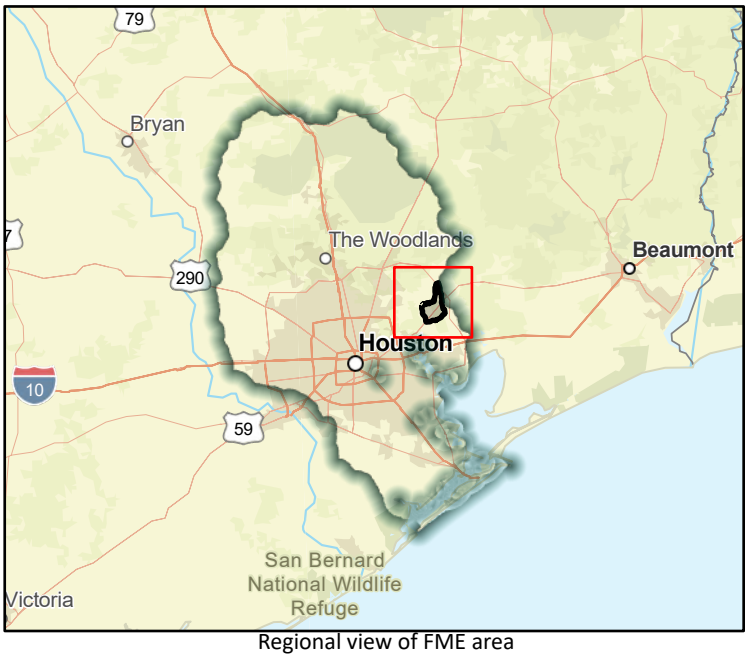
Total Cost: 3,000,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Preliminary Engineering Design of Detention Pond at Gier Road & Cedar Bayou

ID#: 061000498

Sponsor (name of entity, not person): 06003602

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to create detention pond at Gier Road Ditch & Cedar Bayou Intersection

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Liberty

Watershed HUC# (if known): 06000100

Drainage area (Square miles, est.): 0.11

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,677

# of structures: 763

Critical facilities: 22

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1,343.65

Roadway(s) impacted (length): 20.79

Number of low water crossings: 0

Historical road closures: 0

Estimated Cost and Funding Availability

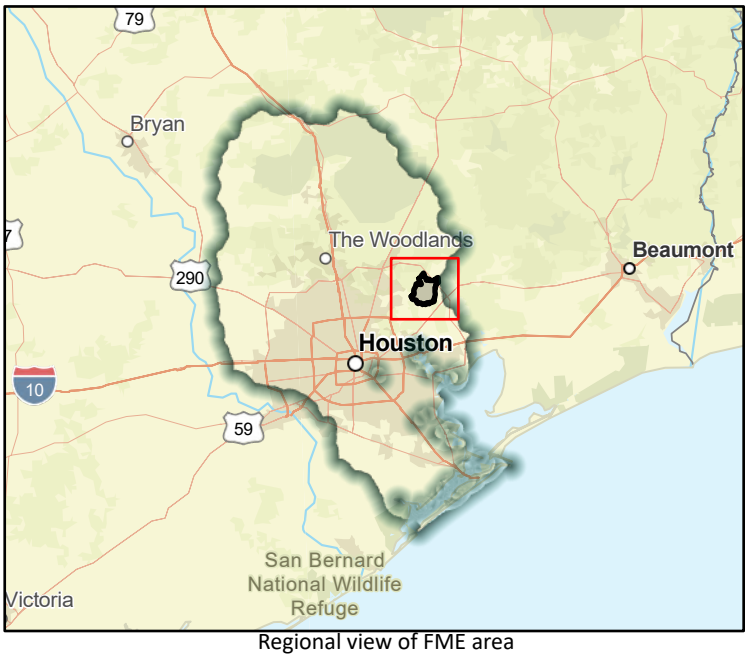
Total Cost: 3,500,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Preliminary Engineering Design of Detention Pond at Hatcherville & Cedar Bayou Farm Ditches

ID#: 061000499

Sponsor (name of entity, not person): 06003602

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to create detention pond for Hatcherville & Cedar Bayou Farms Ditches

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Liberty

Watershed HUC# (if known): 06000102

Drainage area (Square miles, est.): 0.42

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 438

# of structures: 356

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 702.02

Roadway(s) impacted (length): 7.00

Number of low water crossings: 0

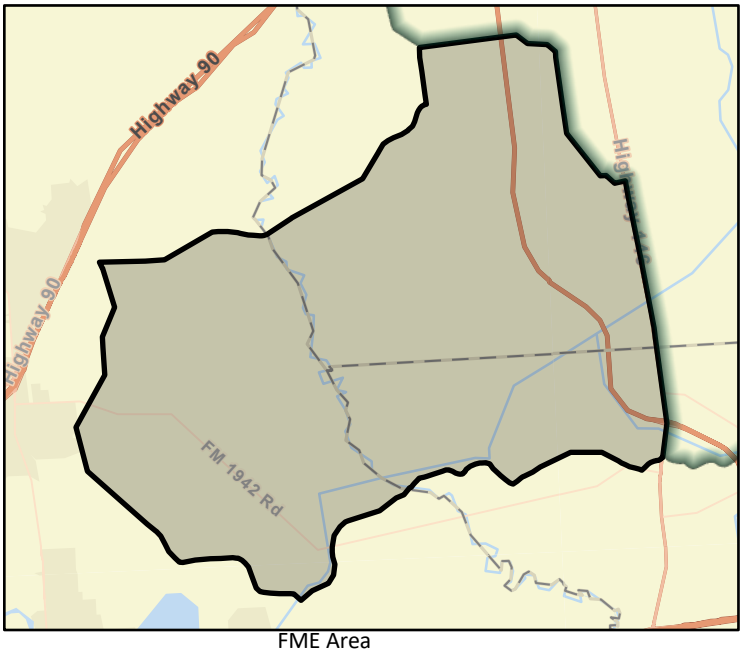
Historical road closures: 0

Estimated Cost and Funding Availability

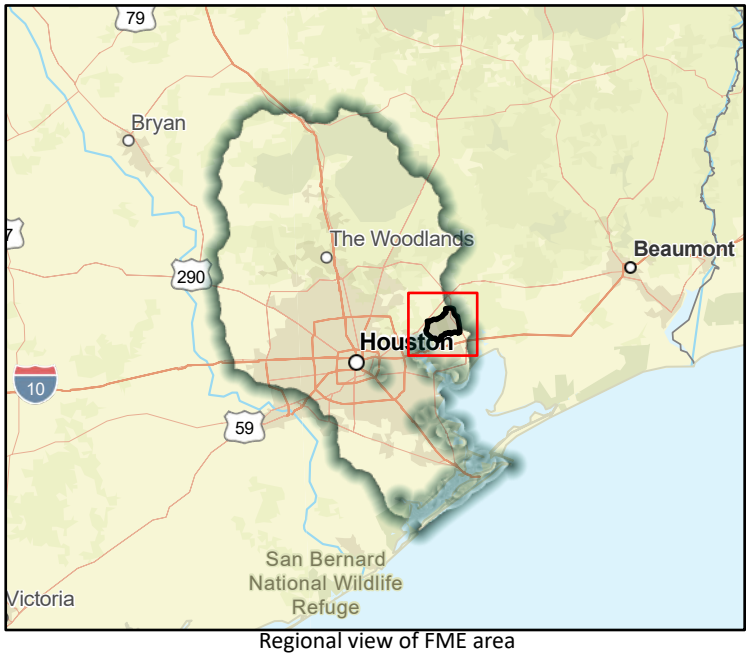
Total Cost: 3,500,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Green Acres Neighborhood Drainage Improvement Study

ID#: 061000500

Sponsor (name of entity, not person): 06003306

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Evaluate existing flood risk in the Green Acres Neighborhood and identify solutions to mitigate flooding.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000106

Drainage area (Square miles, est.): 0.37

Goal(s): 06000001,06000010

100-Year Flood Risk Summary

Population at risk: 1,694

# of structures: 127

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.23

Roadway(s) impacted (length): 2.35

Number of low water crossings:

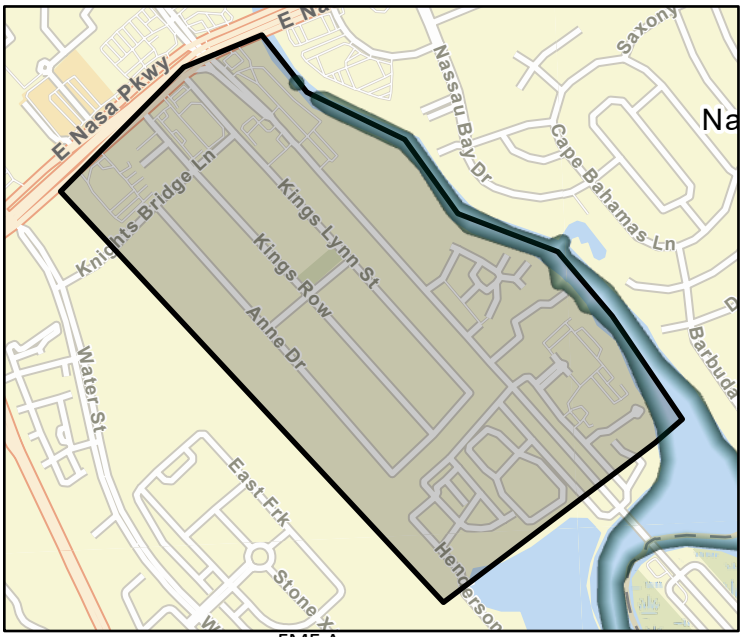
Historical road closures:

Estimated Cost and Funding Availability

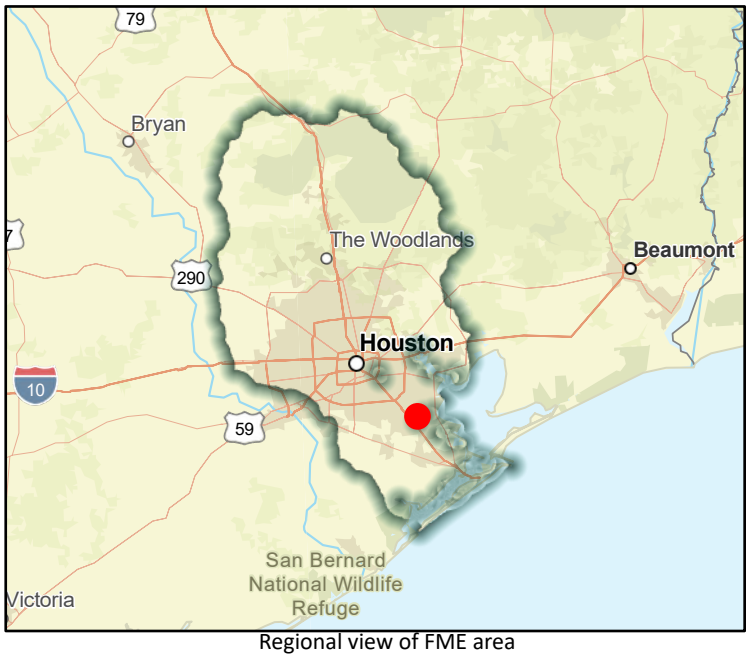
Total Cost: 100,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Addicks Reservoir - Neighborhood Future Floodplain Analysis

ID#: 061000501

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Addicks Reservoir watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Waller

Watershed HUC# (if known): 06000028, 06000029, 06000072, 06000076, 06000074, 06000075,

Drainage area (Square miles, est.): 138.47

Goal(s): 06000010, 06000015

100-Year Flood Risk Summary

Population at risk: 8,182

# of structures: 3,746

Critical facilities: 52

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1,607.18

Roadway(s) impacted (length): 114.10

Number of low water crossings: 0

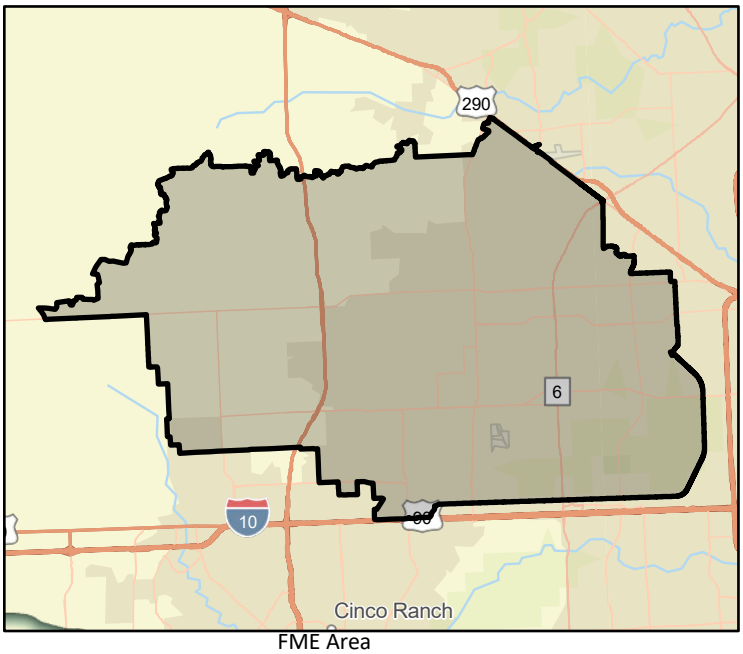
Historical road closures: 0

Estimated Cost and Funding Availability

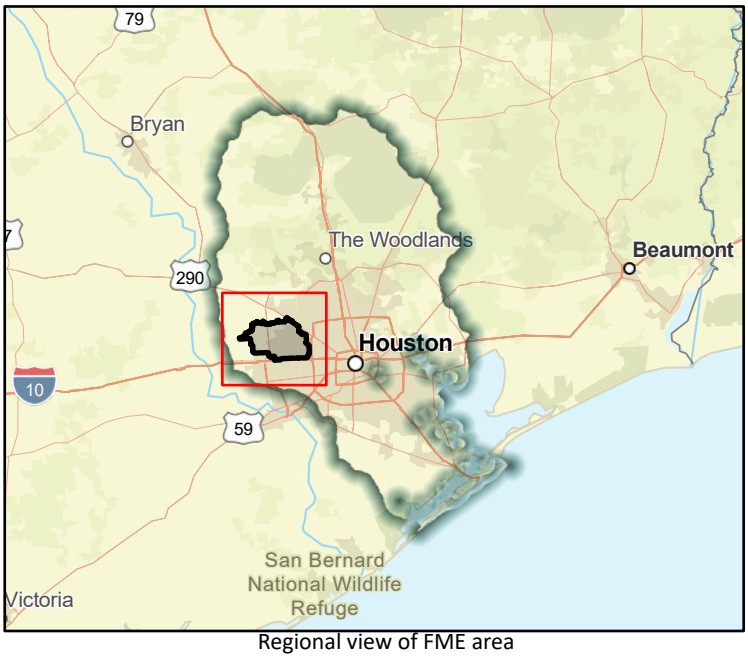
Total Cost: 31,022,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Armand Bayou - Neighborhood Future Floodplain Analysis

ID#: 061000502

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Armand Bayou watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000095, 06000098, 06000106

Drainage area (Square miles, est.): 59.12

Goal(s): 06000010, 06000015

100-Year Flood Risk Summary

Population at risk: 12,810

# of structures: 2,946

Critical facilities: 52

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 44.35

Roadway(s) impacted (length): 61.72

Number of low water crossings: 4

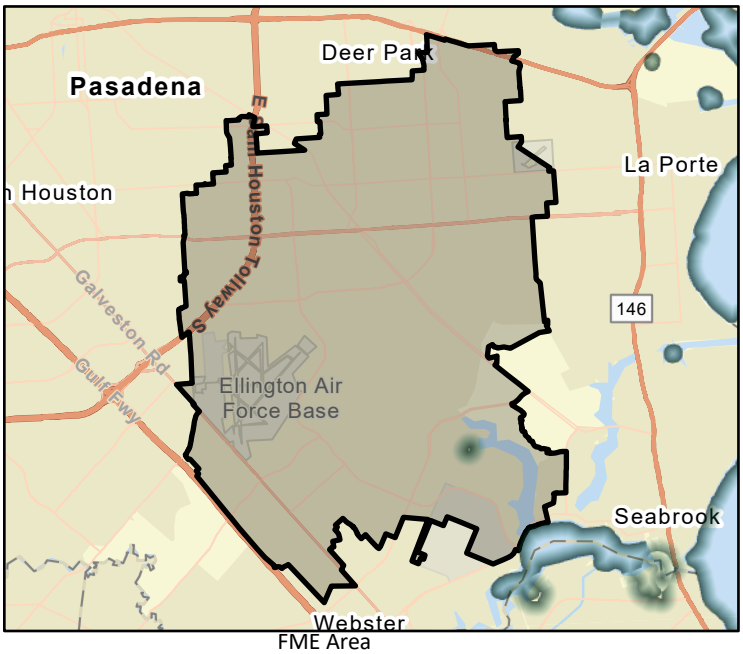
Historical road closures: 4

Estimated Cost and Funding Availability

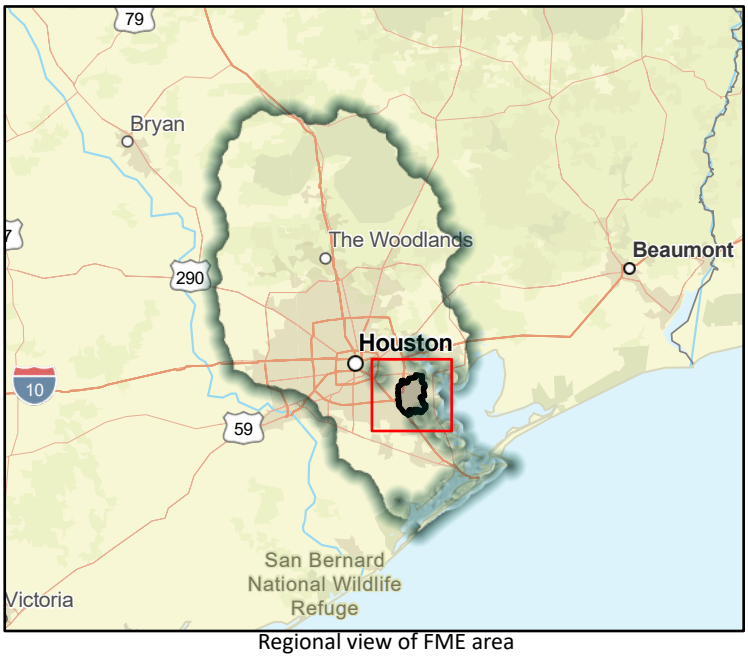
Total Cost: 44,078,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Barker Reservoir - Neighborhood Future Floodplain Analysis

ID#: 061000503

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Barkers Reservoir watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Waller, Fort Bend

Watershed HUC# (if known): 06000028, 06000071, 06000072, 06000073, 06000074, 06000077,

Drainage area (Square miles, est.): 129.28

Goal(s): 06000010, 06000015

100-Year Flood Risk Summary

Population at risk: 2,598

# of structures: 1,051

Critical facilities: 11

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 752.60

Roadway(s) impacted (length): 34.06

Number of low water crossings: 5

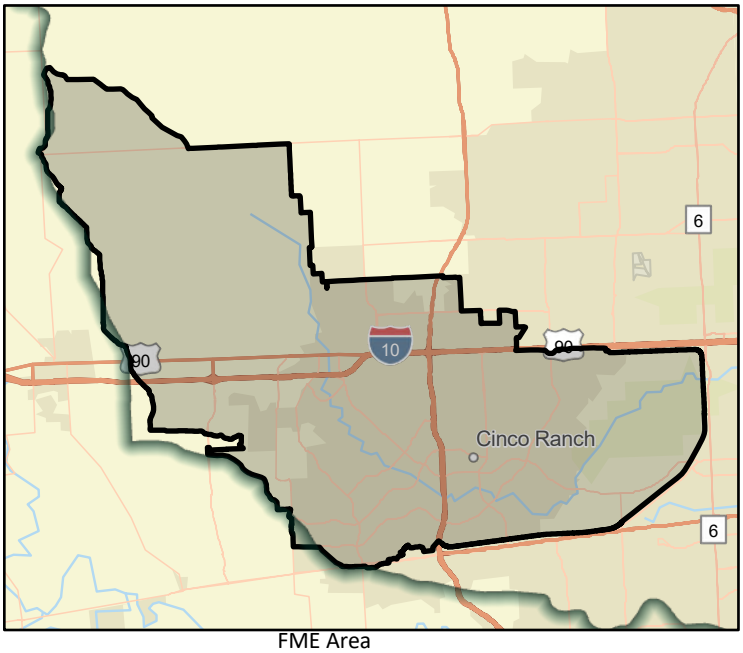
Historical road closures: 5

Estimated Cost and Funding Availability

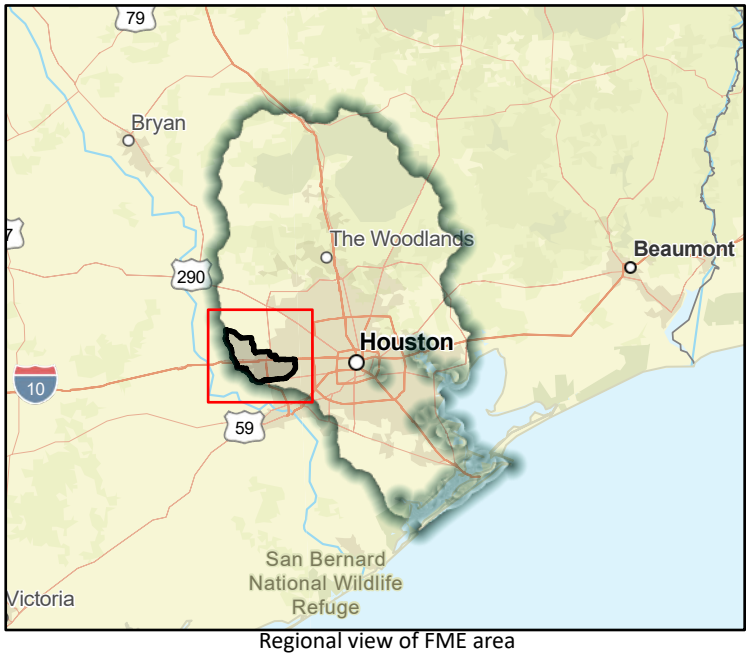
Total Cost: 25,956,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Brays Bayou - Neighborhood Future Floodplain Analysis

ID#: 061000504

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Brays Bayou watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Fort Bend

Watershed HUC# (if known): 06000080, 06000082, 06000083, 06000084, 06000085, 06000086,

Drainage area (Square miles, est.): 128.68

Goal(s): 06000010, 06000015

100-Year Flood Risk Summary

Population at risk: 216,118

# of structures: 40,914

Critical facilities: 545

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 45.19

Roadway(s) impacted (length): 537.16

Number of low water crossings: 2

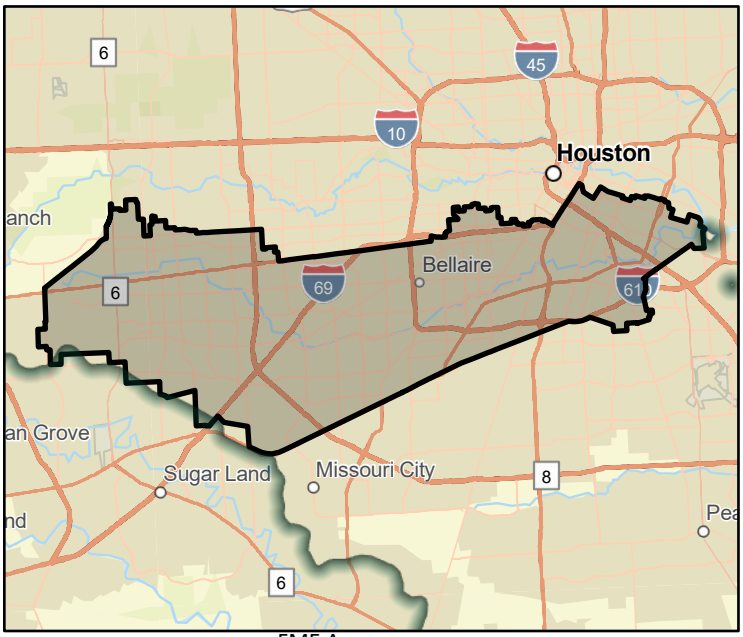
Historical road closures: 2

Estimated Cost and Funding Availability

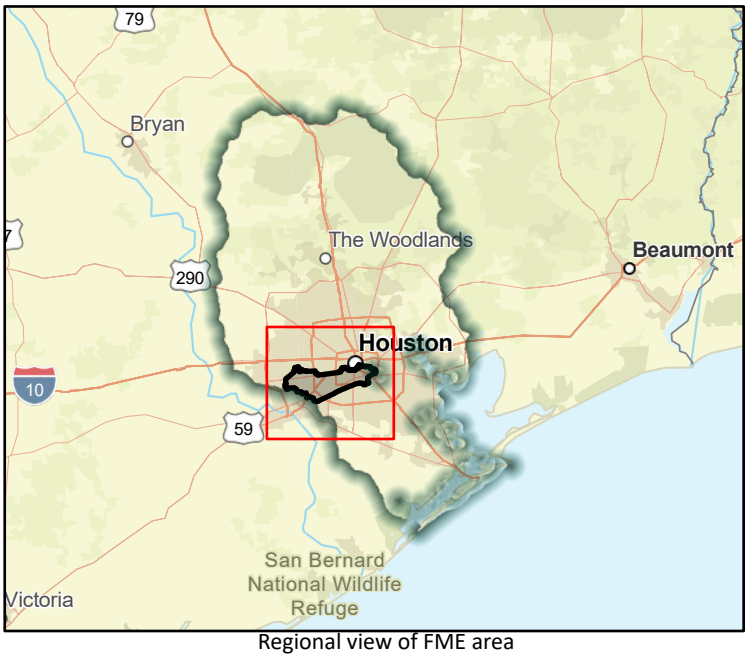
Total Cost: 66,091,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Buffalo Bayou - Neighborhood Future Floodplain Analysis

ID#: 061000505

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Buffalo Bayou watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Fort Bend

Watershed HUC# (if known): 06000074, 06000077, 06000078, 06000079, 06000080, 06000081,

Drainage area (Square miles, est.): 101.87

Goal(s): 06000010, 06000015

100-Year Flood Risk Summary

Population at risk: 36,738

# of structures: 1,998

Critical facilities: 34

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 17.90

Roadway(s) impacted (length): 38.72

Number of low water crossings: 0

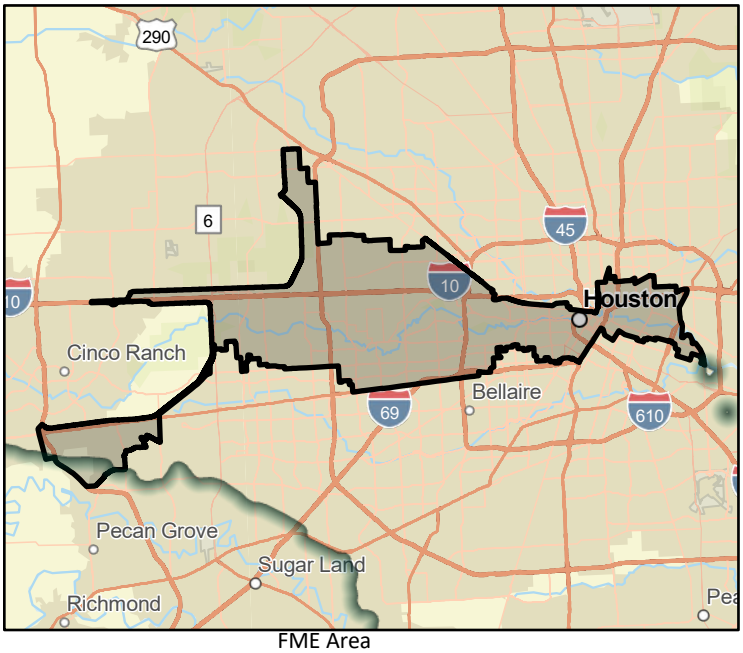
Historical road closures: 0

Estimated Cost and Funding Availability

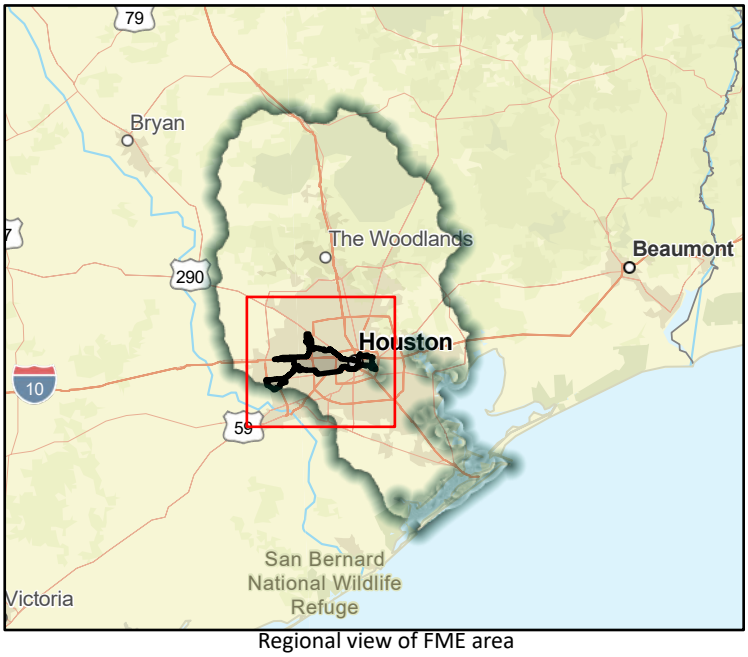
Total Cost: 5,644,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Carpenters Bayou - Neighborhood Future Floodplain Analysis

ID#: 061000506

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Carpenters Bayou watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000025, 06000091, 06000092, 06000094, 06000095, 06000096,

Drainage area (Square miles, est.): 31.15

Goal(s): 06000010, 06000015

100-Year Flood Risk Summary

Population at risk: 2,731

# of structures: 812

Critical facilities: 24

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 96.27

Roadway(s) impacted (length): 18.83

Number of low water crossings: 2

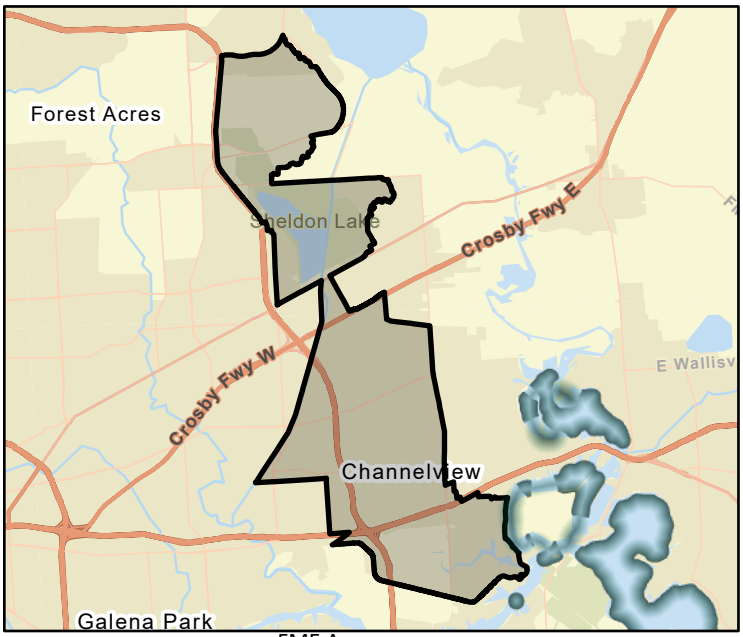
Historical road closures: 2

Estimated Cost and Funding Availability

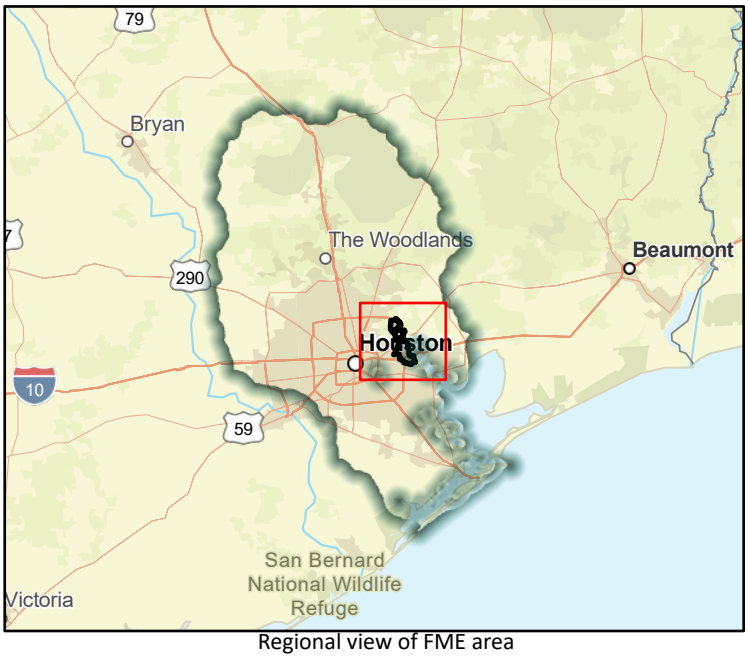
Total Cost: 32,227,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Cedar Bayou - Neighborhood Future Floodplain Analysis

ID#: 061000507

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Cedar Bayou watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Liberty, Chambers

Watershed HUC# (if known): 06000024, 06000025, 06000060, 06000096, 06000097, 06000098,

Drainage area (Square miles, est.): 199.18

Goal(s): 06000010, 06000015

100-Year Flood Risk Summary

Population at risk: 4,369

# of structures: 2,348

Critical facilities: 36

Flood risk type: Riverine?: Yes

Coastal?: Yes

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 3,104.43

Roadway(s) impacted (length): 64.25

Number of low water crossings: 0

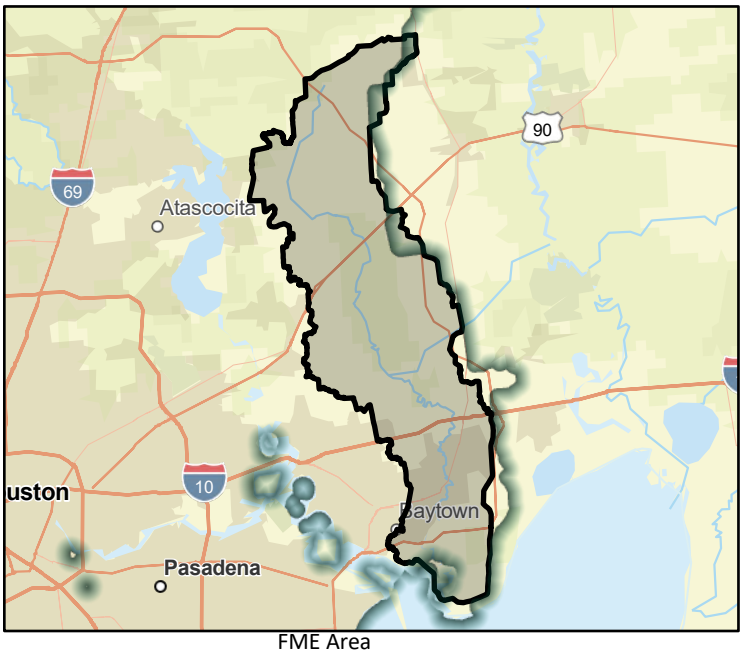
Historical road closures: 0

Estimated Cost and Funding Availability

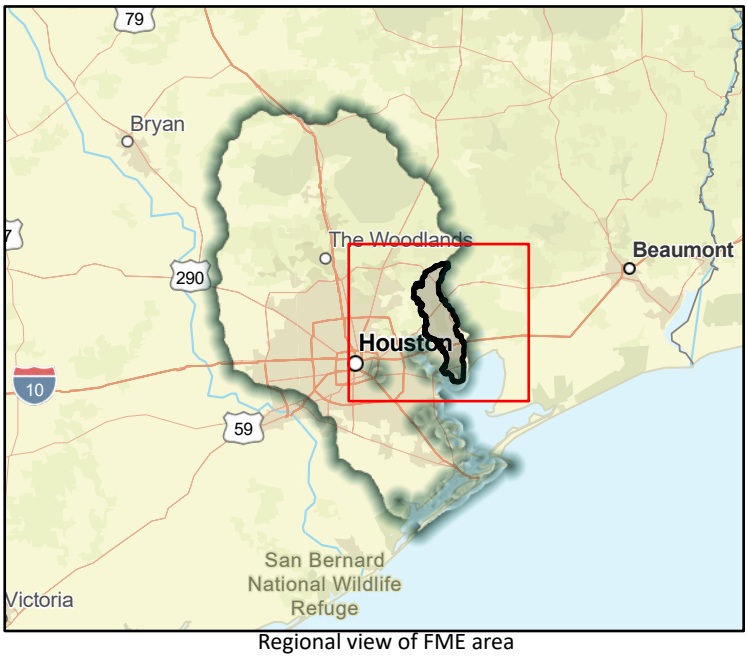
Total Cost: 5,340,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Clear Creek - Neighborhood Future Floodplain Analysis

ID#: 061000508

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Clear Creek watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Fort Bend, Brazoria, Galveston

Watershed HUC# (if known): 06000085, 06000086, 06000095, 06000106, 06000107, 06000109

Drainage area (Square miles, est.): 201.03

Goal(s): 06000010, 06000015

100-Year Flood Risk Summary

Population at risk: 75,345

# of structures: 27,153

Critical facilities: 231

Flood risk type: Riverine?: Yes

Coastal?: Yes

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 532.73

Roadway(s) impacted (length): 458.14

Number of low water crossings: 12

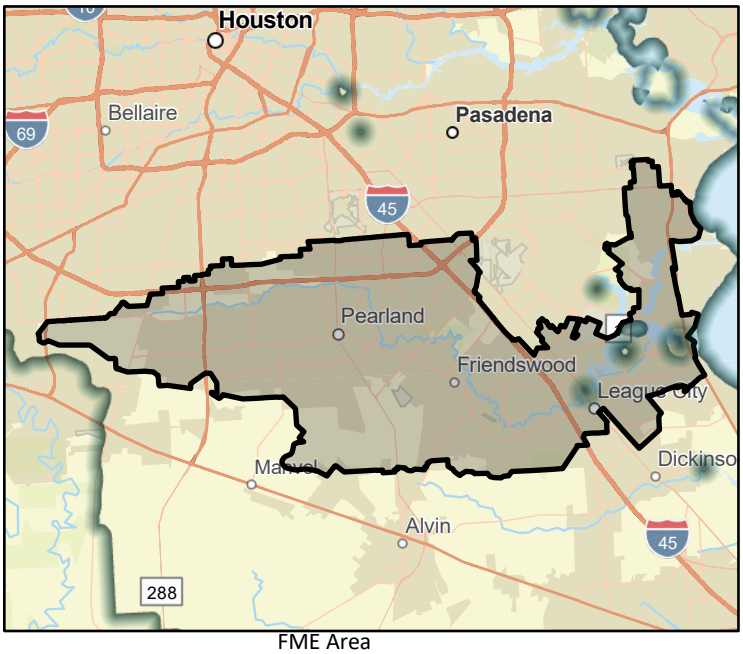
Historical road closures: 12

Estimated Cost and Funding Availability

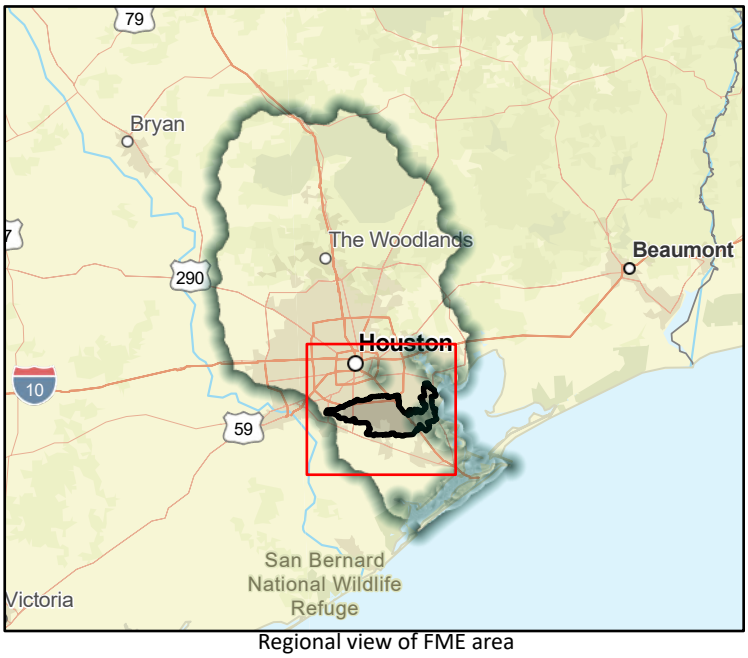
Total Cost: 75,233,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Greens Bayou - Neighborhood Future Floodplain Analysis

ID#: 061000509

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Greens Bayou watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000024, 06000025, 06000031, 06000032, 06000078, 06000079,

Drainage area (Square miles, est.): 210.92

Goal(s): 06000010, 06000015

100-Year Flood Risk Summary

Population at risk: 97,307

# of structures: 25,037

Critical facilities: 291

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 163.53

Roadway(s) impacted (length): 333.18

Number of low water crossings: 17

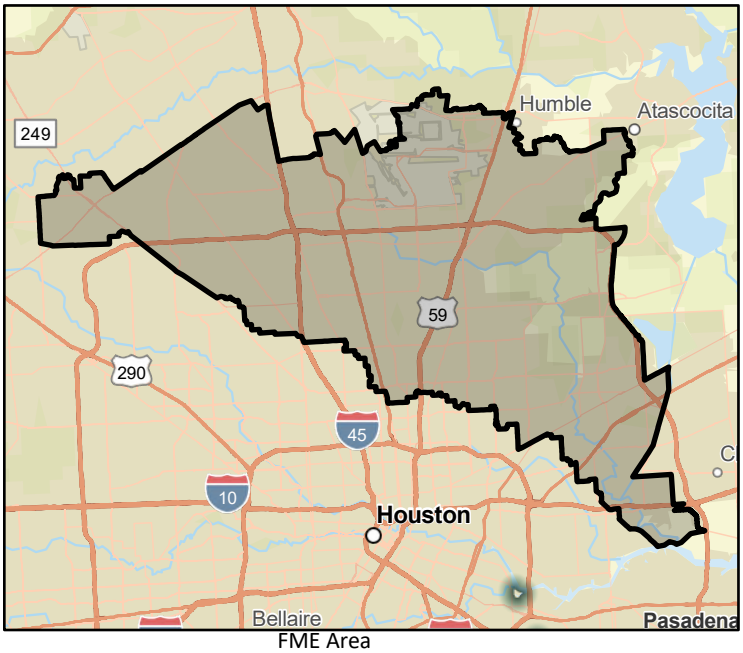
Historical road closures: 17

Estimated Cost and Funding Availability

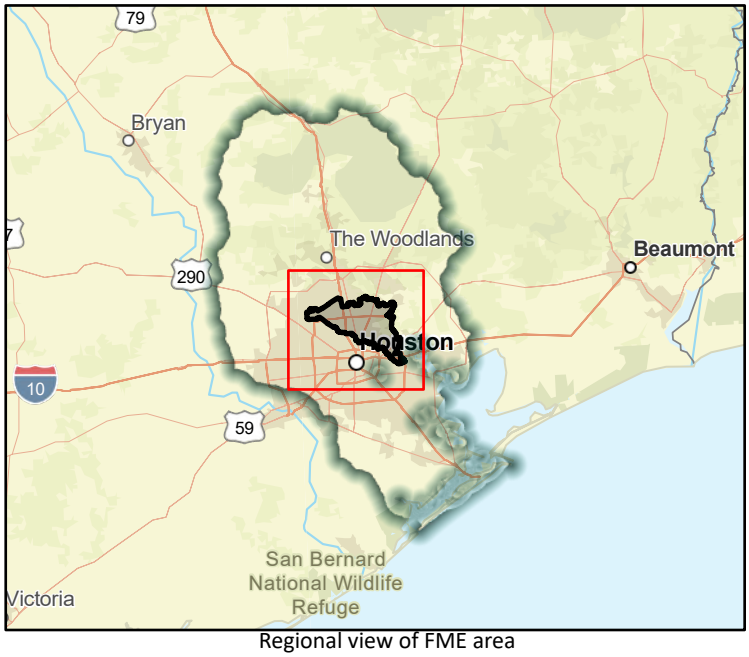
Total Cost: 92,079,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Little Cypress Creek - Neighborhood Future Floodplain Analysis

ID#: 061000510

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Little Cypress Creek watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000026, 06000028, 06000029, 06000030, 06000031, 06000033,

Drainage area (Square miles, est.): 52.31

Goal(s): 06000010, 06000015

100-Year Flood Risk Summary

Population at risk: 2,734

# of structures: 1,213

Critical facilities: 14

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 192.02

Roadway(s) impacted (length): 18.59

Number of low water crossings: 4

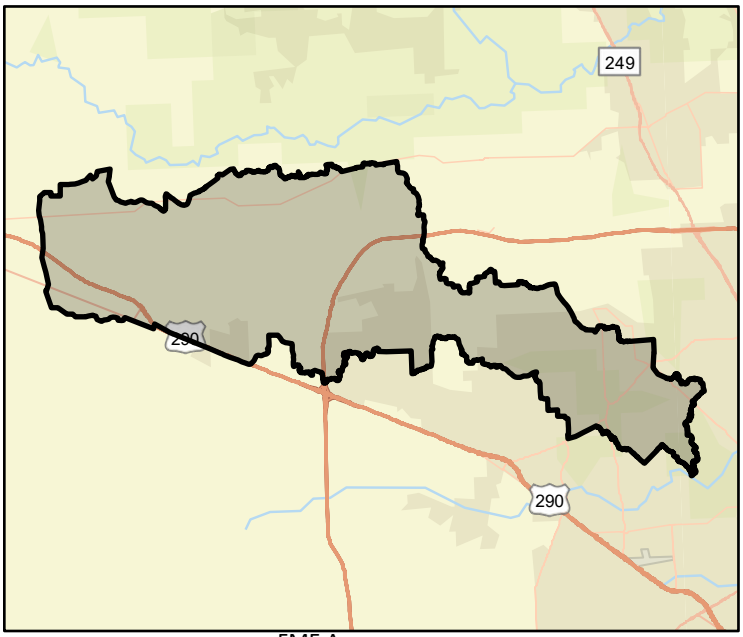
Historical road closures: 4

Estimated Cost and Funding Availability

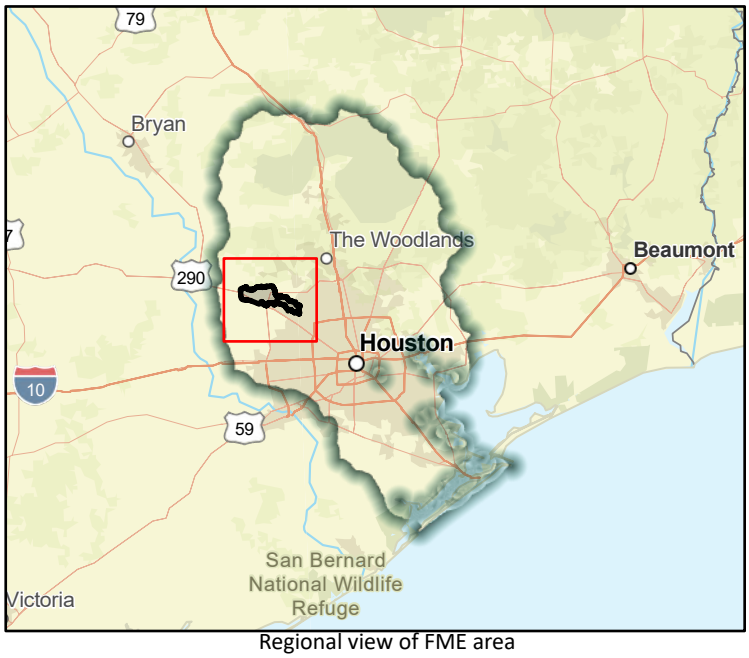
Total Cost: 13,778,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Luce Bayou - Neighborhood Future Floodplain Analysis

ID#: 061000511

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Luce Bayou watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Montgomery, Liberty

Watershed HUC# (if known): 06000024, 06000058, 06000059, 06000060, 06000070, 06000099,

Drainage area (Square miles, est.): 74.95

Goal(s): 06000010, 06000015

100-Year Flood Risk Summary

Population at risk: 717

# of structures: 772

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 190.57

Roadway(s) impacted (length): 40.68

Number of low water crossings: 0

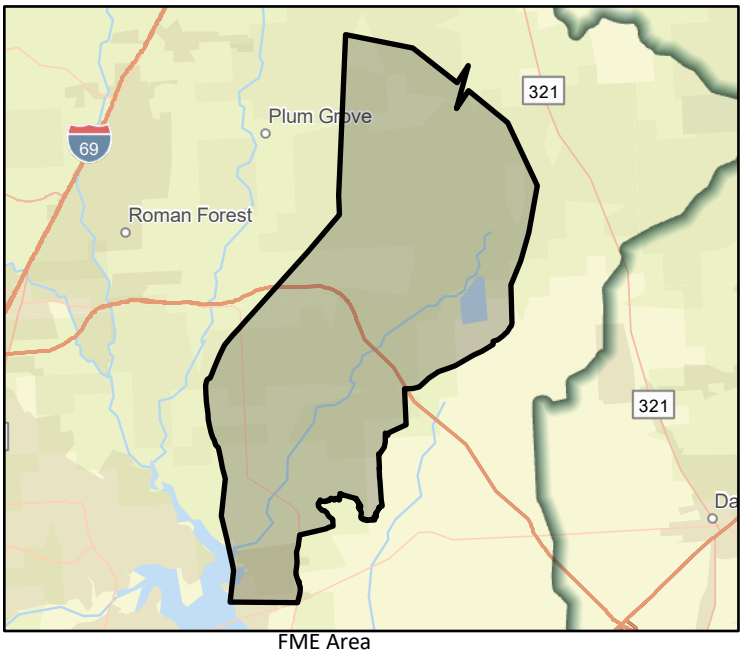
Historical road closures: 0

Estimated Cost and Funding Availability

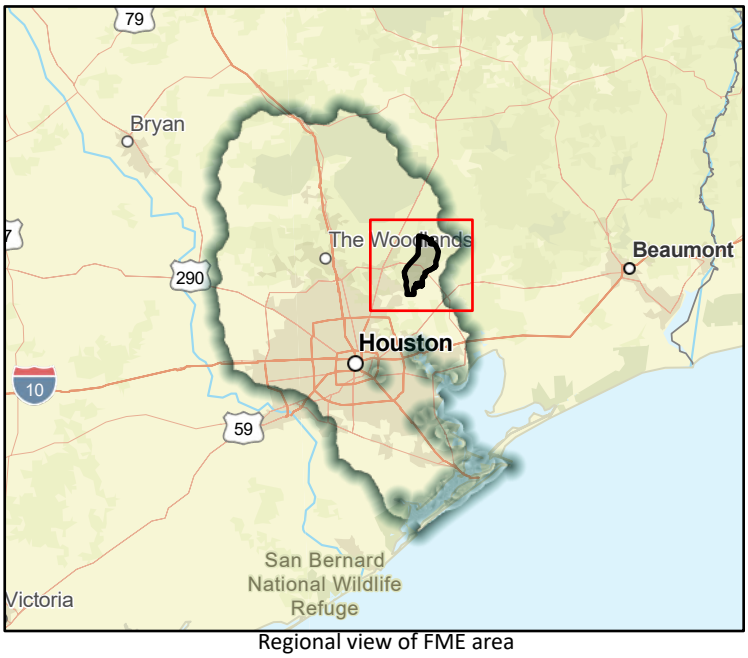
Total Cost: 2,612,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: San Jacinto & Galveston Bay - Neighborhood Future Floodplain

ID#: 061000512

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for San Jacinto & Galveston Bay watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000098, 06000106

Drainage area (Square miles, est.): 19.36

Goal(s): 06000010, 06000015

100-Year Flood Risk Summary

Population at risk: 8,623

# of structures: 3,301

Critical facilities: 107

Flood risk type: Riverine?: Yes

Coastal?: Yes

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 17.82

Roadway(s) impacted (length): 55.06

Number of low water crossings: 0

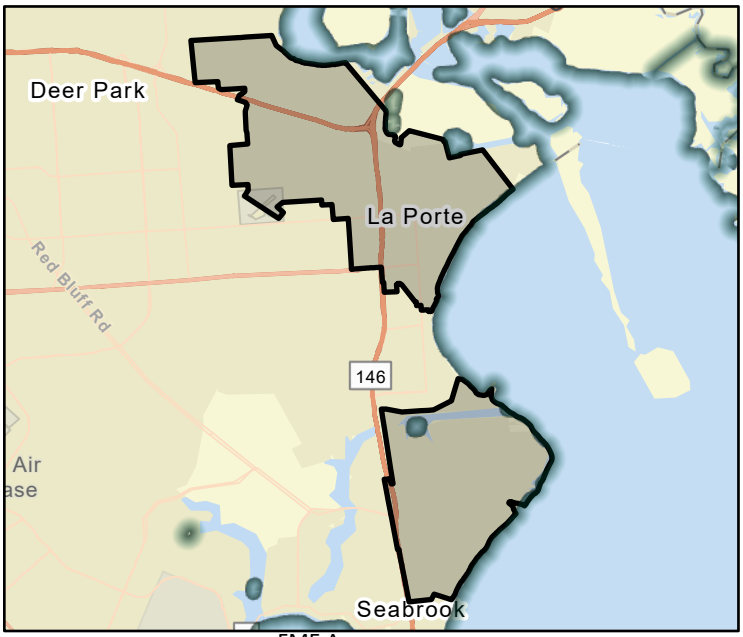
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 15,316,000.00

Amount of Available Funding:

Funding source:



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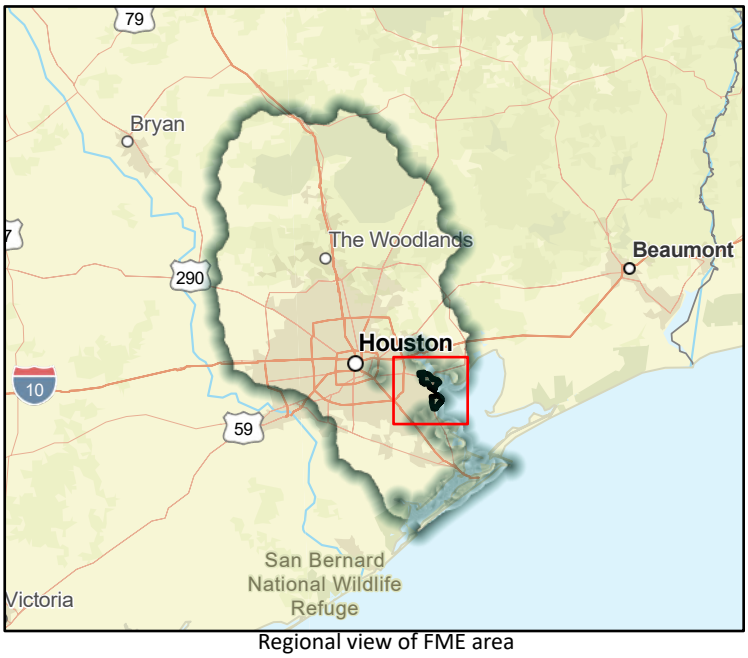


Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: San Jacinto River - Neighborhood Future Floodplain Analysis

ID#: 061000513

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for San Jacinto River watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Montgomery

Watershed HUC# (if known): 999999

Drainage area (Square miles, est.): 473.35

Goal(s): 06000010, 06000015

100-Year Flood Risk Summary

Population at risk: 41,110

# of structures: 19,487

Critical facilities: 361

Flood risk type: Riverine?: Yes

Coastal?: Yes

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 801.18

Roadway(s) impacted (length): 446.10

Number of low water crossings: 15

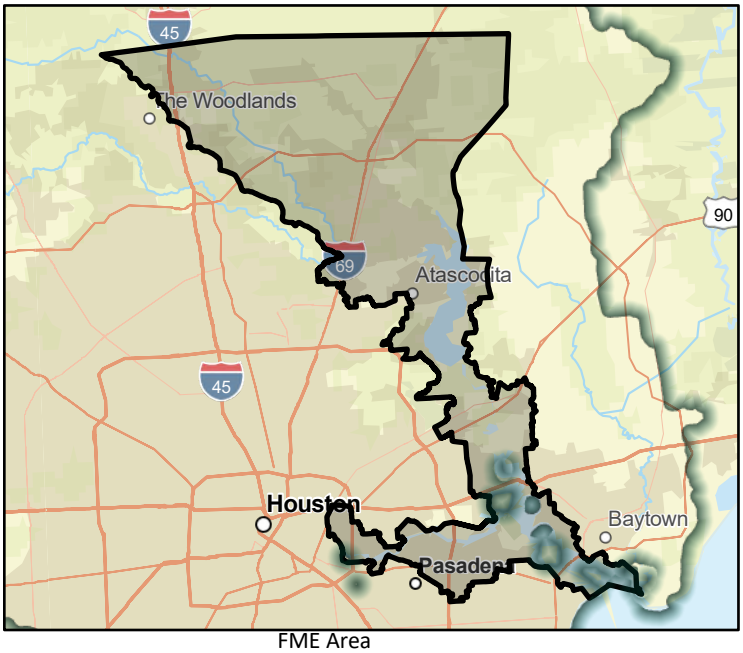
Historical road closures: 15

Estimated Cost and Funding Availability

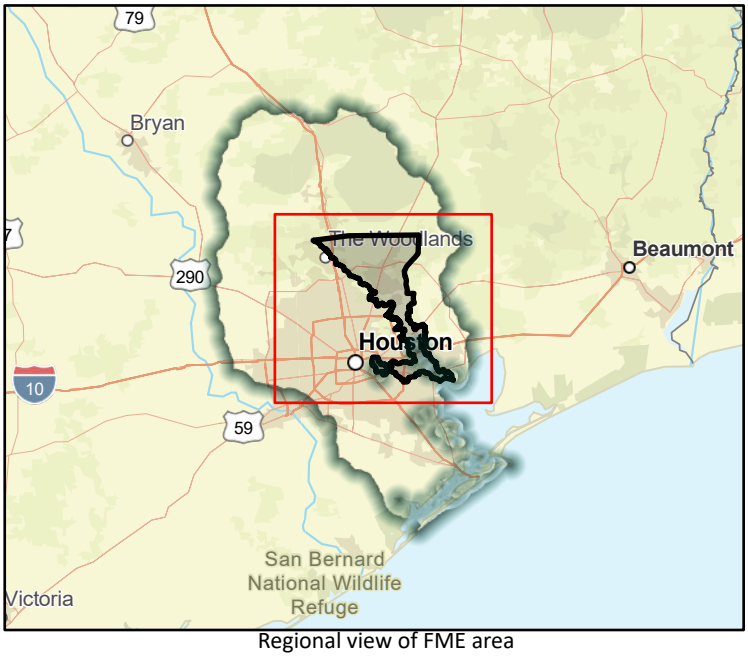
Total Cost: 52,736,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Sims Bayou - Neighborhood Future Floodplain Analysis

ID#: 061000514

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Sims Bayou watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Fort Bend

Watershed HUC# (if known): 06000083, 06000084, 06000085, 06000086, 06000095, 06000106,

Drainage area (Square miles, est.): 93.54

Goal(s): 06000010, 06000015

100-Year Flood Risk Summary

Population at risk: 22,203

# of structures: 5,854

Critical facilities: 73

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 50.52

Roadway(s) impacted (length): 102.98

Number of low water crossings: 10

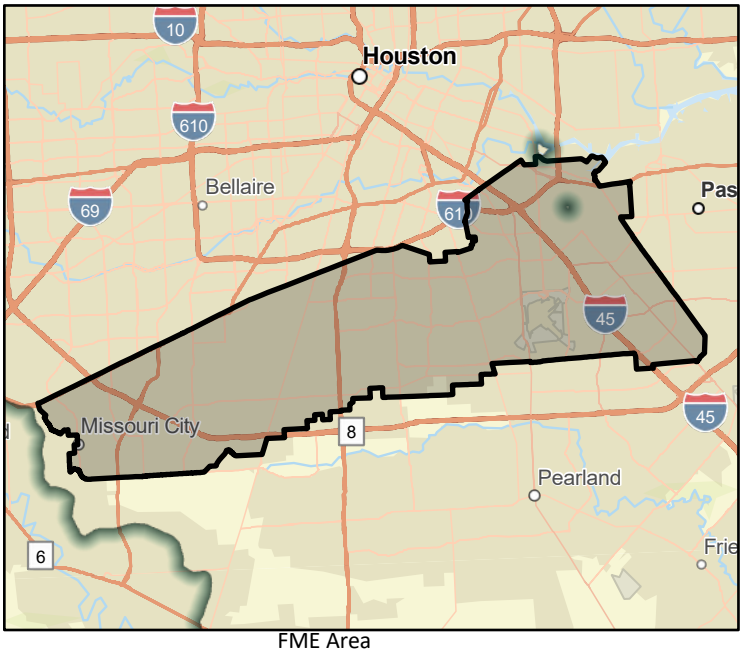
Historical road closures: 10

Estimated Cost and Funding Availability

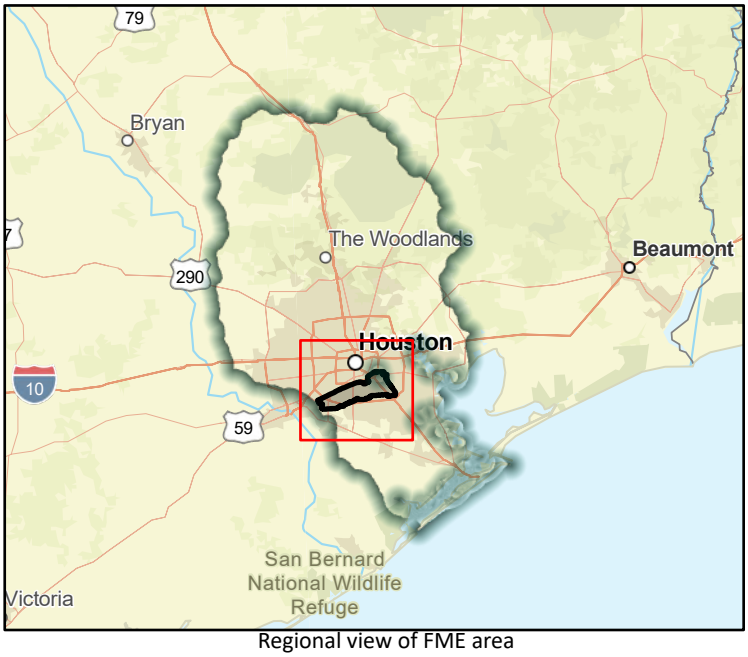
Total Cost: 1,599,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Spring Creek - Neighborhood Future Floodplain Analysis

ID#: 061000515

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Spring Creek watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Waller, Montgomery, Grimes

Watershed HUC# (if known): 06000016, 06000017, 06000018, 06000019, 06000020, 06000021,

Drainage area (Square miles, est.): 385.96

Goal(s): 06000010, 06000015

100-Year Flood Risk Summary

Population at risk: 17,055

# of structures: 4,185

Critical facilities: 44

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 231.65

Roadway(s) impacted (length): 106.13

Number of low water crossings: 27

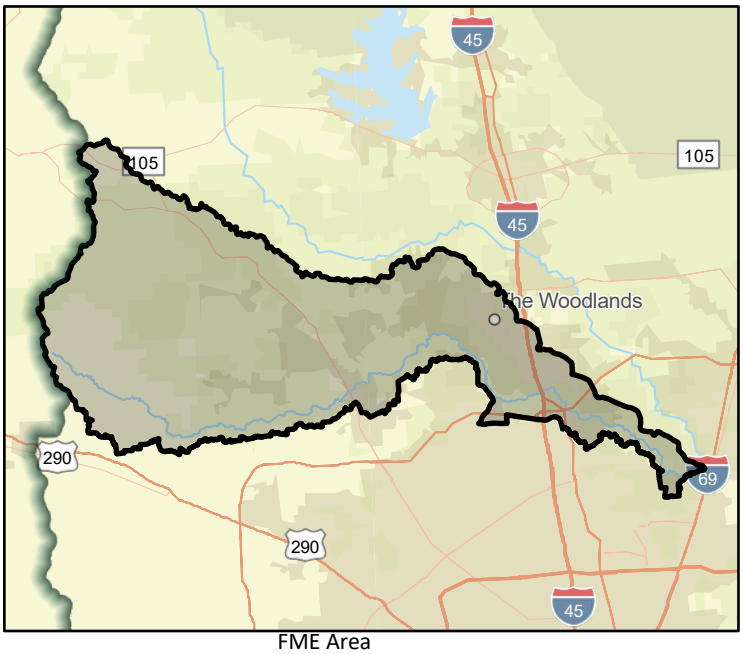
Historical road closures: 27

Estimated Cost and Funding Availability

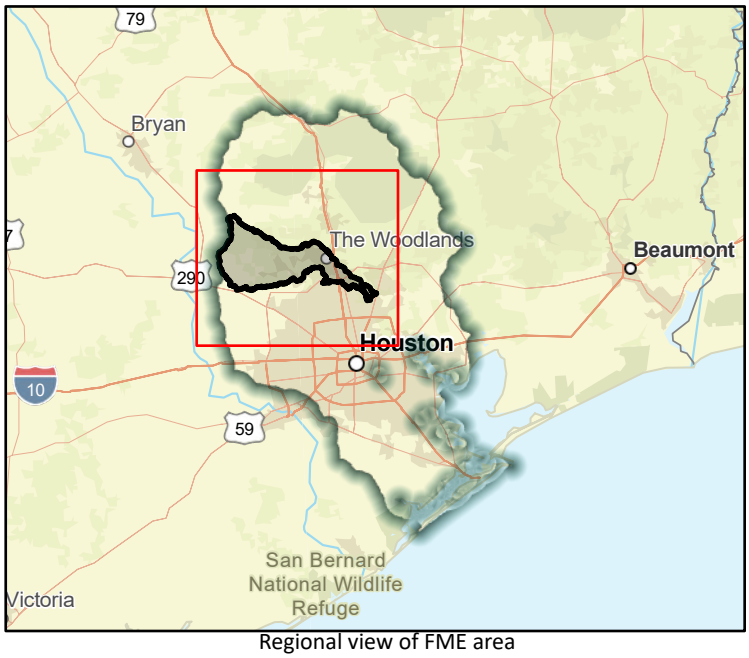
Total Cost: 7,219,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Willow Creek - Neighborhood Future Floodplain Analysis

ID#: 061000516

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Willow Creek watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000030, 06000031, 06000037, 06000041, 06000042, 06000044

Drainage area (Square miles, est.): 55.65

Goal(s): 06000010, 06000015

100-Year Flood Risk Summary

Population at risk: 2,575

# of structures: 1,317

Critical facilities: 7

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 68.14

Roadway(s) impacted (length): 36.03

Number of low water crossings: 8

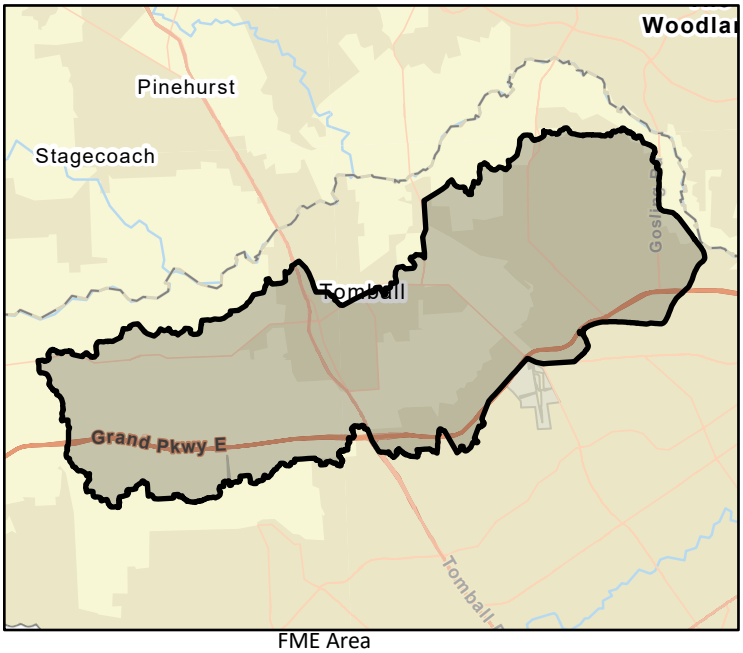
Historical road closures: 8

Estimated Cost and Funding Availability

Total Cost: 17,179,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Greens Bayou Local Drainage Study

ID#: 061000517

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Greens Bayou watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000024, 06000025, 06000031, 06000032, 06000078, 06000079,

Drainage area (Square miles, est.): 210.92

Goal(s): 06000015

100-Year Flood Risk Summary

Population at risk: 97,307

# of structures: 25,037

Critical facilities: 291

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 163.53

Roadway(s) impacted (length): 333.18

Number of low water crossings: 17

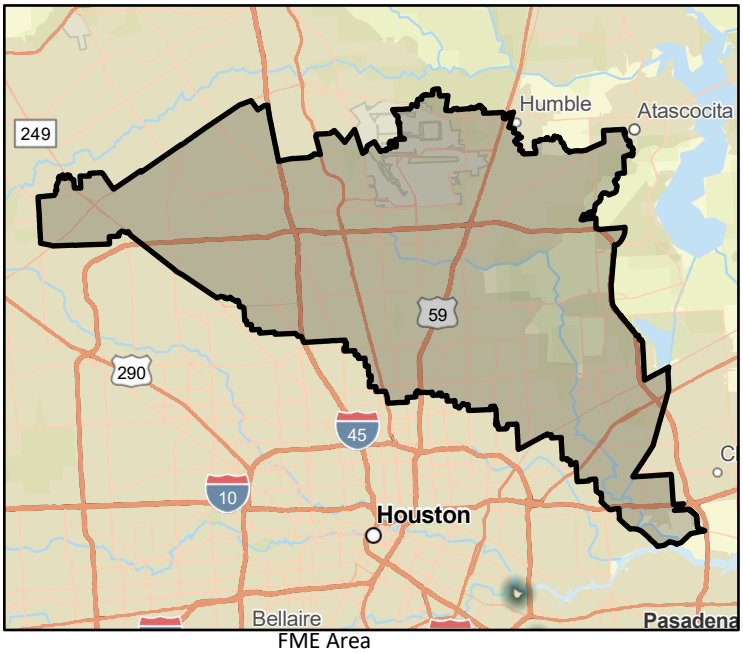
Historical road closures: 17

Estimated Cost and Funding Availability

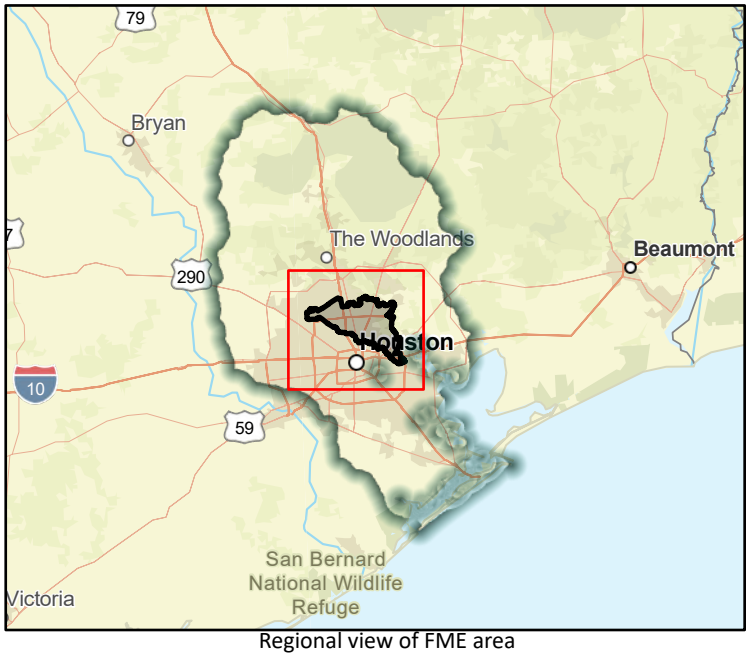
Total Cost: 21,649,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Carpenters Bayou Local Drainage Study

ID#: 061000518

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Carpenters Bayou watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000025, 06000091, 06000092, 06000094, 06000095, 06000096,

Drainage area (Square miles, est.): 31.14

Goal(s): 06000015

100-Year Flood Risk Summary

Population at risk: 2,731

# of structures: 812

Critical facilities: 24

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 96.27

Roadway(s) impacted (length): 18.83

Number of low water crossings: 2

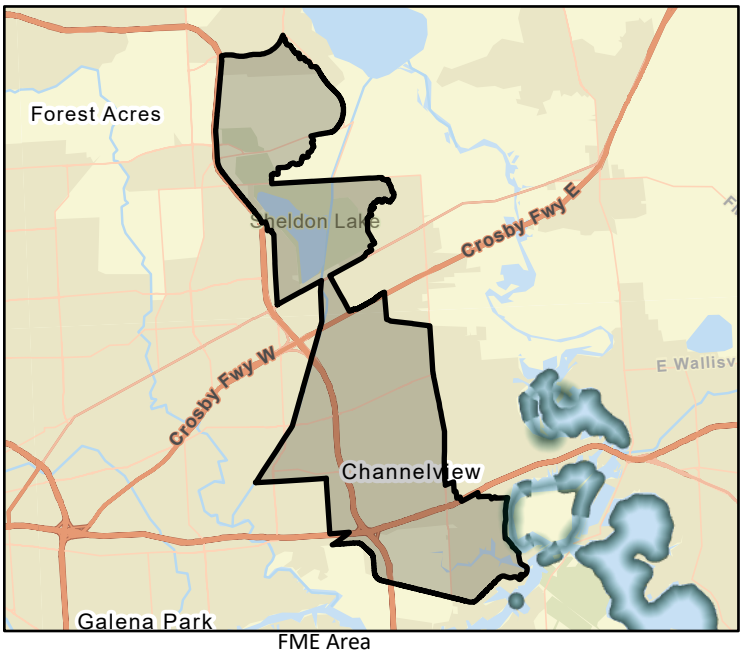
Historical road closures: 2

Estimated Cost and Funding Availability

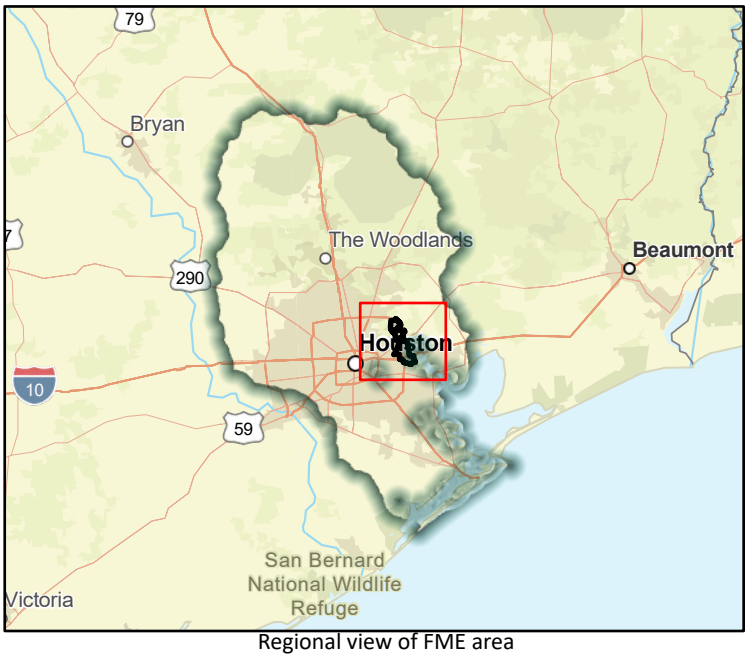
Total Cost: 1,088,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: San Jacinto River Watershed Local Drainage Study

ID#: 061000519

Sponsor (name of entity, not person): 00000020

RFPG recommend? Yes | Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in San Jacinto River watershed.

New Hydrologic or Hydraulic model? No | Emergency Need? No | Existing/Anticipated models in near term? Yes

County: Harris, Montgomery | Watershed HUC# (if known): 999999

Drainage area (Square miles, est.): 473.37 | Goal(s): 06000015

100-Year Flood Risk Summary

Population at risk: 41,110 | # of structures: 19,487 | Critical facilities: 361

Flood risk type: Riverine? Yes | Coastal? Yes | Local? Yes | Playa? No | Other? No

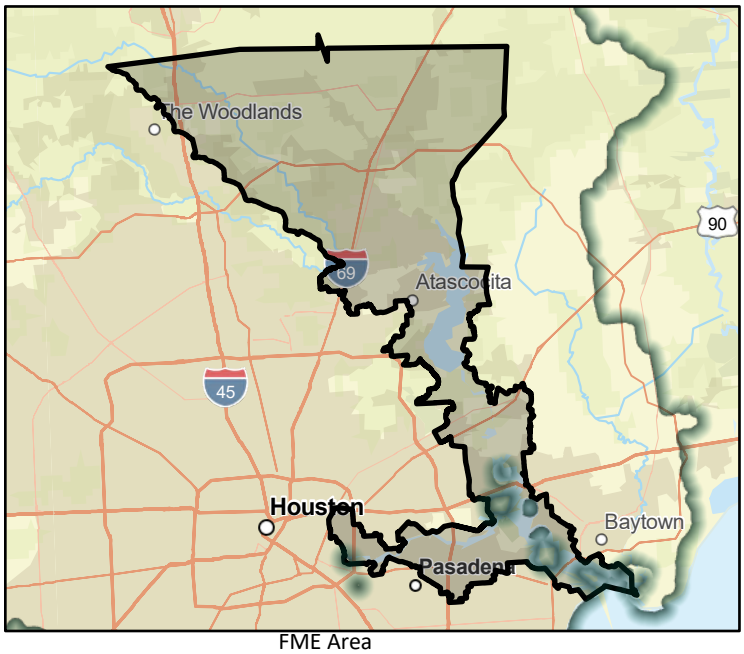
Farm/Ranch land impacted (acres): 801.18 | Roadway(s) impacted (length): 446.10

Number of low water crossings: 15 | Historical road closures: 15

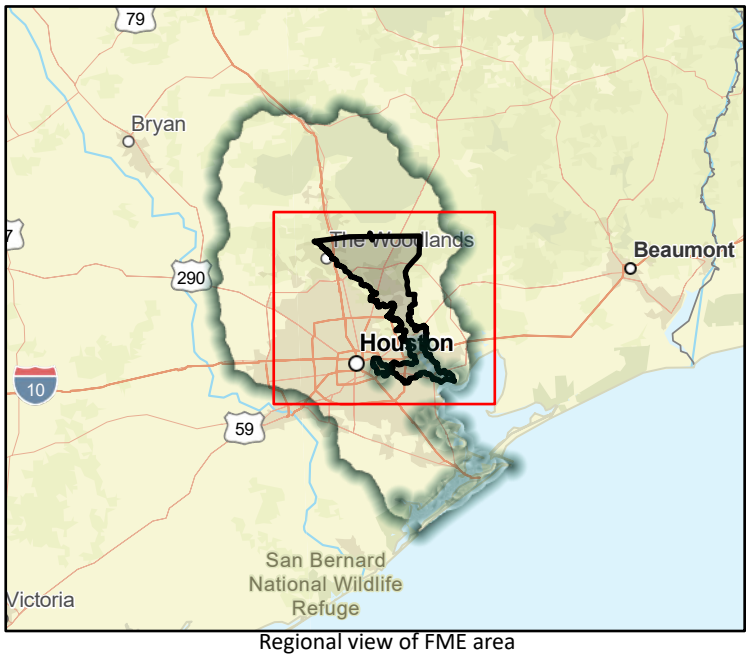
Estimated Cost and Funding Availability

Total Cost: 3,288,000.00 | Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Clear Creek Local Drainage Study

ID#: 061000520

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Clear Creek watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Fort Bend, Brazoria, Galveston

Watershed HUC# (if known): 06000085, 06000086, 06000095, 06000106, 06000107, 06000109

Drainage area (Square miles, est.): 201.07

Goal(s): 06000015

100-Year Flood Risk Summary

Population at risk: 75,345

# of structures: 27,130

Critical facilities: 231

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 532.73

Roadway(s) impacted (length): 458.14

Number of low water crossings: 12

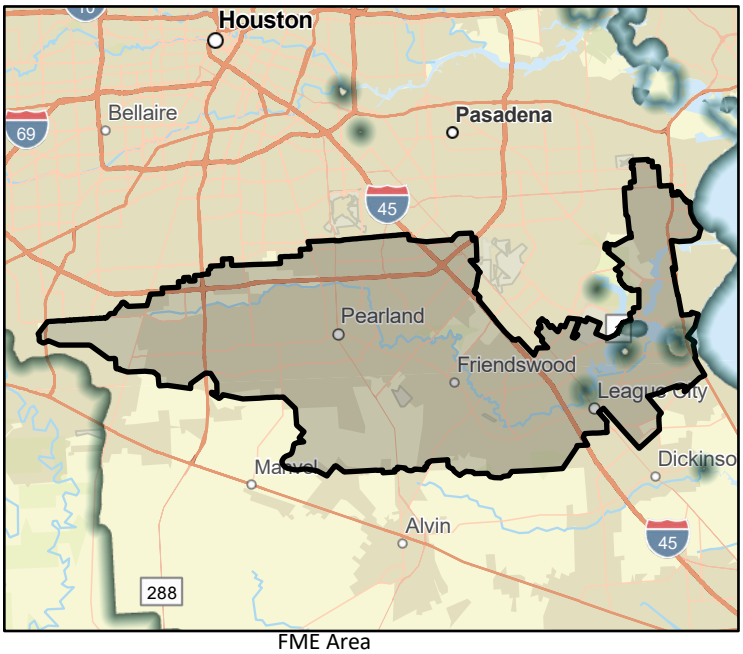
Historical road closures: 12

Estimated Cost and Funding Availability

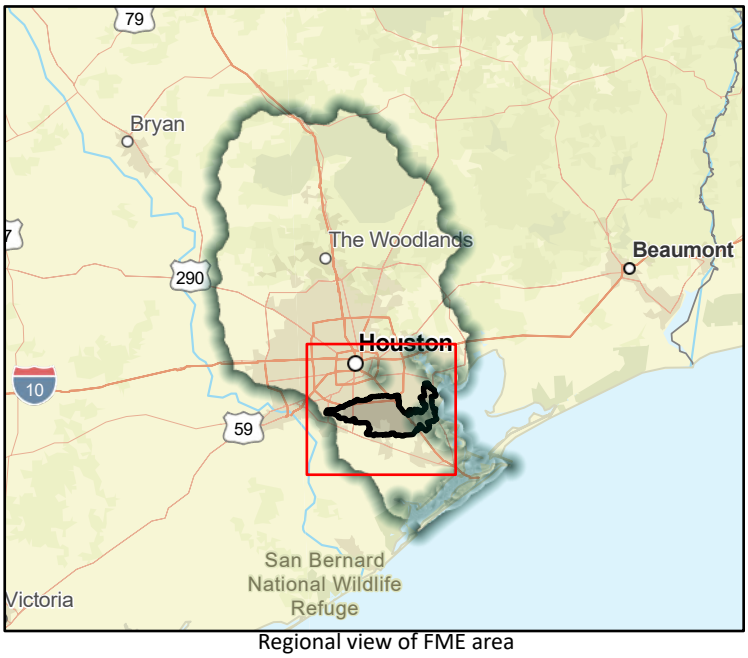
Total Cost: 3,008,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Cypress Creek Local Drainage Study

ID#: 061000521

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Cypress Creek watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Waller

Watershed HUC# (if known): 06000026, 06000027, 06000028, 06000029, 06000030, 06000031,

Drainage area (Square miles, est.): 267.22

Goal(s): 06000015

100-Year Flood Risk Summary

Population at risk: 13,877

# of structures: 4,159

Critical facilities: 87

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1,659.60

Roadway(s) impacted (length): 109.48

Number of low water crossings: 18

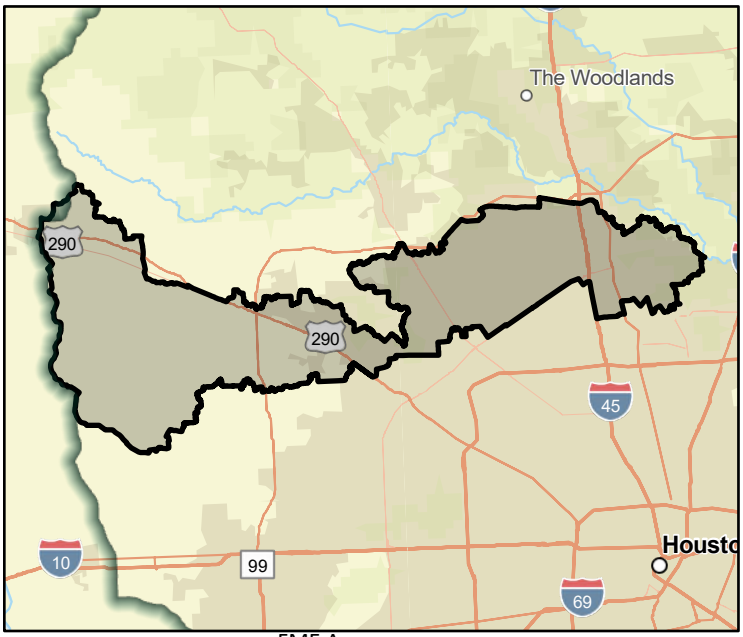
Historical road closures: 18

Estimated Cost and Funding Availability

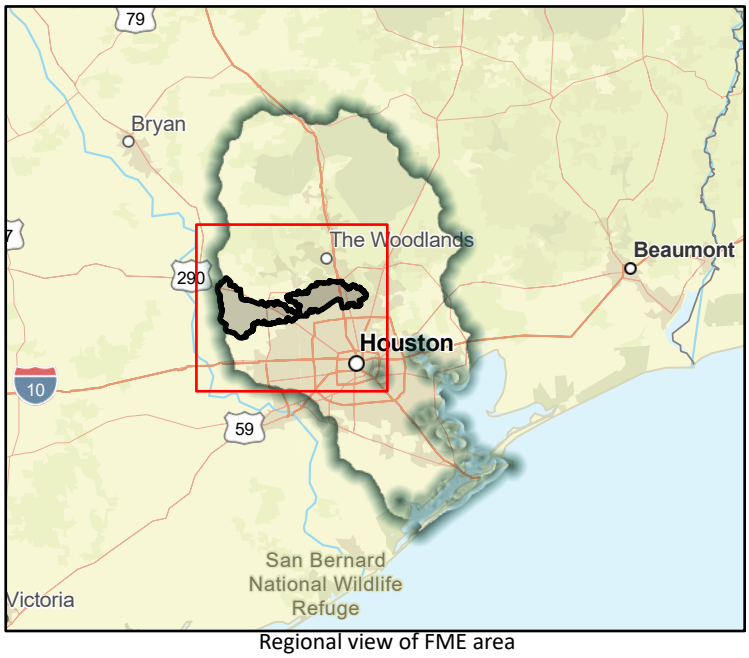
Total Cost: 10,768,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Cypress Creek - Neighborhood Future Floodplain Analysis

ID#: 061000522

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Cypress Creek watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Waller

Watershed HUC# (if known): 06000026, 06000027, 06000028, 06000029, 06000030, 06000031,

Drainage area (Square miles, est.): 267.23

Goal(s): 06000010, 06000015

100-Year Flood Risk Summary

Population at risk: 13,877

# of structures: 4,159

Critical facilities: 87

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1,659.60

Roadway(s) impacted (length): 109.48

Number of low water crossings: 18

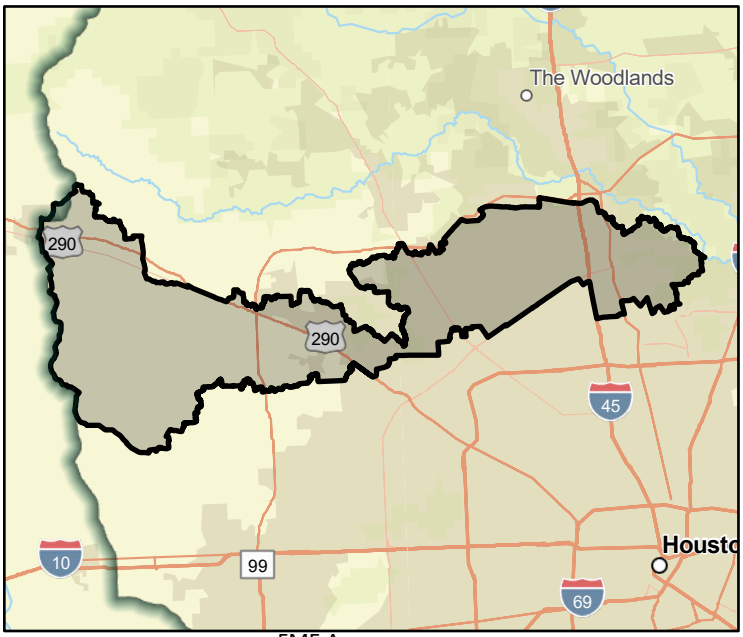
Historical road closures: 18

Estimated Cost and Funding Availability

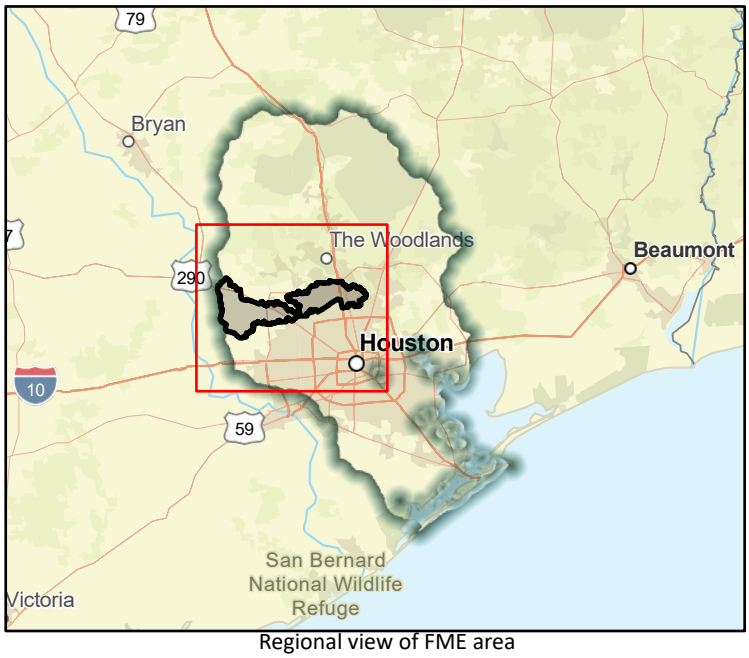
Total Cost: 67,763,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: White Oak Bayou - Neighborhood Future Floodplain Analysis

ID#: 061000523

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for White Oak Bayou watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000029, 06000031, 06000078, 06000079, 06000080, 06000081,

Drainage area (Square miles, est.): 111.11

Goal(s): 06000010, 06000015

100-Year Flood Risk Summary

Population at risk: 85,064

# of structures: 17,090

Critical facilities: 145

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 28.37

Roadway(s) impacted (length): 280.87

Number of low water crossings: 4

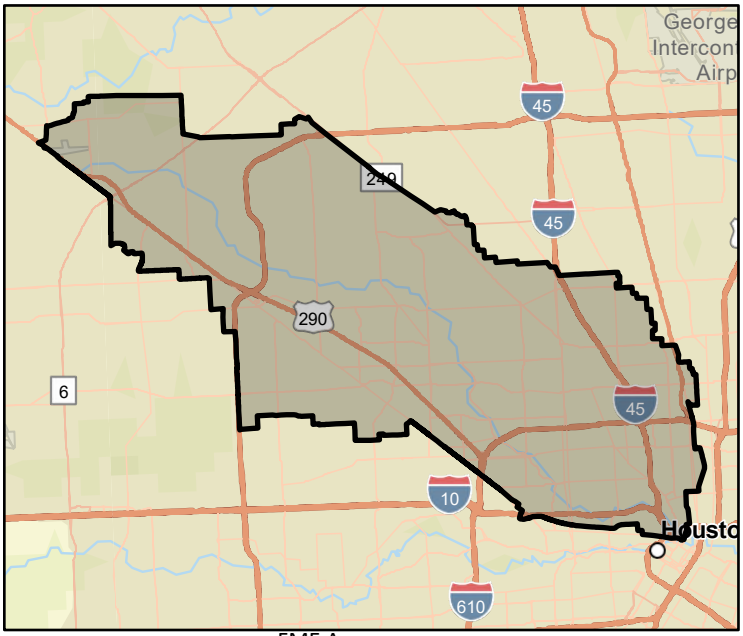
Historical road closures: 4

Estimated Cost and Funding Availability

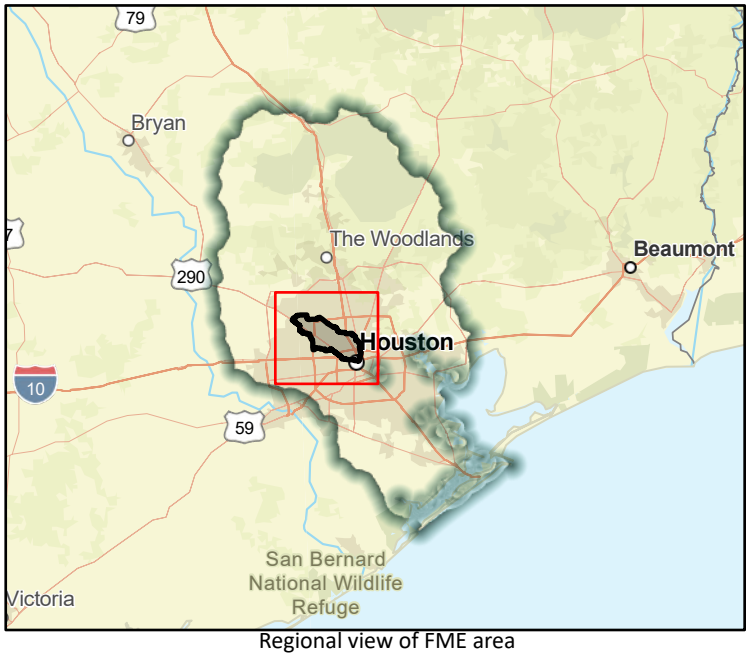
Total Cost: 46,676,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: White Oak Bayou Local Drainage Study

ID#: 061000524

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in White Oak Bayou watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000029, 06000031, 06000078, 06000079, 06000080, 06000081,

Drainage area (Square miles, est.): 111.11

Goal(s): 06000015

100-Year Flood Risk Summary

Population at risk: 85,064

# of structures: 17,090

Critical facilities: 145

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 28.37

Roadway(s) impacted (length): 280.87

Number of low water crossings: 4

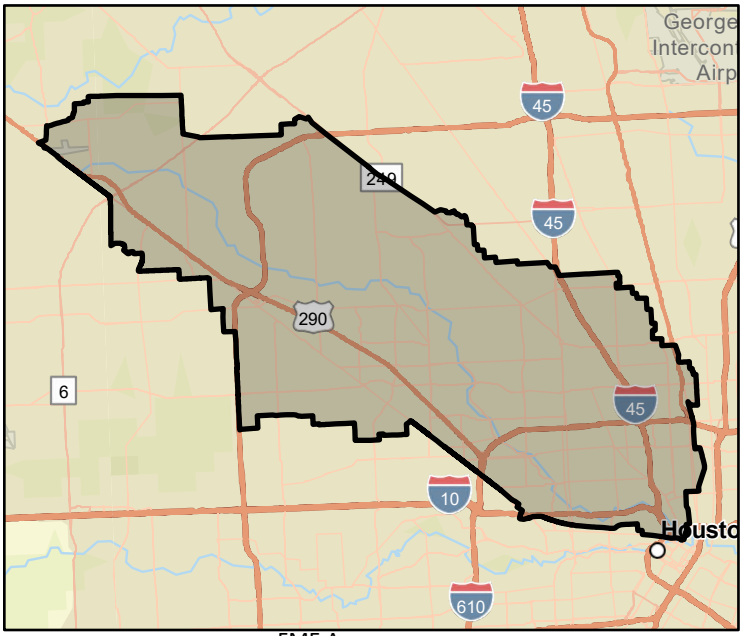
Historical road closures: 4

Estimated Cost and Funding Availability

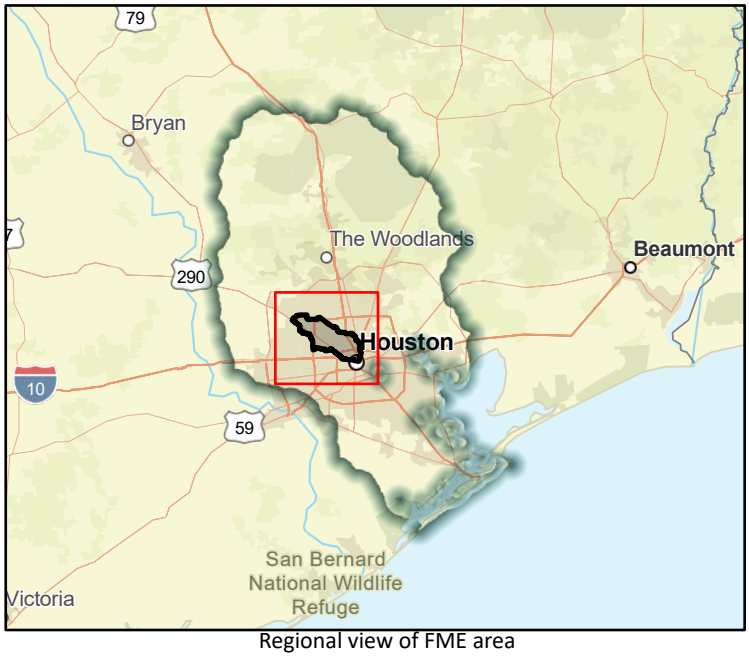
Total Cost: 4,897,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Spring Gully & Goose Creek Local Drainage Study

ID#: 061000525

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Spring Gully & Goose Creek watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000096, 06000097, 06000098, 06000102, 06000103, 06000104

Drainage area (Square miles, est.): 34.96

Goal(s): 06000015

100-Year Flood Risk Summary

Population at risk: 5,995

# of structures: 1,882

Critical facilities: 64

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 73.13

Roadway(s) impacted (length): 32.83

Number of low water crossings: 1

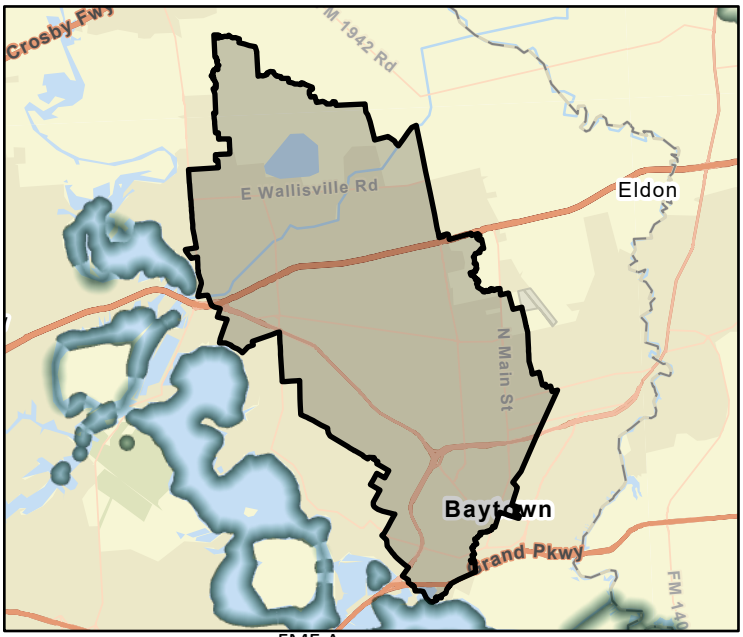
Historical road closures: 1

Estimated Cost and Funding Availability

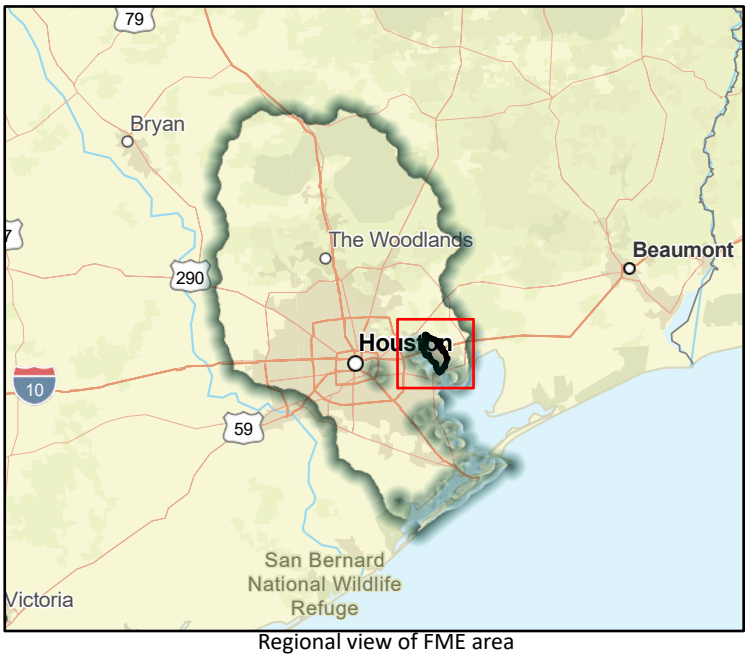
Total Cost: 3,591,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Cedar Bayou Local Drainage Study

ID#: 061000526

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Cedar Bayou watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Liberty, Chambers

Watershed HUC# (if known): 06000024, 06000025, 06000060, 06000096, 06000097, 06000098,

Drainage area (Square miles, est.): 199.04

Goal(s): 06000015

100-Year Flood Risk Summary

Population at risk: 4,369

# of structures: 2,345

Critical facilities: 36

Flood risk type: Riverine?: Yes

Coastal?: Yes

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 3,104.43

Roadway(s) impacted (length): 64.25

Number of low water crossings: 0

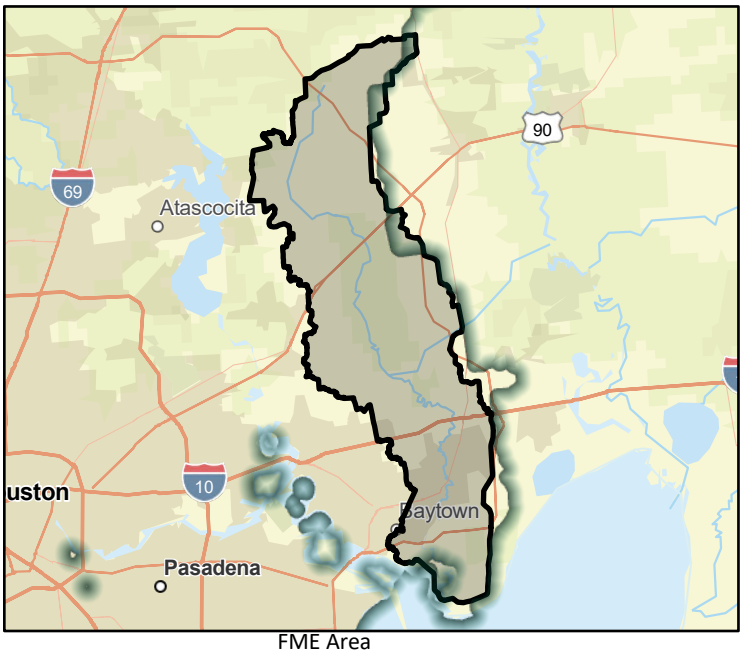
Historical road closures: 0

Estimated Cost and Funding Availability

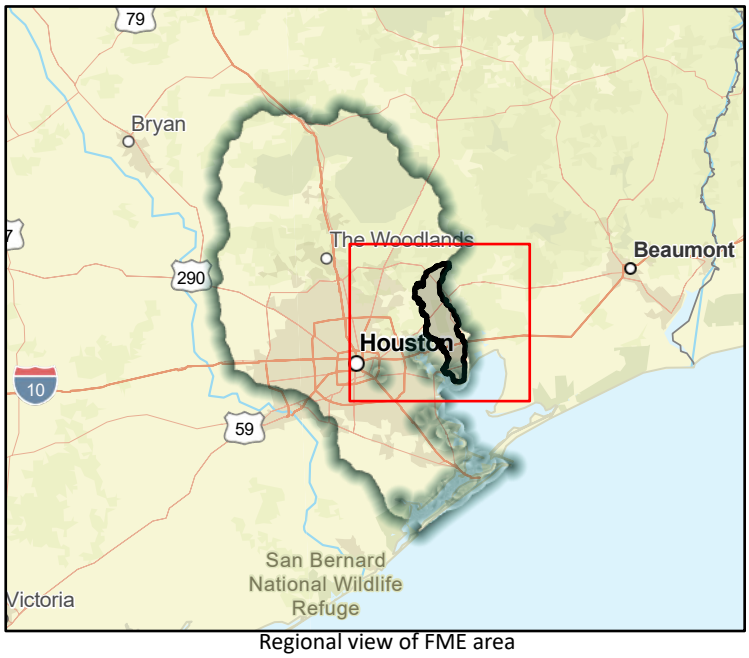
Total Cost: 905,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Addicks Reservoir Local Drainage Study

ID#: 061000527

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Addicks Reservoir watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Waller

Watershed HUC# (if known): 06000028, 06000029, 06000071, 06000072, 06000074, 06000075,

Drainage area (Square miles, est.): 138.47

Goal(s): 06000015

100-Year Flood Risk Summary

Population at risk: 8,182

# of structures: 3,746

Critical facilities: 52

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1,607.18

Roadway(s) impacted (length): 114.10

Number of low water crossings: 0

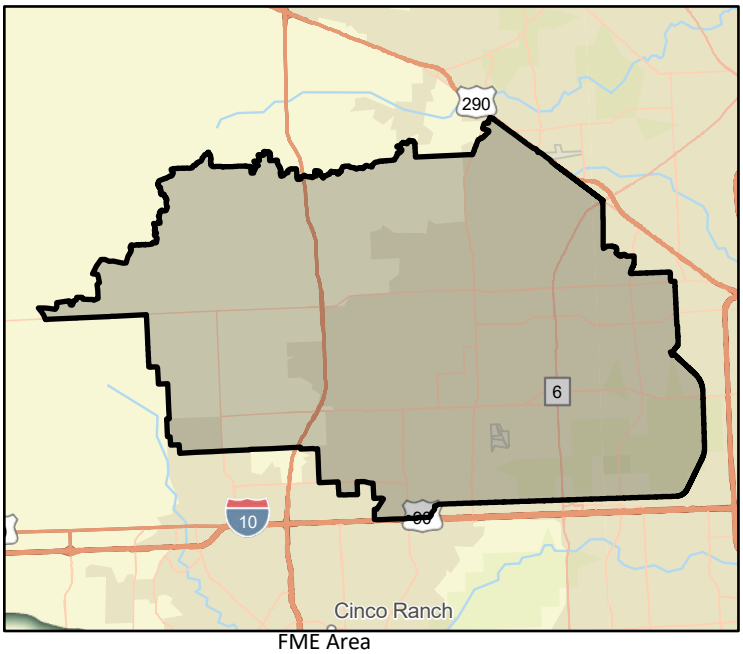
Historical road closures: 0

Estimated Cost and Funding Availability

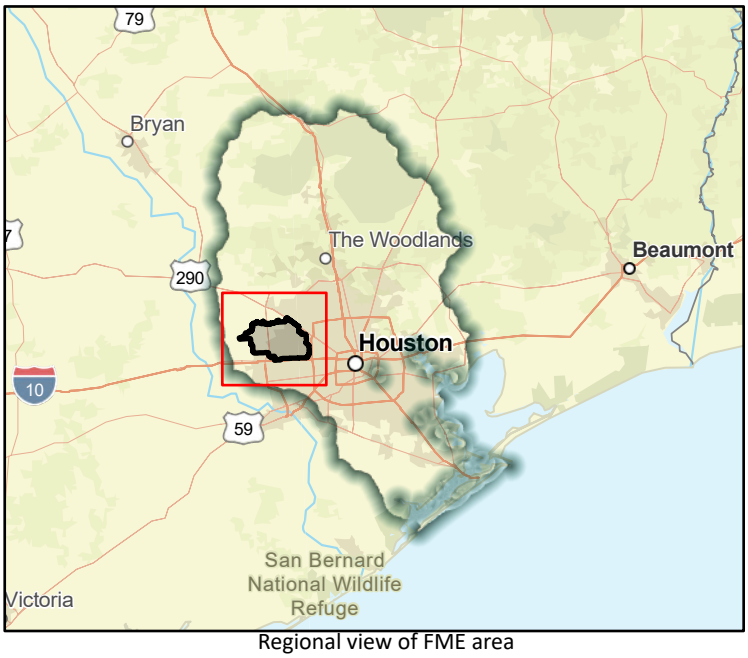
Total Cost: 7,151,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Little Cypress Creek Local Drainage Study

ID#: 061000528

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Little Cypress Creek watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000026, 06000028, 06000029, 06000030, 06000031, 06000033,

Drainage area (Square miles, est.): 52.30

Goal(s): 06000015

100-Year Flood Risk Summary

Population at risk: 2,734

# of structures: 1,213

Critical facilities: 14

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 192.02

Roadway(s) impacted (length): 18.59

Number of low water crossings: 4

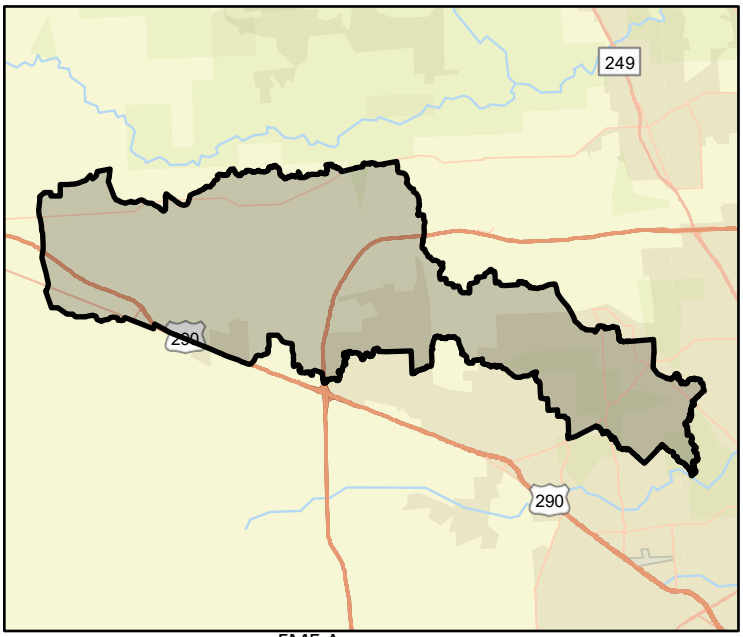
Historical road closures: 4

Estimated Cost and Funding Availability

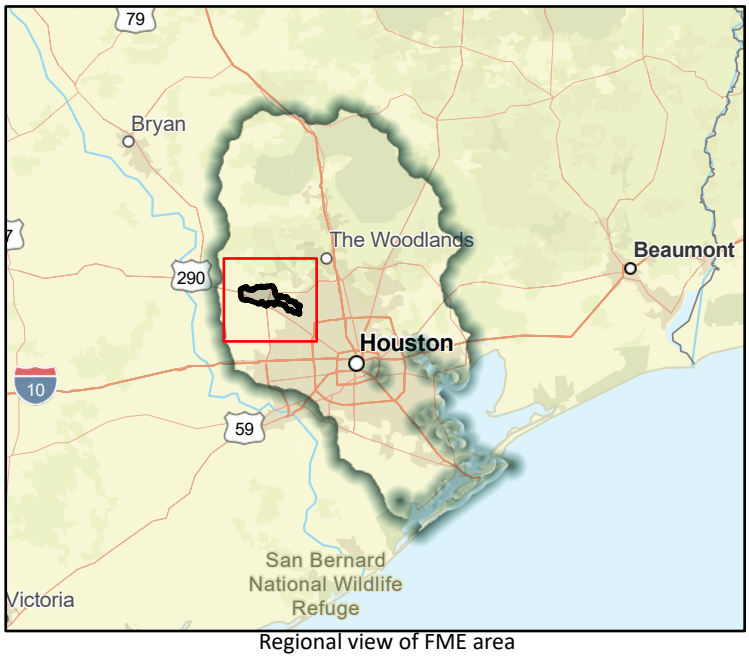
Total Cost: 568,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Buffalo Bayou Local Drainage Study

ID#: 061000529

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Buffalo Bayou watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Fort Bend

Watershed HUC# (if known): 06000074, 06000077, 06000078, 06000079, 06000080, 06000081,

Drainage area (Square miles, est.): 101.88

Goal(s): 06000015

100-Year Flood Risk Summary

Population at risk: 36,738

# of structures: 1,998

Critical facilities: 34

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 17.90

Roadway(s) impacted (length): 38.72

Number of low water crossings: 0

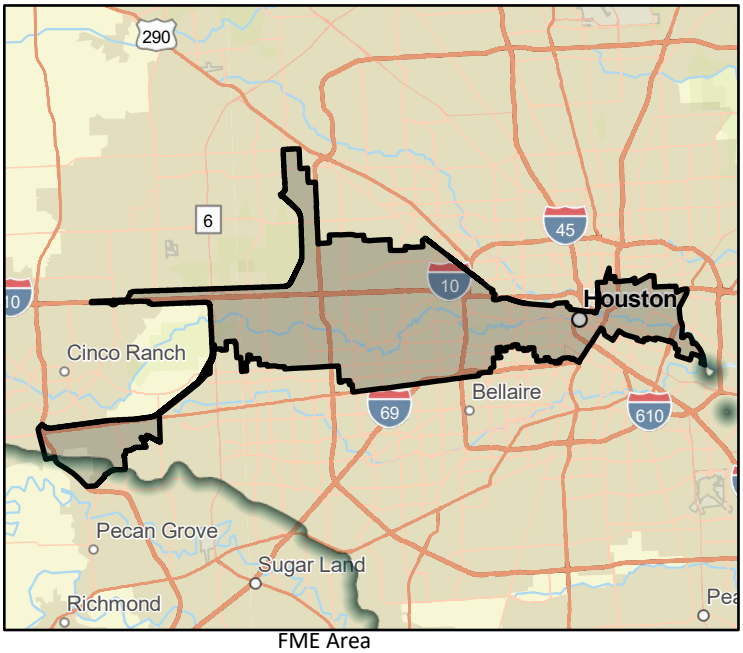
Historical road closures: 0

Estimated Cost and Funding Availability

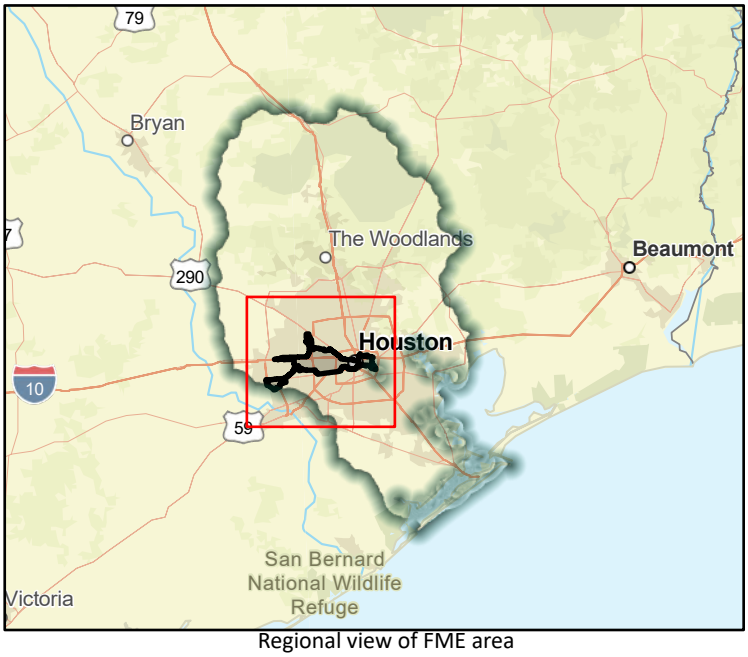
Total Cost: 195,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Spring Gully & Goose Creek - Neighborhood Future Floodplain Analysis

ID#: 061000530

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Spring Gully & Goose Creek watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000096, 06000097, 06000098, 06000102, 06000103, 06000104

Drainage area (Square miles, est.): 34.96

Goal(s): 06000010, 06000015

100-Year Flood Risk Summary

Population at risk: 5,995

# of structures: 1,882

Critical facilities: 64

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 73.13

Roadway(s) impacted (length): 32.83

Number of low water crossings: 1

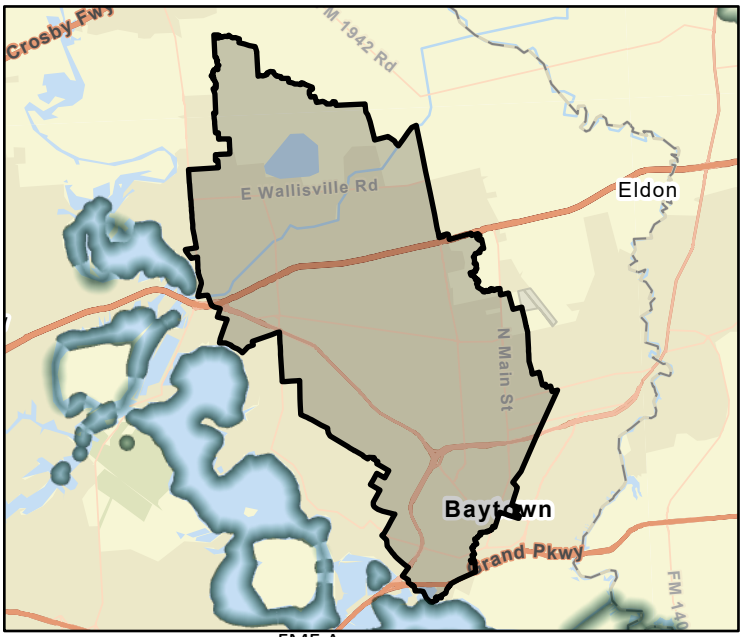
Historical road closures: 1

Estimated Cost and Funding Availability

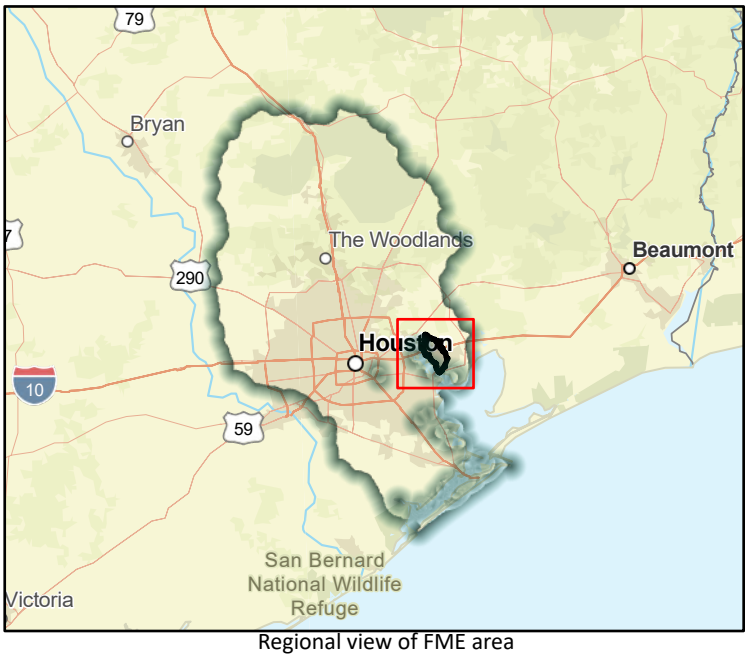
Total Cost: 14,929,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Willow Creek Local Drainage Study

ID#: 061000531

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Willow Creek watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000030, 06000031, 06000037, 06000041, 06000042, 06000044

Drainage area (Square miles, est.): 55.58

Goal(s): 06000015

100-Year Flood Risk Summary

Population at risk: 2,575

# of structures: 1,317

Critical facilities: 7

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 68.14

Roadway(s) impacted (length): 36.03

Number of low water crossings: 8

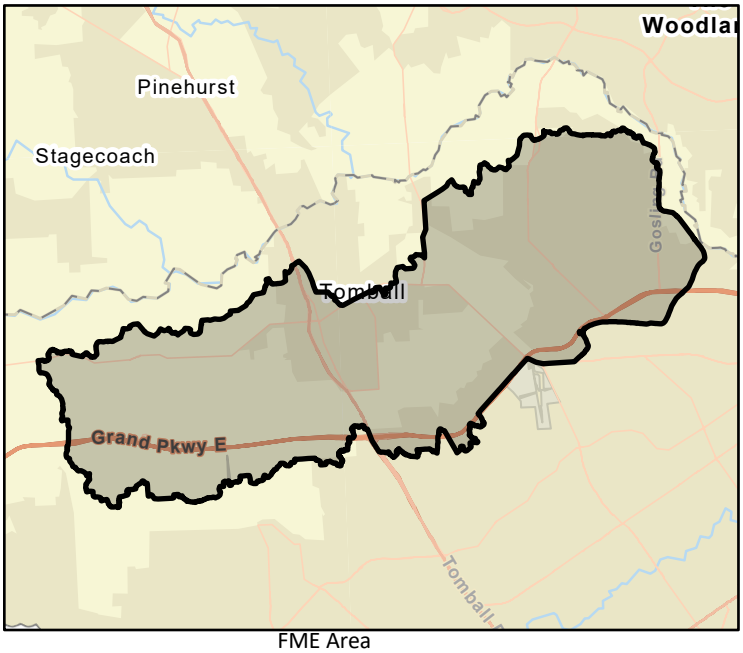
Historical road closures: 8

Estimated Cost and Funding Availability

Total Cost: 972,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Luce Bayou Local Drainage Study

ID#: 061000532

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Luce Bayou watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Liberty, Montgomery

Watershed HUC# (if known): 06000024, 06000058, 06000059, 06000060, 06000070, 06000099,

Drainage area (Square miles, est.): 74.94

Goal(s): 06000015

100-Year Flood Risk Summary

Population at risk: 717

# of structures: 772

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 190.57

Roadway(s) impacted (length): 40.68

Number of low water crossings: 0

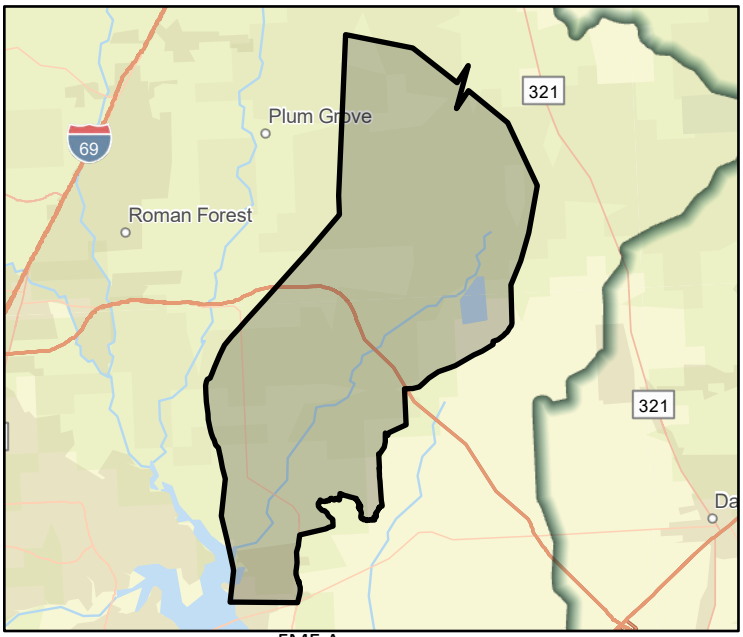
Historical road closures: 0

Estimated Cost and Funding Availability

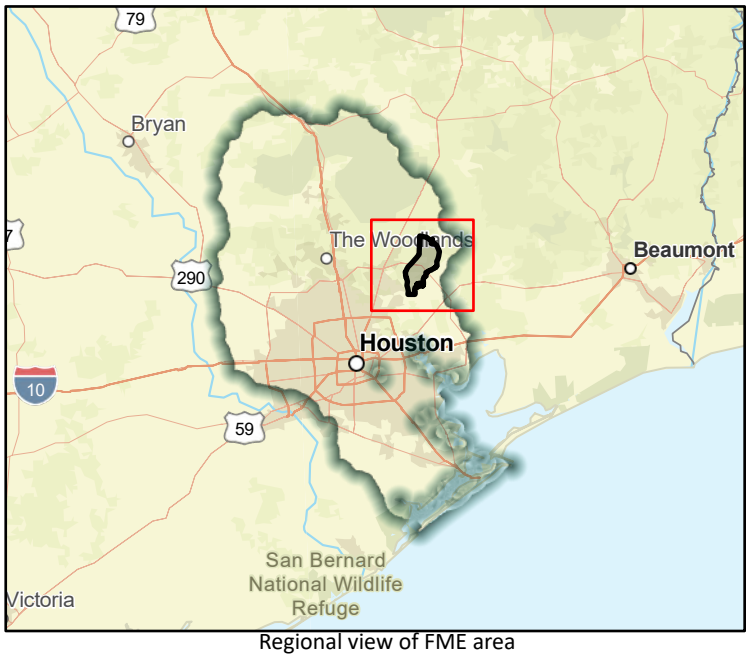
Total Cost: 328,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Barker Reservoir Local Drainage Study

ID#: 061000533

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Barker Reservoir watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Fort Bend, Waller

Watershed HUC# (if known): 06000028, 06000071, 06000072, 06000073, 06000074, 06000077,

Drainage area (Square miles, est.): 128.62

Goal(s): 06000015

100-Year Flood Risk Summary

Population at risk: 2,598

# of structures: 1,051

Critical facilities: 11

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 753.01

Roadway(s) impacted (length): 34.06

Number of low water crossings: 5

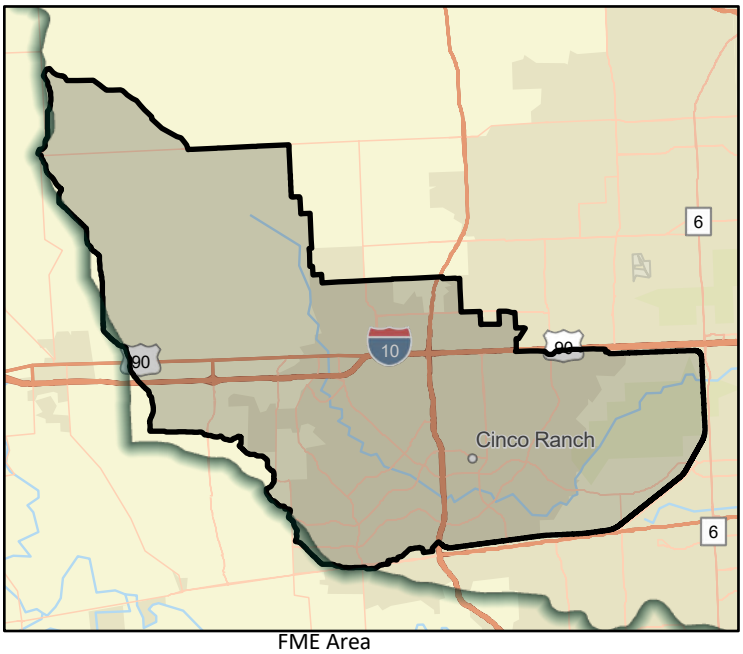
Historical road closures: 5

Estimated Cost and Funding Availability

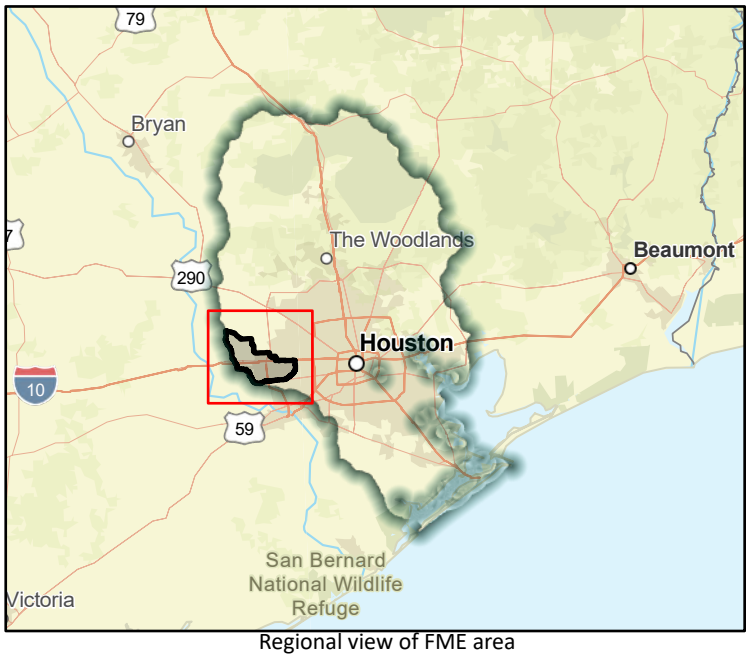
Total Cost: 2,369,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Brays Bayou Local Drainage Study

ID#: 061000534

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Brays Bayou watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Fort Bend

Watershed HUC# (if known): 06000080, 06000082, 06000083, 06000084, 06000085, 06000086,

Drainage area (Square miles, est.): 128.66

Goal(s): 06000015

100-Year Flood Risk Summary

Population at risk: 216,118

# of structures: 40,914

Critical facilities: 545

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 45.19

Roadway(s) impacted (length): 537.14

Number of low water crossings: 2

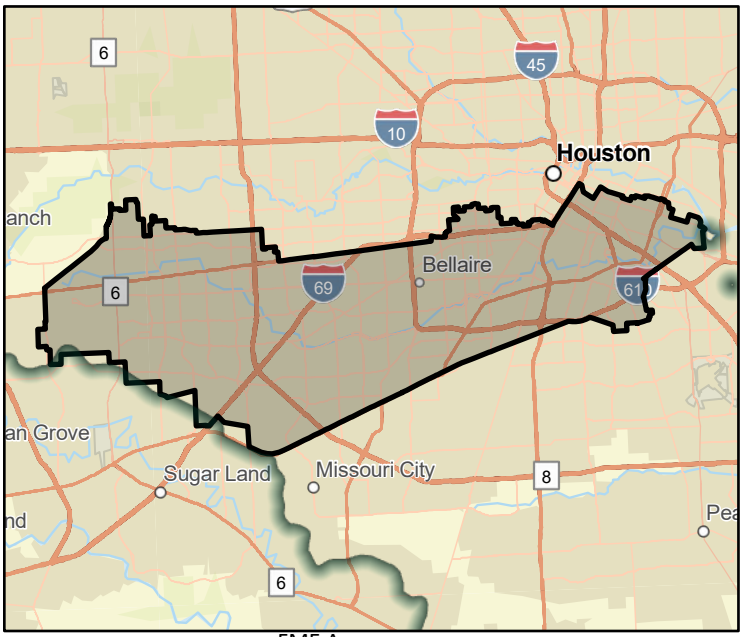
Historical road closures: 2

Estimated Cost and Funding Availability

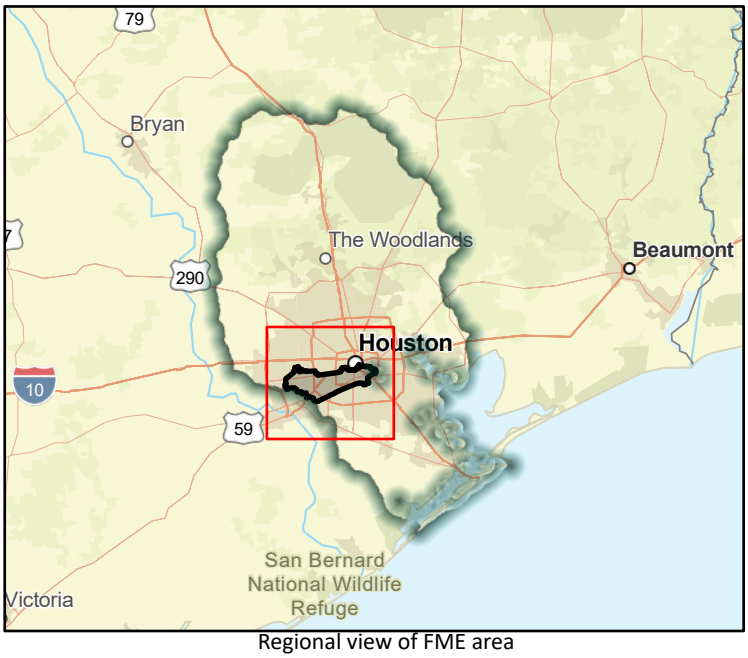
Total Cost: 334,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Briarwood Area Drainage Improvements

ID#: 061000535

Sponsor (name of entity, not person): 00003343

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further analysis to become a FMP. This project includes proposed storm sewer improvements to bring the area to accordance with the City of Baytown drainage criteria. Detention is also proposed to mitigate for impacts from increased flow.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000098, 06000104

Drainage area (Square miles, est.): 0.07

Goal(s): 06000001,06000010

100-Year Flood Risk Summary

Population at risk: 0

# of structures:

Critical facilities:

Flood risk type: Riverine?: No Coastal?: No Local?: Yes Playa?: No Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.00

Number of low water crossings:

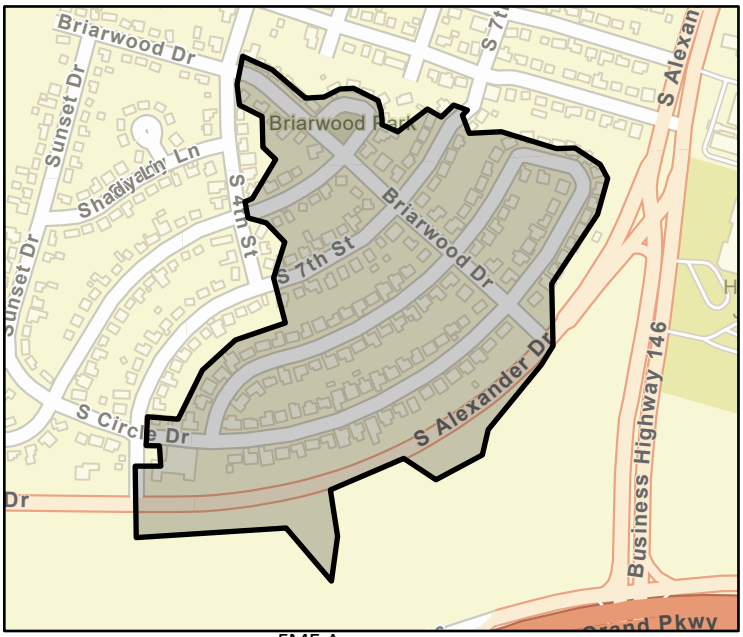
Historical road closures:

Estimated Cost and Funding Availability

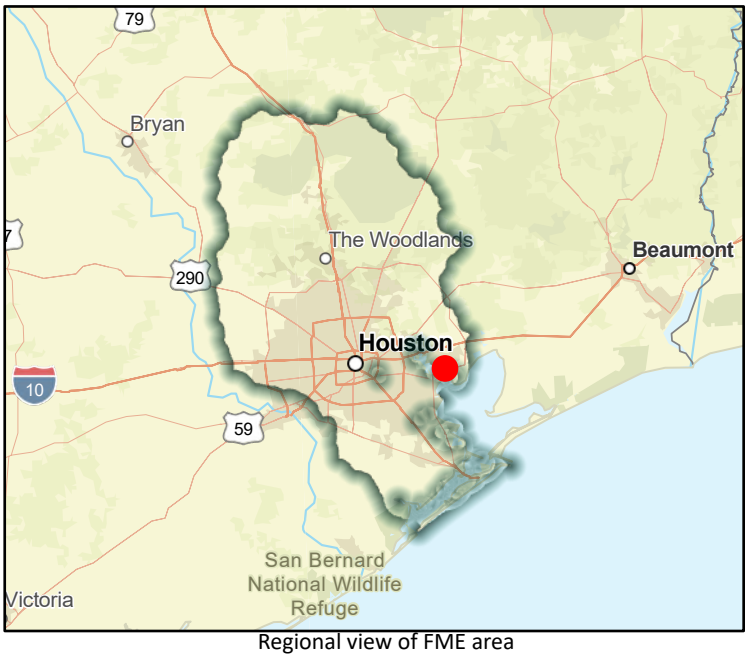
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: North Alexander

ID#: 061000536

Sponsor (name of entity, not person): 00003343

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further analysis to become a FMP. This project includes proposed storm sewer improvements to bring the area to accordance with the City of Baytown drainage criteria. Detention is also proposed to mitigate for impacts from increased flow.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000104

Drainage area (Square miles, est.): 0.17

Goal(s): 06000001,06000010

100-Year Flood Risk Summary

Population at risk: 0

# of structures:

Critical facilities:

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.00

Number of low water crossings:

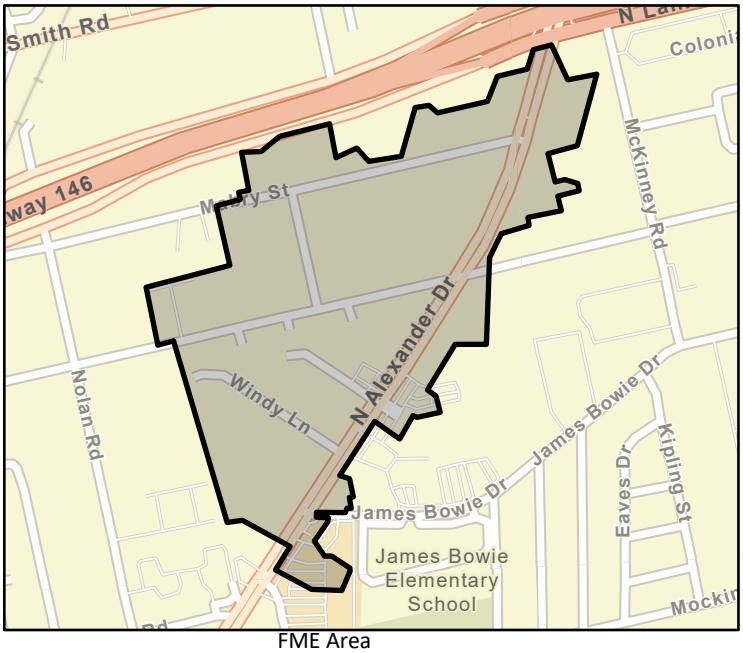
Historical road closures:

Estimated Cost and Funding Availability

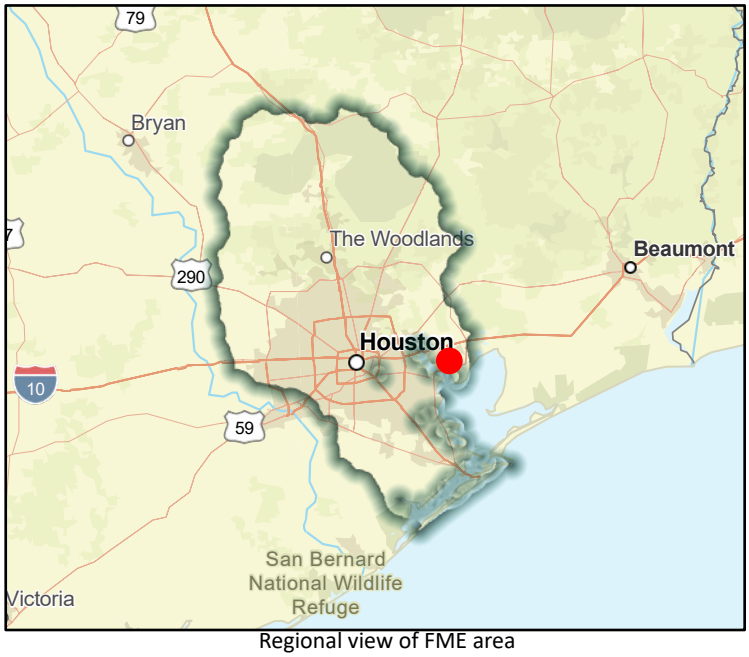
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Rollingbrook Garth and Main

ID#: 061000537

Sponsor (name of entity, not person): 00003343

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further analysis to become a FMP. This project includes proposed storm sewer improvements to bring the area to accordance with the City of Baytown drainage criteria. Detention is also proposed to mitigate for impacts from increased flow.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000098

Drainage area (Square miles, est.): 0.08

Goal(s): 06000001,06000010

100-Year Flood Risk Summary

Population at risk: 0

# of structures: 0

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.00

Number of low water crossings:

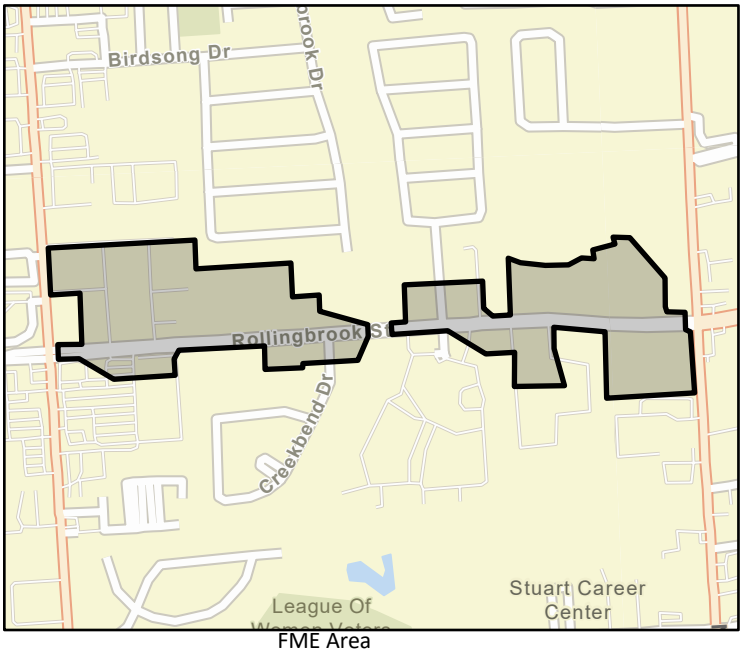
Historical road closures:

Estimated Cost and Funding Availability

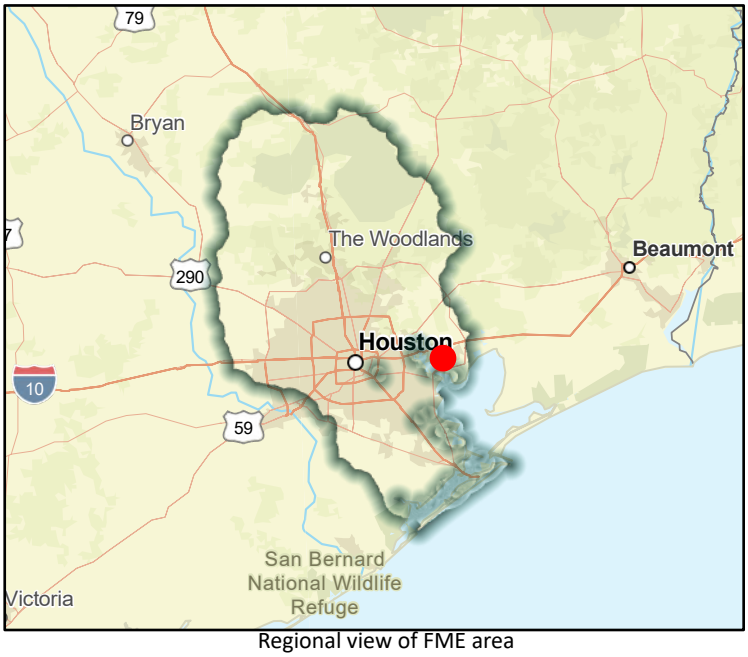
Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: West Baytown Phase 2

ID#: 061000538

Sponsor (name of entity, not person): 00003343

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further analysis to become a FMP. This project includes proposed storm sewer improvements to bring the area to accordance with the City of Baytown drainage criteria.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000098

Drainage area (Square miles, est.): 0.17

Goal(s): 06000001,06000010

100-Year Flood Risk Summary

Population at risk: 302

# of structures: 81

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 1.68

Number of low water crossings:

Historical road closures:

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Spring Creek Local Drainage Study

ID#: 061000539

Sponsor (name of entity, not person): 00000020

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Watershed Planning

Study description: The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Spring Creek watershed.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Montgomery, Waller, Grimes

Watershed HUC# (if known): 06000016, 06000017, 06000018, 06000019, 06000020, 06000021,

Drainage area (Square miles, est.): 385.89

Goal(s): 06000001,06000010

100-Year Flood Risk Summary

Population at risk: 17,055

# of structures: 4,185

Critical facilities: 44

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 231.65

Roadway(s) impacted (length): 106.13

Number of low water crossings: 27

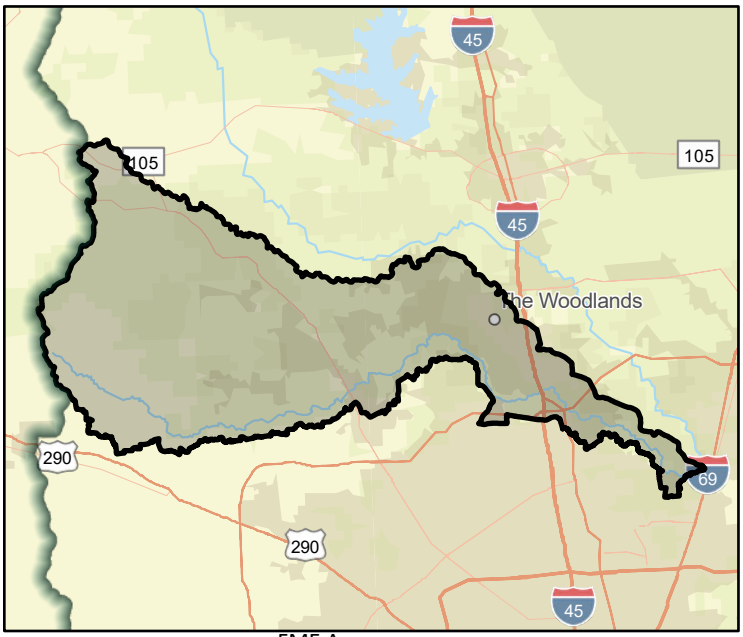
Historical road closures: 27

Estimated Cost and Funding Availability

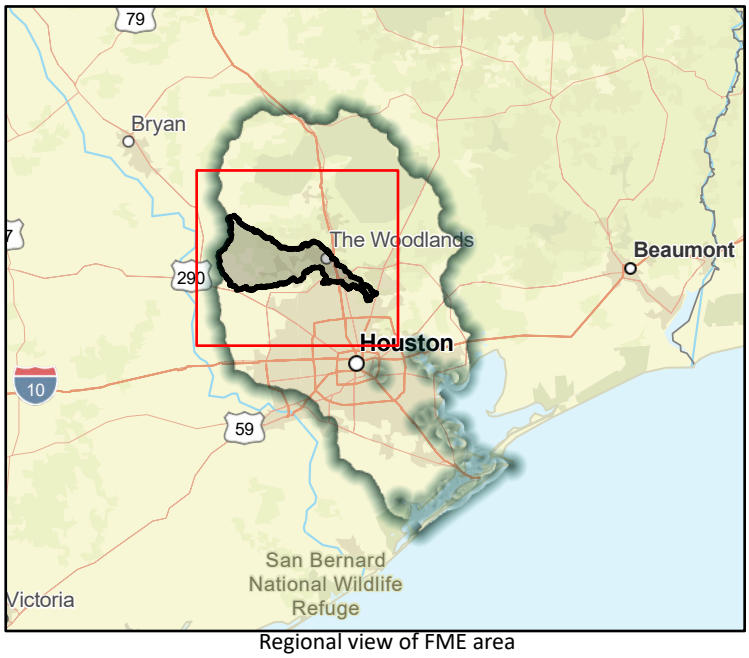
Total Cost: 343,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: South Shore Drainage Pump Station

ID#: 061000540

Sponsor (name of entity, not person): 00000006

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Project includes analysis to bring the existing storm sewer into compliance with updated drainage criteria along with the evaluation and design of a pump station.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Galveston

Watershed HUC# (if known): 06000107

Drainage area (Square miles, est.): 1.24

Goal(s): 06000001,06000010

100-Year Flood Risk Summary

Population at risk: 4,031

# of structures: 1,718

Critical facilities: 14

Flood risk type: Riverine?: No

Coastal?: Yes

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.41

Roadway(s) impacted (length): 29.61

Number of low water crossings:

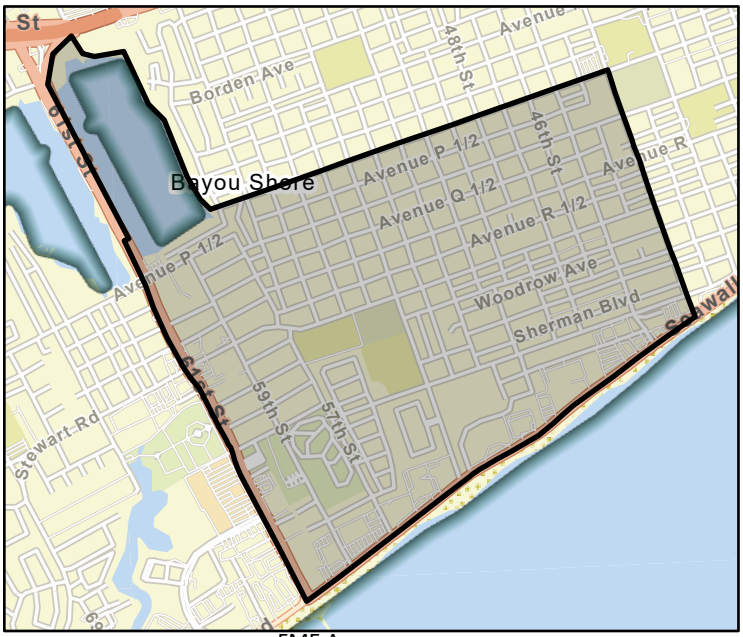
Historical road closures:

Estimated Cost and Funding Availability

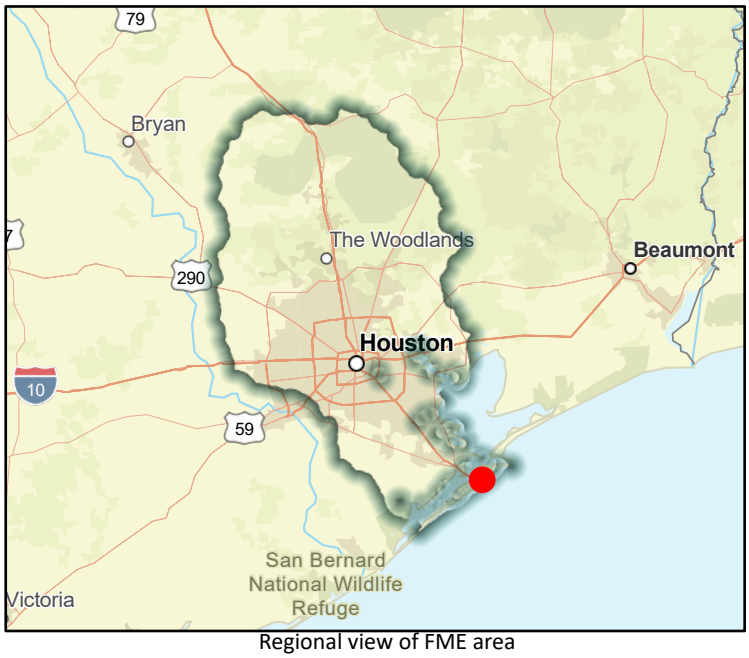
Total Cost: 5,000,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title 51st Street Drainage Basin Pump Station Project

ID# 061000541

Sponsor (name of entity, not person) 00000006

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description The project includes evaluation of storm drainage improvements including a pump station at 51st Street and Harborside that will help reduce flooding in the project area and the surrounding areas.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Galveston Watershed HUC# (if known) 06000107

Drainage area (Square miles, est.) 1.18 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 6,139 # of structures 1,912 Critical facilities 23

Flood risk type: Riverine? No Coastal? Yes Local? Yes Playa? No Other? No

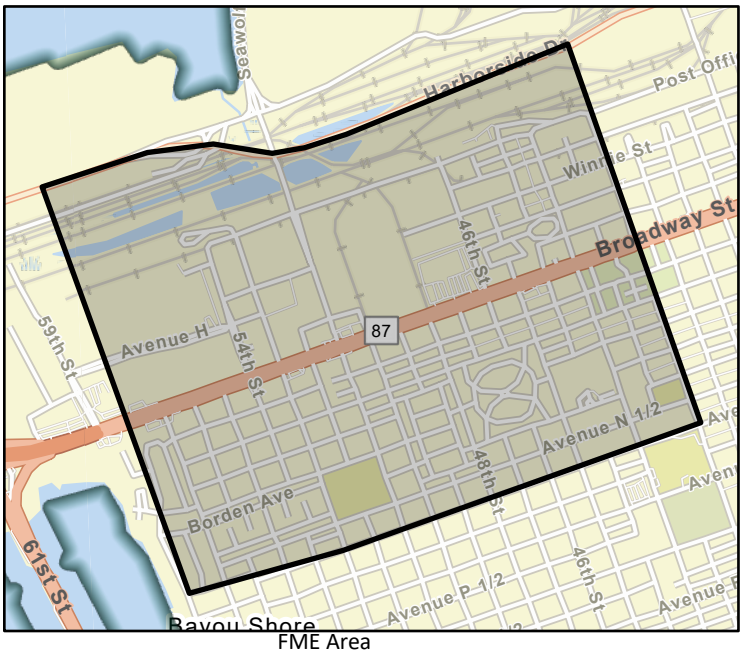
Farm/Ranch land impacted (acres) 0.00 Roadway(s) impacted (length) 26.48

Number of low water crossings 0 Historical road closures 0

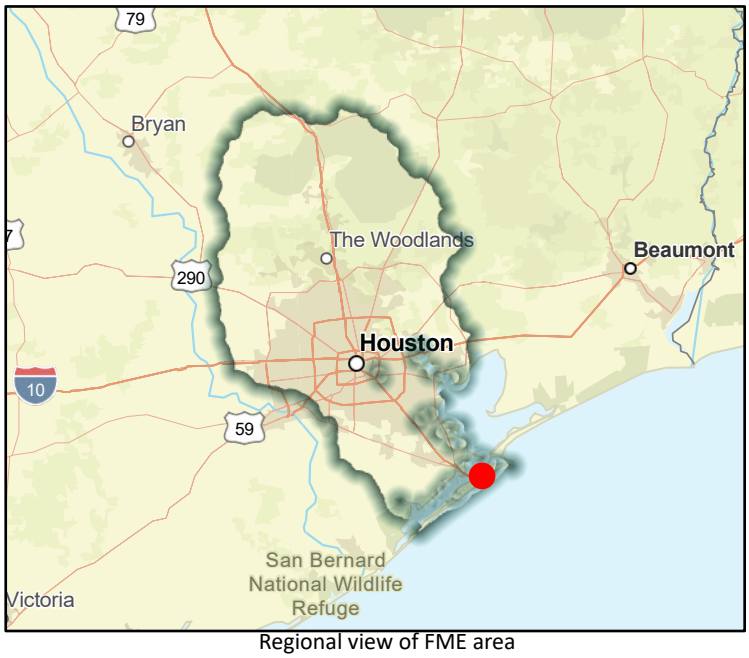
Estimated Cost and Funding Availability

Total Cost 9,000,000.00 Amount of Available Funding

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Kansas Street Drainage Project, Phase 2

ID#: 061000542

Sponsor (name of entity, not person): 06003147

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further analysis of propose drainage improvements within the City's Historic District.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000106, 06000107

Drainage area (Square miles, est.): 51.84

Goal(s): 06000001,06000010

100-Year Flood Risk Summary

Population at risk: 13,944

# of structures: 5,305

Critical facilities: 25

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1,307.45

Roadway(s) impacted (length): 105.09

Number of low water crossings: 2

Historical road closures: 2

Estimated Cost and Funding Availability

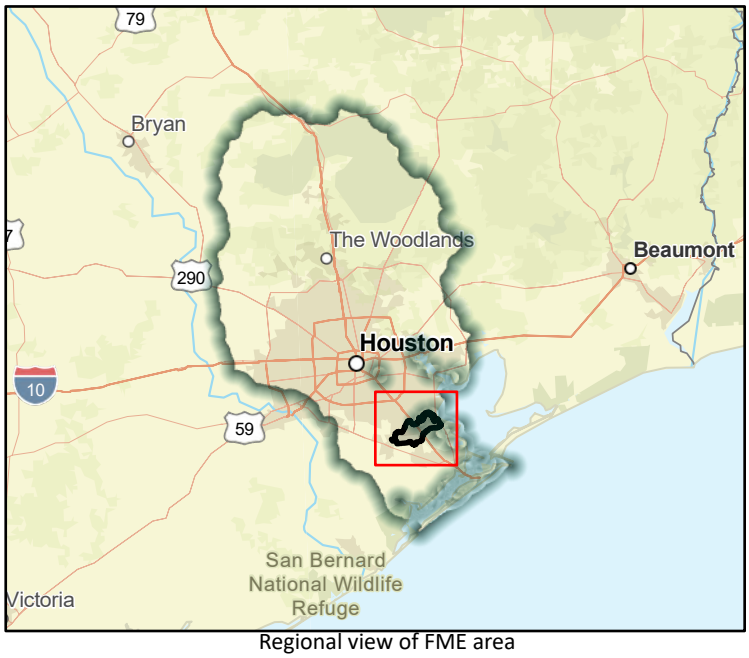
Total Cost: 580,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Gum Bayou Drainage Improvements

ID#: 061000543

Sponsor (name of entity, not person): 06003147

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Widen Gum Bayou from approximately SH 96 to the City's ETJ and create a new detention pond approximately 270 ac-ft in size.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000106, 06000107

Drainage area (Square miles, est.): 5.93

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,357

# of structures: 927

Critical facilities: 6

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 41.57

Roadway(s) impacted (length): 18.41

Number of low water crossings: 0

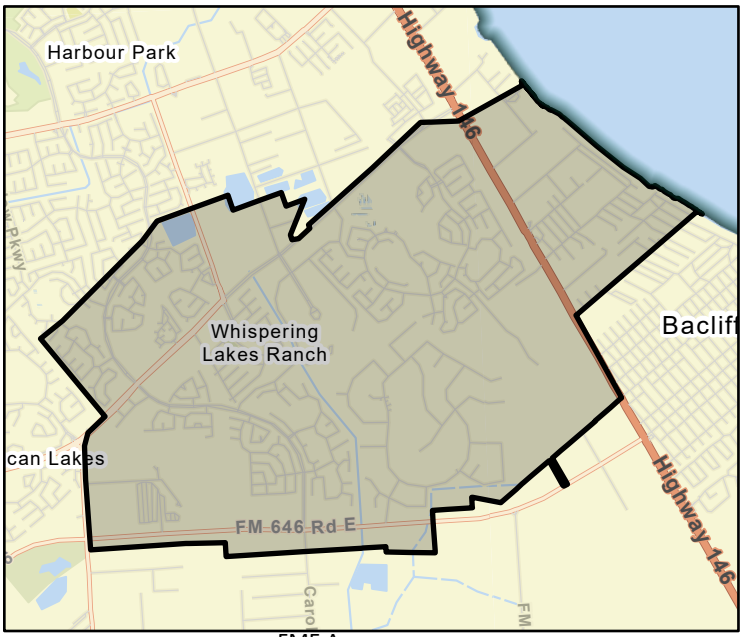
Historical road closures: 0

Estimated Cost and Funding Availability

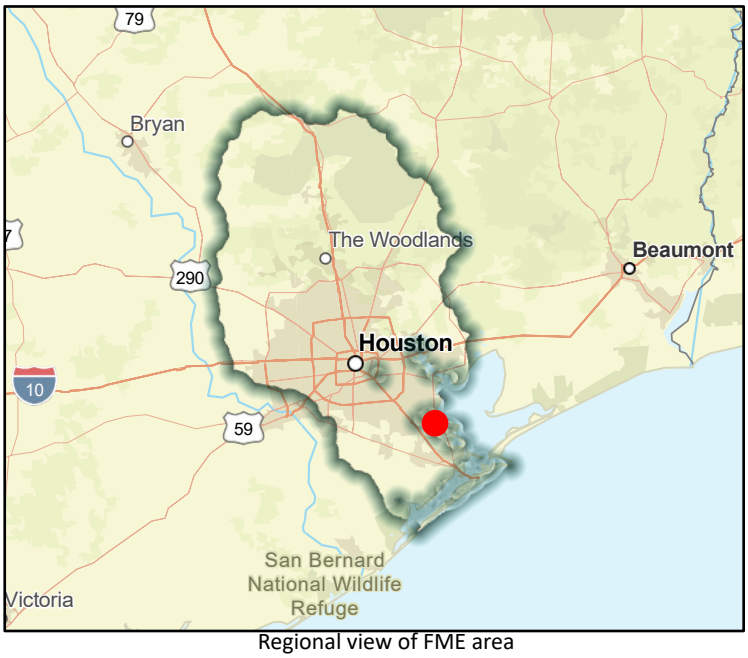
Total Cost: 1,200,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Magnolia Creek & Cedar Gully Drainage Improvement Project

ID#: 061000544

Sponsor (name of entity, not person): 06003147

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Project would look at Magnolia Creek and Cedar Gully upstream of FM 518. Improvements would include modification of detention pond outlets and culvert crossings at Summer Place.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000106, 06000107

Drainage area (Square miles, est.): 6.30

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,076

# of structures: 334

Critical facilities: 3

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 2.42

Roadway(s) impacted (length): 3.91

Number of low water crossings: 0

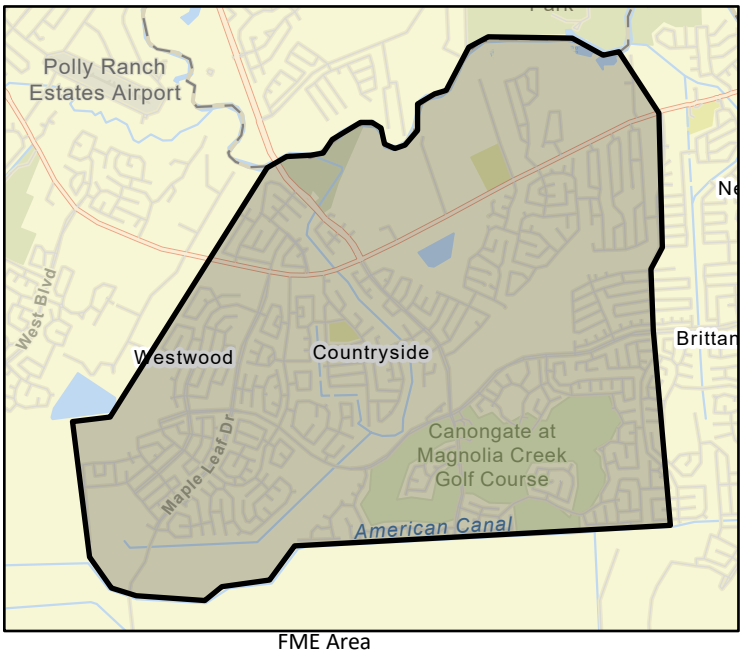
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 750,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Highland Terrace and Wesley Drive Drainage Improvements

ID#: 061000545

Sponsor (name of entity, not person): 06003147

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Evaluation of an extension of the FM 518 & Wesley Drive Drainage Improvement project. Includes extending storm sewer improvements.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000106, 06000107

Drainage area (Square miles, est.): 0.87

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 503

# of structures: 29

Critical facilities: 8

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 4.09

Roadway(s) impacted (length): 1.25

Number of low water crossings: 0

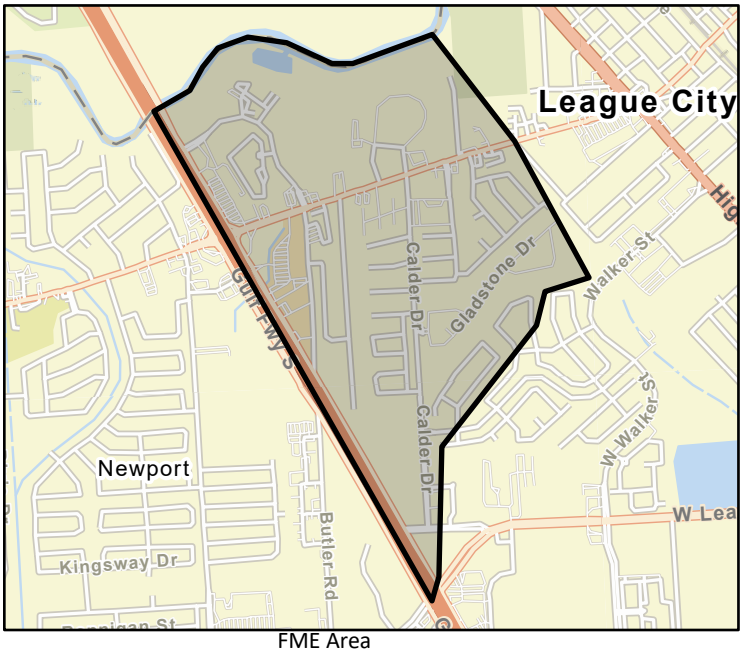
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 600,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Benson Bayou Regional Mitigation Conveyance & Detention Pond Project

ID#: 061000546

Sponsor (name of entity, not person): 06003147

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Further study of proposed regrading of Benson Bayou and tributaries along with a regional mitigation pond and reconstruction of road crossings and existing outfall structures.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000106, 06000107

Drainage area (Square miles, est.): 5.10

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 901

# of structures: 308

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 7.49

Roadway(s) impacted (length): 7.46

Number of low water crossings: 0

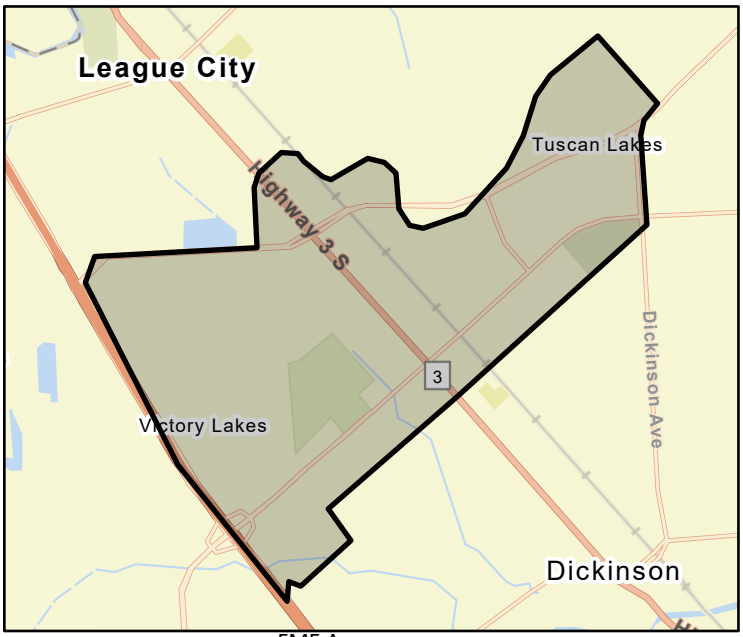
Historical road closures: 0

Estimated Cost and Funding Availability

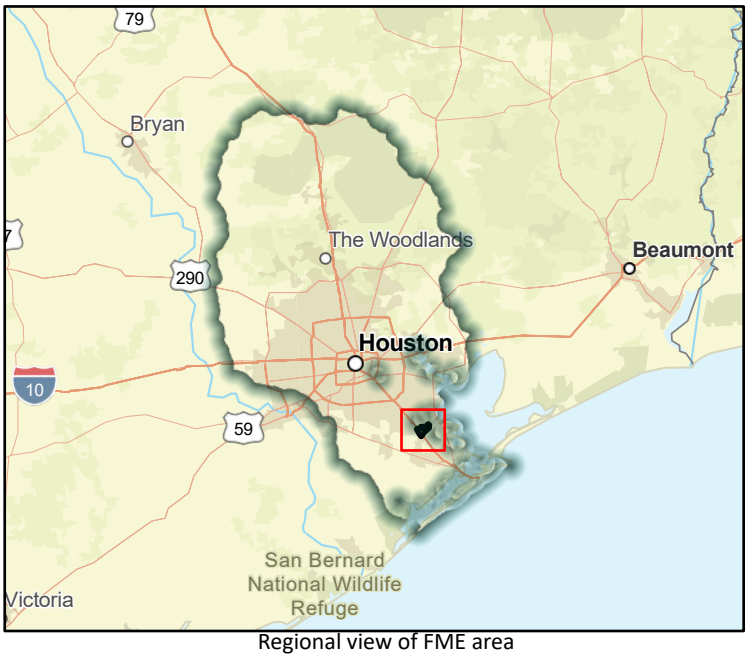
Total Cost: 5,000,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Interurban Watershed Drainage Improvement Project

ID#: 061000547

Sponsor (name of entity, not person): 06003147

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Project would widen Interurban Ditch by approximately 10' starting at FM 518 and extending upstream for approximately 2,000 linear feet. A 10 to 12 acre-feet detention pond downstream of FM 518 will need to be constructed to mitigate.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000106, 06000107

Drainage area (Square miles, est.): 1.12

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 31

# of structures: 6

Critical facilities: 2

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.04

Roadway(s) impacted (length): 0.95

Number of low water crossings: 0

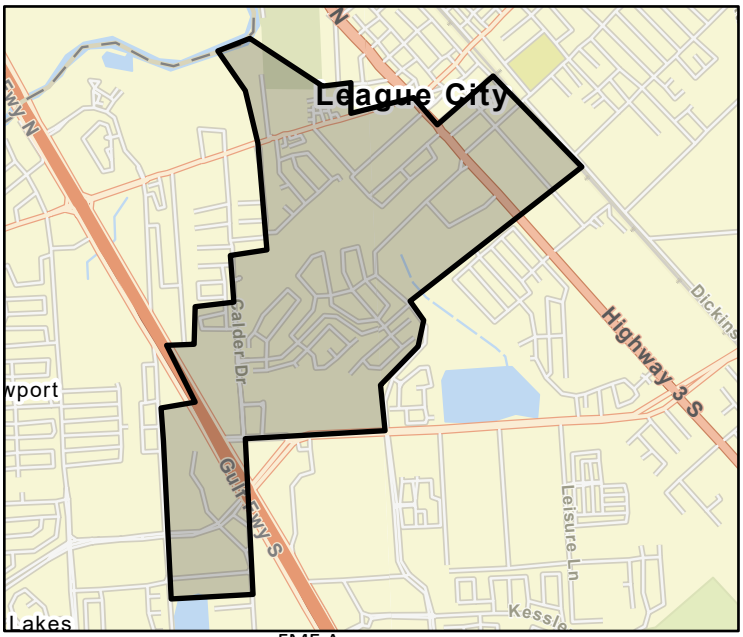
Historical road closures: 0

Estimated Cost and Funding Availability

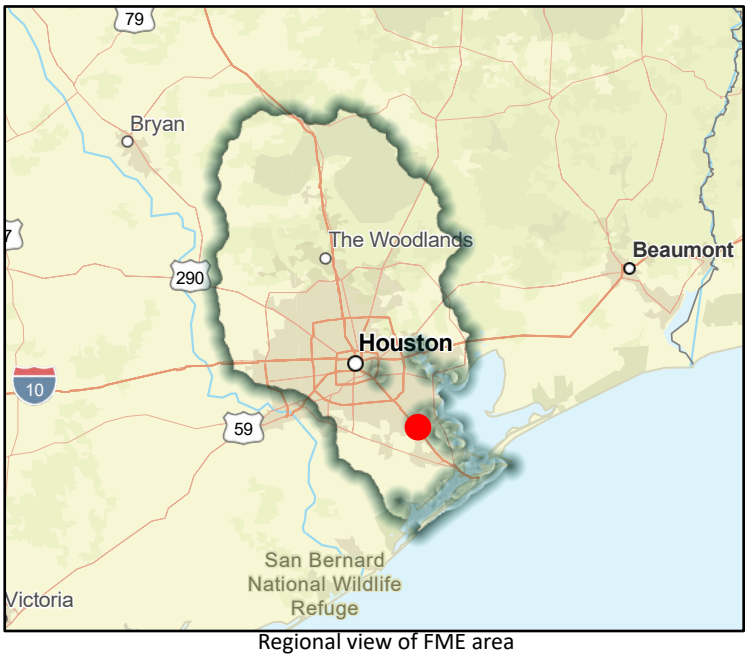
Total Cost: 700,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Patton Subdivision Drainage Improvements Project

ID#: 061000548

Sponsor (name of entity, not person): 06003147

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Evaluation of storm sewer improvements along Sanders St., West Wilkins St., and Interurban St. The storm sewer would discharge into an approximate 40 ac-ft new detention pond along W. Galveston/W. Wilkins before discharging into Interurban Ditch.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000106, 06000107

Drainage area (Square miles, est.): 1.12

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 31

# of structures: 6

Critical facilities: 2

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 0.04

Roadway(s) impacted (length): 0.95

Number of low water crossings: 0

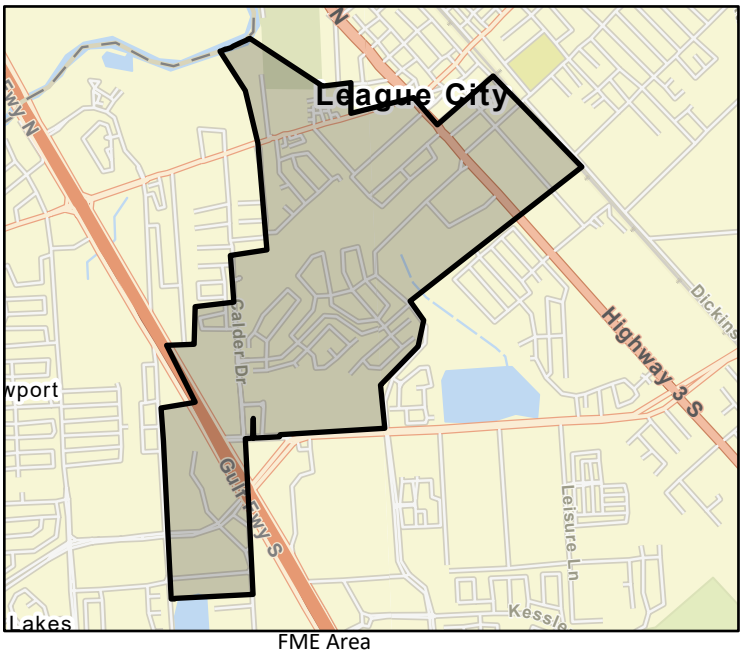
Historical road closures: 0

Estimated Cost and Funding Availability

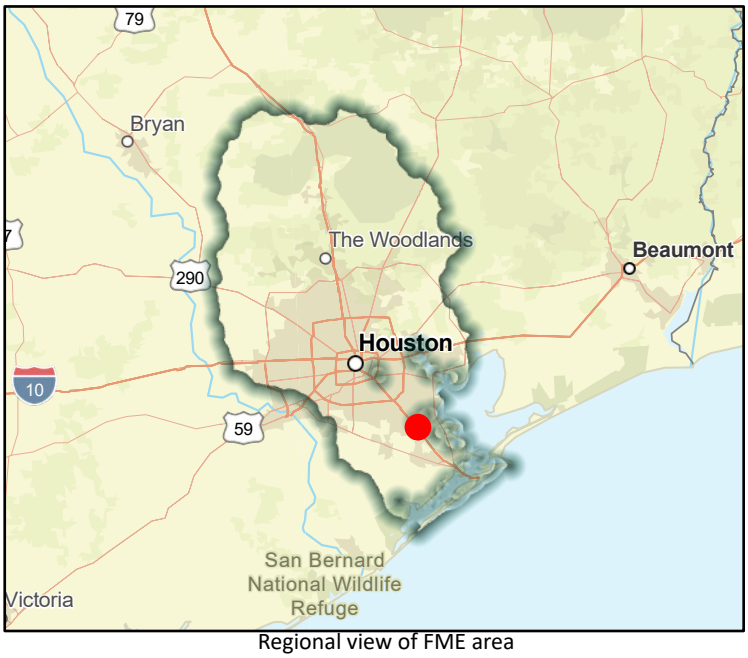
Total Cost: 700,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title St. Charles Street Drainage Improvements Project

ID# 061000551

Sponsor (name of entity, not person) 06003147

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further analysis of proposed storm sewer improvements to St Charles Street and evaluation of detention.

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No

County Galveston Watershed HUC# (if known) 06000106, 06000107

Drainage area (Square miles, est.) 5.13 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 1,168 # of structures 240 Critical facilities 2

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

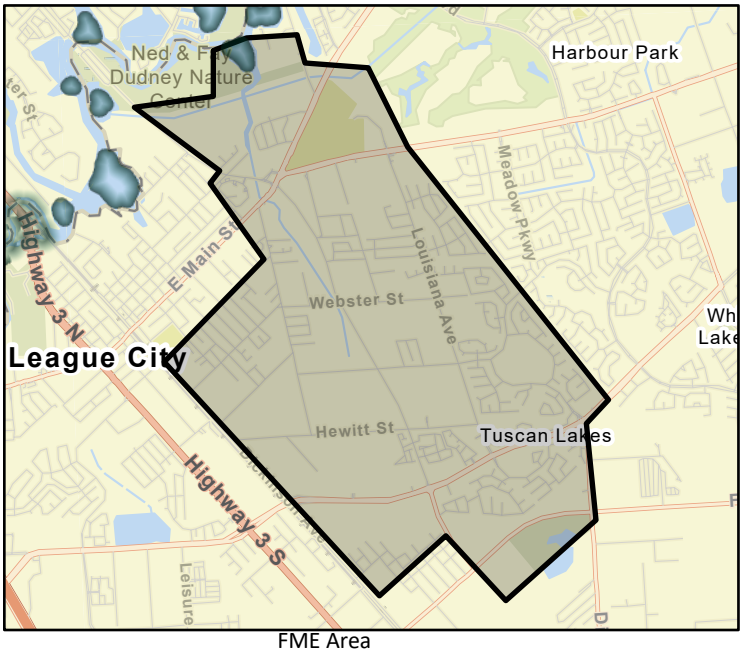
Farm/Ranch land impacted (acres) 1.75 Roadway(s) impacted (length) 3.10

Number of low water crossings 0 Historical road closures 0

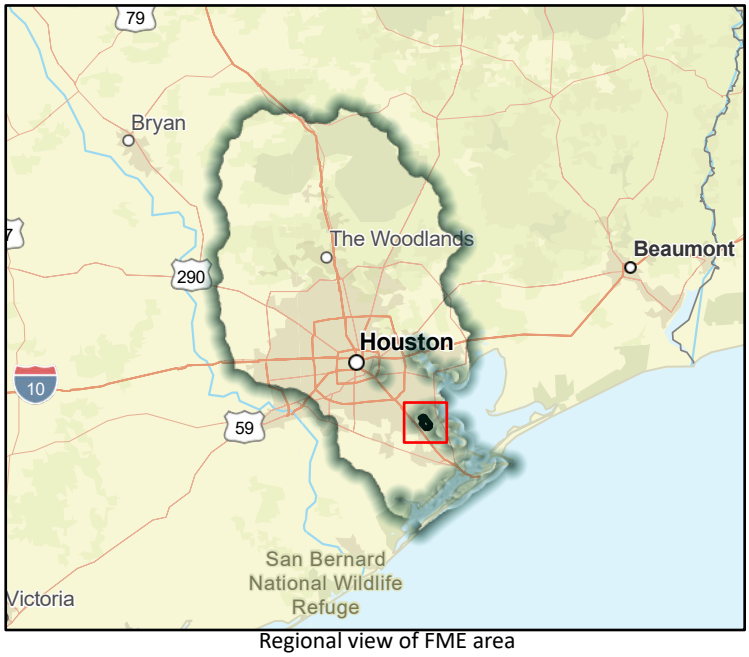
Estimated Cost and Funding Availability

Total Cost 50,000.00 Amount of Available Funding

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Columbia Memorial Parkway Drainage Improvement Project

ID#: 061000552

Sponsor (name of entity, not person): 06003147

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: A detailed drainage analysis is needed to confirm storm sewer sizes and if detention would be needed. Project would replace roadside ditches with a curb and gutter system.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Galveston

Watershed HUC# (if known): 06000106, 06000107

Drainage area (Square miles, est.): 4.44

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,734

# of structures: 1,016

Critical facilities: 4

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 3.03

Roadway(s) impacted (length): 21.62

Number of low water crossings: 0

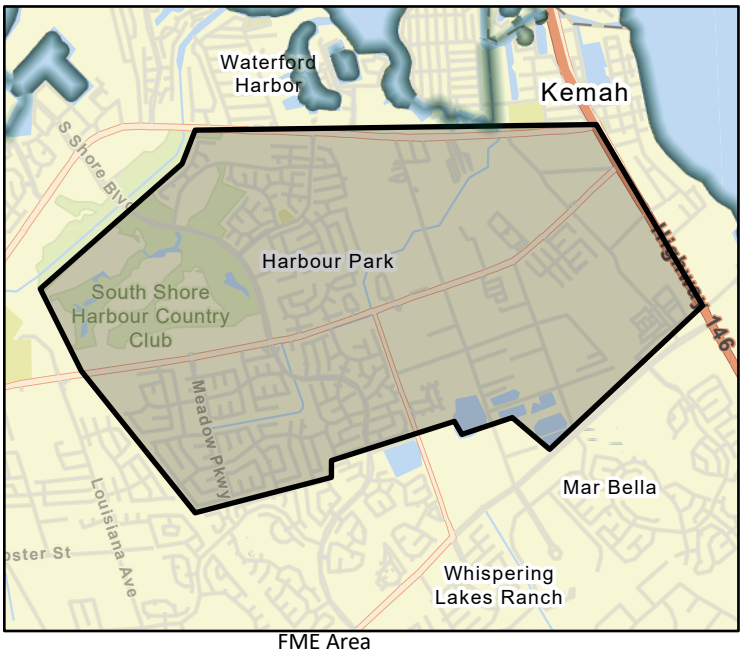
Historical road closures: 0

Estimated Cost and Funding Availability

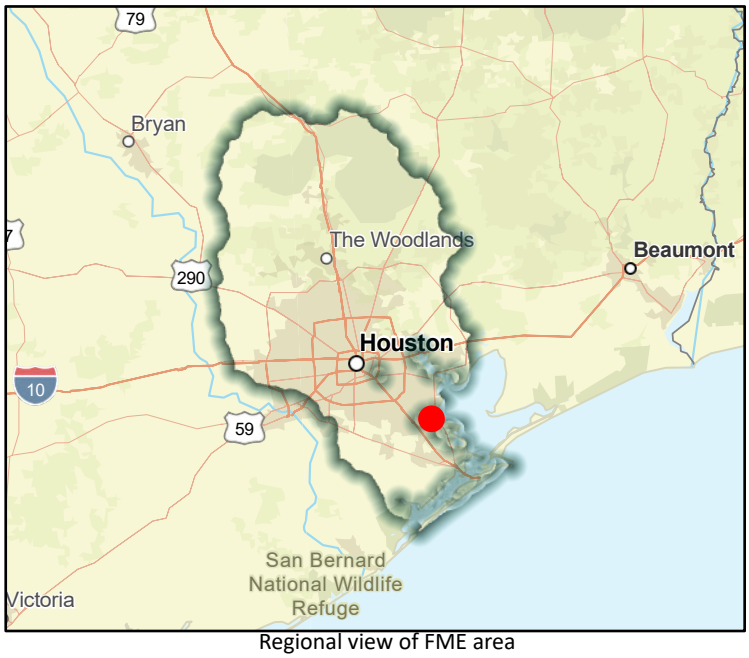
Total Cost: 100,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Magnolia Creek & Cedar Gully Clearing and Desnagging Project

ID#: 061000553

Sponsor (name of entity, not person): 06003147

RFPG recommend? Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Project would look at Magnolia Creek and Cedar Gully downstream of FM 518 and all work would be above the ordinary high water mark. Scope of work includes the removal of vegetation and/or Desnagging of the channels.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County: Galveston

Watershed HUC# (if known): 06000106, 06000107

Drainage area (Square miles, est.): 5.76

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,082

# of structures: 335

Critical facilities: 3

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 2.40

Roadway(s) impacted (length): 3.91

Number of low water crossings: 0

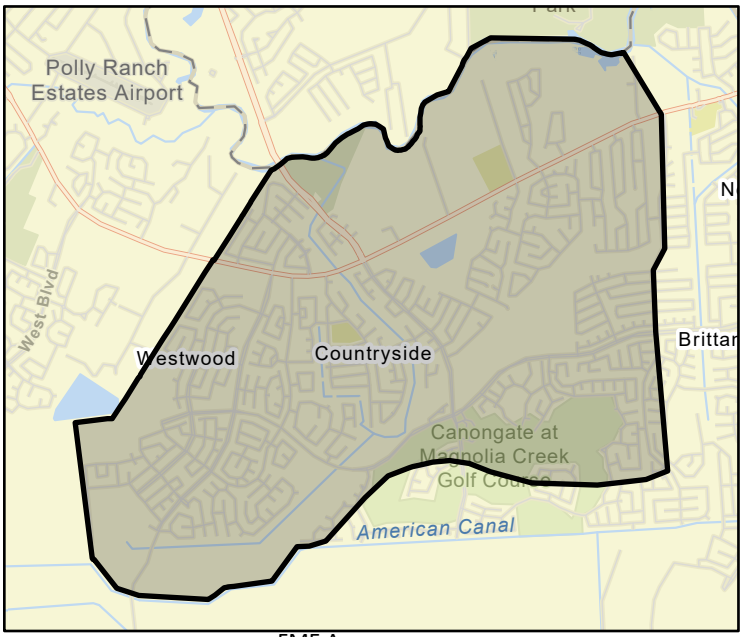
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 150,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Texas Avenue-Magnolia-MedicalCenterBlvd-Hwy3 Drainage Improvement Study

ID#: 061000554

Sponsor (name of entity, not person): 06003306

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Evaluate existing flood risk in a portion of the city bounded by Magnolia St, Texas Avenue, Hwy3, and Medical Center Blvd. Identify solutions to mitigate flood risk in this area.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Harris

Watershed HUC# (if known): 06000106

Drainage area (Square miles, est.): 0.59

Goal(s): 06000001,06000010

100-Year Flood Risk Summary

Population at risk: 0

# of structures: 0

Critical facilities: 0

Flood risk type: Riverine?: No

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.03

Roadway(s) impacted (length): 0.02

Number of low water crossings: 0

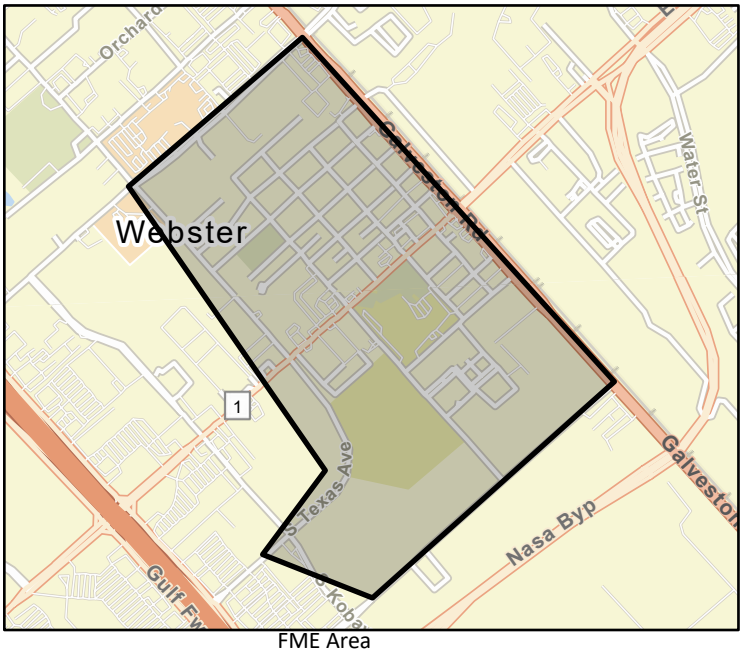
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 100,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: HCMUD365 Cole Crossing Stormwater Detention and Water Quality Improvement Project

ID#: 061000555

Sponsor (name of entity, not person): 06002039

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: PER to further study and design the incorporation of additional mitigation volume and SWQ features in the existing Cole Crossing detention pond along Cypress Creek.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000029, 06000030, 06000031, 06000042, 06000075, 06000078

Drainage area (Square miles, est.): 25.77

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,445

# of structures: 1,038

Critical facilities: 17

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 31.34

Roadway(s) impacted (length): 16.05

Number of low water crossings: 0

Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 100,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Brookshire-Katy Drainage District Watershed Study

ID#: 061000556

Sponsor (name of entity, not person): 00000474

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Study to expand on the recently completed existing conditions model assessment. Conduct a needs assessment and identify mitigation solutions (FMPs) to be incorporated into the flood plan.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Waller

Watershed HUC# (if known): 06000028, 06000071, 06000072, 06000073, 06000077

Drainage area (Square miles, est.): 76.77

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 594

# of structures: 217

Critical facilities: 2

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: Yes

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 522.13

Roadway(s) impacted (length): 6.64

Number of low water crossings: 2

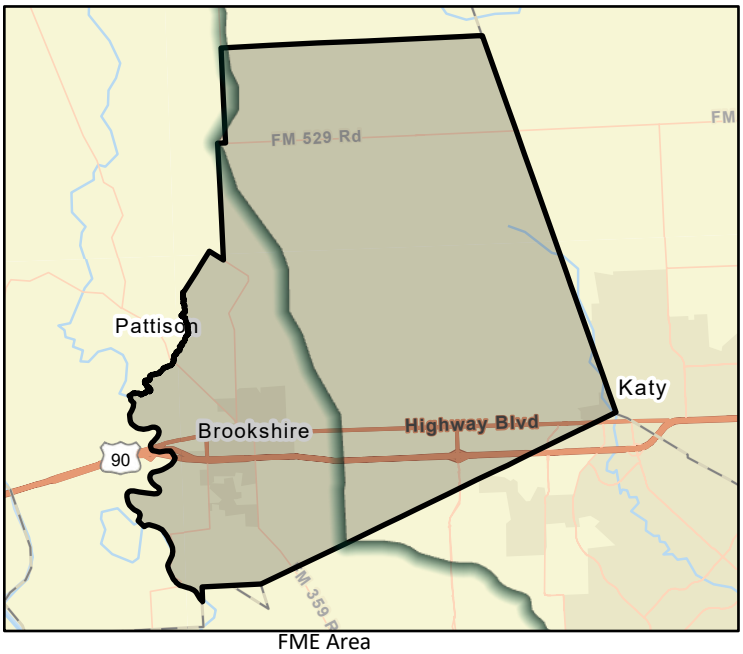
Historical road closures: 2

Estimated Cost and Funding Availability

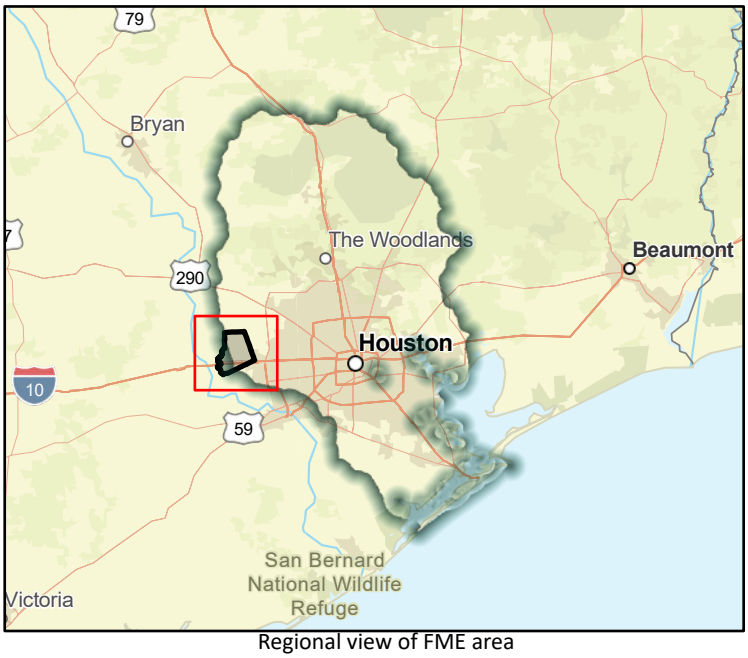
Total Cost: 500,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Drainage and Paving Improvements for Cottage Grove East - Phase I

ID#: 061000557

Sponsor (name of entity, not person): 00002853

RFPG recommend?: Yes

Reason for Recommendation: Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type: Project Planning

Study description: Phase 1 of storm drainage and street improvements bounded by IH-10W, White Oak Bayou, Durham Dr. and Shepherd Dr. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000081

Drainage area (Square miles, est.): 0.01

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 19

# of structures: 3

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.00

Roadway(s) impacted (length): 0.31

Number of low water crossings:

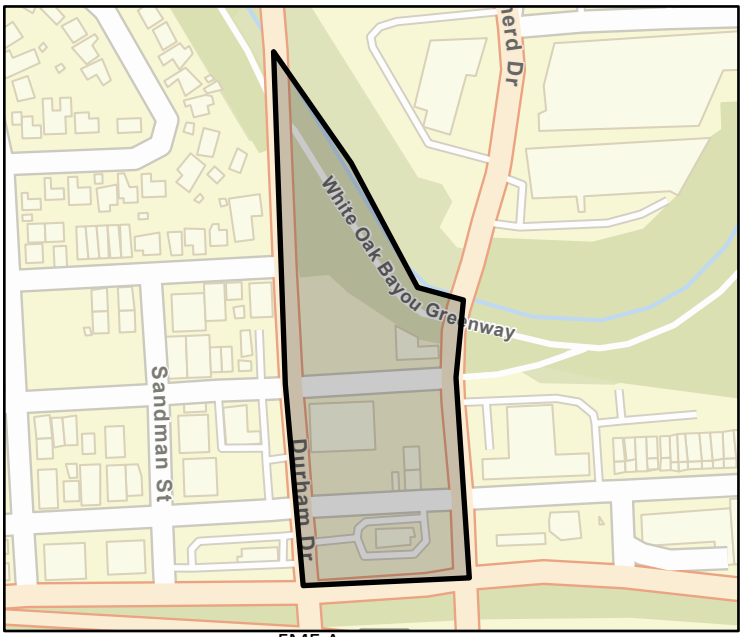
Historical road closures:

Estimated Cost and Funding Availability

Total Cost: 30,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Chambers County Sterling Drive Drainage Study

ID#: 061000560

Sponsor (name of entity, not person): 00000013

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Assess the existing utility and drainage infrastructure and develop a more effective solution to reduce flood risk for the residential development adjacent to Sterling Drive in Baytown.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Chambers

Watershed HUC# (if known): 06000103, 06000104

Drainage area (Square miles, est.): 0.05

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk:

# of structures:

Critical facilities:

Flood risk type: Riverine?: No Coastal?: No Local?: Yes Playa?: No Other?: No

Farm/Ranch land impacted (acres):

Roadway(s) impacted (length):

Number of low water crossings:

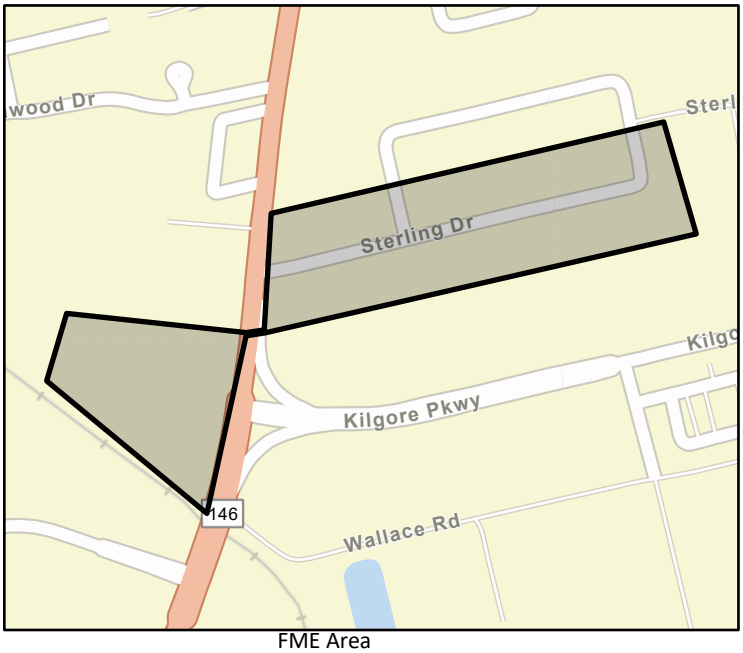
Historical road closures:

Estimated Cost and Funding Availability

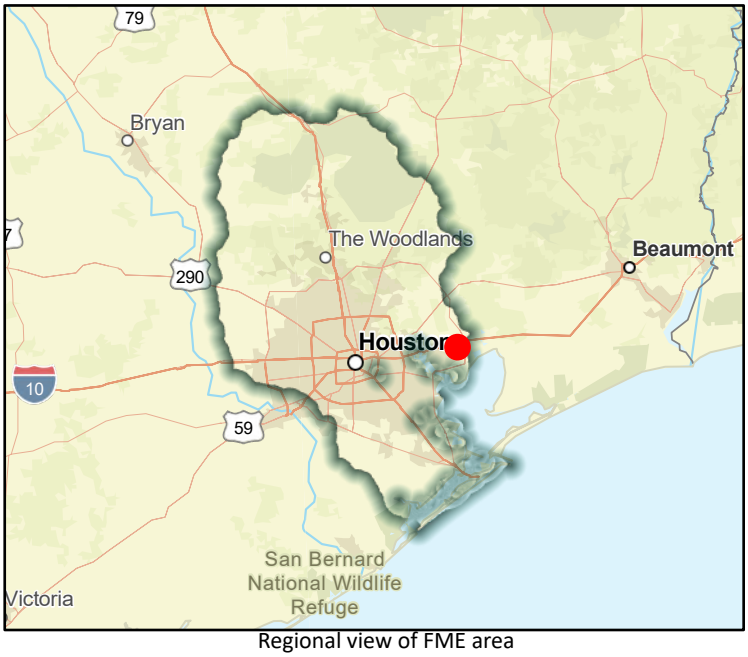
Total Cost: 85,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Chambers County Bayside Drive Tidal Surge Protection

ID#: 061000561

Sponsor (name of entity, not person): 00000013

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Analyze feasibility of constructing a seawall and implementing other improvements to protect residents from storm surge.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Chambers

Watershed HUC# (if known): 06000105

Drainage area (Square miles, est.): 0.10

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 30

# of structures: 19

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: Yes

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 5.08

Roadway(s) impacted (length): 0.50

Number of low water crossings:

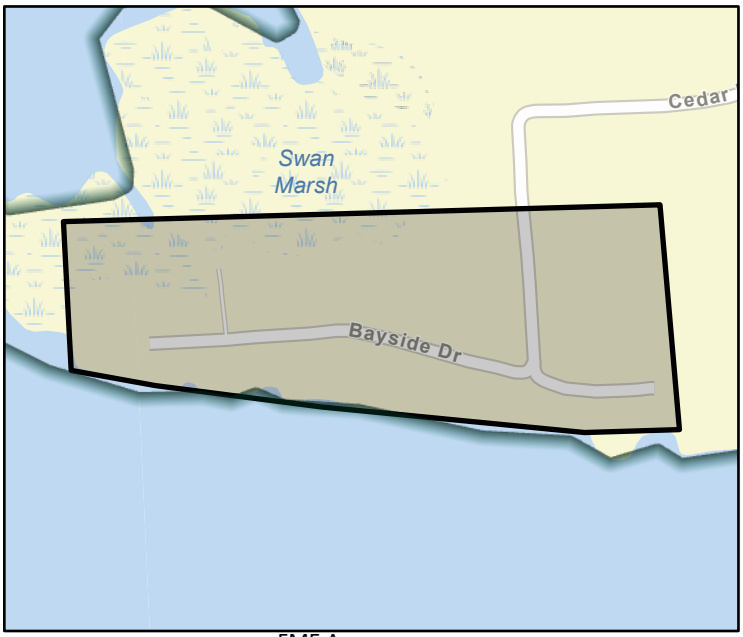
Historical road closures:

Estimated Cost and Funding Availability

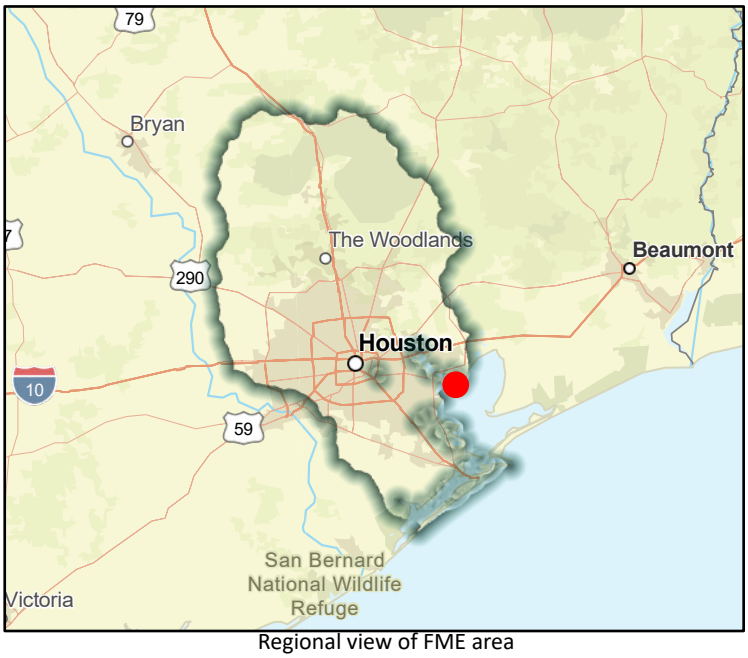
Total Cost: 127,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Armand Bayou Watershed Study

ID#: 061000596

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000095, 06000098, 06000106

Drainage area (Square miles, est.): 58.40

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 19,335

# of structures: 2,811

Critical facilities: 45

Flood risk type: Riverine?: Yes

Coastal?: Yes

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 44.26

Roadway(s) impacted (length): 57.94

Number of low water crossings: 4

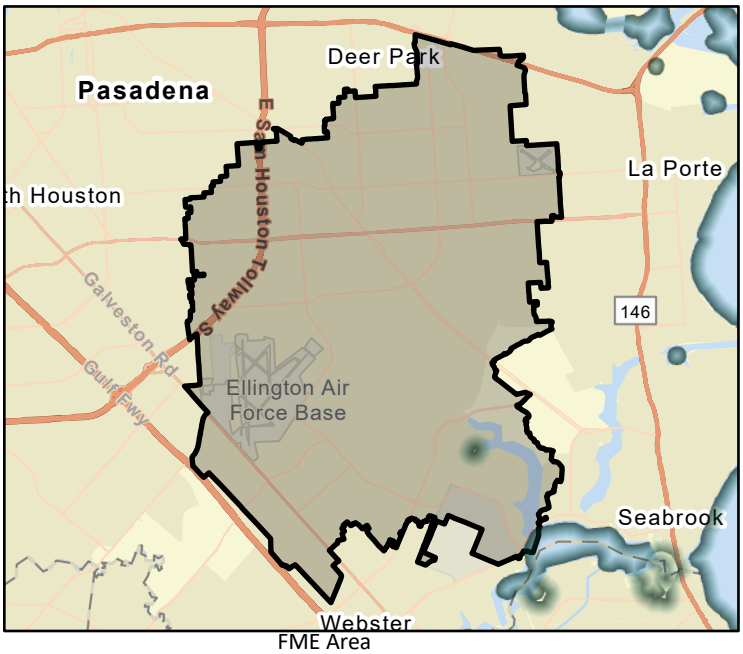
Historical road closures: 4

Estimated Cost and Funding Availability

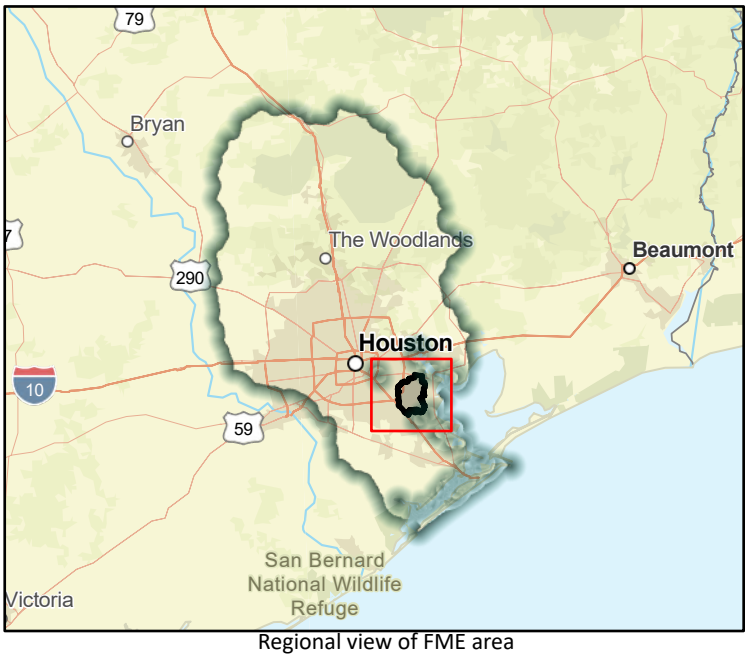
Total Cost: 675,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Clear Creek Watershed Study

ID#: 061000597

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Brazoria, Galveston, Fort Bend, Chambers,

Watershed HUC# (if known): 06000086, 06000085, 06000107, 06000109, 06000106

Drainage area (Square miles, est.): 199.72

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 121,407

# of structures: 27,212

Critical facilities: 239

Flood risk type: Riverine?: Yes

Coastal?: Yes

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 528.10

Roadway(s) impacted (length): 462.41

Number of low water crossings: 12

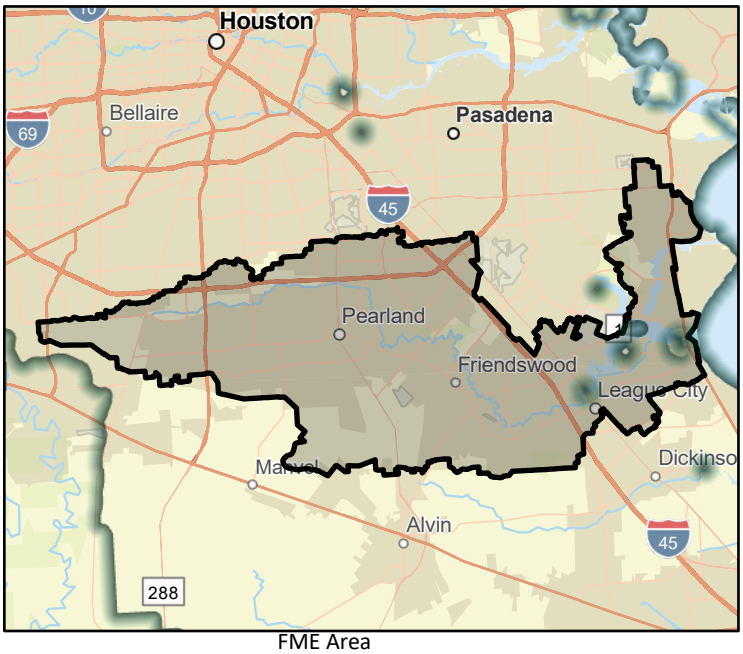
Historical road closures: 12

Estimated Cost and Funding Availability

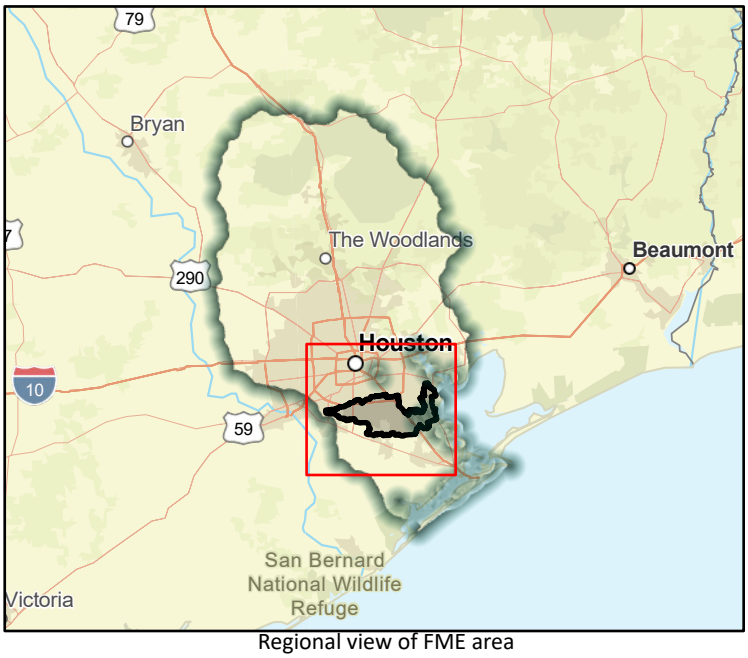
Total Cost: 844,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Carpenters Bayou Watershed Study

ID#: 061000598

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000025, 06000091, 06000095, 06000097, 06000094, 06000092,

Drainage area (Square miles, est.): 29.38

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 4,754

# of structures: 836

Critical facilities: 24

Flood risk type: Riverine?: Yes

Coastal?: Yes

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 101.10

Roadway(s) impacted (length): 19.31

Number of low water crossings: 2

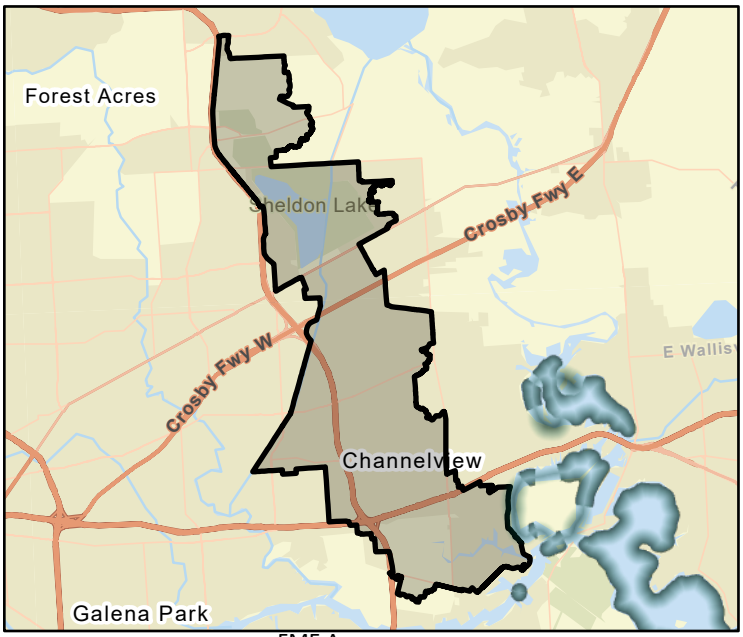
Historical road closures: 2

Estimated Cost and Funding Availability

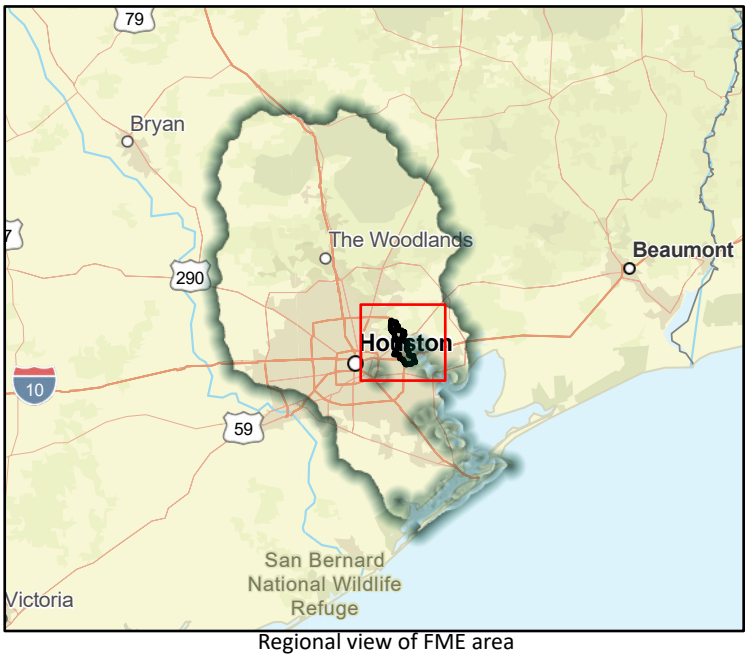
Total Cost: 422,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Halls Bayou Watershed Study

ID#: 061000599

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000091, 06000087, 06000079, 06000090, 06000092, 06000081,

Drainage area (Square miles, est.): 44.78

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 43,474

# of structures: 12,474

Critical facilities: 98

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 9.60

Roadway(s) impacted (length): 122.49

Number of low water crossings: 7

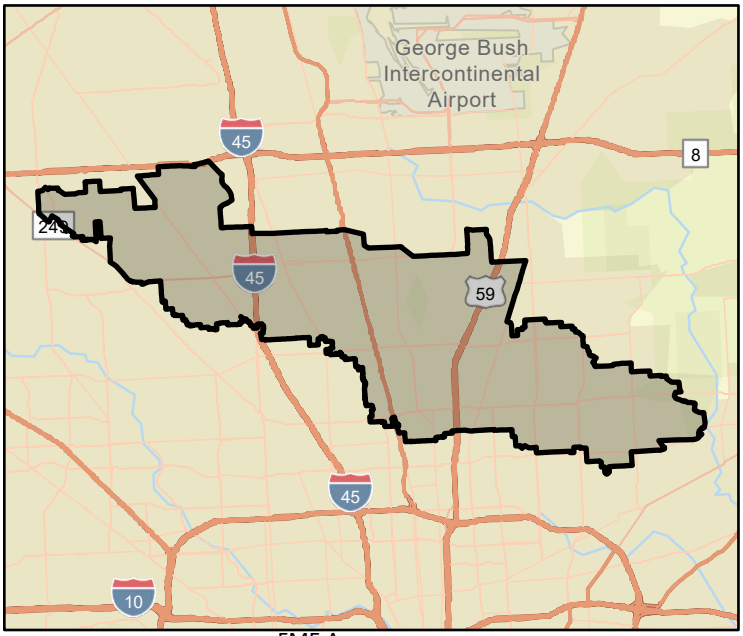
Historical road closures: 7

Estimated Cost and Funding Availability

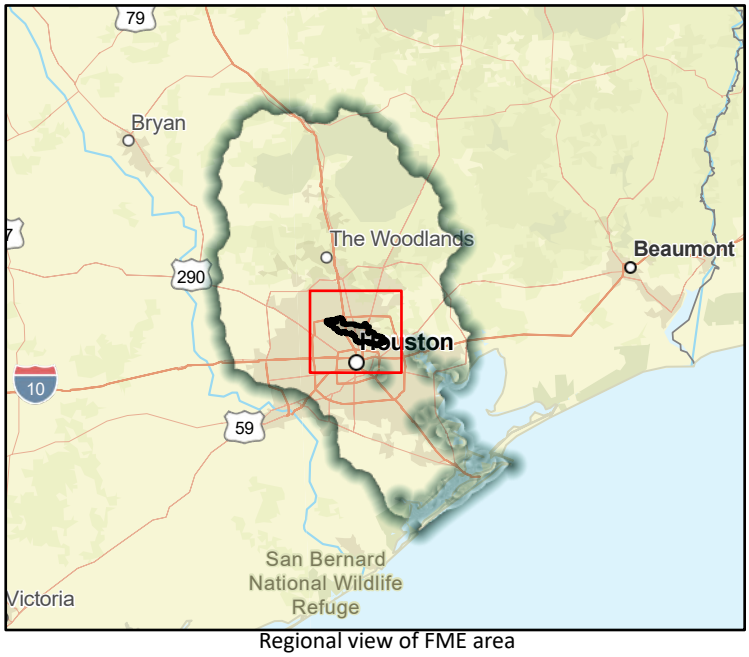
Total Cost: 507,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Jackson Bayou Watershed Study

ID#: 061000600

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000025, 06000096, 06000102, 06000101, 06000100

Drainage area (Square miles, est.): 26.15

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,075

# of structures: 396

Critical facilities: 9

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 97.62

Roadway(s) impacted (length): 3.47

Number of low water crossings: 0

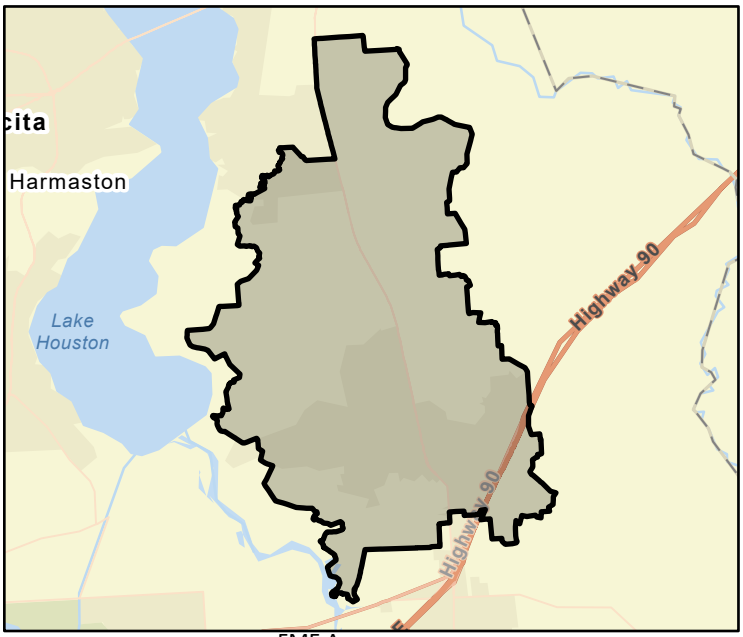
Historical road closures: 0

Estimated Cost and Funding Availability

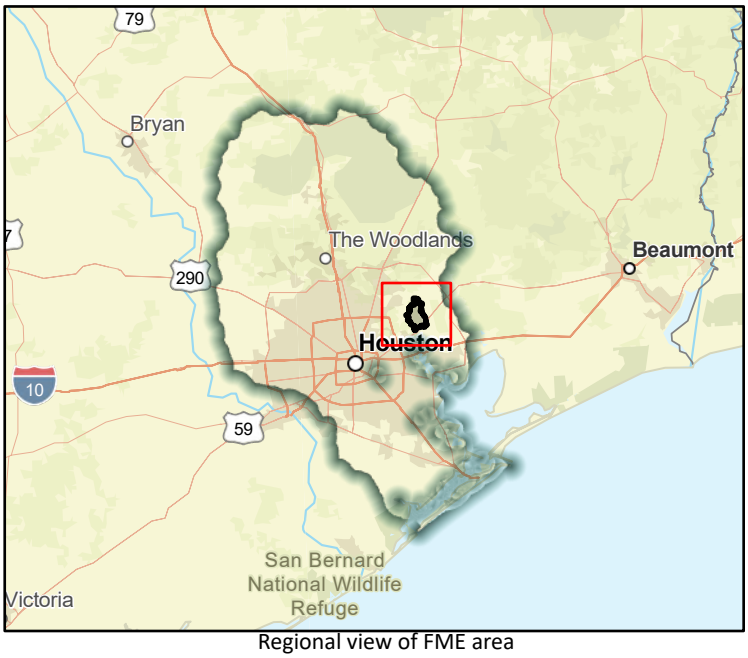
Total Cost: 422,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Little Cypress Creek Watershed Study

ID#: 061000601

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000028, 06000029, 06000031, 06000026, 06000030, 06000033,

Drainage area (Square miles, est.): 54.03

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,936

# of structures: 1,219

Critical facilities: 14

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 191.87

Roadway(s) impacted (length): 18.73

Number of low water crossings: 4

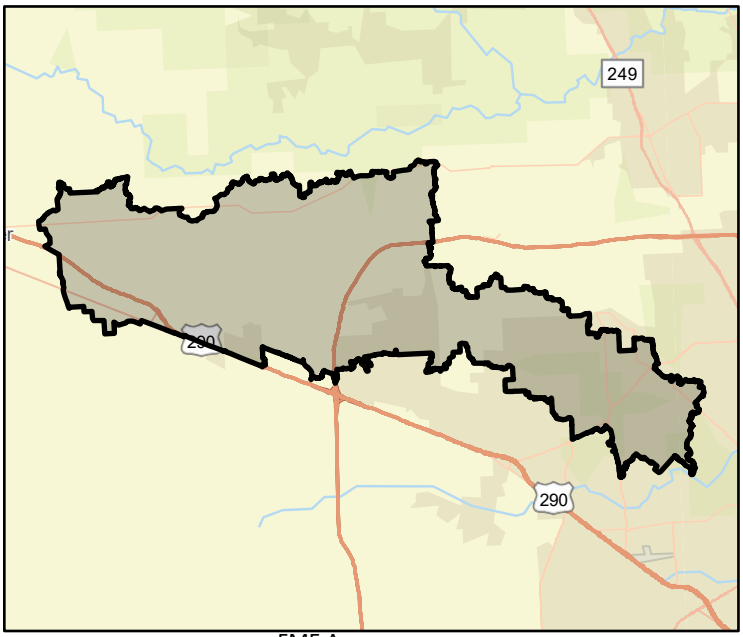
Historical road closures: 4

Estimated Cost and Funding Availability

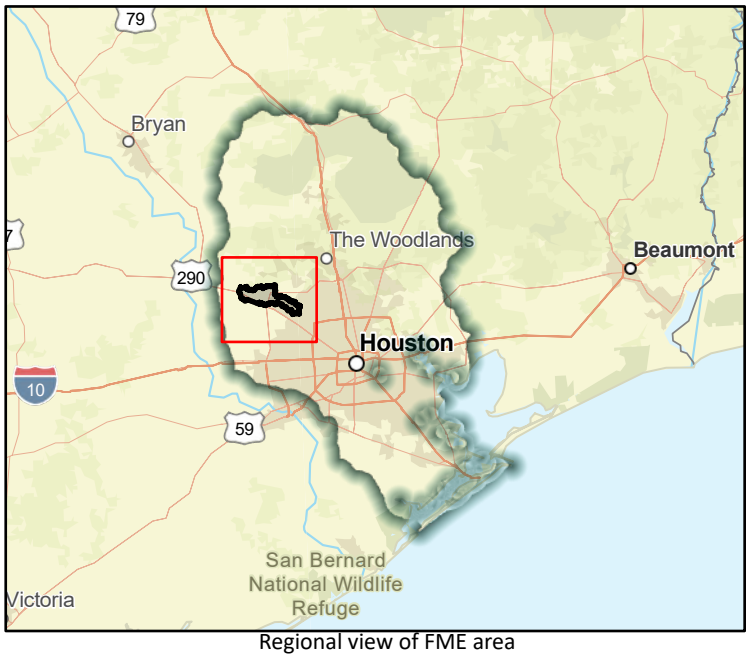
Total Cost: 507,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Luce Bayou Watershed Study

ID#: 061000602

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris, Liberty, San Jacinto

Watershed HUC# (if known): 06000024, 06000056, 06000060, 06000070, 06000058, 06000059,

Drainage area (Square miles, est.): 220.61

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2,753

# of structures: 1,983

Critical facilities: 6

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 248.91

Roadway(s) impacted (length): 91.02

Number of low water crossings: 6

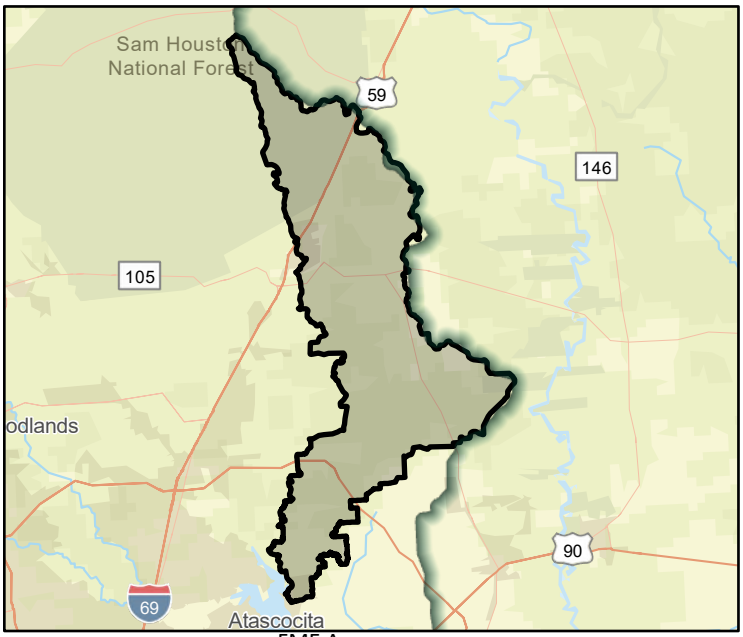
Historical road closures: 6

Estimated Cost and Funding Availability

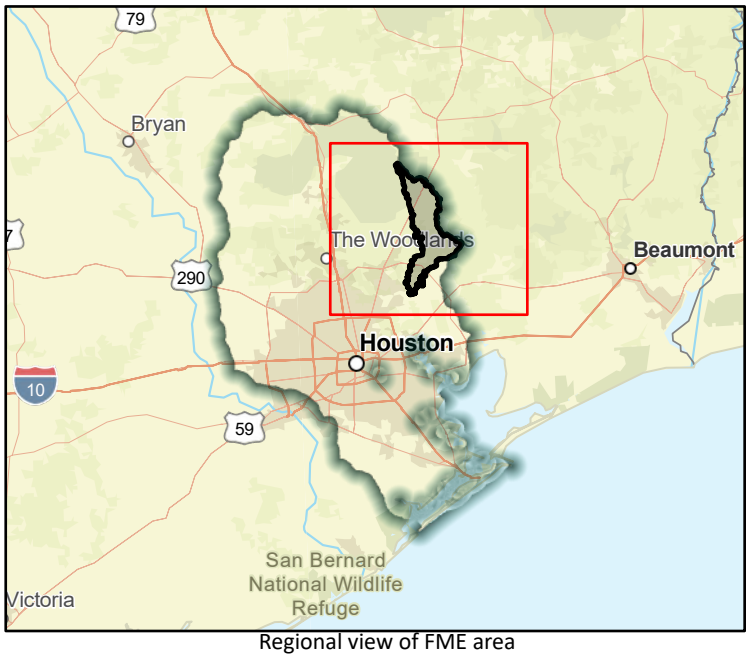
Total Cost: 675,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: San Jacinto and Galveston Bay Watershed Study

ID#: 061000603

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Chambers, Harris

Watershed HUC# (if known): 06000098, 06000106

Drainage area (Square miles, est.): 19.09

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 14,150

# of structures: 3,301

Critical facilities: 107

Flood risk type: Riverine?: Yes

Coastal?: Yes

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 17.82

Roadway(s) impacted (length): 55.06

Number of low water crossings: 0

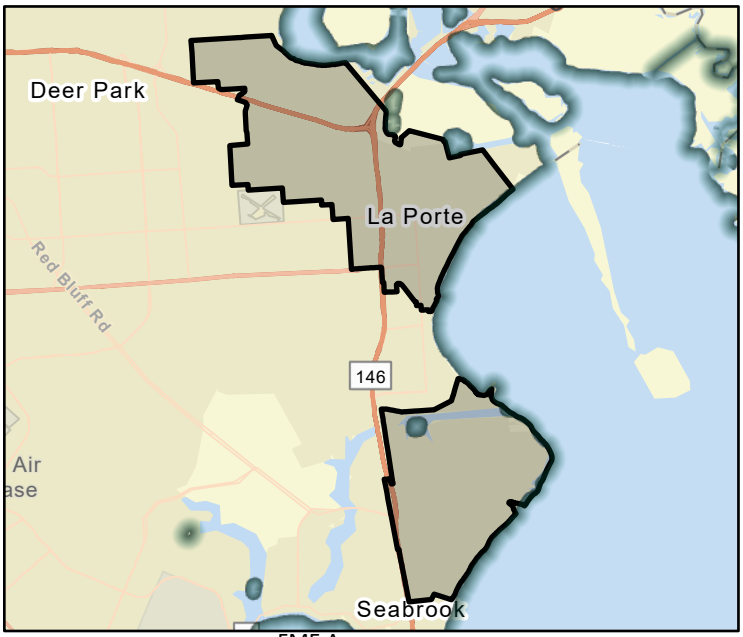
Historical road closures: 0

Estimated Cost and Funding Availability

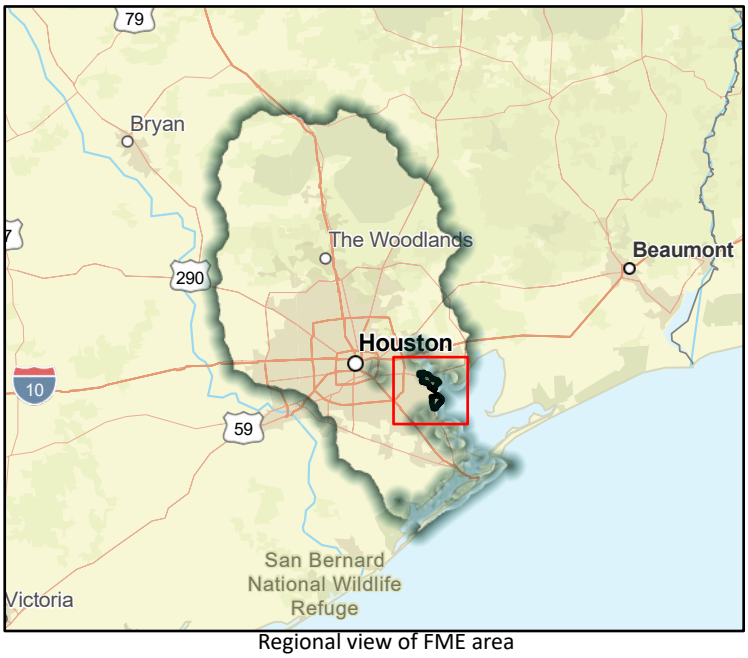
Total Cost: 422,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: San Jacinto River Watershed Study

ID#: 061000604

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Chambers, Harris, Liberty, Montgomery

Watershed HUC# (if known): 06000025, 06000024, 06000023, 06000045, 06000055, 06000050,

Drainage area (Square miles, est.): 245.73

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 44,939

# of structures: 8,975

Critical facilities: 310

Flood risk type: Riverine?: Yes

Coastal?: Yes

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 465.99

Roadway(s) impacted (length): 213.70

Number of low water crossings: 5

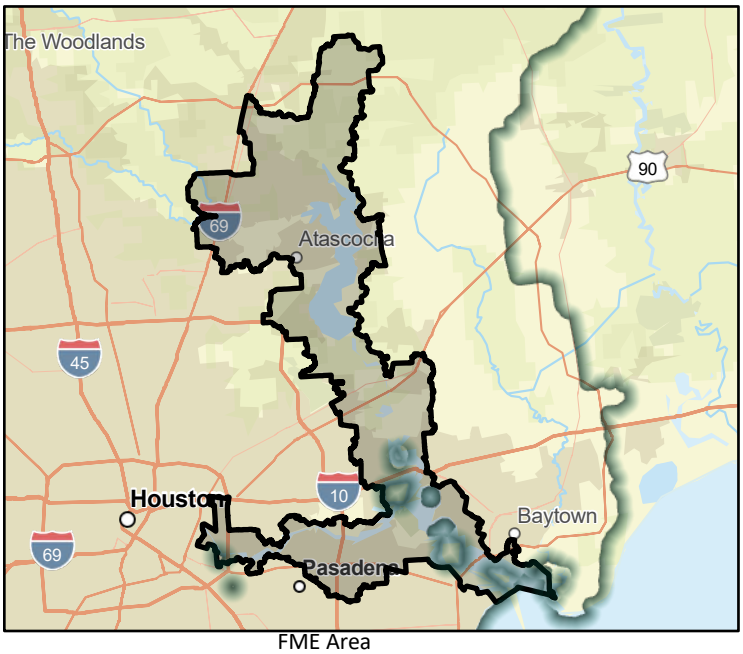
Historical road closures: 5

Estimated Cost and Funding Availability

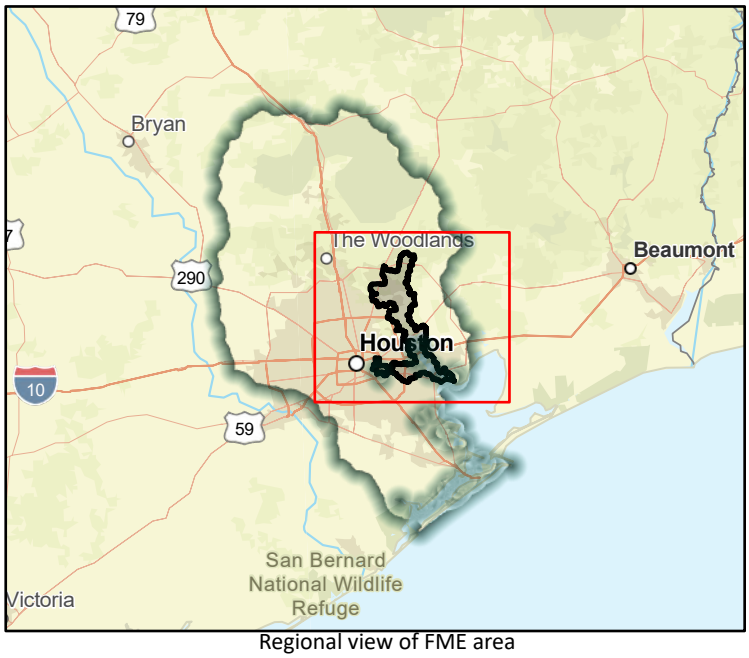
Total Cost: 1,013,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Spring Creek Watershed Study

ID#: 061000605

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris, Waller, Montgomery, Grimes

Watershed HUC# (if known):

Drainage area (Square miles, est.): 390.70

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 23,818

# of structures: 4,202

Critical facilities: 44

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 233.13

Roadway(s) impacted (length): 106.51

Number of low water crossings: 27

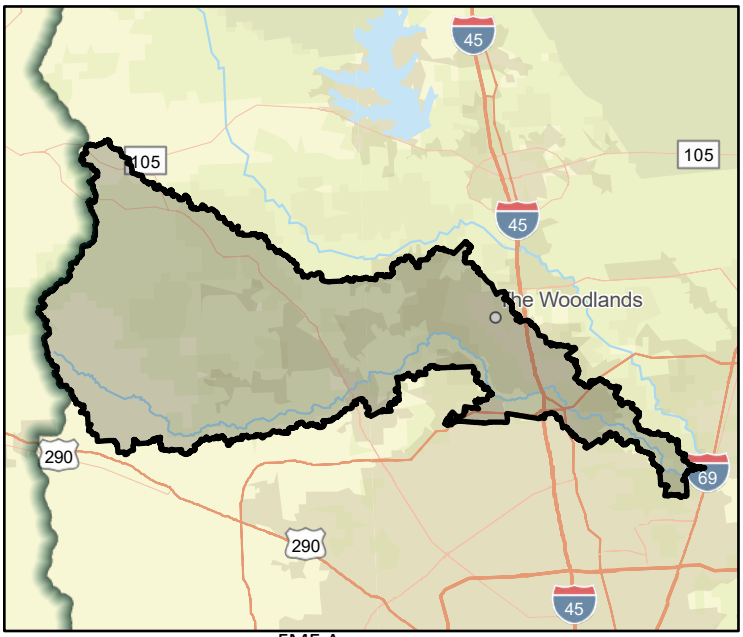
Historical road closures: 27

Estimated Cost and Funding Availability

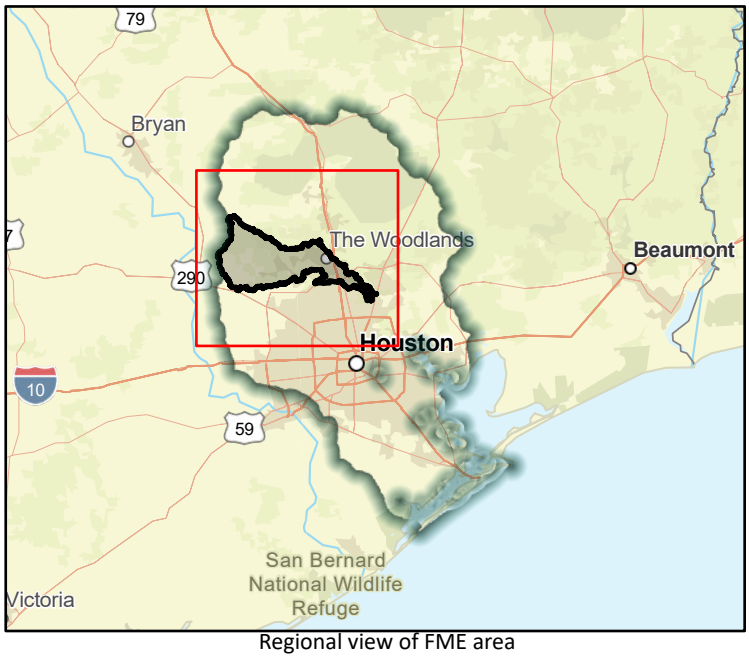
Total Cost: 760,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Spring Gully and Goose Creek Watershed Study

ID#: 061000606

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000097, 06000098, 06000096, 06000102, 06000104

Drainage area (Square miles, est.): 34.02

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 9,370

# of structures: 1,882

Critical facilities: 64

Flood risk type: Riverine?: Yes

Coastal?: Yes

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 73.13

Roadway(s) impacted (length): 32.82

Number of low water crossings: 1

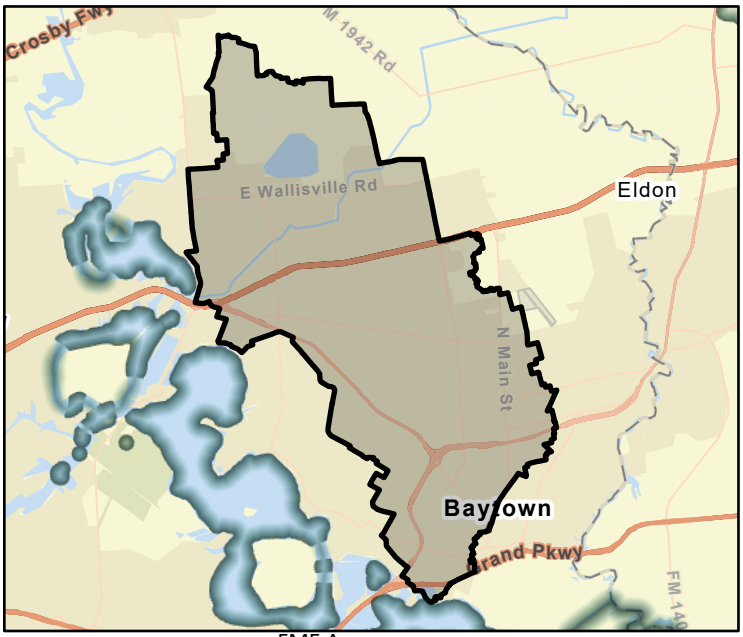
Historical road closures: 1

Estimated Cost and Funding Availability

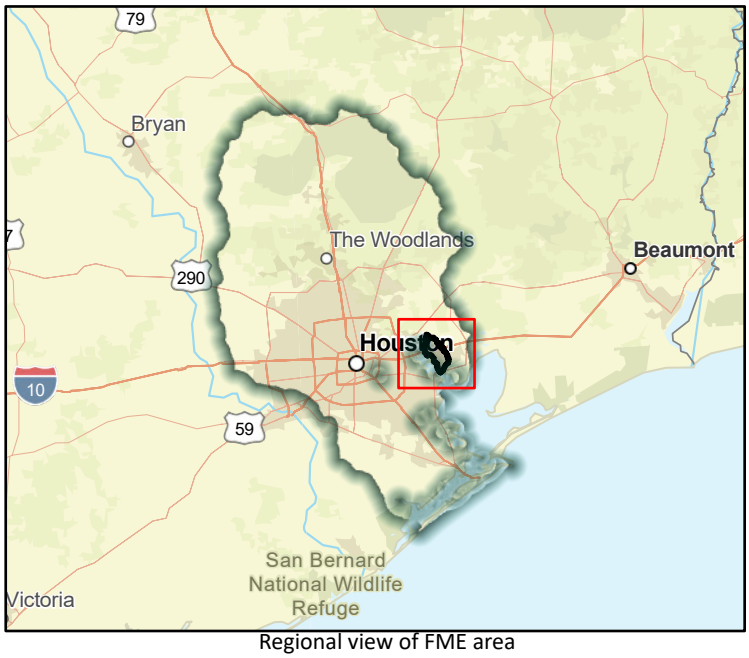
Total Cost: 422,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Vince Bayou Watershed Study

ID#: 061000607

Sponsor (name of entity, not person): 00000310

RFPG recommend? Yes | Reason for Recommendation: Pending Approval in March

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project

New Hydrologic or Hydraulic model? Yes | Emergency Need? Yes | Existing/Anticipated models in near term? Yes

County: Harris | Watershed HUC# (if known): 06000095, 06000086, 06000106

Drainage area (Square miles, est.): 15.93 | Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 6,452 | # of structures: 1,133 | Critical facilities: 11

Flood risk type: Riverine? Yes | Coastal? Yes | Local? No | Playa? No | Other? No

Farm/Ranch land impacted (acres): 1.84 | Roadway(s) impacted (length): 18.56

Number of low water crossings: 1 | Historical road closures: 1

Estimated Cost and Funding Availability

Total Cost: 422,000.00 | Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Willow Creek Watershed Study

ID#: 061000608

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Watershed Planning

Study description: Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris, Montgomery

Watershed HUC# (if known): 06000031, 06000030, 06000037, 06000042, 06000041, 06000044

Drainage area (Square miles, est.): 51.08

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 3,104

# of structures: 1,302

Critical facilities: 7

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 67.02

Roadway(s) impacted (length): 35.52

Number of low water crossings: 8

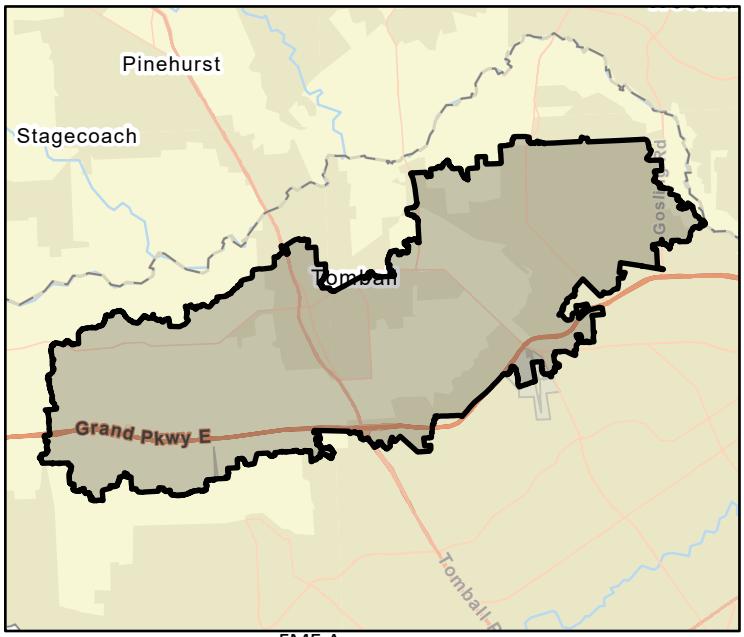
Historical road closures: 8

Estimated Cost and Funding Availability

Total Cost: 507,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Feasibility Study of the H103-05-00 Subwatershed in City of Jacinto City

ID#: 061000612

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Feasibility Study for H103-05-00 Project in City of Jacinto City

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000093

Drainage area (Square miles, est.): 2.07

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 9,774

# of structures: 290

Critical facilities: 1

Flood risk type: Riverine?: Yes

Coastal?: Yes

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.66

Roadway(s) impacted (length): 10.41

Number of low water crossings: 2

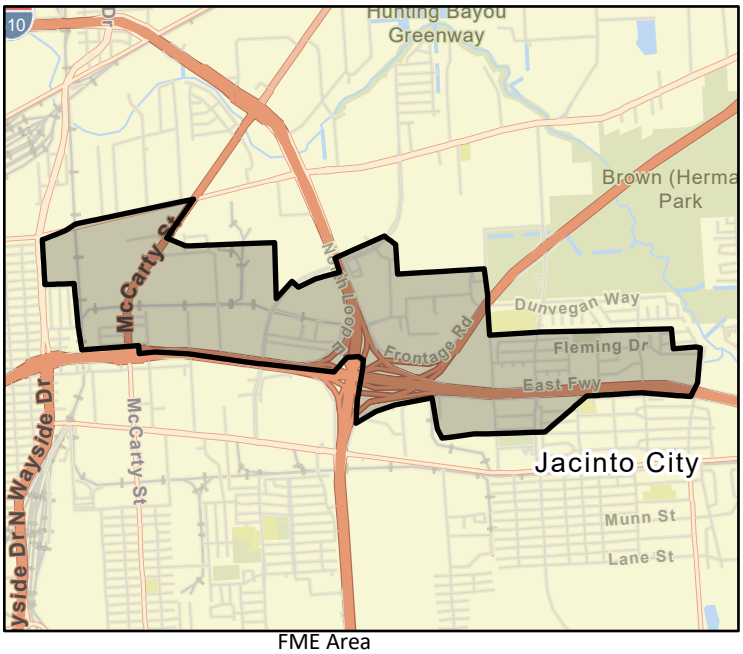
Historical road closures: 2

Estimated Cost and Funding Availability

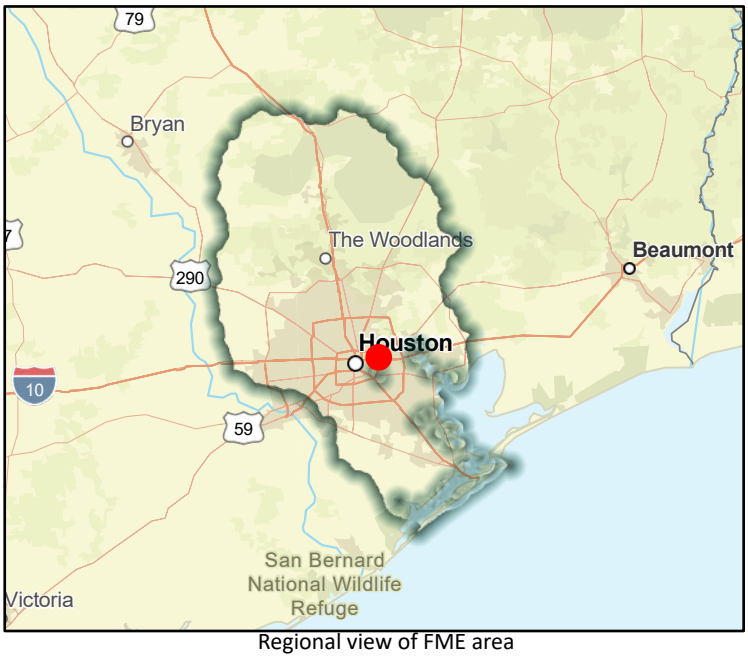
Total Cost: 169,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Feasibility Study for Tributary E118-00-00

ID#: 061000613

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Feasibility Study for Tributary E118-00-00

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000079, 06000081

Drainage area (Square miles, est.): 2.33

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 328

# of structures: 123

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 3.57

Roadway(s) impacted (length): 2.30

Number of low water crossings:

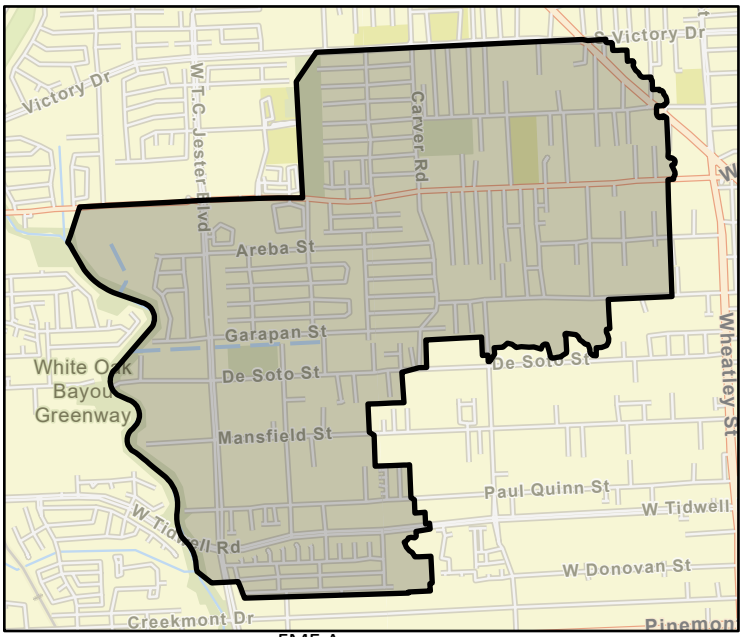
Historical road closures:

Estimated Cost and Funding Availability

Total Cost: 254,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Feasibility Study for Little Vince Bayou I101-00-00 in Pasadena

ID#: 061000614

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Feasibility Study for Little Vince Bayou I101-00-00 in Pasadena

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000095, 06000106

Drainage area (Square miles, est.): 5.37

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 381

# of structures: 22

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: Yes

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.19

Roadway(s) impacted (length): 0.98

Number of low water crossings: 0

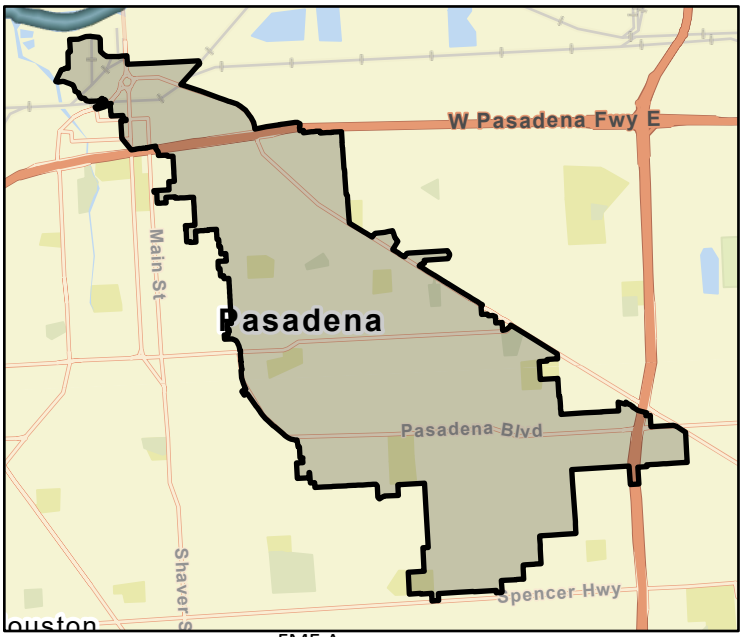
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 338,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title H103-00-00 Denver Harbor Area Project

ID# 061000615

Sponsor (name of entity, not person) 00000310

RFPG recommend? Yes Reason for Recommendation Pending Approval in March

Study Details

Study type Project Planning

Study description A study of the upstream end of H103-00-00 in the Denver Harbor area

New Hydrologic or Hydraulic model? Yes Emergency Need? Yes Existing/Anticipated models in near term? Yes

County Harris Watershed HUC# (if known) 06000093

Drainage area (Square miles, est.) 1.41 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 8,581 # of structures 36 Critical facilities 0

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? No

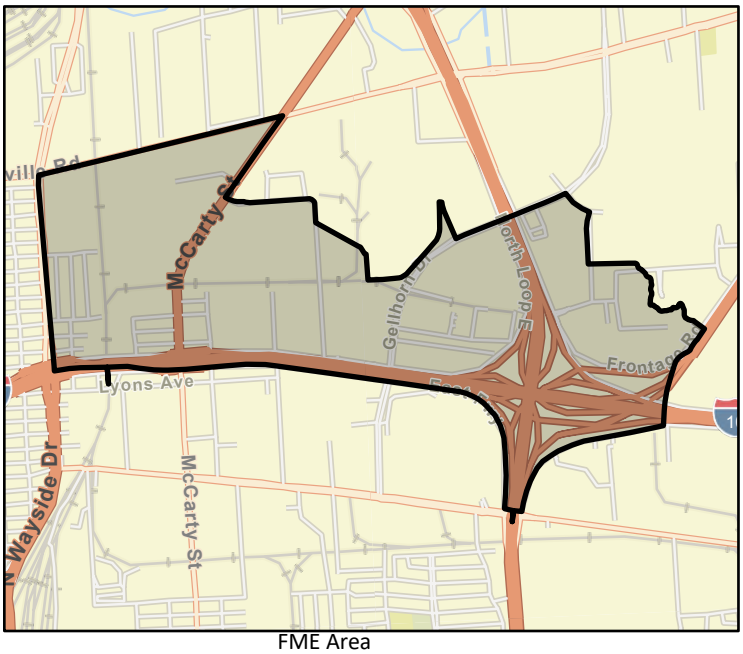
Farm/Ranch land impacted (acres) 0.66 Roadway(s) impacted (length) 6.80

Number of low water crossings 2 Historical road closures 2

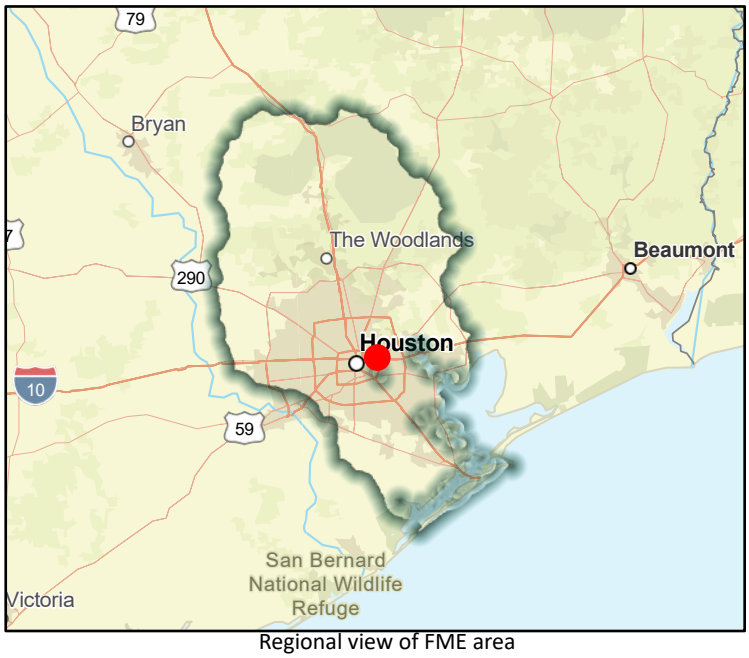
Estimated Cost and Funding Availability

Total Cost 254,000.00 Amount of Available Funding

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Cedar Bayou Overflow and Channel Diversion Study

ID#: 061000616

Sponsor (name of entity, not person): 00000310

RFPG recommend? Yes | Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Cedar Bayou Overflow and Channel Diversion Study for defining flood risk ad mitigation alternative

New Hydrologic or Hydraulic model? Yes | Emergency Need? Yes | Existing/Anticipated models in near term? Yes

County: Harris, Liberty | Watershed HUC# (if known): 06000025, 06000024, 06000060, 06000100, 06000099

Drainage area (Square miles, est.): 33.38 | Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 3,252 | # of structures: 561 | Critical facilities: 22

Flood risk type: Riverine? Yes | Coastal? No | Local? No | Playa? No | Other? No

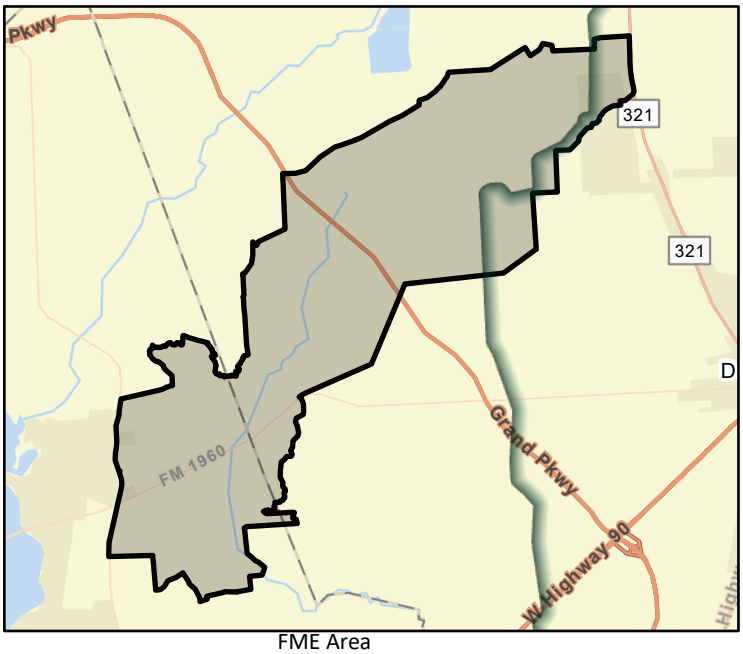
Farm/Ranch land impacted (acres): 1,005.83 | Roadway(s) impacted (length): 15.82

Number of low water crossings: 0 | Historical road closures: 0

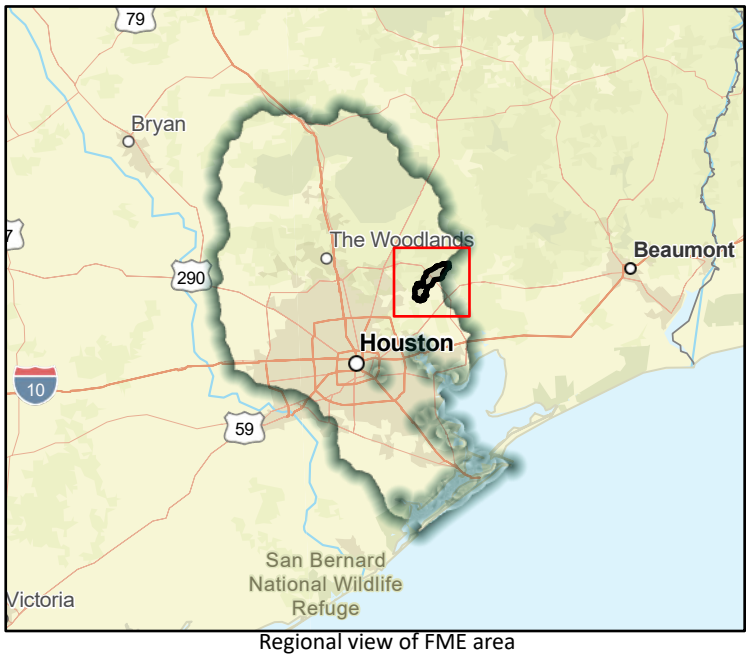
Estimated Cost and Funding Availability

Total Cost: 675,000.00 | Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: PER of Gulf Bank South Stormwater Detention Basin

ID#: 061000617

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Preliminary Engineering Study of Stormwater Detention Basin Gulf Bank South

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000090

Drainage area (Square miles, est.): 13.89

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 27,971

# of structures: 8,160

Critical facilities: 54

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1.89

Roadway(s) impacted (length): 70.80

Number of low water crossings: 3

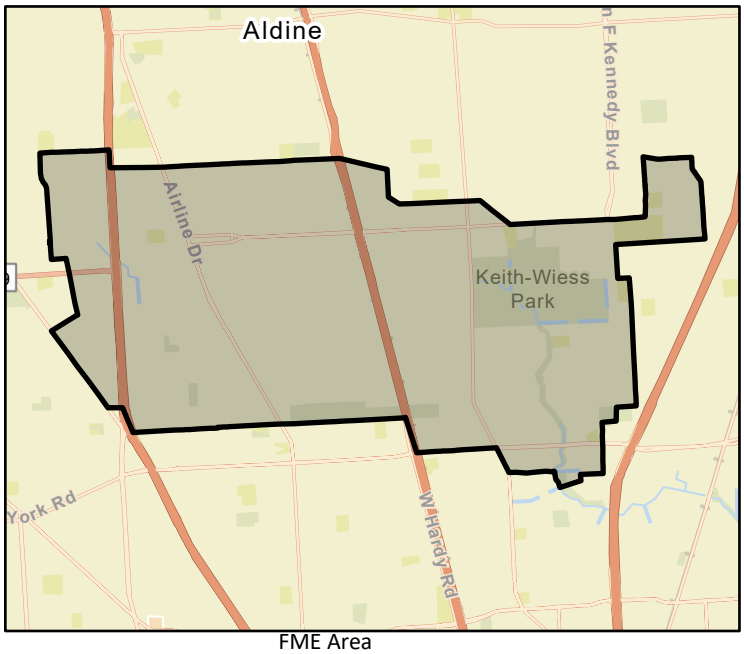
Historical road closures: 3

Estimated Cost and Funding Availability

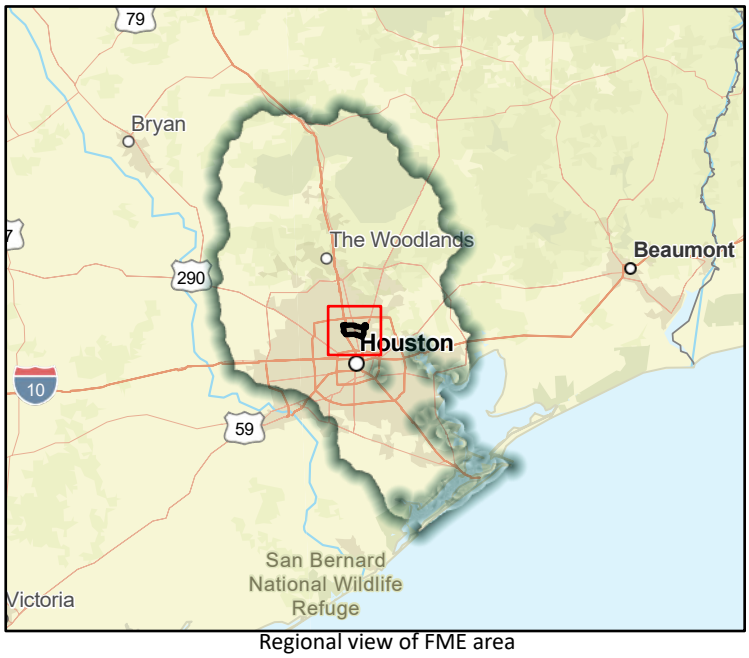
Total Cost: 1,013,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Feasibility Study of Aldine Westfield North Stormwater Detention Basin

ID#: 061000618

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Feasibility Study of Stormwater Detention Basin - Aldine Westfield North

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000090

Drainage area (Square miles, est.): 14.90

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 31,457

# of structures: 8,884

Critical facilities: 54

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 2.34

Roadway(s) impacted (length): 87.58

Number of low water crossings: 3

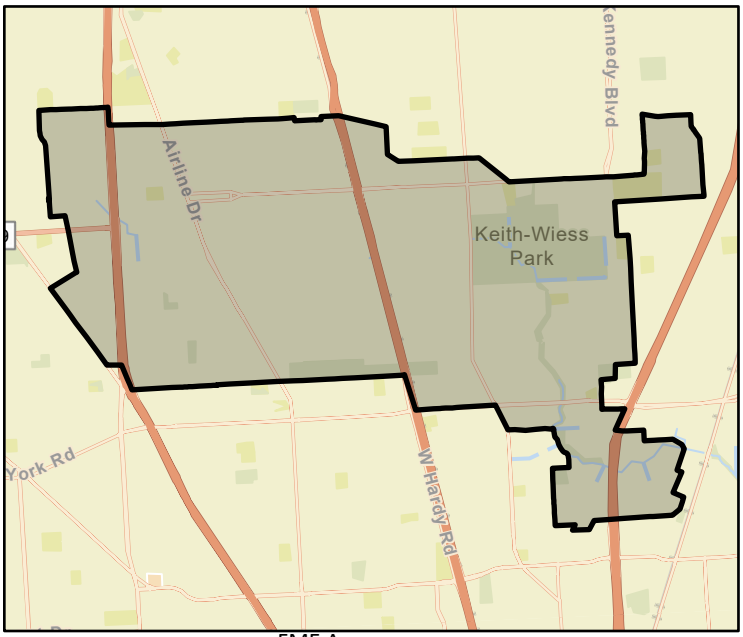
Historical road closures: 3

Estimated Cost and Funding Availability

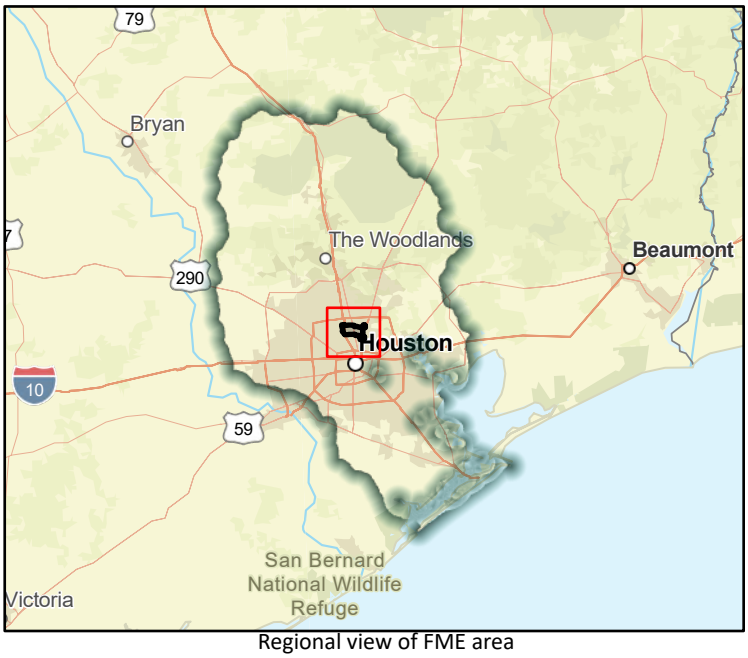
Total Cost: 675,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Feasibility Study of Aldine Westfield South Stormwater Detention Basin

ID#: 061000619

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Feasibility Study of Stormwater Detention Basin-Aldine Westfield South

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000090

Drainage area (Square miles, est.): 14.90

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 31,457

# of structures: 8,884

Critical facilities: 54

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 2.34

Roadway(s) impacted (length): 87.58

Number of low water crossings: 3

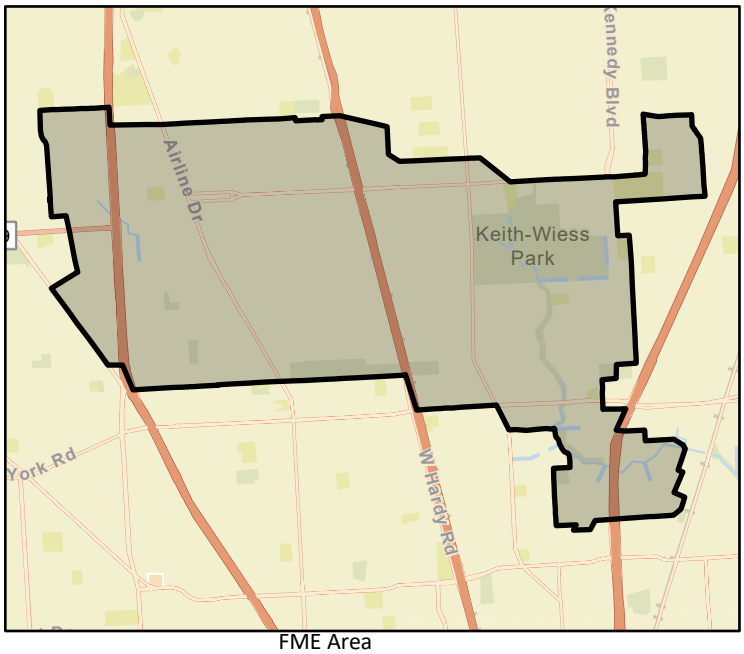
Historical road closures: 3

Estimated Cost and Funding Availability

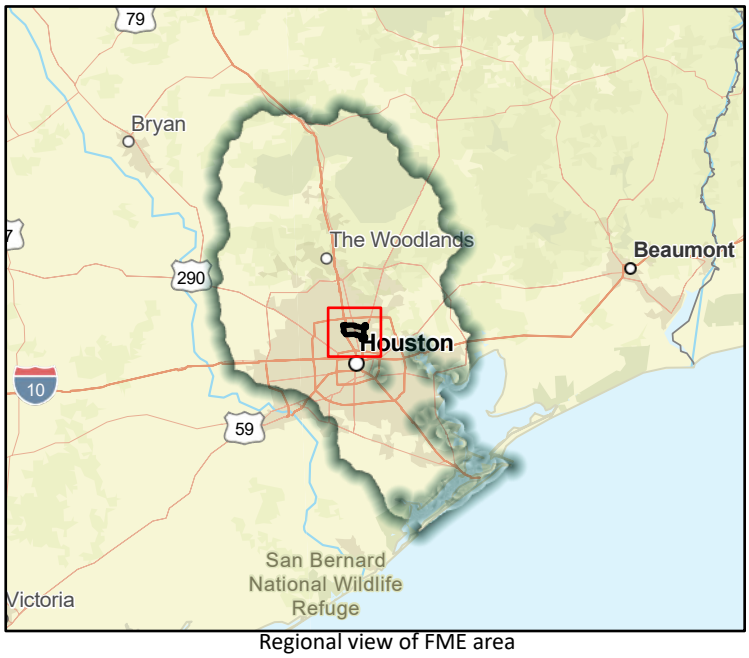
Total Cost: 675,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Feasibility Study of Little York Phase 2 Stormwater Detention Basin

ID#: 061000620

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Feasibility Study of Stormwater Detention Basin - Little York Phase 2

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000090

Drainage area (Square miles, est.): 2.86

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 3,873

# of structures: 1,067

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres):

Roadway(s) impacted (length): 14.19

Number of low water crossings: 2

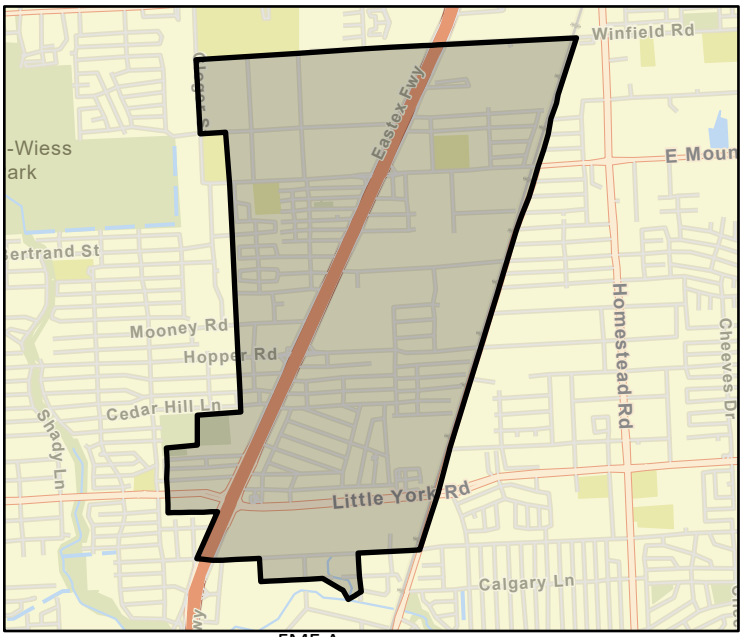
Historical road closures: 2

Estimated Cost and Funding Availability

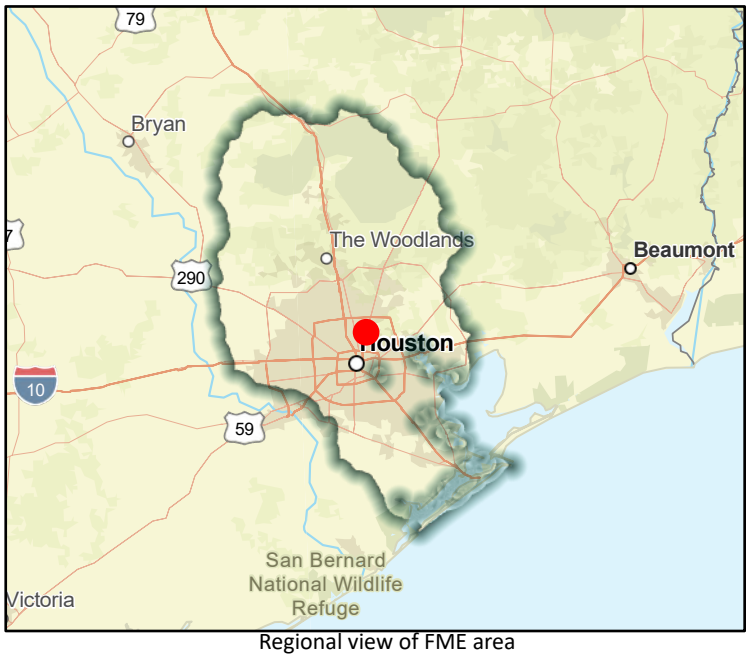
Total Cost: 633,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Feasibility Study of Veterans Memorial Stormwater Detention Basin

ID#: 061000621

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Feasibility Study of Stormwater Detention Basin - Vet Memorial

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000090

Drainage area (Square miles, est.): 12.22

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 17,539

# of structures: 5,084

Critical facilities: 34

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 7.29

Roadway(s) impacted (length): 43.83

Number of low water crossings: 3

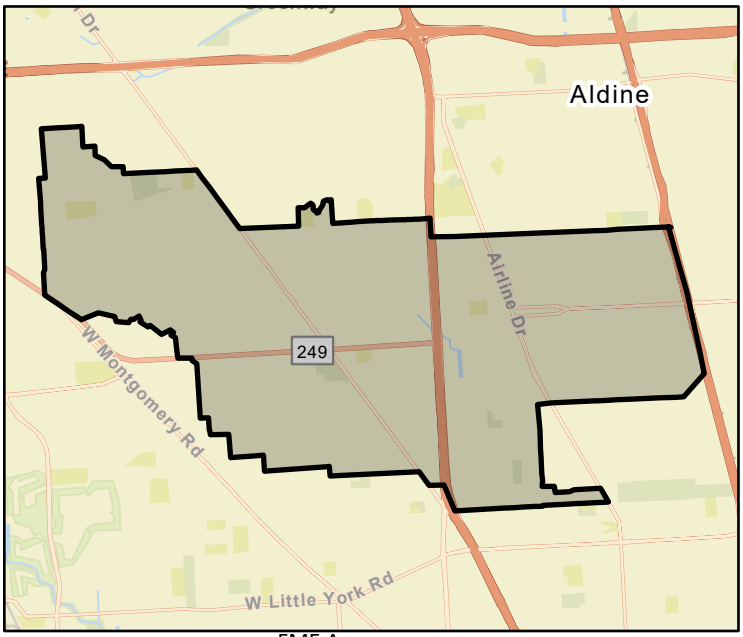
Historical road closures: 3

Estimated Cost and Funding Availability

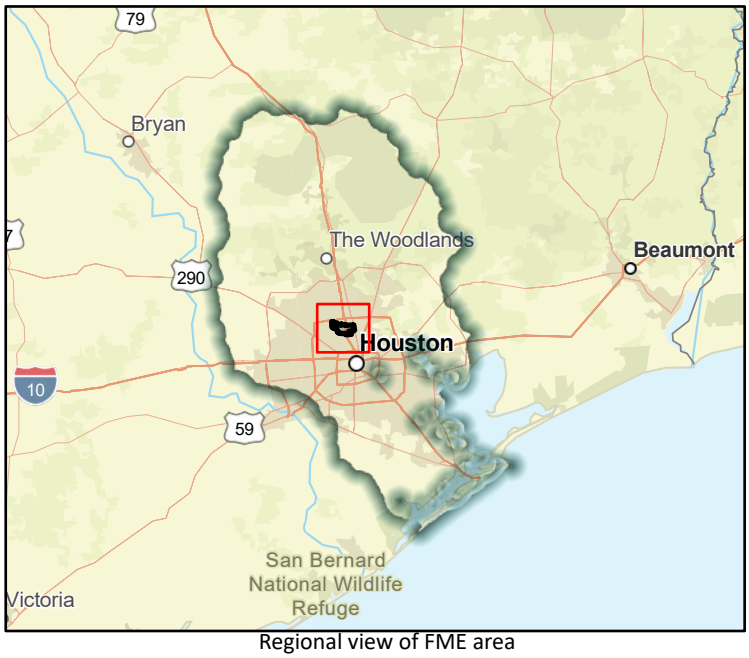
Total Cost: 633,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Feasibility Study of the Turney Road Stormwater Detention Basin

ID#: 061000622

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Feasibility Study of Stormwater Detention Basin - Turney Rd

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000090

Drainage area (Square miles, est.): 12.23

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 17,539

# of structures: 5,084

Critical facilities: 34

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 7.29

Roadway(s) impacted (length): 43.83

Number of low water crossings: 3

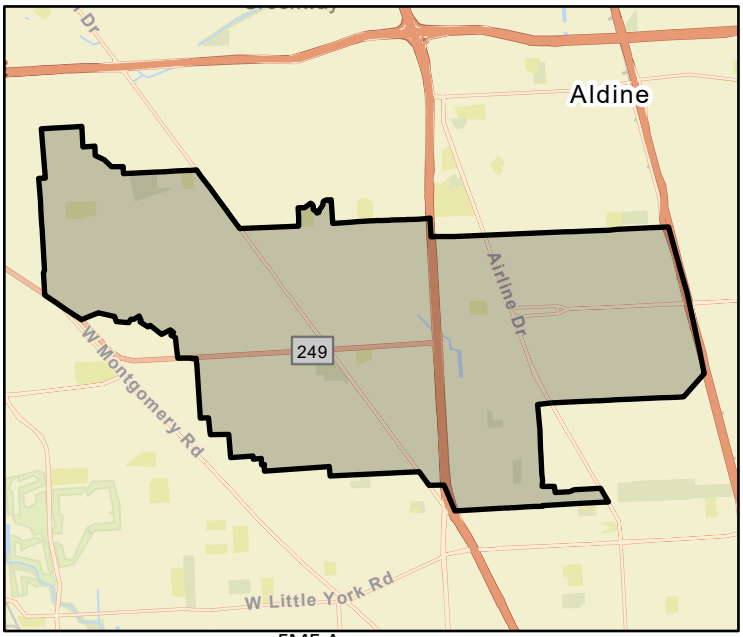
Historical road closures: 3

Estimated Cost and Funding Availability

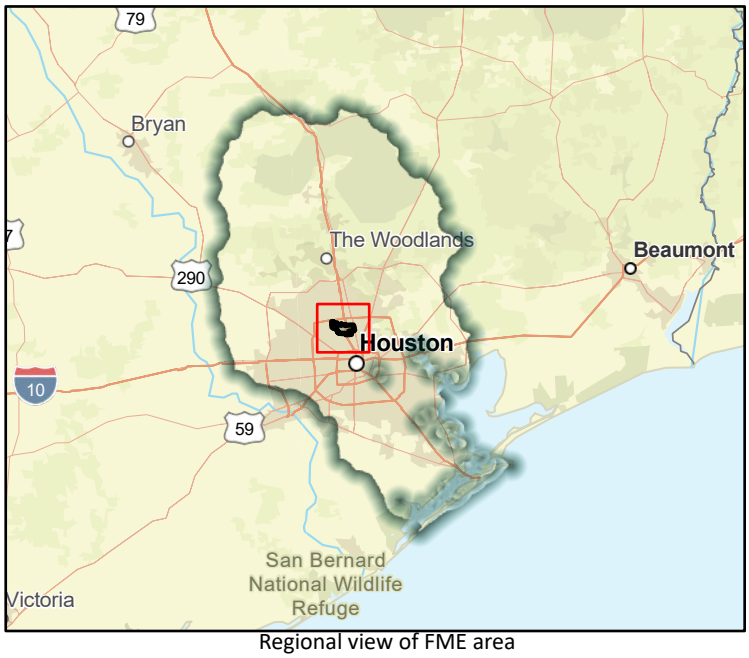
Total Cost: 633,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Feasibility Study of the Shady Lane Stormwater Detention Basin

ID#: 061000623

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Feasibility Study of Stormwater Detention Basin - Shady Ln

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000090

Drainage area (Square miles, est.): 6.31

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 12,354

# of structures: 3,551

Critical facilities: 35

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1.67

Roadway(s) impacted (length): 29.31

Number of low water crossings: 1

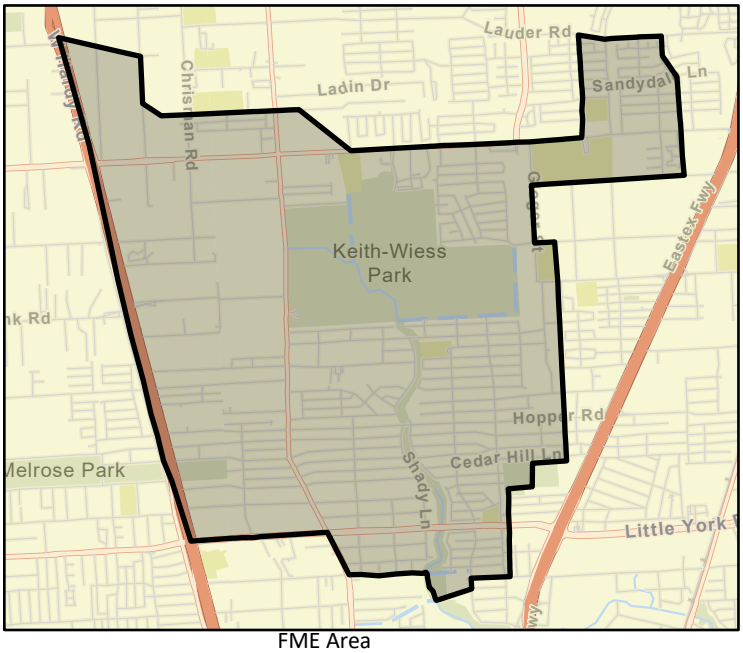
Historical road closures: 1

Estimated Cost and Funding Availability

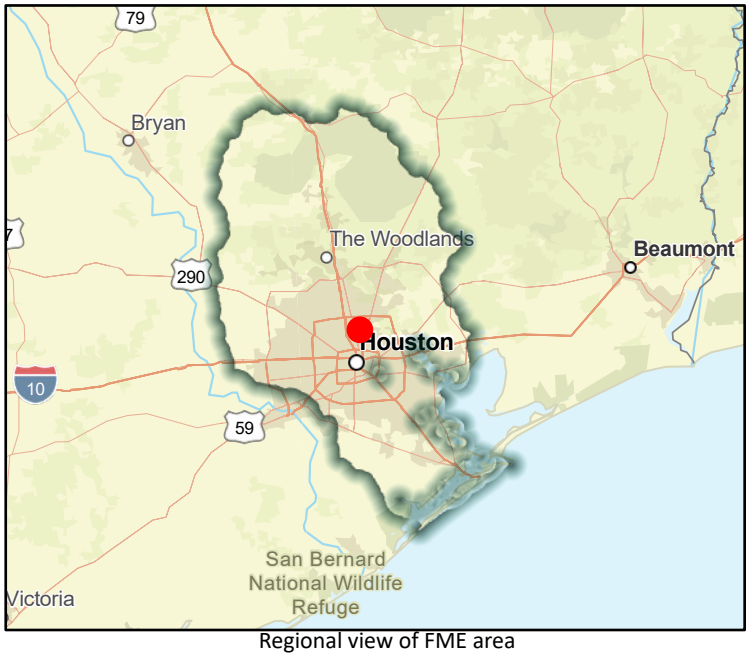
Total Cost: 633,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Feasibility Study of the Pinewood Stormwater Detention Basin

ID#: 061000624

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Feasibility Study of Stormwater Detention Basin - Pinewood

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000090

Drainage area (Square miles, est.): 7.32

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 15,841

# of structures: 4,276

Critical facilities: 35

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 2.12

Roadway(s) impacted (length): 46.10

Number of low water crossings: 1

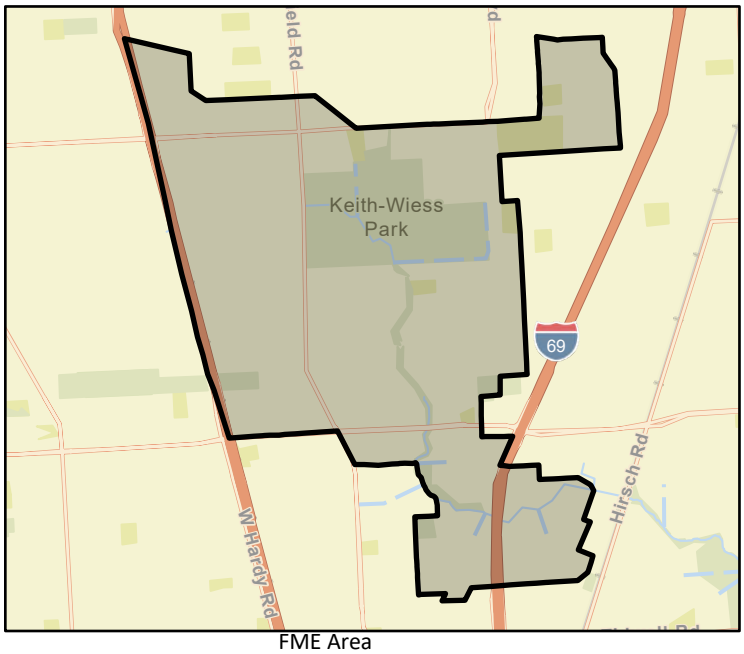
Historical road closures: 1

Estimated Cost and Funding Availability

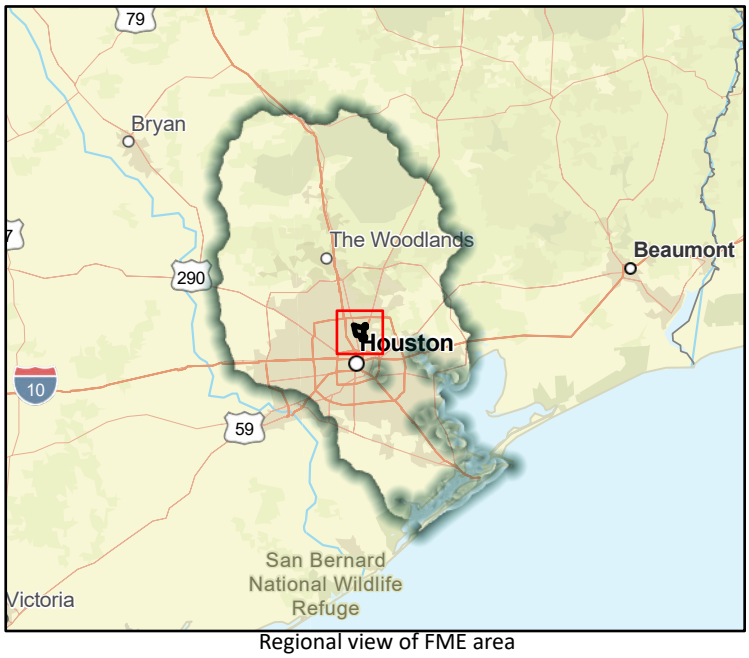
Total Cost: 633,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Feasibility Study of the Northline North Stormwater Detention Basin

ID#: 061000625

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Feasibility Study of Stormwater Detention Basin - Northline N

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000090

Drainage area (Square miles, est.): 20.10

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 34,571

# of structures: 10,058

Critical facilities: 75

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 8.96

Roadway(s) impacted (length): 82.78

Number of low water crossings: 5

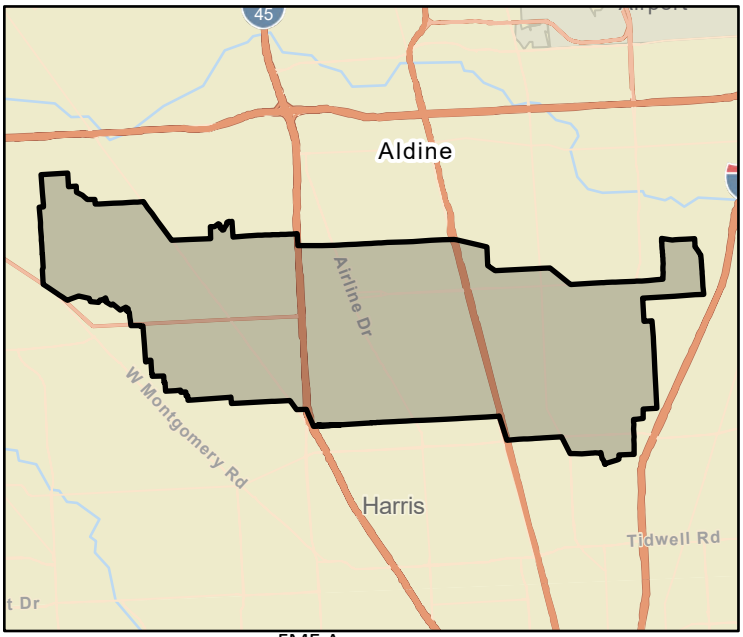
Historical road closures: 5

Estimated Cost and Funding Availability

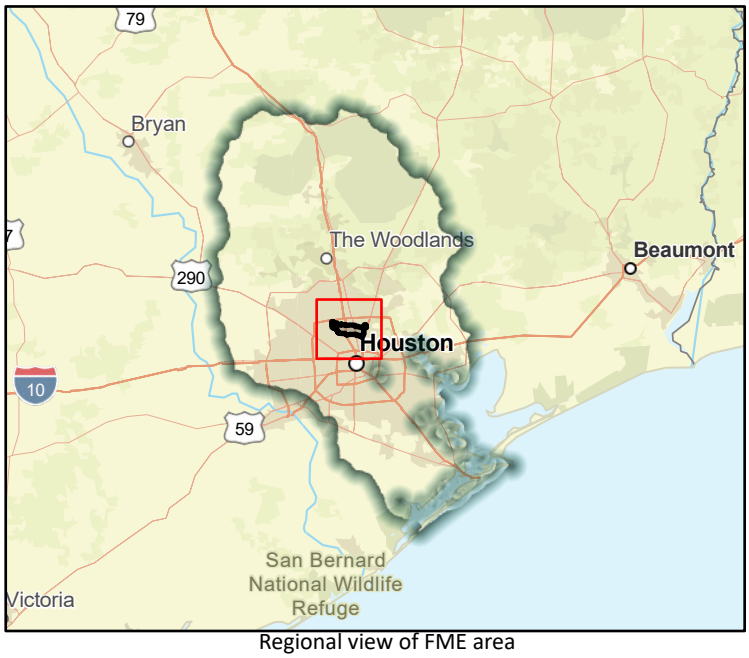
Total Cost: 633,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Feasibility Study of the Northline South Stormwater Detention Basin

ID#: 061000626

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Feasibility Study of Stormwater Detention Basin - Northline S

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000090

Drainage area (Square miles, est.): 20.10

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 34,571

# of structures: 10,058

Critical facilities: 75

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 8.96

Roadway(s) impacted (length): 82.78

Number of low water crossings: 5

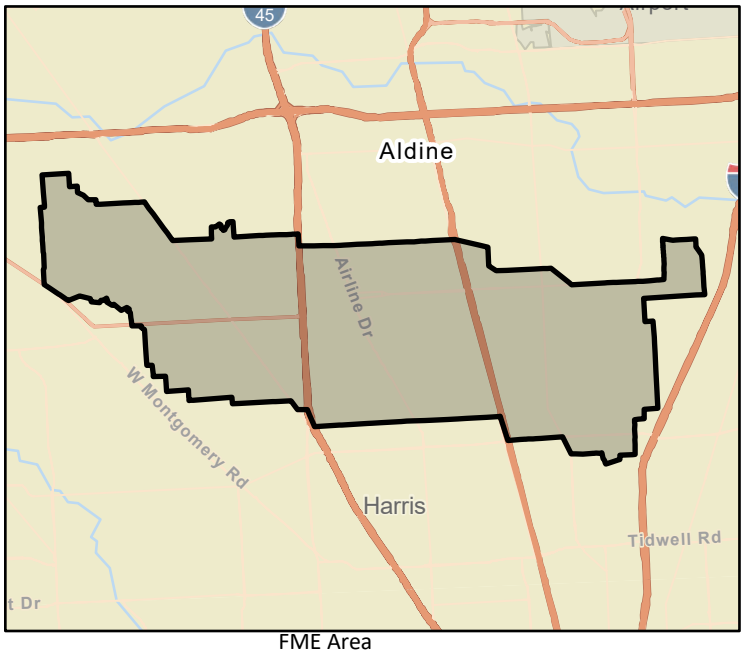
Historical road closures: 5

Estimated Cost and Funding Availability

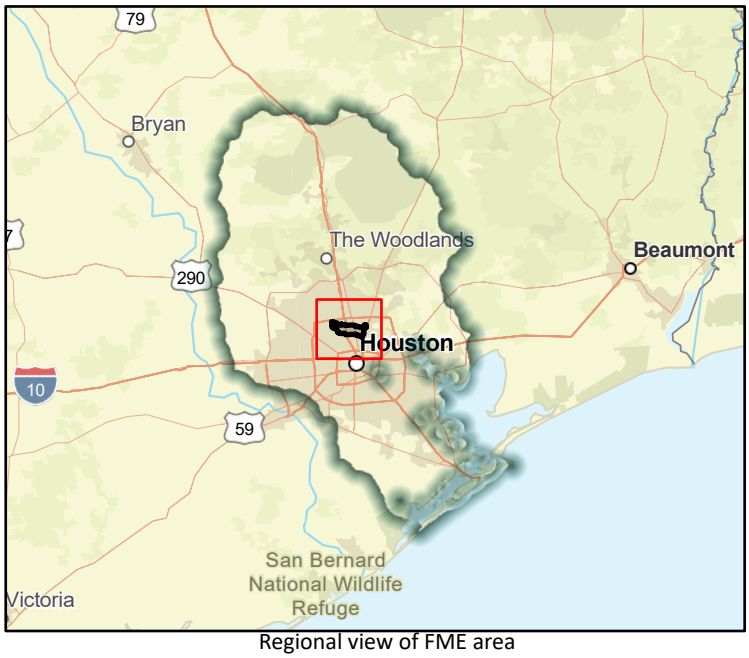
Total Cost: 633,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Feasibility Study of the Lakewood Stormwater Detention Basin

ID#: 061000627

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Feasibility Study of Stormwater Detention Basin - Lakewood Basin

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000090

Drainage area (Square miles, est.): 7.32

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 15,841

# of structures: 4,276

Critical facilities: 35

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 2.12

Roadway(s) impacted (length): 46.10

Number of low water crossings: 1

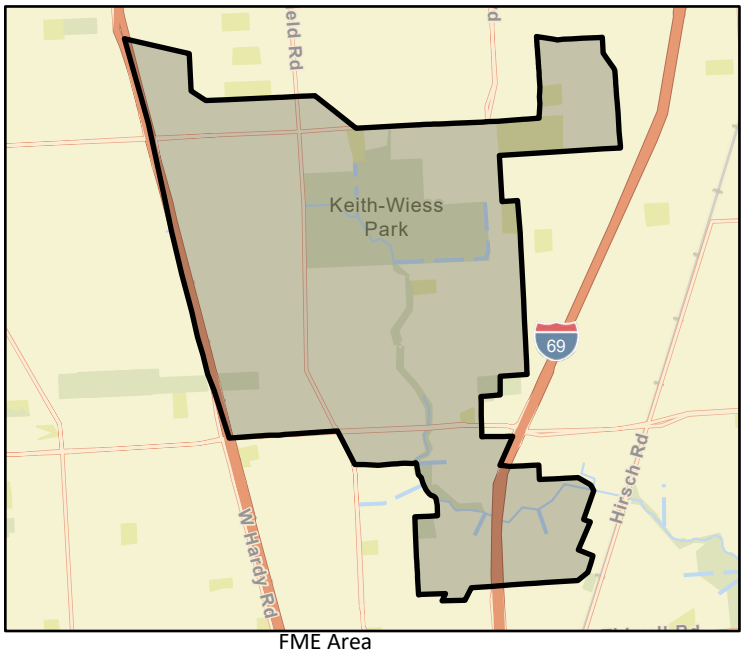
Historical road closures: 1

Estimated Cost and Funding Availability

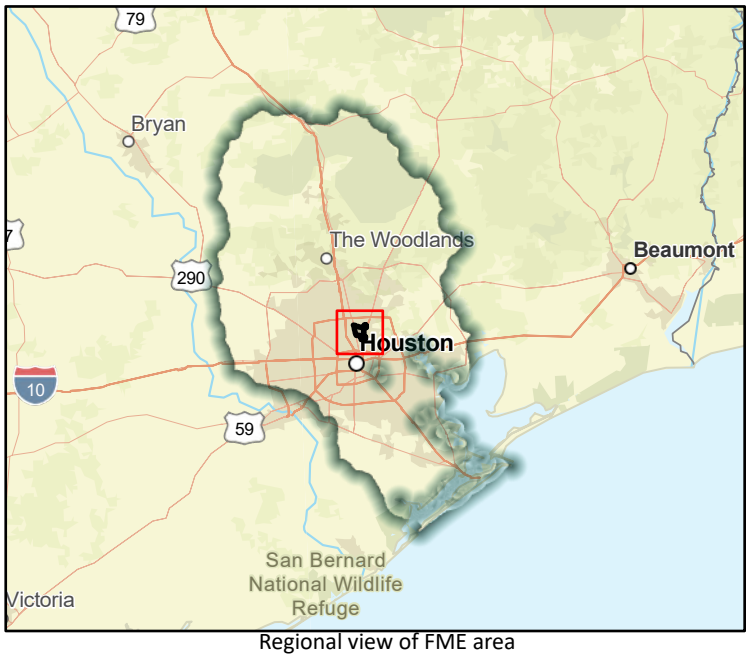
Total Cost: 633,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Feasibility Study of the Langley Stormwater Detention Basin

ID#: 061000628

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Feasibility Study of Stormwater Detention Basin - Langley Basin

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000090

Drainage area (Square miles, est.): 9.56

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 7,272

# of structures: 2,048

Critical facilities: 3

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.64

Roadway(s) impacted (length): 35.17

Number of low water crossings: 2

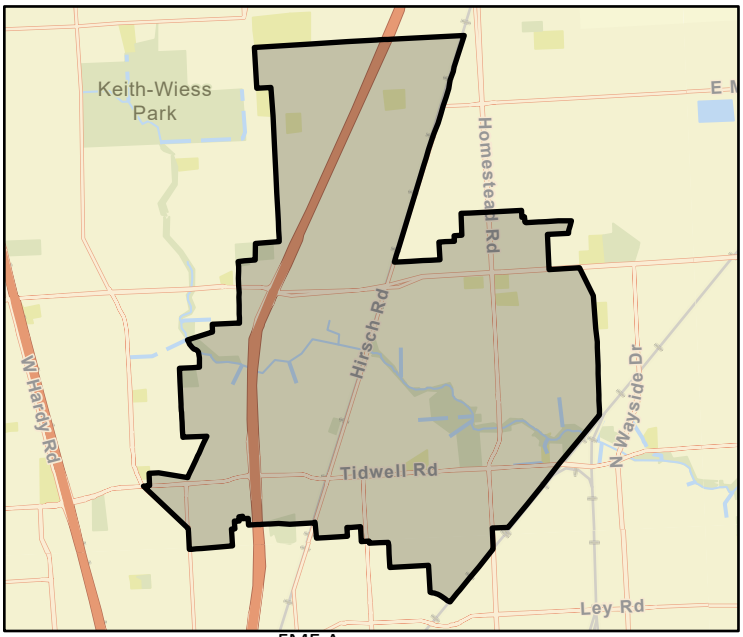
Historical road closures: 2

Estimated Cost and Funding Availability

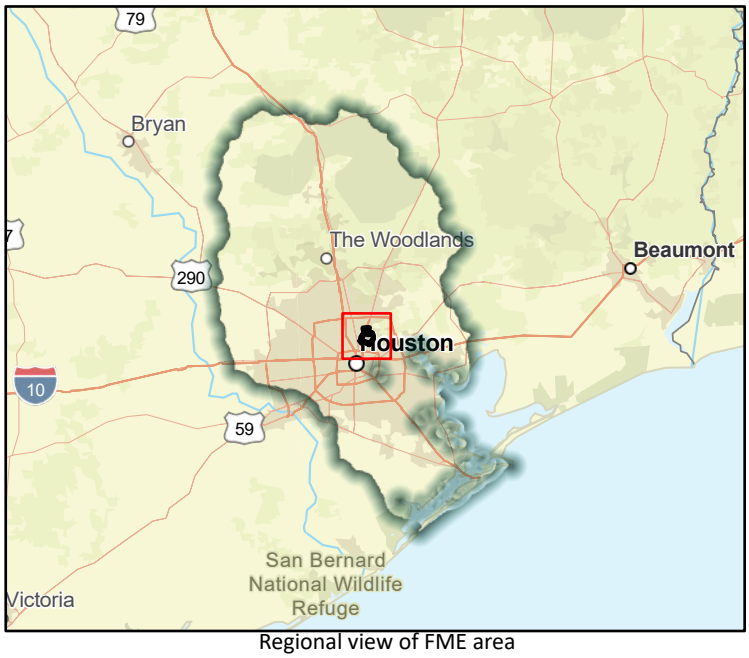
Total Cost: 633,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Feasibility Study of the Haywood Stormwater Detention Basin

ID#: 061000629

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Feasibility Study of Stormwater Detention Basin - Haywood Basin

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000090

Drainage area (Square miles, est.): 9.56

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 7,272

# of structures: 2,048

Critical facilities: 3

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.64

Roadway(s) impacted (length): 35.17

Number of low water crossings: 2

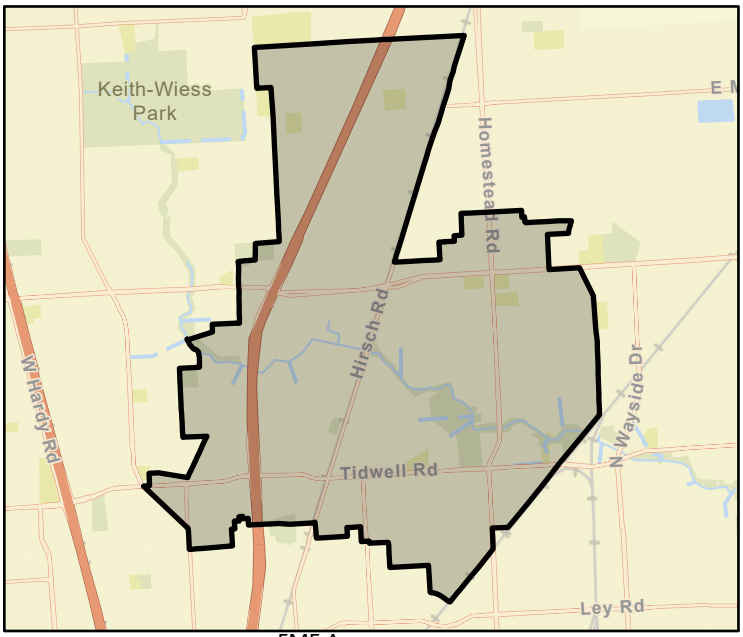
Historical road closures: 2

Estimated Cost and Funding Availability

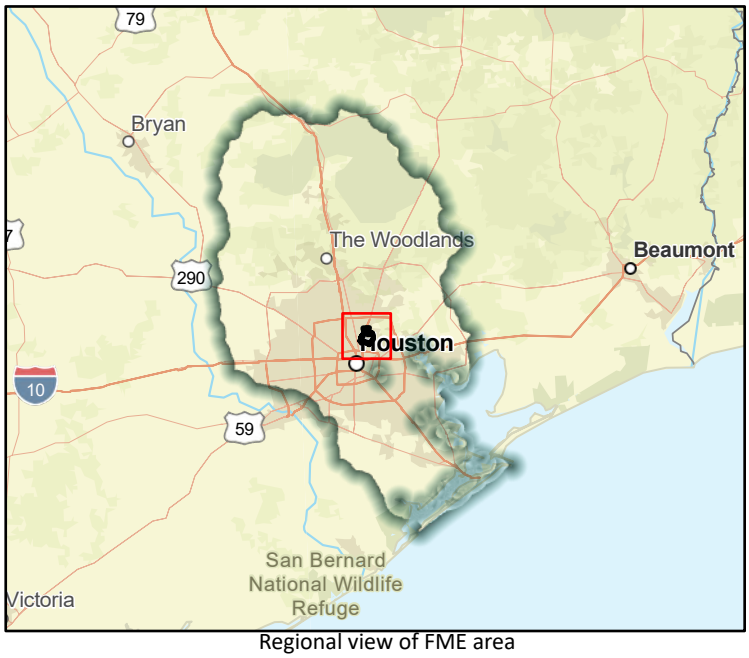
Total Cost: 633,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Feasibility Study of the Cockrell Stormwater Detention Basin

ID#: 061000630

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Feasibility Study of Stormwater Detention Basin - Cockrell

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000090

Drainage area (Square miles, est.): 3.05

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 650

# of structures: 141

Critical facilities: 5

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres):

Roadway(s) impacted (length): 1.10

Number of low water crossings: 0

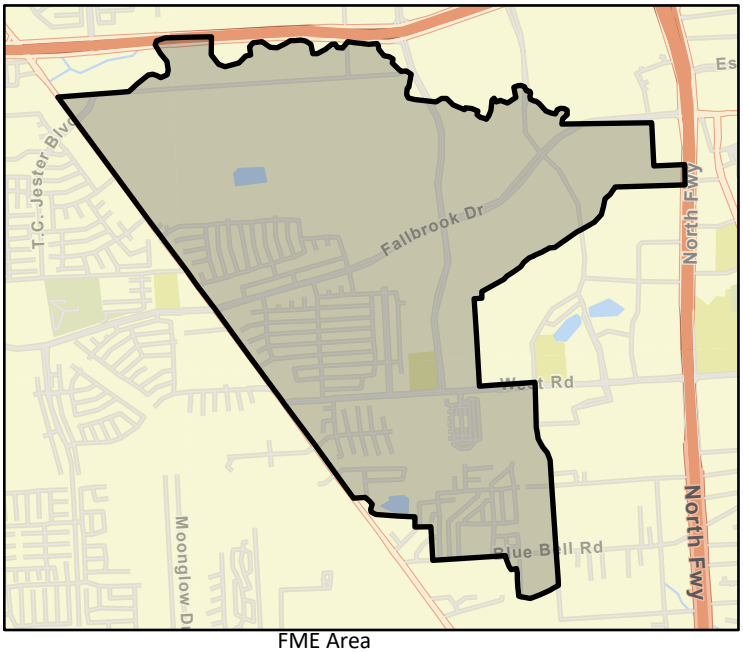
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 633,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Feasibility Study of Halls Bayou Main Stem Conveyance Improvements

ID#: 061000631

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Feasibility Study of Halls Bayou Mainstem Conveyance Improvements

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000090

Drainage area (Square miles, est.): 44.78

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 43,474

# of structures: 12,474

Critical facilities: 98

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 9.60

Roadway(s) impacted (length): 122.49

Number of low water crossings: 7

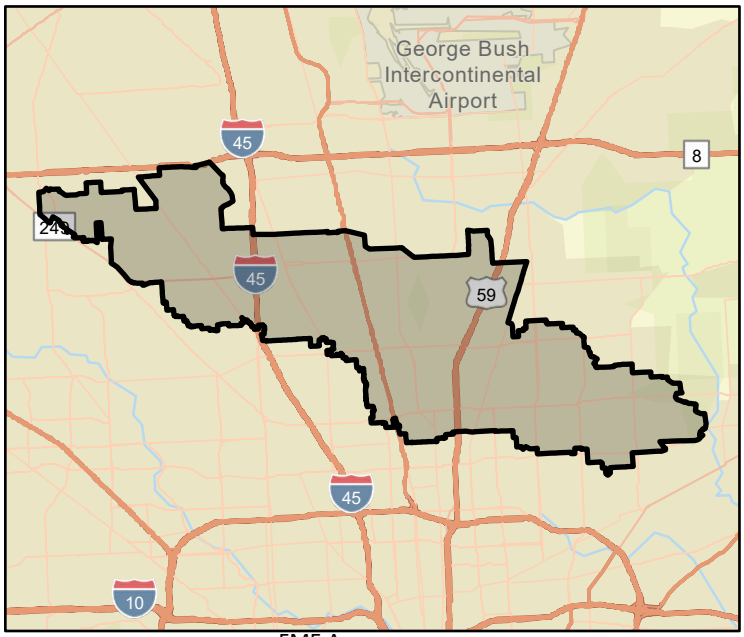
Historical road closures: 7

Estimated Cost and Funding Availability

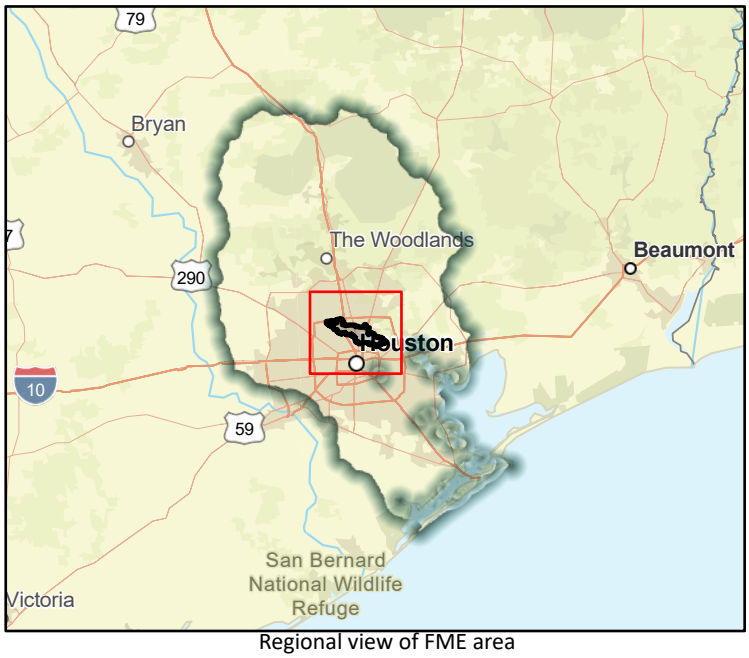
Total Cost: 675,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Feasibility Study of Blue Bell Phase 2 Stormwater Detention Basin

ID#: 061000632

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Feasibility Study of Stormwater Detention Basin - Blue Bell Phase 2

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000090

Drainage area (Square miles, est.): 14.56

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 17,823

# of structures: 5,111

Critical facilities: 34

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 7.29

Roadway(s) impacted (length): 44.33

Number of low water crossings: 3

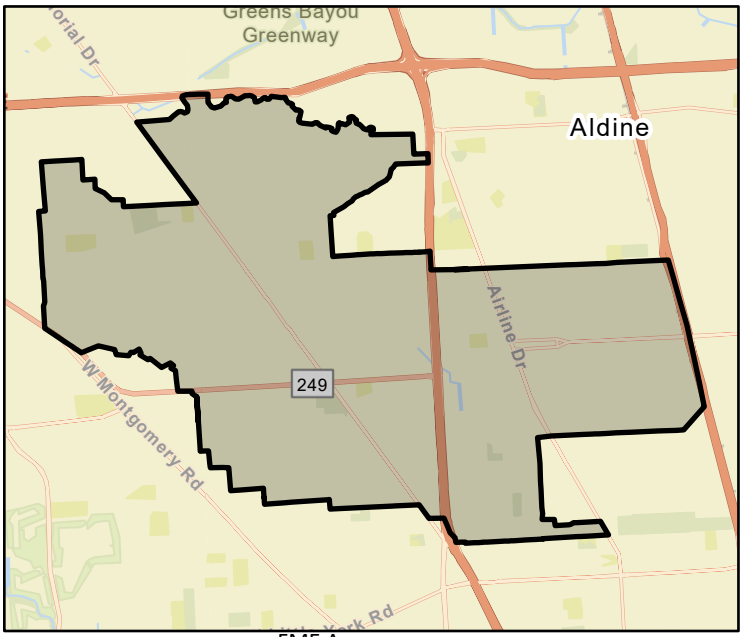
Historical road closures: 3

Estimated Cost and Funding Availability

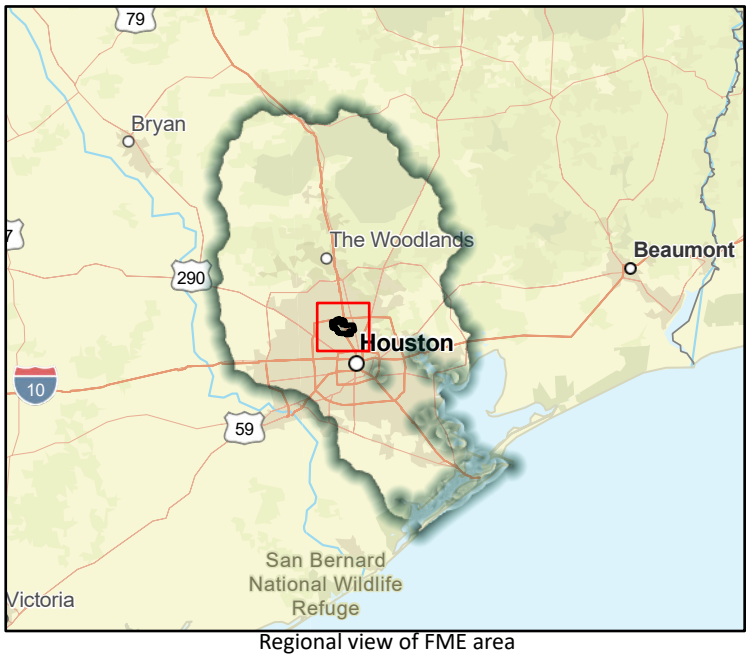
Total Cost: 633,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Cypress Creek Watershed Study to Phase the FMP 63000357

ID#: 061000633

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Other

Study description: Study to phase and prioritize currently recommended FMP 063000357. Scope would include demonstrating NAI, OPCC, BCAs for individual phases of the larger project

New Hydrologic or Hydraulic model?: No

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris, Waller

Watershed HUC# (if known): 06000027, 06000028, 06000029, 06000031, 06000026, 06000030,

Drainage area (Square miles, est.): 266.33

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 22,479

# of structures: 4,154

Critical facilities: 87

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1,663.41

Roadway(s) impacted (length): 109.53

Number of low water crossings: 18

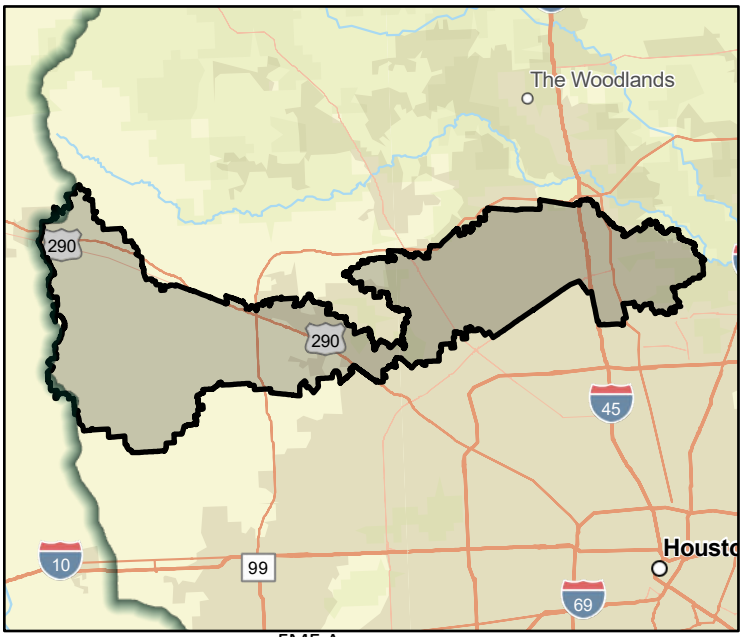
Historical road closures: 18

Estimated Cost and Funding Availability

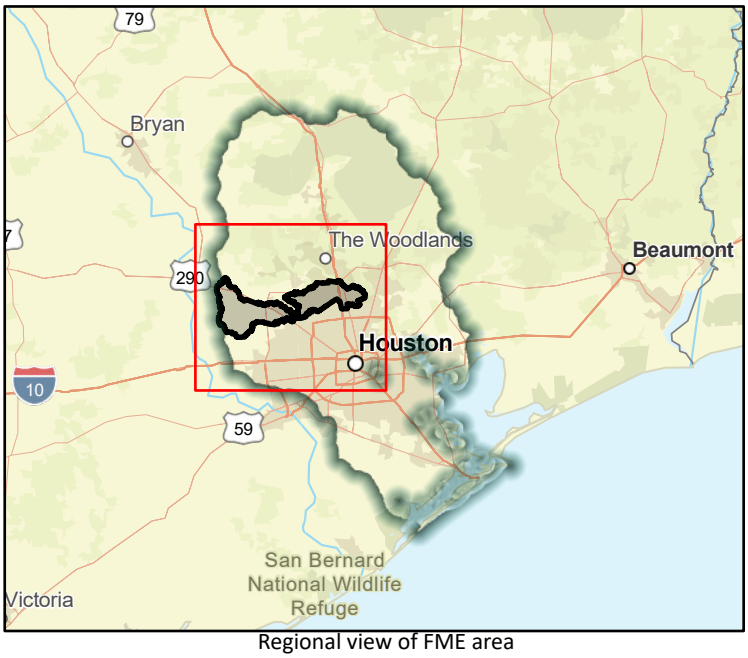
Total Cost: 844,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Projects B106-WP01 and B106-WP02 for City of La Porte

ID#: 061000634

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Right-Of-Way, Design and Construction for Conveyance Improvements for B106-00-00 to reduce flooding in the City of La Porte

New Hydrologic or Hydraulic model?: No

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000098, 06000106

Drainage area (Square miles, est.): 4.72

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 1,116

# of structures: 347

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: Yes

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.55

Roadway(s) impacted (length): 5.38

Number of low water crossings: 0

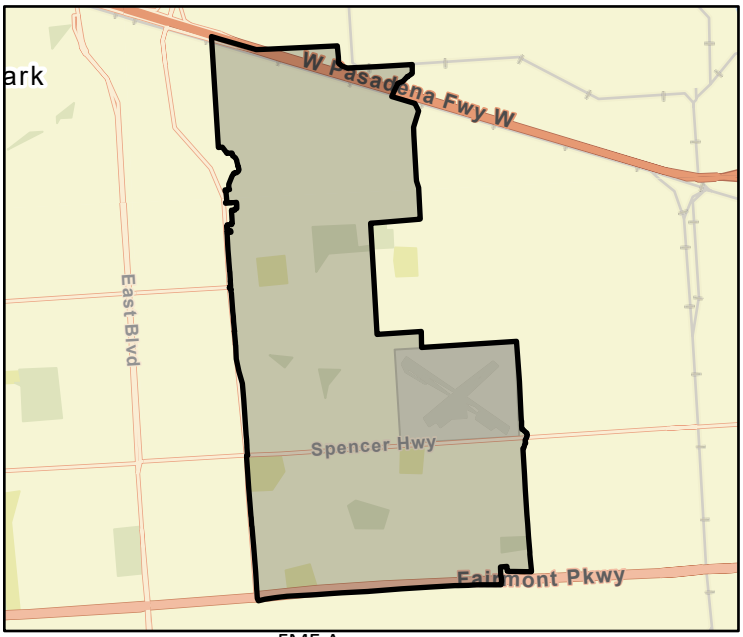
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 633,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Little Cedar Bayou Flood Risk Reduction Project

ID#: 061000635

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: An evaluation in the F216-00-00 subwatershed to further advance the prior findings of the feasibility analysis

New Hydrologic or Hydraulic model?: No

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000098, 06000106

Drainage area (Square miles, est.): 3.26

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 4,346

# of structures: 673

Critical facilities: 16

Flood risk type: Riverine?: Yes

Coastal?: Yes

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.66

Roadway(s) impacted (length): 15.27

Number of low water crossings: 0

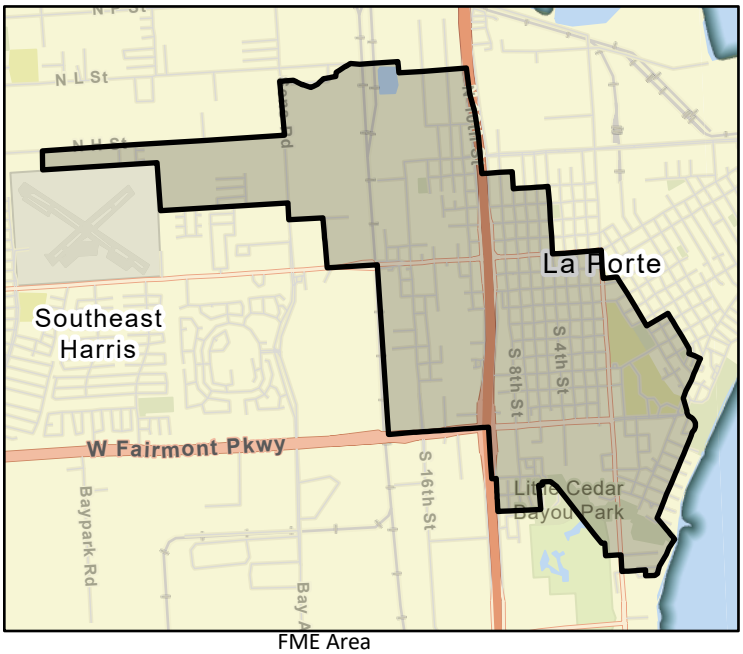
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 844,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: South Acres Tributary Channel Conveyance Improvements and Detention

ID#: 061000636

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Evaluation in the C124 subwatershed following the C124-00-00-P001 feasibility analysis

New Hydrologic or Hydraulic model?: No

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000086, 06000085

Drainage area (Square miles, est.): 1.00

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures: 0

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres):

Roadway(s) impacted (length): 0.32

Number of low water crossings: 0

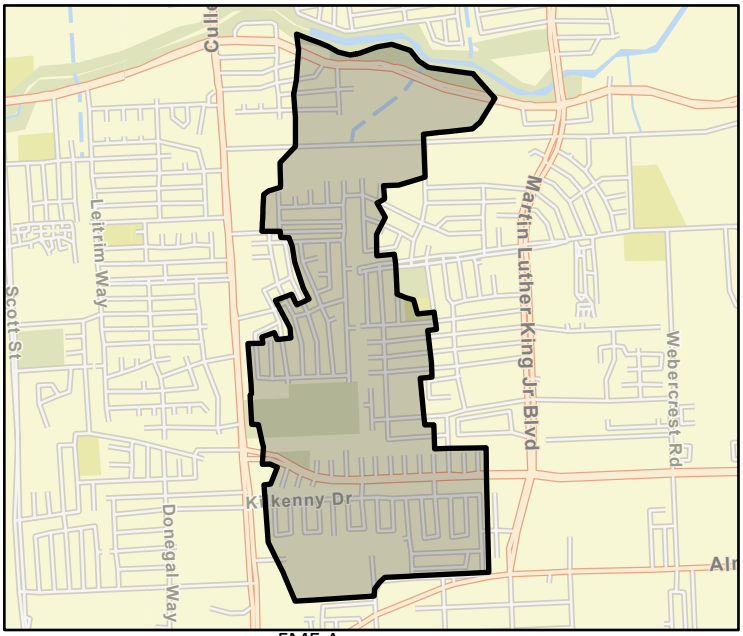
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 844,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Alief Area Flood Risk Management Study

ID#: 061000637

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Watershed Planning

Study description: Drainage Analysis of the Alief area in the Brays Bayou watershed

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000083

Drainage area (Square miles, est.): 2.89

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 21,245

# of structures: 3,398

Critical facilities: 31

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1.55

Roadway(s) impacted (length): 32.35

Number of low water crossings: 0

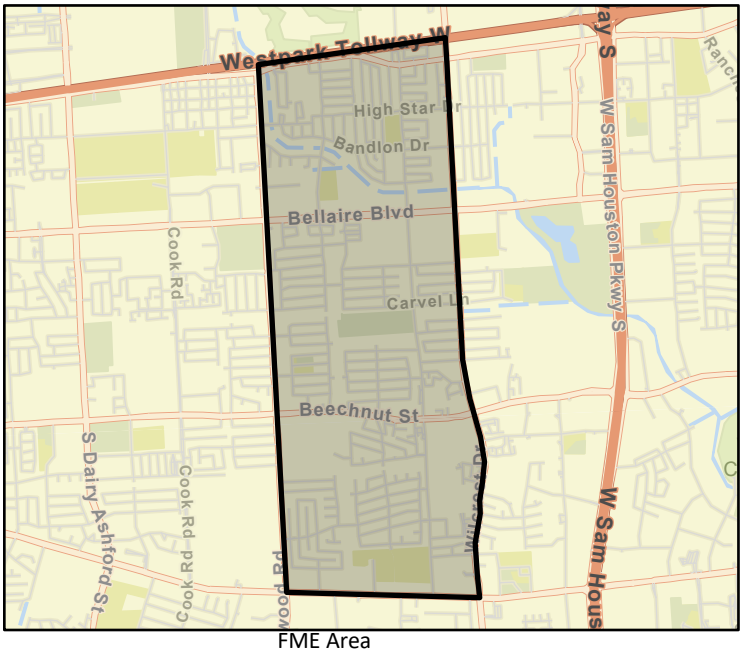
Historical road closures: 0

Estimated Cost and Funding Availability

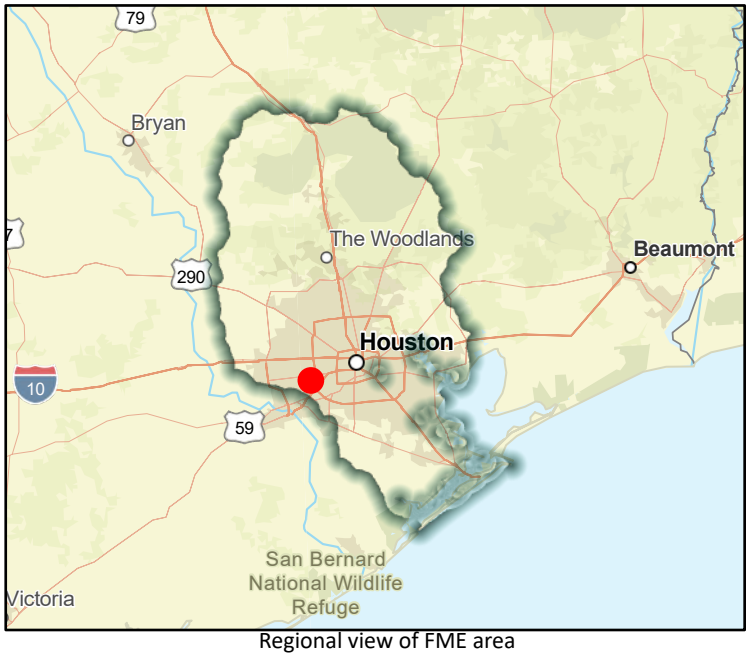
Total Cost: 844,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Detailed Evaluation of the Cole Creek Stormwater Detention Basin

ID#: 061000638

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Feasibility Study of Cole Creek Stormwater detention basin - E517-01-00 to define flood risks and mitigation alternatives

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000079

Drainage area (Square miles, est.): 5.21

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 12,158

# of structures: 530

Critical facilities: 3

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres):

Roadway(s) impacted (length): 14.48

Number of low water crossings: 0

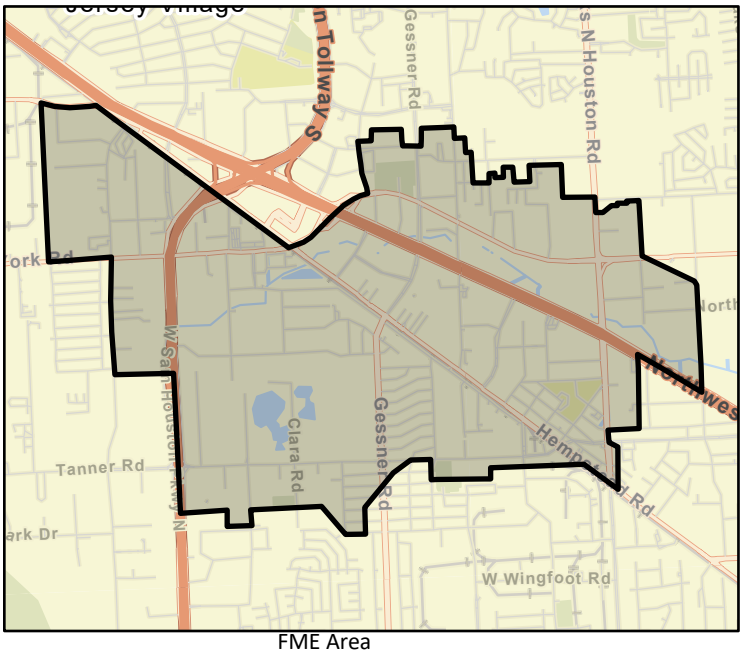
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 844,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Cypress Trace Stormwater Detention Basin

ID#: 061000639

Sponsor (name of entity, not person): 00000310

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Feasibility Study of Trace Stormwater Detention Basin - K500-Future Project to define flood risks and mitgation alternatives

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: Yes

Existing/Anticipated models in near term?: Yes

County: Harris

Watershed HUC# (if known): 06000032

Drainage area (Square miles, est.): 22.68

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 6,645

# of structures: 1,317

Critical facilities: 18

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 7.96

Roadway(s) impacted (length): 25.84

Number of low water crossings: 0

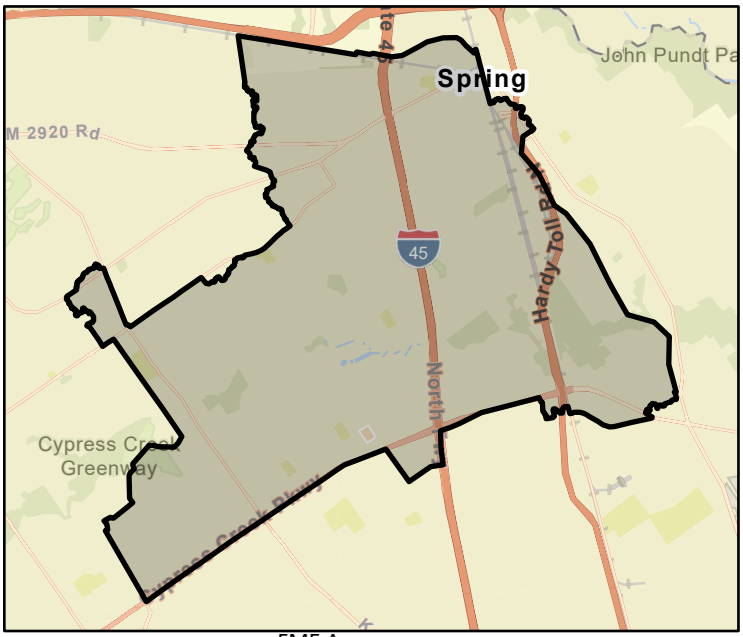
Historical road closures: 0

Estimated Cost and Funding Availability

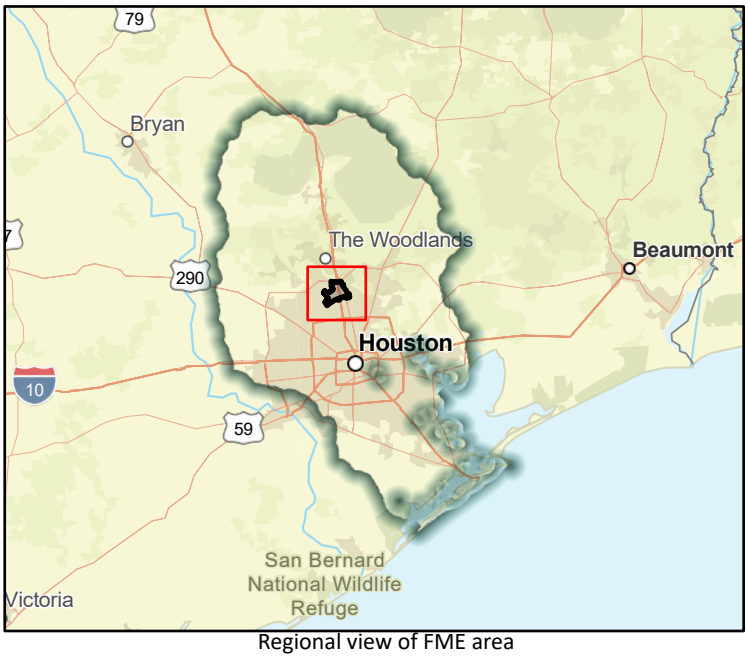
Total Cost: 844,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Conservation Easements for Natural and Agricultural Lands in the Floodplain

ID#: 061000640

Sponsor (name of entity, not person): 00004002

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Study conserving lands in 100- and 500-year floodplains. Focus on agricultural lands in the 13-county Texas Coastal Prairie Initiative. Identify eligible lands, develop conservation terms, estimate values, and review federal program compatibility.

New Hydrologic or Hydraulic model?: No

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Brazoria, Galveston, Chambers, Harris,

Watershed HUC# (if known): 06000025, 06000095, 06000084, 06000097, 06000098, 06000094,

Drainage area (Square miles, est.): 12,949.40

Goal(s): 06000001,06000011,06000012, 06000013,06000014,06000015

100-Year Flood Risk Summary

Population at risk: 734,477

# of structures: 213,645

Critical facilities: 3,061

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? No

Farm/Ranch land impacted (acres): 17,828.13

Roadway(s) impacted (length): 3,712.14

Number of low water crossings: 144

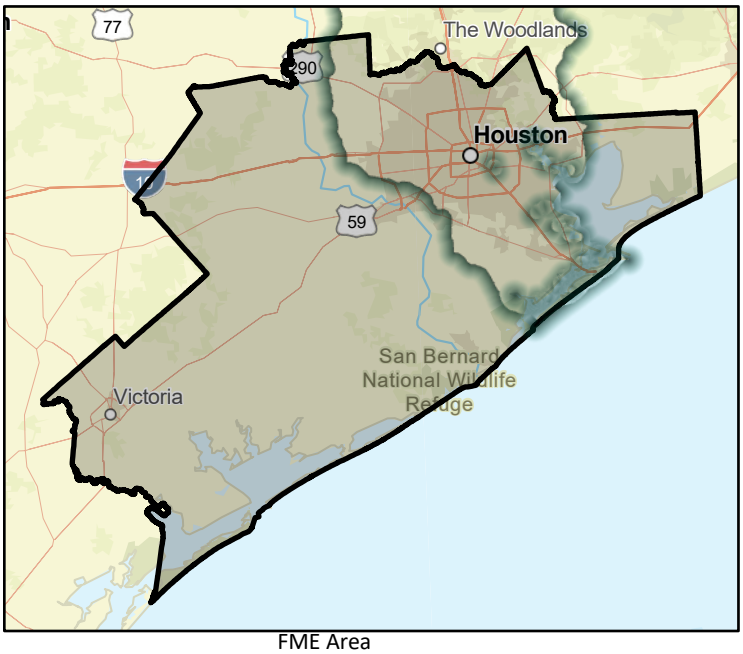
Historical road closures: 144

Estimated Cost and Funding Availability

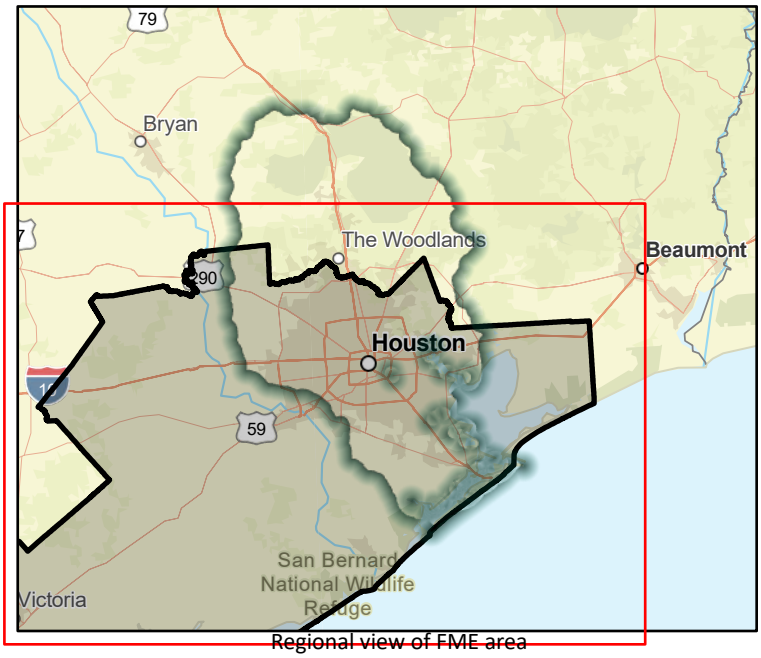
Total Cost: 844,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Caney Creek Detention at FM 1097

ID#: 061000641

Sponsor (name of entity, not person): 00000287

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Study to determine the feasibility of the implementation of a dry dam detention facility near FM 1097 on Caney Creek to reduce flooding for structures and roadways along Caney Creek.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Montgomery, Walker

Watershed HUC# (if known): 06000022, 06000005, 06000006, 06000020, 06000008, 06000024,

Drainage area (Square miles, est.): 214.94

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 11,949

# of structures: 5,733

Critical facilities: 14

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 108.76

Roadway(s) impacted (length): 103.00

Number of low water crossings: 15

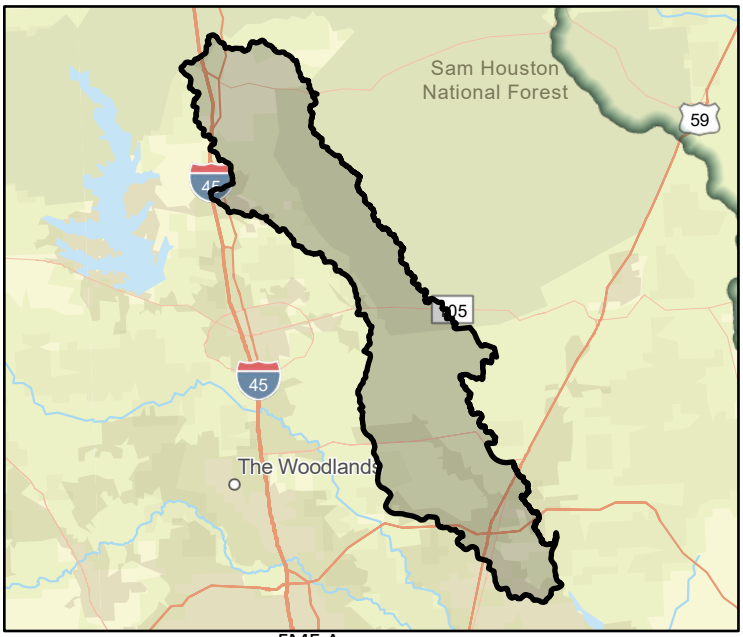
Historical road closures: 15

Estimated Cost and Funding Availability

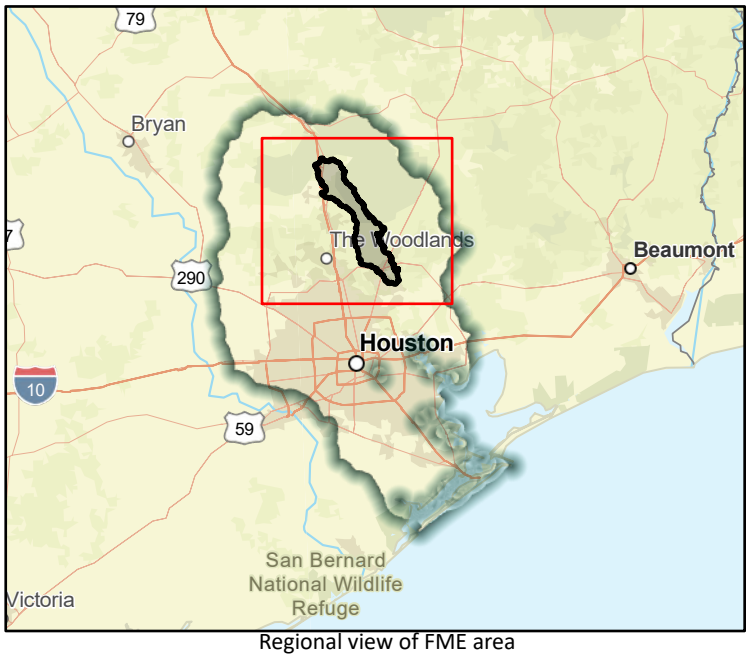
Total Cost: 692,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Lake Creek - Caney Creek Detention

ID#: 061000642

Sponsor (name of entity, not person): 00000287

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Study to determine the feasibility of the implementation of a dry dam detention facility along Caney Creek, a tributary to Lake Creek, to reduce flooding for structures and roadways along Caney and Lake Creek.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Montgomery, Grimes

Watershed HUC# (if known):

Drainage area (Square miles, est.): 455.28

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 24,397

# of structures: 5,764

Critical facilities: 81

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 749.34

Roadway(s) impacted (length): 157.72

Number of low water crossings: 11

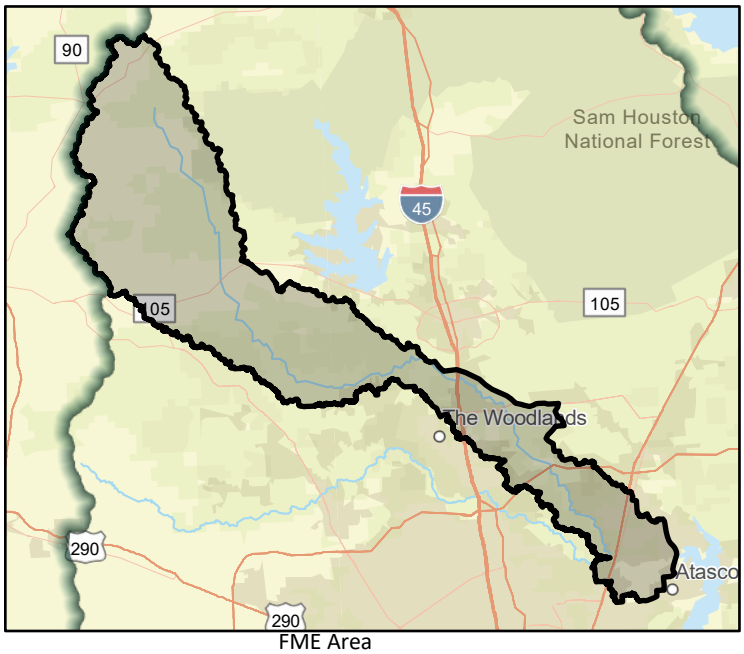
Historical road closures: 11

Estimated Cost and Funding Availability

Total Cost: 692,000.00

Amount of Available Funding:

Funding source:



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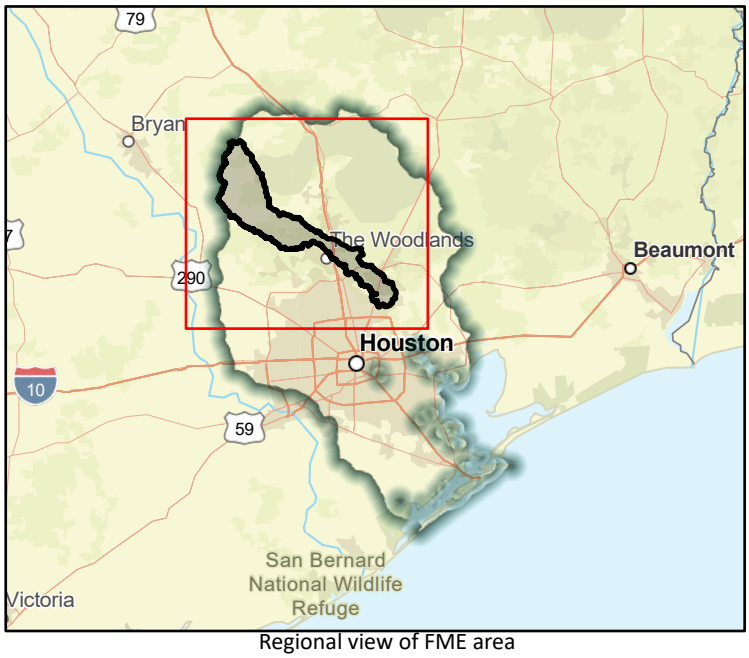


Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Lake Creek - Little Caney Creek Detention

ID#: 061000643

Sponsor (name of entity, not person): 00000287

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Study to determine the feasibility of the implementation of a dry dam detention facility along Little Caney Creek, a tributary to Lake Creek, to reduce flooding for structures and roadways along Little Caney and Lake Creek.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Montgomery, Grimes

Watershed HUC# (if known):

Drainage area (Square miles, est.): 455.28

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 24,397

# of structures: 5,764

Critical facilities: 81

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 749.34

Roadway(s) impacted (length): 157.72

Number of low water crossings: 11

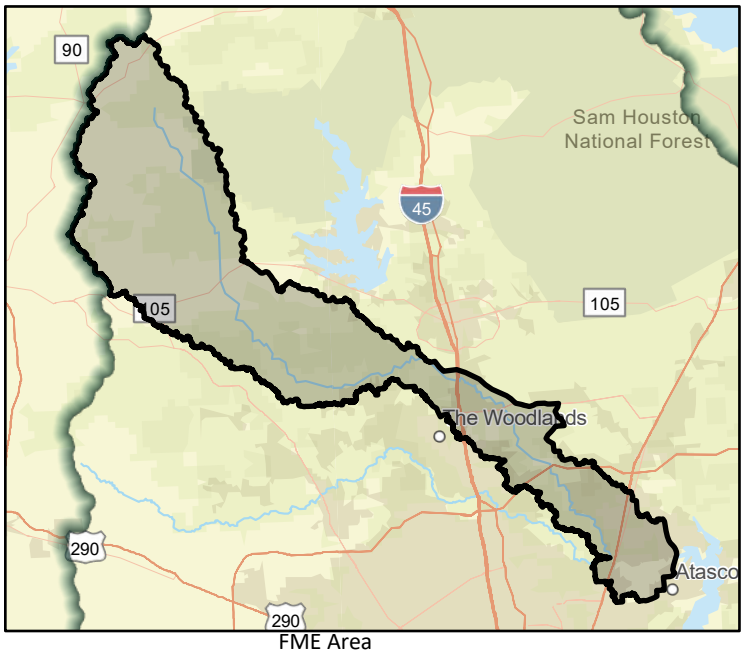
Historical road closures: 11

Estimated Cost and Funding Availability

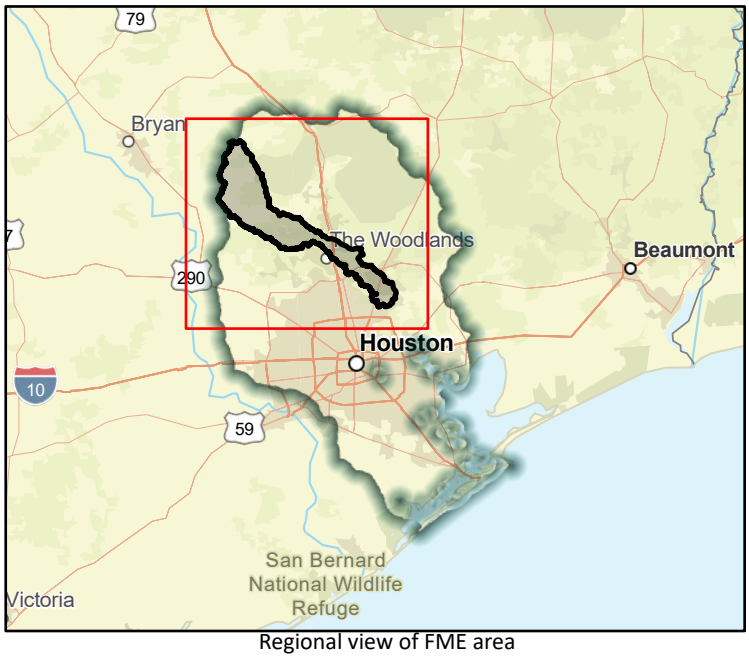
Total Cost: 692,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Lake Creek - Garrett's Creek Detention

ID#: 061000644

Sponsor (name of entity, not person): 00000287

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Study to determine the feasibility of the implementation of a dry dam detention facility along Garrett's Creek, a tributary to Lake Creek, to reduce flooding for structures and roadways along Garrett's and Lake Creek.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Montgomery, Grimes

Watershed HUC# (if known):

Drainage area (Square miles, est.): 455.28

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 24,397

# of structures: 5,764

Critical facilities: 81

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 749.34

Roadway(s) impacted (length): 157.72

Number of low water crossings: 11

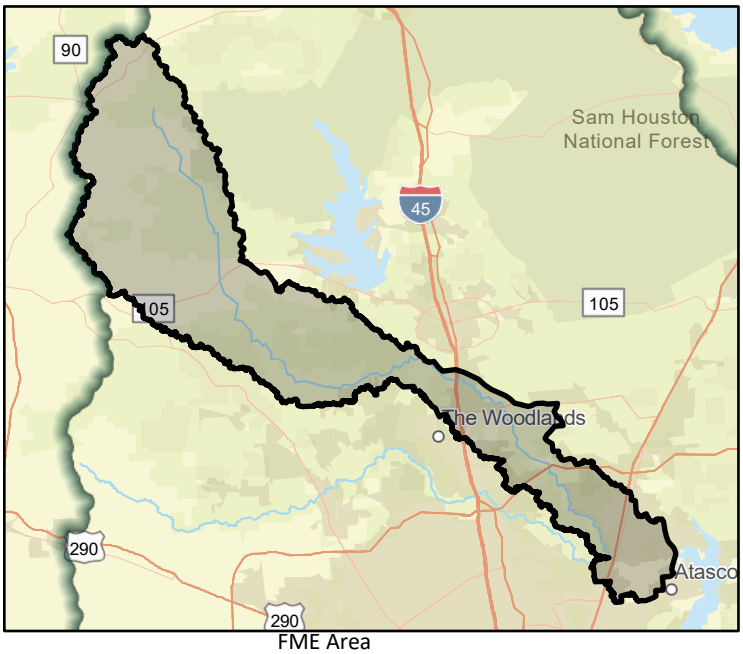
Historical road closures: 11

Estimated Cost and Funding Availability

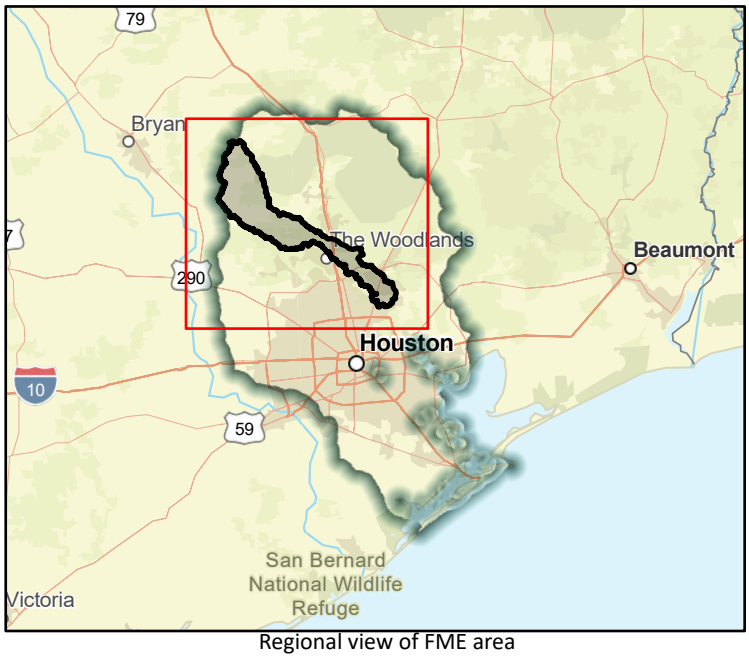
Total Cost: 692,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Peach Creek Detention at N Walker Rd

ID#: 061000645

Sponsor (name of entity, not person): 00000287

RFPG recommend?: Yes | Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Study to determine the feasibility of the implementation of a dry dam detention facility along Peach and Boggy Creek near N Walker Rd to reduce flooding for structures and roadways along Peach Creek.

New Hydrologic or Hydraulic model?: Yes | Emergency Need?: No | Existing/Anticipated models in near term?: Yes

County: Liberty, Montgomery, San Jacinto, Walker | Watershed HUC# (if known): 06000055, 06000047, 06000053, 06000046, 06000048, 06000050,

Drainage area (Square miles, est.): 157.95 | Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 4,918 | # of structures: 2,966 | Critical facilities: 0

Flood risk type: Riverine?: Yes | Coastal?: No | Local?: No | Playa?: No | Other?: No

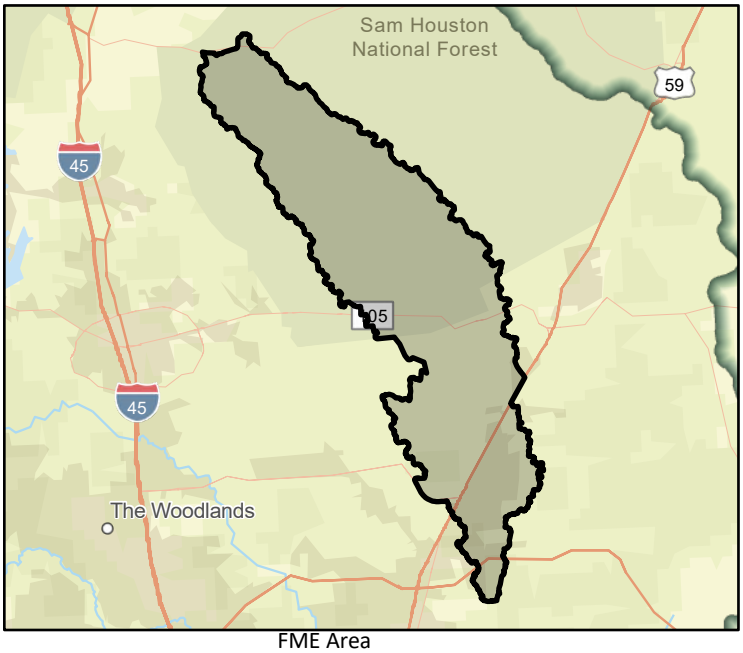
Farm/Ranch land impacted (acres): 27.80 | Roadway(s) impacted (length): 77.54

Number of low water crossings: 9 | Historical road closures: 9

Estimated Cost and Funding Availability

Total Cost: 692,000.00 | Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Peach Creek Detention at SH 105

ID#: 061000646

Sponsor (name of entity, not person): 00000287

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Study to determine the feasibility of the implementation of a dry dam detention facility along Peach Creek near SH 105 to reduce flooding for structures and roadways along Peach Creek.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Liberty, Montgomery, San Jacinto, Walker

Watershed HUC# (if known): 06000055, 06000047, 06000053, 06000046, 06000048, 06000050,

Drainage area (Square miles, est.): 157.95

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 4,918

# of structures: 2,966

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 27.80

Roadway(s) impacted (length): 77.54

Number of low water crossings: 9

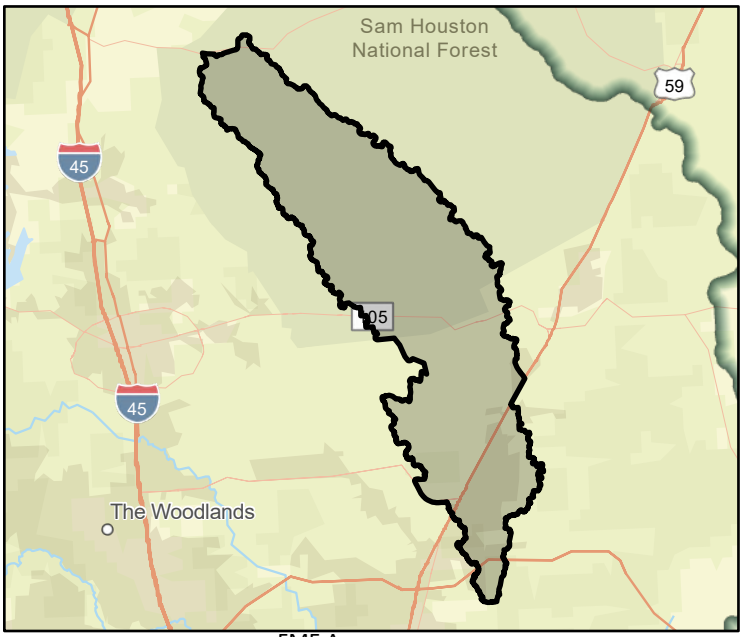
Historical road closures: 9

Estimated Cost and Funding Availability

Total Cost: 692,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Spring Creek Woodlands Channelization (200-ft)

ID#: 061000647

Sponsor (name of entity, not person): 00000287

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Study to determine the feasibility of Spring Creek conveyance improvements from Kuykendahl Road to Willow Creek confluence to reduce flooding for surrounding structures and roadways.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Waller, Montgomery, Grimes

Watershed HUC# (if known):

Drainage area (Square miles, est.): 390.70

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 23,818

# of structures: 4,202

Critical facilities: 44

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 233.13

Roadway(s) impacted (length): 106.51

Number of low water crossings: 27

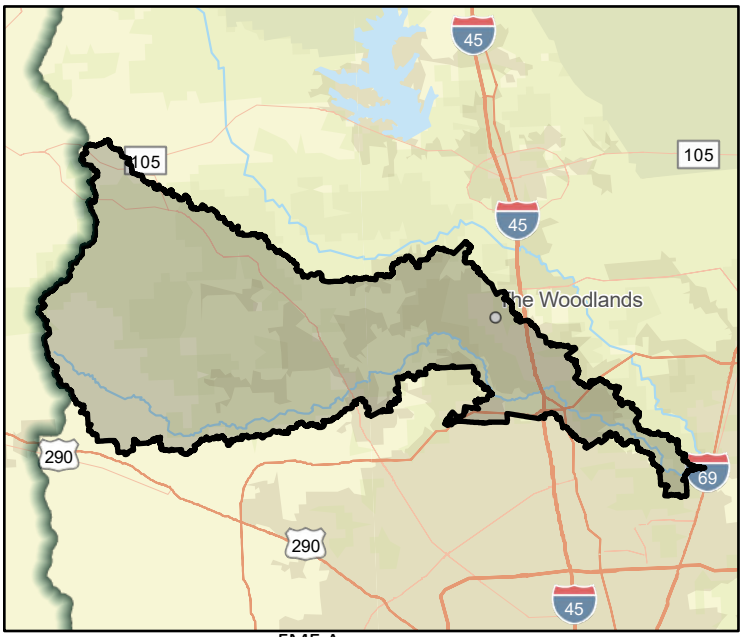
Historical road closures: 27

Estimated Cost and Funding Availability

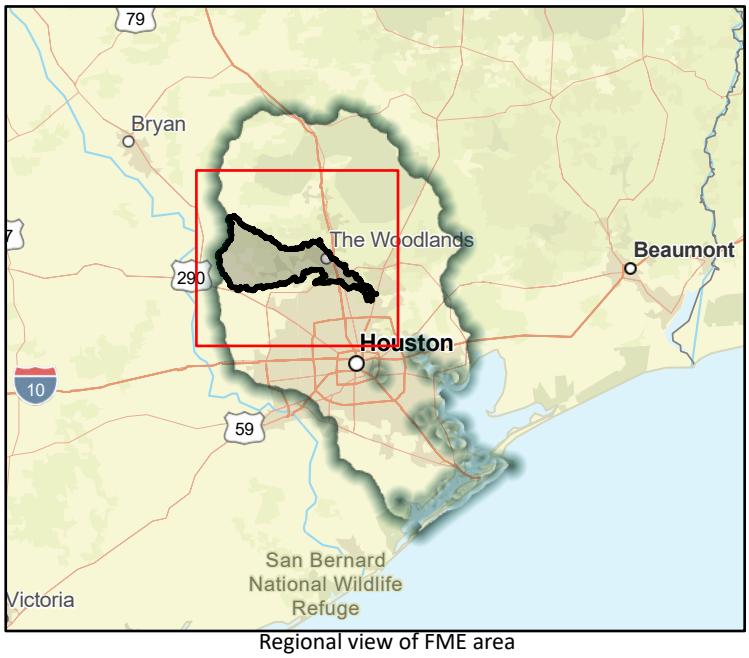
Total Cost: 692,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Spring Creek I-45 Channelization

ID#: 061000648

Sponsor (name of entity, not person): 00000287

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Study to determine the feasibility of Spring Creek conveyance improvements from I-45 to approximately 4 miles downstream of Riley Fuzzel Road to reduce flooding for surrounding structures and roadways.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Waller, Montgomery, Grimes

Watershed HUC# (if known):

Drainage area (Square miles, est.): 390.70

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 23,818

# of structures: 4,202

Critical facilities: 44

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 233.13

Roadway(s) impacted (length): 106.51

Number of low water crossings: 27

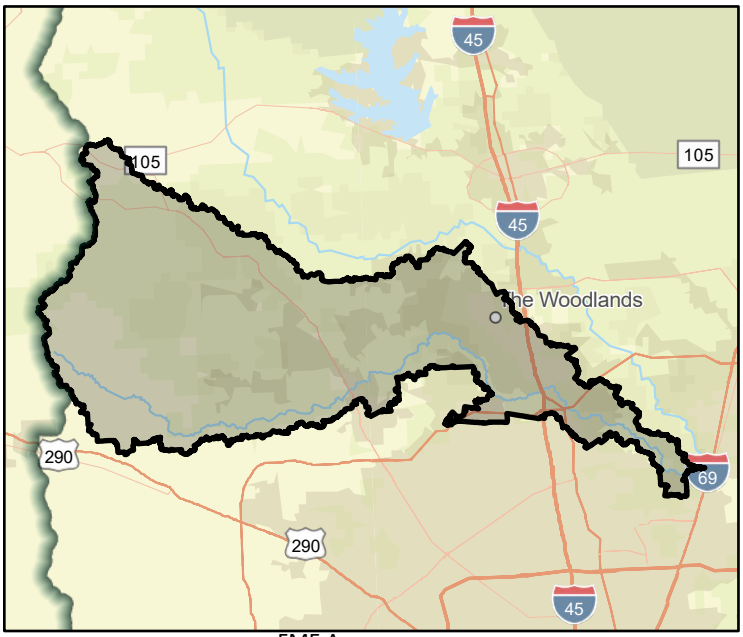
Historical road closures: 27

Estimated Cost and Funding Availability

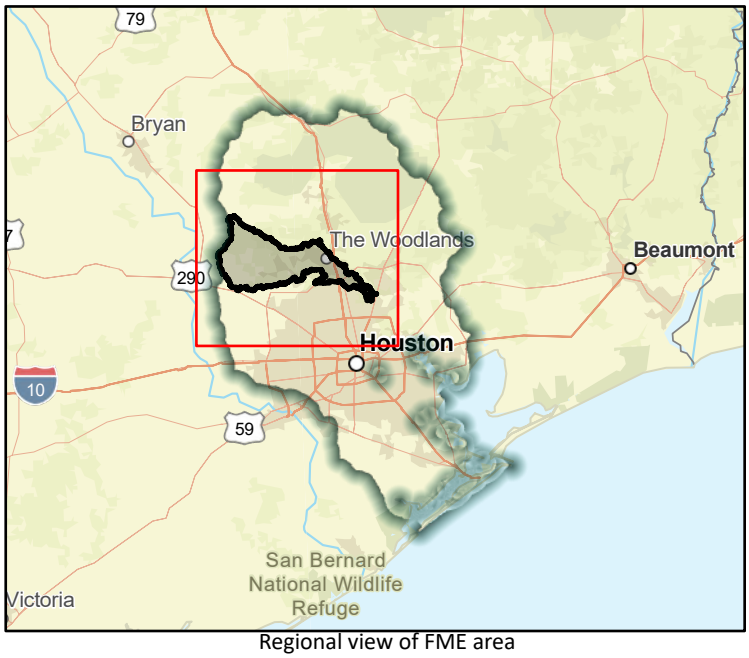
Total Cost: 692,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: West Fork San Jacinto River SH 242 Channelization

ID#: 061000649

Sponsor (name of entity, not person): 00000287

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Study to determine the feasibility of West Fork San Jacinto River channelization near SH 242 to reduce flooding for surrounding structures and roadways.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Montgomery

Watershed HUC# (if known): 06000022, 06000020, 06000025, 06000021, 06000024, 06000023,

Drainage area (Square miles, est.): 179.92

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 33,899

# of structures: 7,857

Critical facilities: 83

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 404.11

Roadway(s) impacted (length): 163.40

Number of low water crossings: 4

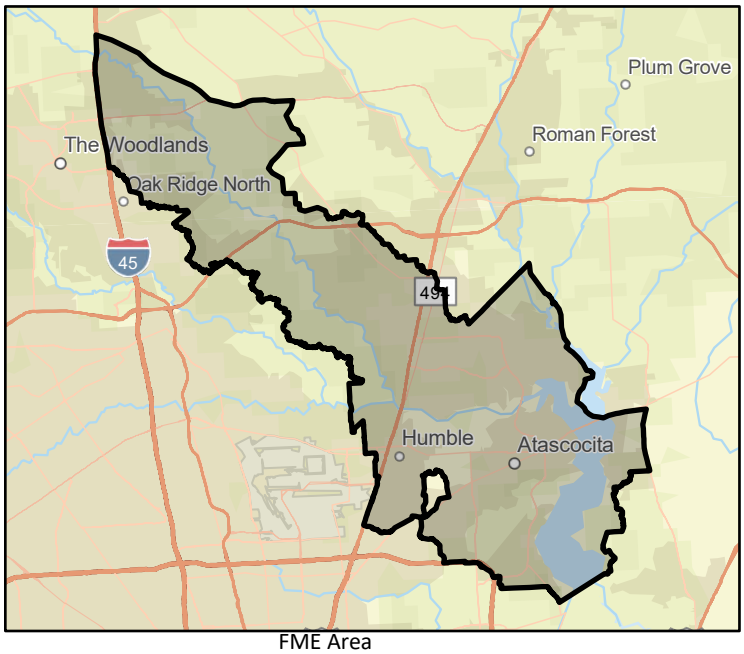
Historical road closures: 4

Estimated Cost and Funding Availability

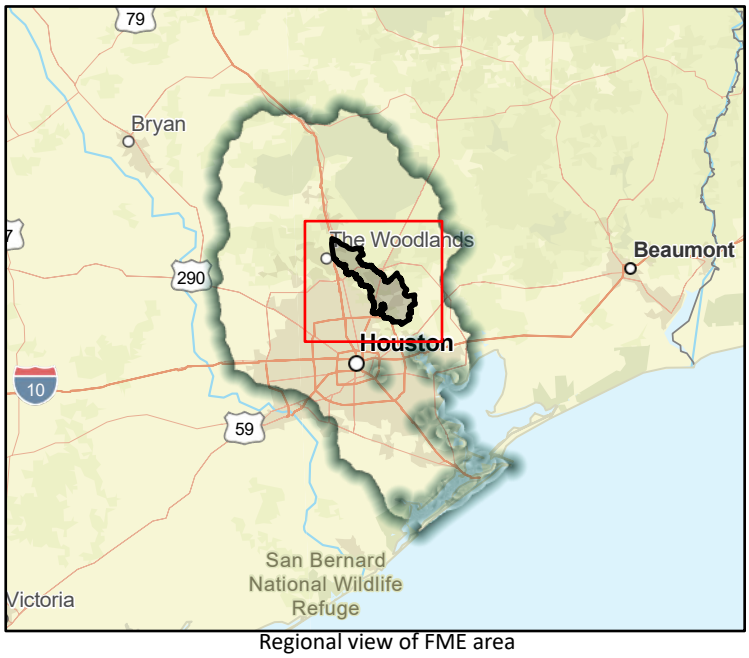
Total Cost: 692,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: East Fork San Jacinto River Winters Bayou Detention

ID#: 061000650

Sponsor (name of entity, not person): 00000287

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Study to determine the feasibility of the implementation of a dry dam detention facility along Winters Bayou to reduce flooding for structures and roadways along the East Fork of the San Jacinto River.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Liberty, Montgomery, San Jacinto,

Watershed HUC# (if known): 06000005, 06000006, 06000024, 06000055, 06000056, 06000053,

Drainage area (Square miles, est.): 408.81

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 5,015

# of structures: 3,722

Critical facilities: 3

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 139.50

Roadway(s) impacted (length): 124.76

Number of low water crossings: 1

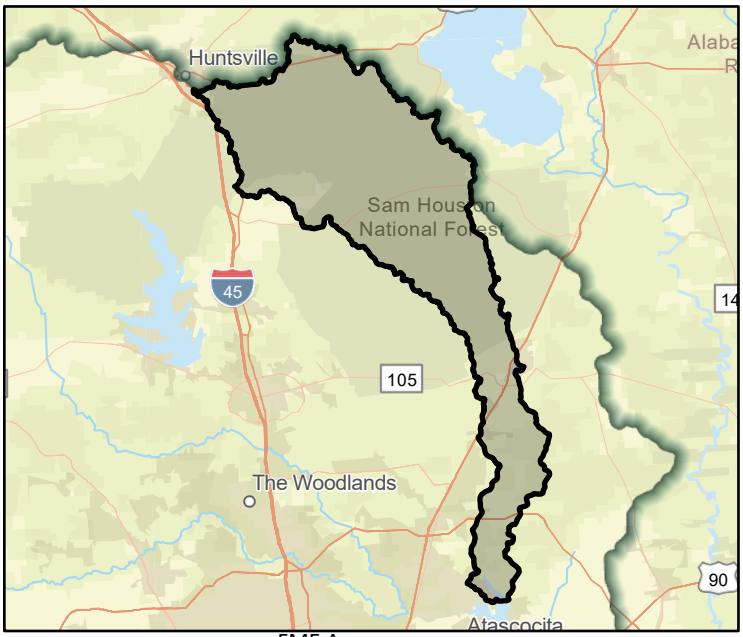
Historical road closures: 1

Estimated Cost and Funding Availability

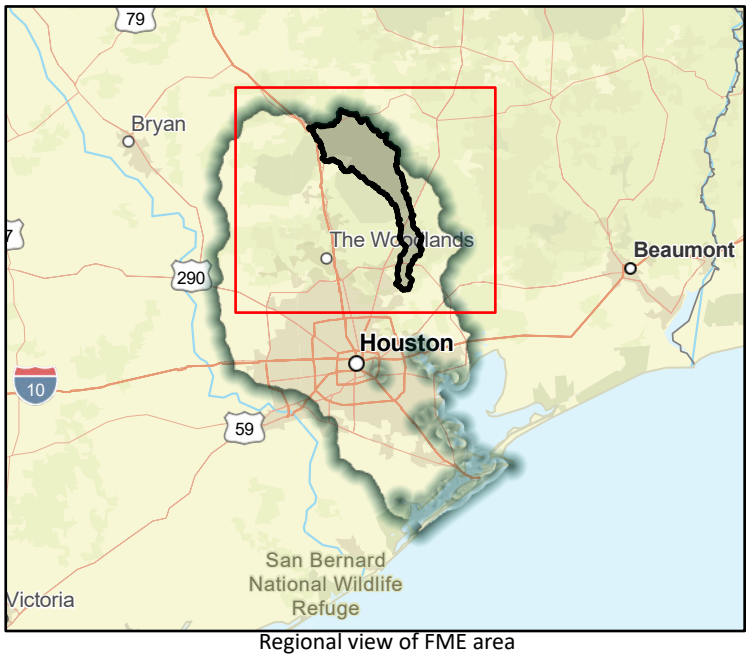
Total Cost: 692,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: West Fork San Jacinto River Kingwood Benching

ID#: 061000651

Sponsor (name of entity, not person): 00000287

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Study to determine the feasibility of West Fork San Jacinto River channelization from I-69 to Lake Houston Parkway to reduce flooding for surrounding structures and roadways.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Montgomery

Watershed HUC# (if known): 06000022, 06000020, 06000025, 06000021, 06000024, 06000023,

Drainage area (Square miles, est.): 179.92

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 33,899

# of structures: 7,857

Critical facilities: 83

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 404.11

Roadway(s) impacted (length): 163.40

Number of low water crossings: 4

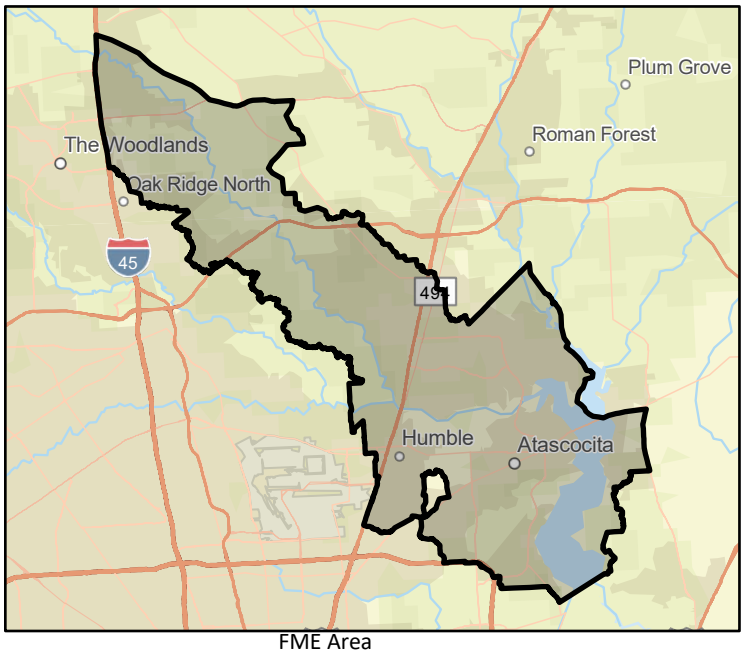
Historical road closures: 4

Estimated Cost and Funding Availability

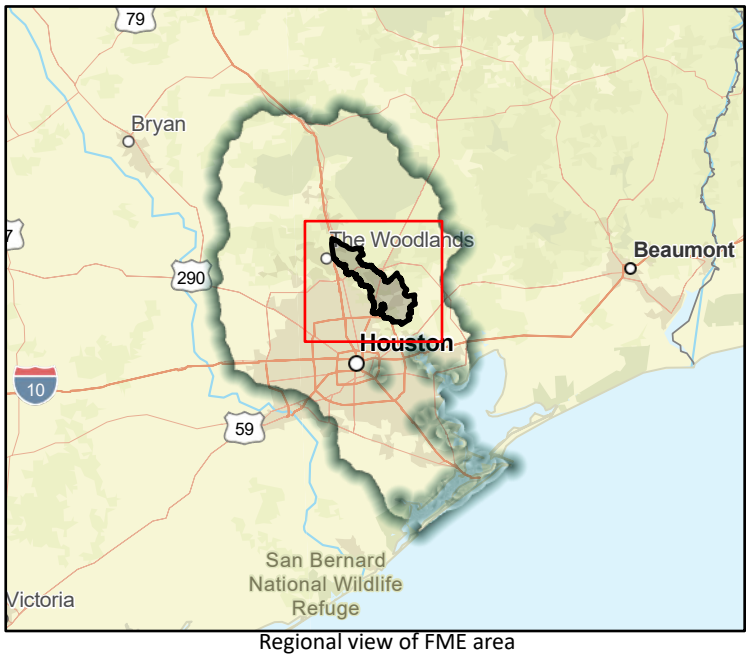
Total Cost: 692,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Peach Creek Channelization at I-69 (I-59)

ID#: 061000652

Sponsor (name of entity, not person): 00000287

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Study to determine the feasibility of Peach Creek channelization from I-69 to FM 1485 to reduce flooding for surrounding structures and roadways.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Liberty, Montgomery, San Jacinto, Walker

Watershed HUC# (if known): 06000055, 06000047, 06000053, 06000046, 06000048, 06000050,

Drainage area (Square miles, est.): 157.95

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 4,918

# of structures: 2,966

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 27.80

Roadway(s) impacted (length): 77.54

Number of low water crossings: 9

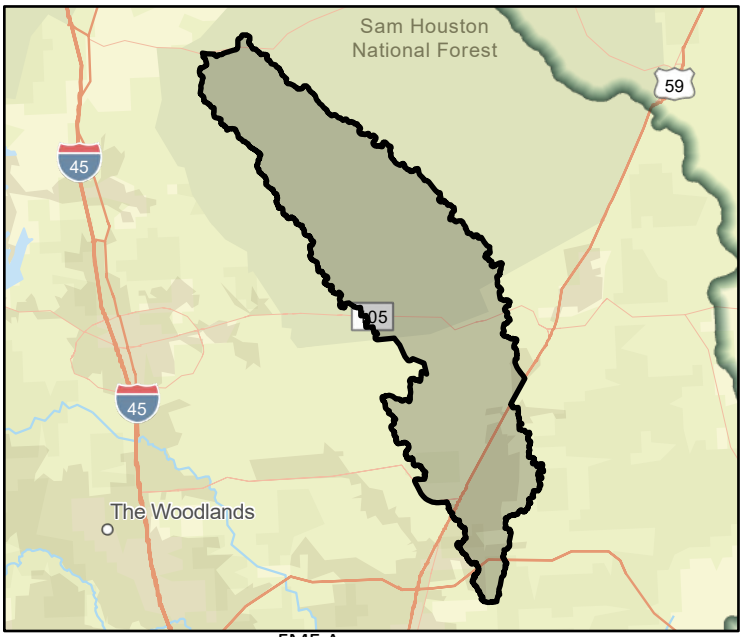
Historical road closures: 9

Estimated Cost and Funding Availability

Total Cost: 692,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Caney Creek Detention at SH 105

ID#: 061000653

Sponsor (name of entity, not person): 00000287

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Study to determine the feasibility of the implementation of a dry dam detention facility near SH 105 on Caney Creek to reduce flooding for structures and roadways along Caney Creek.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Montgomery, Walker

Watershed HUC# (if known): 06000022, 06000005, 06000006, 06000020, 06000008, 06000024,

Drainage area (Square miles, est.): 214.94

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 11,949

# of structures: 5,733

Critical facilities: 14

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 108.76

Roadway(s) impacted (length): 103.00

Number of low water crossings: 15

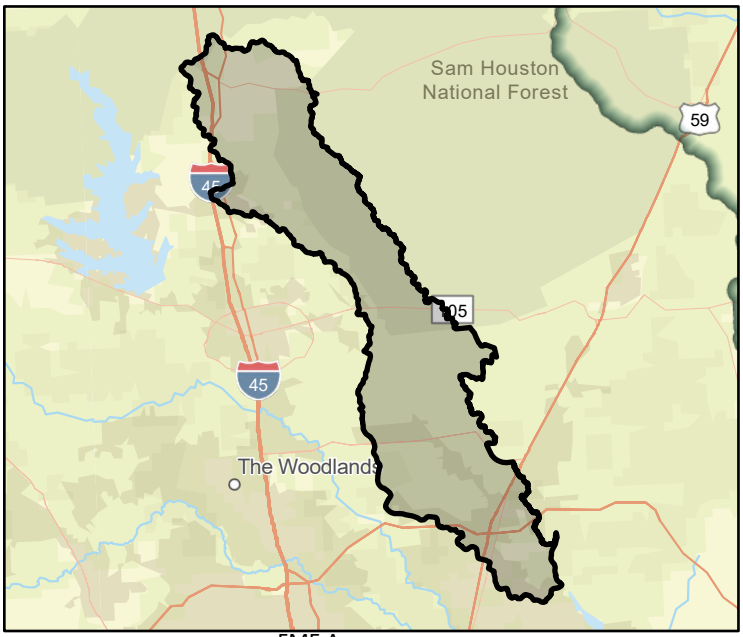
Historical road closures: 15

Estimated Cost and Funding Availability

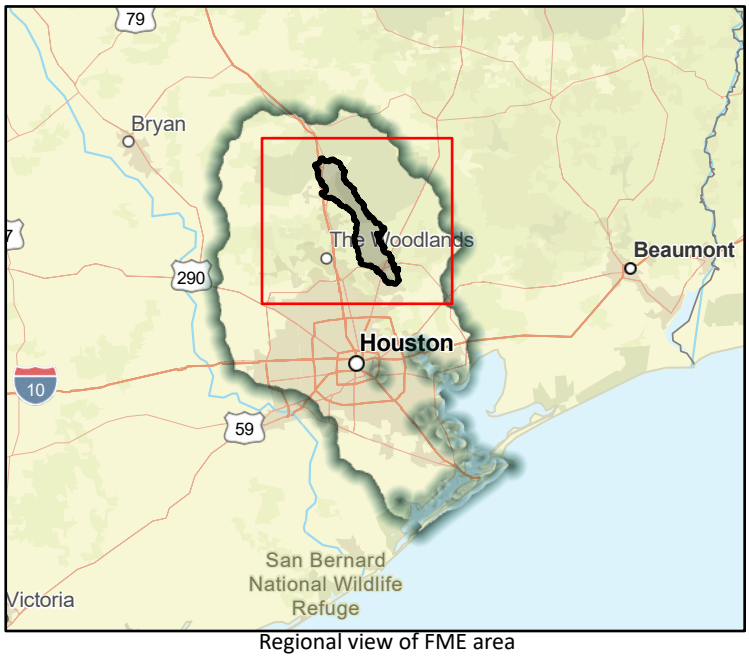
Total Cost: 692,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Caney Creek Channelization at I-69

ID#: 061000654

Sponsor (name of entity, not person): 00000287

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Study to determine the feasibility of Caney Creek channelization from I-69 to confluence with the East Fork San Jacinto River to reduce flooding for surrounding structures and roadways.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Harris, Montgomery, Walker

Watershed HUC# (if known): 06000022, 06000005, 06000006, 06000020, 06000008, 06000024,

Drainage area (Square miles, est.): 214.94

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 11,949

# of structures: 5,733

Critical facilities: 14

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 108.76

Roadway(s) impacted (length): 103.00

Number of low water crossings: 15

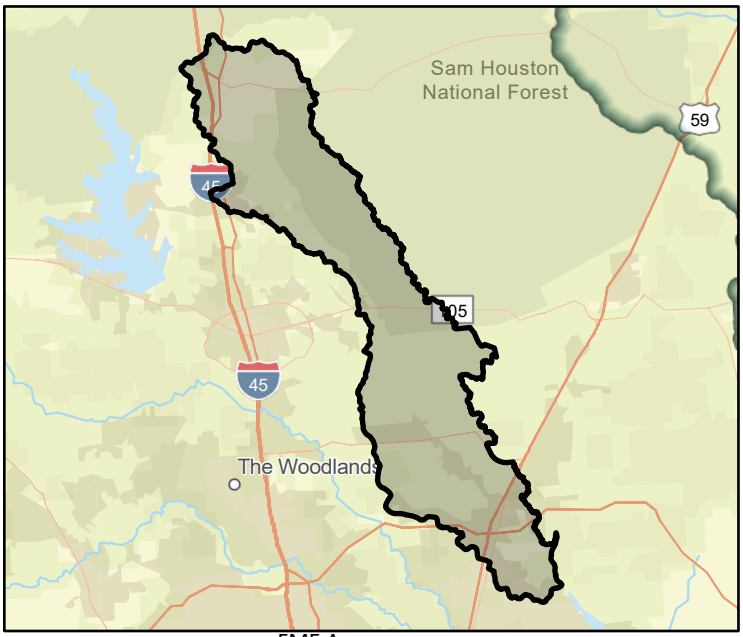
Historical road closures: 15

Estimated Cost and Funding Availability

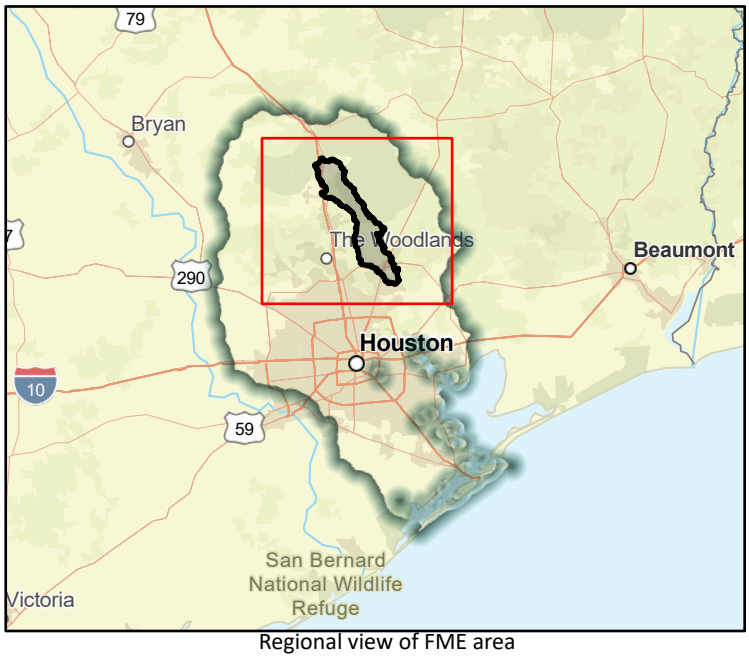
Total Cost: 692,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Upper San Jacinto River Basin Reservoir Feasibility Study

ID#: 061000655

Sponsor (name of entity, not person): 00000287

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Study to find the best location for a dual-purpose reservoir in the Upper San Jacinto River Basin. Focus on East Fork San Jacinto River, Winters Bayou, and Peach Creek. Consider real estate, environmental impacts, cost, and benefits.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: Yes

County: Liberty, Montgomery, San Jacinto, Walker

Watershed HUC# (if known):

Drainage area (Square miles, est.): 747.41

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 14,582

# of structures: 10,458

Critical facilities: 15

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 245.24

Roadway(s) impacted (length): 275.11

Number of low water crossings: 21

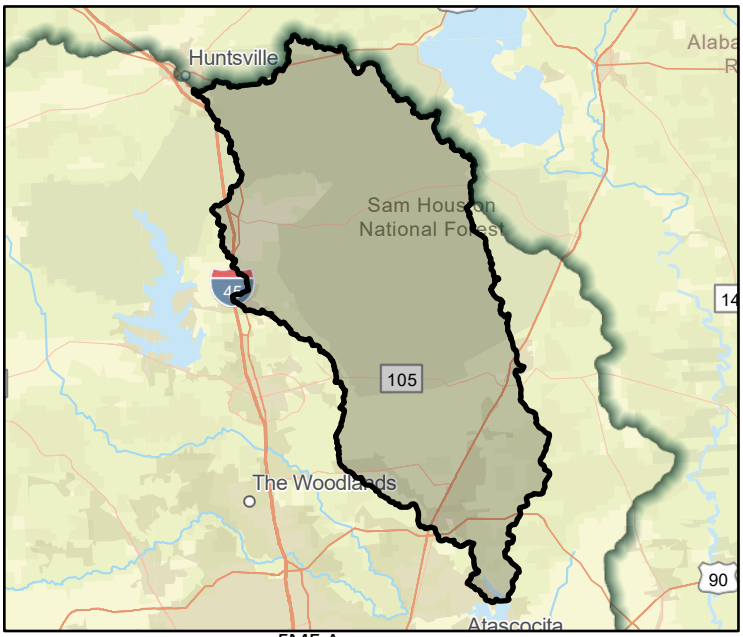
Historical road closures: 21

Estimated Cost and Funding Availability

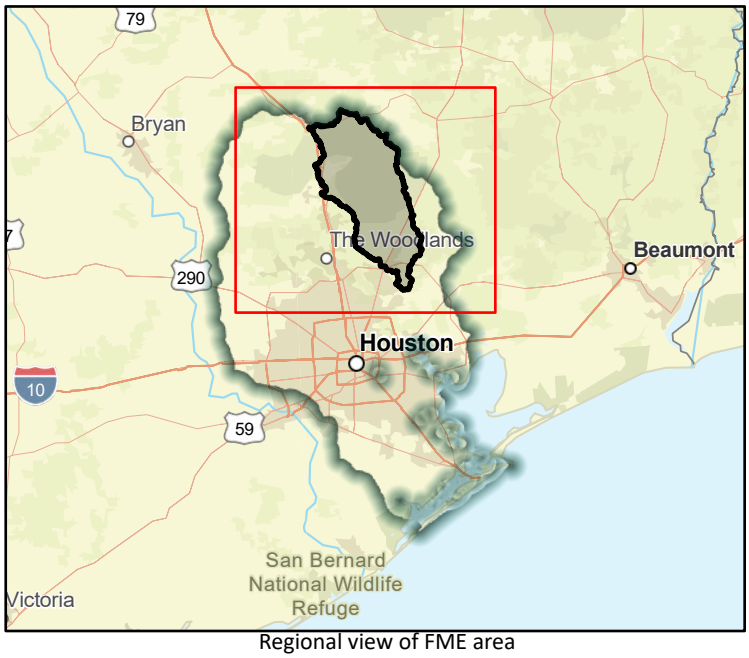
Total Cost: 1,978,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Pinebrook Drainage Improvements Study

ID#: 061000656

Sponsor (name of entity, not person): 00000044

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Watershed Planning

Study description: Hydrologic and hydraulic modeling to identify opportunities to improve conveyance and mitigate flood risk in the Pinebrook subdivision.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Grimes

Watershed HUC# (if known): 06000017, 06000038

Drainage area (Square miles, est.): 9.96

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 2

# of structures: 5

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 1.28

Roadway(s) impacted (length): 0.73

Number of low water crossings: 1

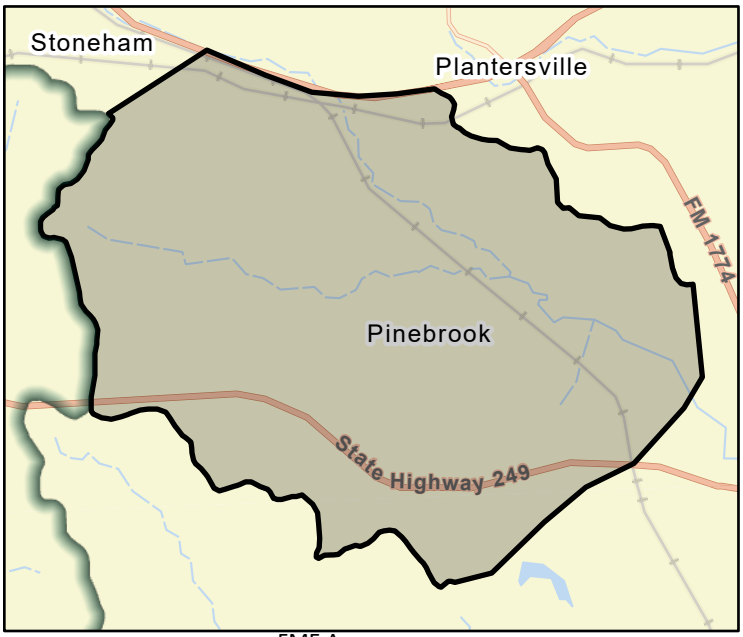
Historical road closures: 1

Estimated Cost and Funding Availability

Total Cost: 85,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Flagtail Creek - Lake Creek and Tributaries Crossing Improvement Study

ID#: 061000657

Sponsor (name of entity, not person): 00000044

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Study crossings in the Flagtail Creek - Lake Creek sub-watershed (including CR 229, CR 233, CR 231, CR 234, CR 232, CR 262, CR 232A, CR 236, CR 217, CR 242, CR 235, and CR 216) and identify projects to improve undersized culverts and low water crossings.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Grimes

Watershed HUC# (if known): 06000001, 06000012, 06000013, 06000003

Drainage area (Square miles, est.): 42.18

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 12

# of structures: 22

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 25.61

Roadway(s) impacted (length): 2.93

Number of low water crossings: 0

Historical road closures: 0

Estimated Cost and Funding Availability

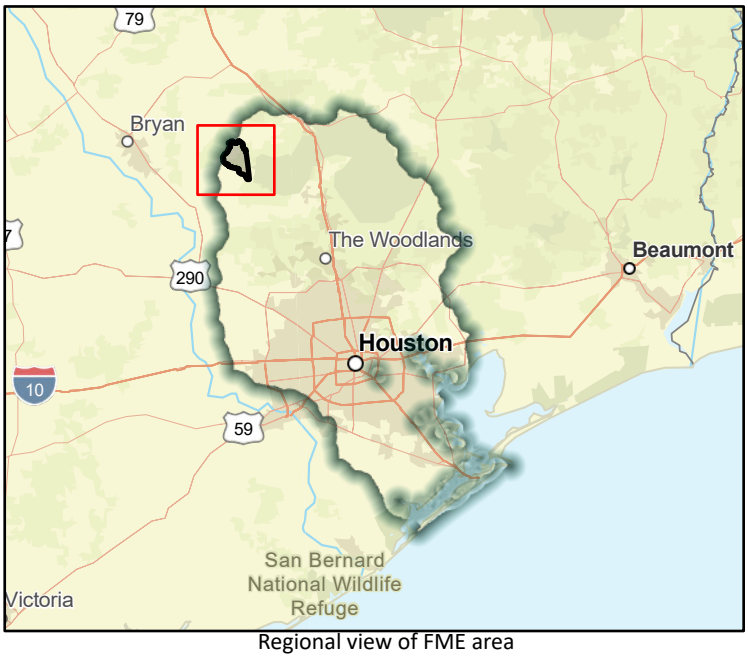
Total Cost: 532,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Garretts Creek and Tributaries Crossing Improvement Study

ID#: 061000658

Sponsor (name of entity, not person): 00000044

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Study crossings in the Garretts Creek sub-watershed (including CR 222, CR 237, CR 220, CR 217, CR 218, Fairview Cemetery Road, CR 240, and CR 212) and identify projects to improve undersized culverts and low water crossings.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Grimes

Watershed HUC# (if known): 06000012, 06000013, 06000014, 06000015

Drainage area (Square miles, est.): 31.16

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 3

# of structures: 1

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 20.15

Roadway(s) impacted (length): 1.09

Number of low water crossings: 0

Historical road closures: 0

Estimated Cost and Funding Availability

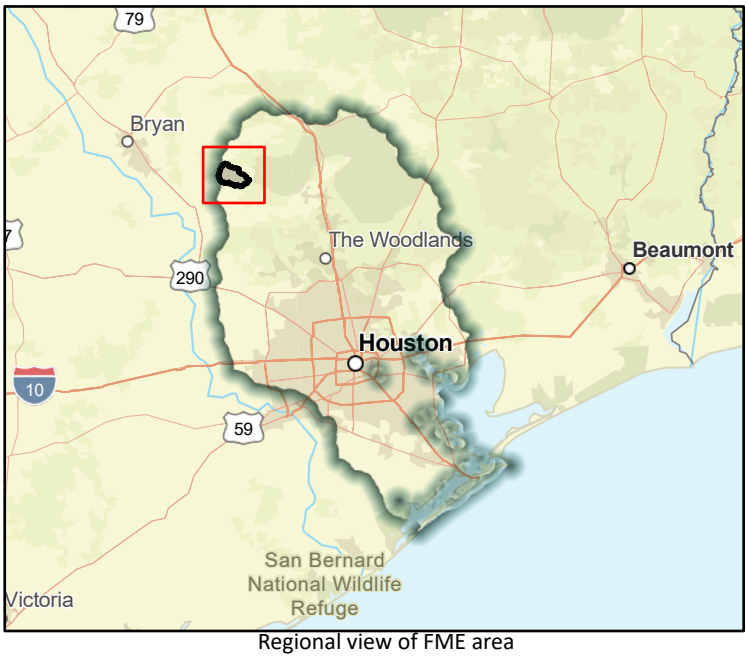
Total Cost: 393,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Haynie Creek - Little Caney Creek and Tributaries Crossing Improvement Study

ID#: 061000659

Sponsor (name of entity, not person): 00000044

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Study crossings in the Haynie Creek - Little Caney Creek sub-watershed (including CR 215, CR 211, CR 213, CR 247, CR 210, and Granite Ridge Drive) and identify projects to improve undersized culverts and low water crossings.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Grimes

Watershed HUC# (if known): 06000013, 06000014, 06000015, 06000016, 06000017

Drainage area (Square miles, est.): 30.86

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures: 3

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 10.47

Roadway(s) impacted (length): 1.08

Number of low water crossings: 0

Historical road closures: 0

Estimated Cost and Funding Availability

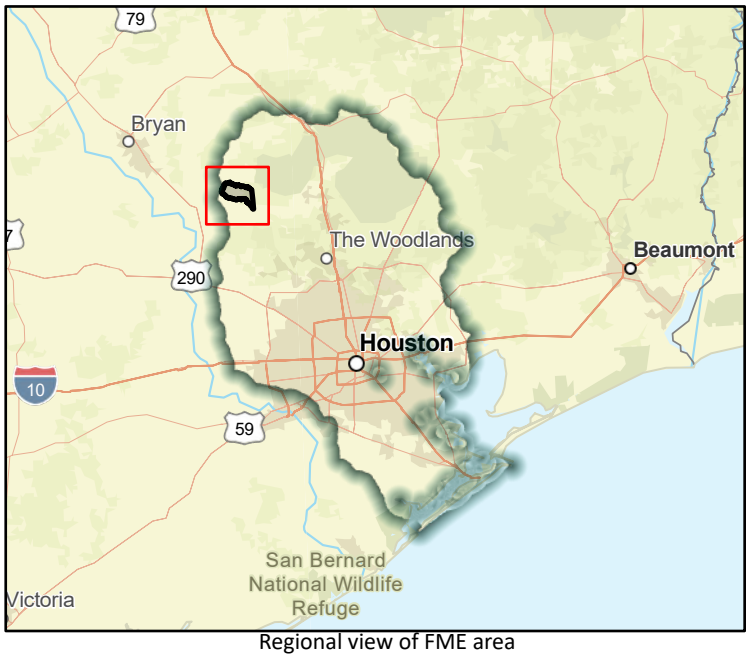
Total Cost: 380,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Sand Creek - Caney Creek and Tributaries Crossing Improvement Study

ID#: 061000660

Sponsor (name of entity, not person): 00000044

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Study crossings in the Sand Creek - Caney Creek sub-watershed (including CR 215, South Oaks Drive, CR 309, CR 208, CR 207, CR 209, CR 206, CR 313, CR 204, and CR 333) and identify projects to improve undersized culverts and low water crossings.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Grimes

Watershed HUC# (if known): 06000015, 06000016, 06000017, 06000038

Drainage area (Square miles, est.): 37.43

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 9

# of structures: 12

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 63.01

Roadway(s) impacted (length): 2.20

Number of low water crossings: 0

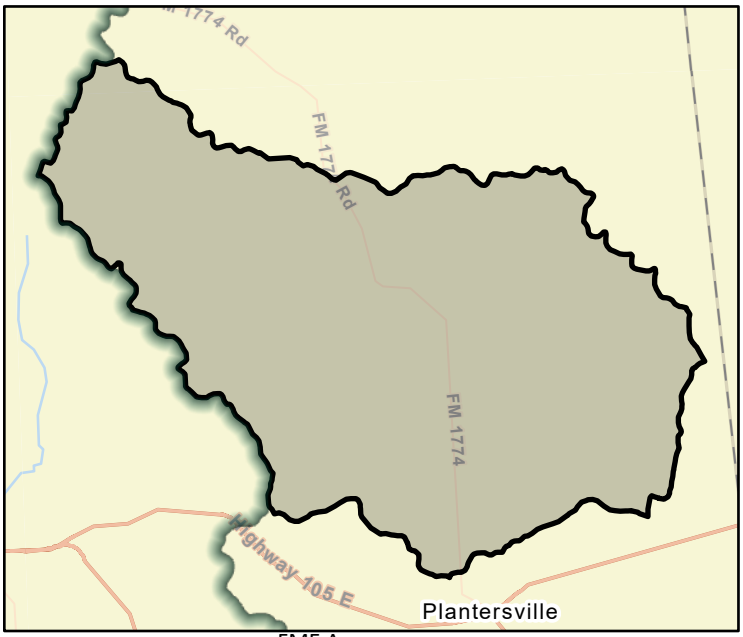
Historical road closures: 0

Estimated Cost and Funding Availability

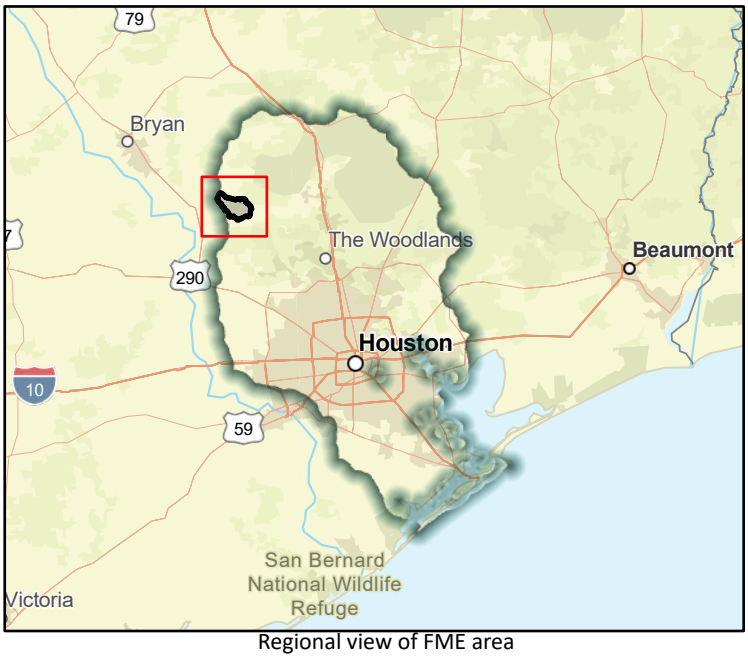
Total Cost: 469,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Town of Dobbin - Lake Creek and Tributaries Crossing Improvement Study

ID#: 061000661

Sponsor (name of entity, not person): 00000044

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Study crossings within the Town of Dobbin - Lake Creek sub watershed (including crossings Askew Road (2x), CR 204 (2x), and CR 203 (4x)) and identify projects to improve undersized culverts and low water crossings.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Grimes

Watershed HUC# (if known): 06000015, 06000016, 06000017, 06000039, 06000038

Drainage area (Square miles, est.): 13.39

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 30

# of structures: 21

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 25.46

Roadway(s) impacted (length): 0.07

Number of low water crossings: 0

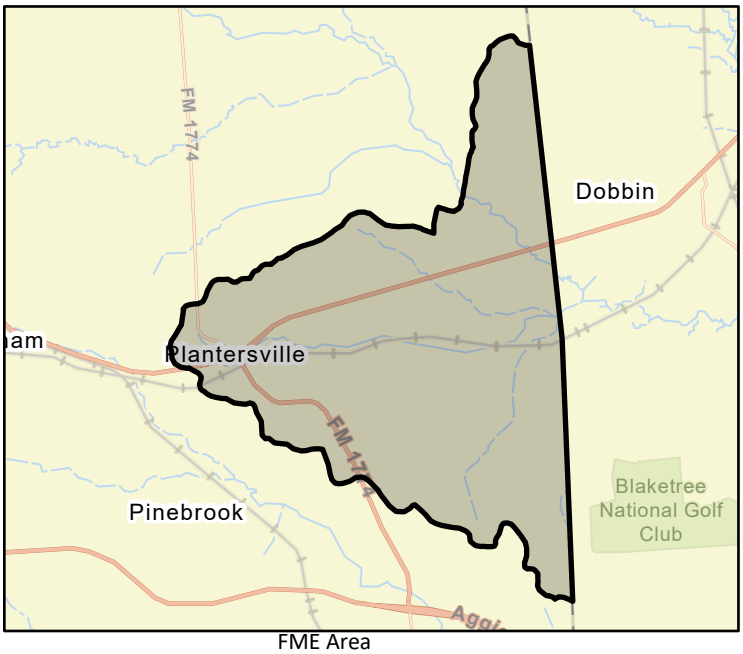
Historical road closures: 0

Estimated Cost and Funding Availability

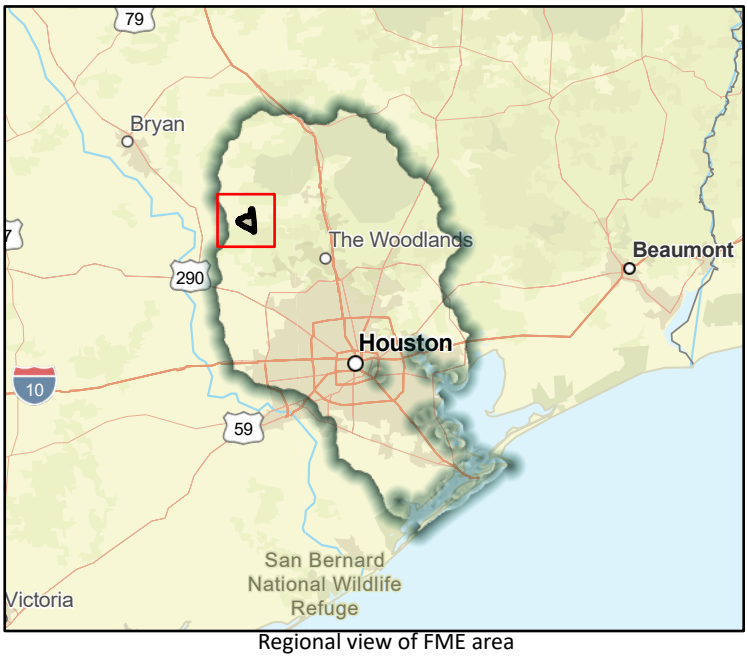
Total Cost: 266,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Hurricane Creek - Mill Creek and Tributaries Crossing Improvement Study

ID#: 061000662

Sponsor (name of entity, not person): 00000044

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Study crossings in the Hurricane Creek - Mill Creek sub-watershed (including Overhill Rd, Mill Creek Run, Magnolia Dr, Oak Forest Dr, Greenway Dr, Inwood Rd, Greenbriar Dr, Deerwood Dr, Vernadel Dr, CR 354, CR 351, CR 201, and more) to improve culverts

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Grimes

Watershed HUC# (if known): 06000016, 06000017, 06000035, 06000039, 06000038

Drainage area (Square miles, est.): 25.21

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 47

# of structures: 59

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 4.94

Roadway(s) impacted (length): 3.15

Number of low water crossings: 1

Historical road closures: 1

Estimated Cost and Funding Availability

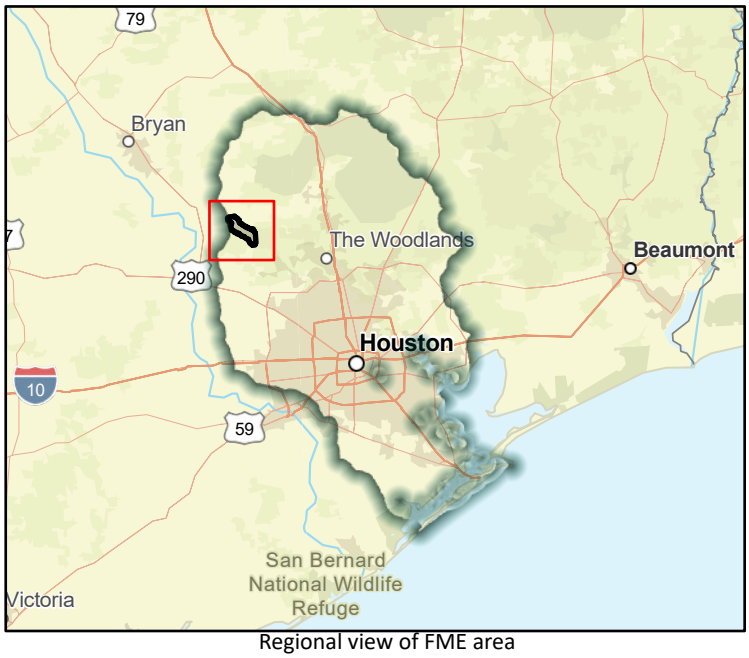
Total Cost: 254,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title: Birch Creek - Walnut Creek and Tributaries Crossing Improvement Study

ID#: 061000663

Sponsor (name of entity, not person): 00000044

RFPG recommend?: Yes

Reason for Recommendation: Pending Approval in March

Study Details

Study type: Project Planning

Study description: Study crossings in Birch Creek - Walnut Creek sub-watershed (various roads) to improve culverts.

New Hydrologic or Hydraulic model?: Yes

Emergency Need?: No

Existing/Anticipated models in near term?: No

County: Grimes

Watershed HUC# (if known): 06000034, 06000035, 06000038

Drainage area (Square miles, est.): 17.06

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 19

# of structures: 26

Critical facilities: 0

Flood risk type: Riverine?: Yes

Coastal?: No

Local?: No

Playa?: No

Other?: No

Farm/Ranch land impacted (acres): 0.92

Roadway(s) impacted (length): 0.27

Number of low water crossings: 0

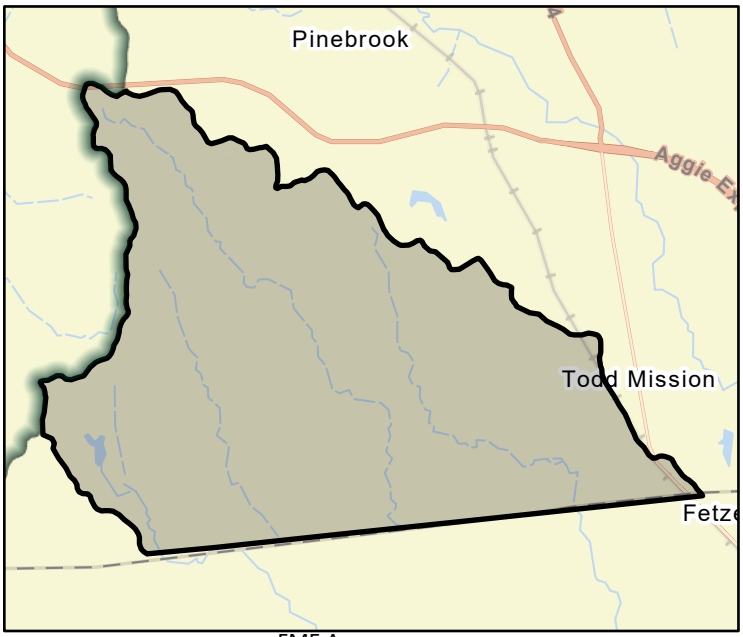
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: 296,000.00

Amount of Available Funding:

Funding source:



FME Area



Regional view of FME area

Appendix 5-6:

Table 15- Recommended FMEs

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000001	Durant Street Storm Sewer and Pavement Improvements - Phase 1	Further study of Durant Street Phase 1 to reduce flood risk with upgrades to storm sewer system, concrete curb, gutter, pavement, and sidewalk.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204
061000002	Durant Street Storm Sewer and Pavement Improvements - Phase 2	Further study of Durant Street Phase 2 to reduce flood risk with upgrades to storm sewer system, concrete curb, gutter, pavement, and sidewalk.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204
061000003	City of Arcola Regional Drainage Improvements	Further study of proposed flood risk reduction project that includes various drainage improvement alternatives.	06000001, 06000011, 06000012, 06000015	Fort Bend	12040204
061000004	City of Stafford Drainage Improvements	Further study of proposed flood risk reduction project that includes drainage improvements to the Stafford Oaks neighborhood.	06000001, 06000011, 06000012, 06000015	Fort Bend	999999
061000005	Missouri City Estates Drainage Improvements	Further study of proposed flood risk reduction project that includes drainage improvements to Missouri City Estates.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris	12040104
061000011	City of Galveston Master Drainage Study	City wide drainage and flood risk reduction planning study of Galveston to include Atlas 14 rainfall.	06000001, 06000010, 06000015	Galveston	12040204
061000013	City of Bellaire Local Drainage System Asset Management	Study to develop asset management plan / capital improvement plan to repair/replace local drainage infrastructure over time to ensure it is in good working order and meeting the level of service desired by the City.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000014	City of Bellaire Regional Detention Facilities Development	Effort to identify and develop/design regional detention facilities to either provide flood risk reduction or to facilitate the construction of local or regional drainage improvement projects.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000015	City of Bellaire Cypress Ditch Drainage Improvements	Perform engineering services to develop and advance a flood risk reduction project in the Cypress Ditch area, servicing the southern part of the City of Bellaire.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000016	City of Bunker Hill Drainage Projects	Further study of proposed localized and regional flood risk reduction projects within the City of Bunker Hill.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000017	City of Bunker Hill Master Drainage and Stormwater Management Plan	Further study of Master Drainage and Stormwater Management Plan for the City of Bunker Hill to include Atlas 14 rainfall.	06000001, 06000010, 06000015	Harris	12040104
061000022	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Dickinson Bayou Alternative 2	Further refine the DB Alt. 2 in the LCCDBFMP (2021), including alternative analysis to McFarland Detention Basin, W Cemetery Rd. Detention Basin, Hilton Detention Basin, Magnolia Bayou & Borden Gully Detention Basins, and Diversion Channel at Desel Dr..	06000001, 06000011, 06000012, 06000015	Brazoria, Galveston, Fort Bend, Chambers, Harris	12040204
061000024	Williamsburg Subdivision Drainage Assessment	Further study of a flood risk reduction project in the Williamsburg Subdivision which includes additional detail for the design of a required weir structure.	06000001, 06000011, 06000012, 06000015	Harris	12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000001	Durant Street Storm Sewer and Pavement Improvements - Phase 1	120402040200, 120402040400, 120402040100	06000107, 06000109, 06000106	Project Planning	0.002	Urban/Local	City of Alvin	West Brazoria County Drainage District, Brazoria, Alvin, Galveston
061000002	Durant Street Storm Sewer and Pavement Improvements - Phase 2	120402040200, 120402040400, 120402040100	06000107, 06000109, 06000106	Project Planning	0.002	Urban/Local	City of Alvin	West Brazoria County Drainage District, Brazoria, Alvin, Galveston
061000003	City of Arcola Regional Drainage Improvements	120402040400	06000109	Project Planning	2.60	Urban/Local	City of Arcola	Fort Bend, Arcola
061000004	City of Stafford Drainage Improvements	999999	999999	Project Planning	0.48	Urban/Local	City of Stafford	Fort Bend, Stafford
061000005	Missouri City Estates Drainage Improvements	120401040401	06000083	Project Planning	0.11	Urban/Local	City of Stafford	Fort Bend, Stafford, Harris
061000011	City of Galveston Master Drainage Study	120402040300, 120402040200, 120402040400, 120402040500	06000108, 06000107, 06000109, 06000110	Watershed Planning	211.08	Coastal, Urban/Local	City of Galveston	Galveston, Galveston
061000013	City of Bellaire Local Drainage System Asset Management	120401040402, 120401040401	06000084,06000083	Project Planning	3.58	Urban/Local	City of Bellaire	Bellaire, Harris County Flood Control District, Harris
061000014	City of Bellaire Regional Detention Facilities Development	120401040402, 120401040401	06000084,06000083	Project Planning	3.58	Urban/Local	City of Bellaire	Bellaire, Harris County Flood Control District, Harris
061000015	City of Bellaire Cypress Ditch Drainage Improvements	120401040402, 120401040401	06000084,06000083	Project Planning	3.58	Urban/Local	City of Bellaire	Bellaire, Harris County Flood Control District, Harris
061000016	City of Bunker Hill Drainage Projects	120401040303	06000080	Project Planning	1.44	Urban/Local	City of Bunker Hill Village	Bellaire, Harris County Flood Control District, Harris
061000017	City of Bunker Hill Master Drainage and Stormwater Management Plan	120401040303	06000080	Watershed Planning	1.44	Urban/Local	City of Bunker Hill Village	Bellaire, Harris County Flood Control District, Harris
061000022	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Dickinson Bayou Alternative 2	120402040300, 120402040200, 120402040400, 120402040500, 120402040100	06000108,06000107,06000109,06000110,06000106	Project Planning	86.02	Riverine, Coastal, Urban/Local	City of League City	Harris, Harris County Flood Control District, Galveston
061000024	Williamsburg Subdivision Drainage Assessment	120401040104	06000074	Project Planning	12.76	Riverine, Urban/Local	Harris County	Houston, Harris County Flood Control District, Harris, Katy

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000001	Durant Street Storm Sewer and Pavement Improvements - Phase 1	No	$ 110,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000002	Durant Street Storm Sewer and Pavement Improvements - Phase 2	No	$ 90,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000003	City of Arcola Regional Drainage Improvements	No	$ 233,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000004	City of Stafford Drainage Improvements	No	$ 300,000.00	No	Not located within Region 6.
061000005	Missouri City Estates Drainage Improvements	No	$ 100,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000011	City of Galveston Master Drainage Study	No	$ 1,000,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000013	City of Bellaire Local Drainage System Asset Management	No	$ 300,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000014	City of Bellaire Regional Detention Facilities Development	No	$ 1,000,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000015	City of Bellaire Cypress Ditch Drainage Improvements	No	$ 1,000,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000016	City of Bunker Hill Drainage Projects	No	$ 100,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000017	City of Bunker Hill Master Drainage and Stormwater Management Plan	No	$ 170,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000022	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Dickinson Bayou Alternative 2	No	$ 1,090,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000024	Williamsburg Subdivision Drainage Assessment	No	$ 1,260,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

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FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000025	Preliminary Drainage & Infrastructure Improvements Happy Hide A Way Subdivison	Additional analysis in the Jackson Bayou watershed, specifically along R102-00-00, is needed to determine the necessary improvements and provide a no impact solution.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000026	Bridgewater Village & Enclave at Bridgewater Drainage Analysis	Alternative analysis and assessment of additional protection of basin needed during design to control flows for 100-yr event.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000027	Lake Shadows Subdivision Drainage Improvements	Further study and development of a FMP of recommended alternative 5 which includes installing the Foley trunk line downstream of the pipelines, upsizing and installing new outfalls, and installing the Belle Cote trunk line.	06000001, 06000011, 06000012, 06000015	Harris	12040101, 12040104
061000028	Gum Gully Rd, W Stroker Rd, Wigwam Ln, and Related Infrastructure Drainage Improvements	Further study as report recommendation (2019) indicates that regional drainage improvements to the streams must be studied and implemented before Harris County can obtain a benefit from roadway drainage improvements.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000029	Spanish Cove Subdivision Drainage Assessment	Additional analysis needed to confirm no negative effects. It is expected the larger channel can safely convey the increase in flows, but this must be demonstrated during the project design phase.	06000001, 06000011, 06000012, 06000015	Harris	12040101, 12040104
061000031	Shoreacres Drainage Assessment	Further analysis necessary to determine downstream impacts and whether any additional volume in A104-11-00 would be available during a coincident event on Taylor Bayou.	06000001, 06000011, 06000012, 06000015	Chambers, Harris	12040204
061000032	Overflow Flooding between Burlington Northern RR and Huffsmith-Kohrville Rd	Willow Creek - Overflow Flooding between Burlington Northern Railroad and Hufsmith-Kohrville Rd	06000001, 06000011, 06000012, 06000015	Harris	12040102
061000034	Galveston Bay Watershed Plan - Analysis of PA07 100-year Conveyance Project	Galveston Bay Watershed Plan - Analysis of PA07 100-year Conveyance Project	06000001, 06000011, 06000012, 06000015	Chambers, Harris	12040204, 12040104
061000035	Galveston Bay Watershed Plan - Analysis of PA08 100-year Conveyance Project	Galveston Bay Watershed Plan - Analysis of PA08 100-year Conveyance Project	06000001, 06000011, 06000012, 06000015	Chambers, Harris	12040204, 12040104
061000037	City of Alvin Flood Gauges	Study to identify areas where best to purchase additional flood gauges to be placed at bayous and key high water areas within City of Alvin.	06000001, 06000011, 06000012, 06000015	Brazoria, Galveston, Fort Bend	12040204
061000038	Brazoria County Costal River Flood Extent Analysis	Study to determine flood extents, in Brazoria County, of recent hurricane disasters, by analyzing the post event aerial imagery through a GIS image classification process, and compare the flood extent area to other sources, such as LIDAR.	06000001, 06000010, 06000015	Brazoria	12040204

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000025	Preliminary Drainage & Infrastructure Improvements Happy Hide A Way Subdivison	120401040704	06000096	Project Planning	0.26	Riverine, Urban/Local	Harris County	Harris County Flood Control District, Harris
061000026	Bridgewater Village & Enclave at Bridgewater Drainage Analysis	120401040203	06000077	Project Planning	0.17	Riverine, Urban/Local	Harris County	Houston, Harris County Flood Control District, Harris
061000027	Lake Shadows Subdivision Drainage Improvements	120401010502, 120401040704	06000025,06000096	Project Planning	1.44	Urban/Local	Harris County	Harris County Flood Control District, Harris
061000028	Gum Gully Rd, W Stroker Rd, Wigwam Ln, and Related Infrastructure Drainage Improvements	120401040704	06000096	Project Planning	0.50	Riverine, Urban/Local	Harris County	Harris County Flood Control District, Harris
061000029	Spanish Cove Subdivision Drainage Assessment	120401010502, 120401040704	06000025,06000096	Project Planning	0.79	Riverine, Urban/Local	Harris County	Harris County Flood Control District, Harris
061000031	Shoreacres Drainage Assessment	120402040100	06000106	Project Planning	0.96	Riverine, Urban/Local	City of Shoreacres	Shoreacres, Harris County Flood Control District, Harris
061000032	Overflow Flooding between Burlington Northern RR and Huffsmith-Kohrville Rd	120401020106, 120401020105, 120401020205, 120401020210, 120401020209, 120401020212	06000031,06000030,06000037,06000042,06000041,06000044	Project Planning	2.17	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Tomball, Harris County Flood Control District, Harris
061000034	Galveston Bay Watershed Plan - Analysis of PA07 100-year Conveyance Project	120401040706, 120402040100	06000098,06000106	Project Planning	19.29	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	La Porte, Harris County Flood Control District, Harris
061000035	Galveston Bay Watershed Plan - Analysis of PA08 100-year Conveyance Project	120401040706, 120402040100	06000098,06000106	Project Planning	19.29	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	La Porte, Harris County Flood Control District, Harris
061000037	City of Alvin Flood Gauges	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Project Planning	25.09	Urban/Local	City of Alvin	Brazos River Authority, West Brazoria County Drainage District, Alvin
061000038	Brazoria County Costal River Flood Extent Analysis	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Watershed Planning	1481.87	Riverine	Brazoria County	Brazos River Authority, West Brazoria County Drainage District, Brazoria, Gulf Coast Protection District

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000025	Preliminary Drainage & Infrastructure Improvements Happy Hide A Way Subdivison	No	$ 110,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000026	Bridgewater Village & Enclave at Bridgewater Drainage Analysis	No	$ 750,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000027	Lake Shadows Subdivision Drainage Improvements	No	$ 280,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000028	Gum Gully Rd, W Stroker Rd, Wigwam Ln, and Related Infrastructure Drainage Improvements	No	$ 130,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000029	Spanish Cove Subdivision Drainage Assessment	No	$ 150,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000031	Shoreacres Drainage Assessment	No	$ 100,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000032	Overflow Flooding between Burlington Northern RR and Huffsmith-Kohrville Rd	Yes	$ 590,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000034	Galveston Bay Watershed Plan - Analysis of PA07 100-year Conveyance Project	Yes	$ 400,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000035	Galveston Bay Watershed Plan - Analysis of PA08 100-year Conveyance Project	Yes	$ 800,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000037	City of Alvin Flood Gauges	No	$ 50,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000038	Brazoria County Costal River Flood Extent Analysis	No	$ 50,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000039	City of Alvin Master Drainage Plan	Comprehensive review of current drainage, studies and recommendations for future projects and studies to create a Master Drainage Plan for the City of Alvin.	06000001, 06000011, 06000012, 06000015	Brazoria, Galveston, Fort Bend	12040204
061000040	City of Alvin Open Space Preservation	Study for open space preservation within adjacent development, dedication of conservation easements or fee simple acquisition of land along Mustang Bayou.	06000001, 06000010, 06000015	Brazoria, Galveston, Fort Bend	12040204
061000041	City of Manvel SH. 6 Drainage Improvements	Further study of state Highway 6 drainage improvements, including storm sewer upgrades to meet current capacities, ditch deepening, and sub regional detention ponds. Project will also widen and reshape ditches, and upgrade culverts.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204
061000042	Chambers County Dam and Levee Failure Inundation Map Update	Further study for all participating jurisdiction to update dam and levee failure inundation maps, and update floodplain and floodway maps throughout the county. The updated maps will also be made available to the public.	06000001, 06000010, 06000015	Chambers	12040203
061000043	City of Alvin Detention Pond Construction - Mustang and Dickinson Bayou	Further assessment and design of detention ponds needed along Mustang and Dickinson Bayous to reduce flood risk in the City of Alvin.	06000001, 06000011, 06000012, 06000015	Brazoria, Galveston, Fort Bend	12040204
061000044	Chambers County Property Protection	Study to determine flood risk reduction potential of clearing obstacles, widen and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding throughout all participating jurisdictions.	06000001, 06000011, 06000012, 06000015	Chambers	12040203
061000045	City of Manvel Flora St. Drainage Improvements	Study of possbile Flora Street drainage improvements: widen and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding in Manvel neighborhoods.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204
061000046	Brazoria County Drainage Improvements	Drainage study needed and evaluated of alternatives include: Widen and reshape drainage ditches, and upgrade culverts to restore adequate drainage to mitigate flooding.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204
061000047	City of Manvel Various Drainage Improvements	Study of various drainage improvements, including storm sewer rehabilitation and ditch deepening.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204
061000048	Brazoria County Property Protection	Further study required to assess alternatives to restore drainage and mitigate flooding throughout the county.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204
061000049	City of Hillcrest Village Drainage Improvements	Further study and FMP developement required to assess alternatives to restore drainage and mitigate flooding throughout the City of Hillcrest Village.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204
061000050	West Chocolate Bayou (CR 383 Ditch)	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	06000001, 06000011, 06000012, 06000015	Brazoria, Fort Bend	12040204

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FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000039	City of Alvin Master Drainage Plan	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Watershed Planning	25.09	Urban/Local	City of Alvin	West Brazoria County Drainage District, Brazoria, Alvin
061000040	City of Alvin Open Space Preservation	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Watershed Planning	25.09	Riverine, Urban/Local	City of Alvin	West Brazoria County Drainage District, Brazoria, Alvin
061000041	City of Manvel SH. 6 Drainage Improvements	120402040200, 120402040400, 120402040100	06000107,06000109,06000106	Project Planning	27.41	Urban/Local	City of Manvel	West Brazoria County Drainage District, Brazoria, Manvel
061000042	Chambers County Dam and Levee Failure Inundation Map Update	120402030105, 120402030104, 120402030106, 120402030200	06000103,06000102,06000104,06000105	Watershed Planning	865.55	Urban/Local	Chambers County	Gulf Coast Protection District, Chambers, Liberty County Water Control District 1
061000043	City of Alvin Detention Pond Construction - Mustang and Dickinson Bayou	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Project Planning	25.09	Riverine	City of Alvin	Montgomery, Conroe
061000044	Chambers County Property Protection	120402030105, 120402030104, 120402030106, 120402030200	06000103,06000102,06000104,06000105	Project Planning	865.55	Urban/Local	Chambers County	Chambers, Trinity River Authority of Texas, Liberty County Water Control District 1
061000045	City of Manvel Flora St. Drainage Improvements	120402040200, 120402040400, 120402040100	06000107,06000109,06000106	Project Planning	27.41	Urban/Local	City of Manvel	Montgomery, Conroe
061000046	Brazoria County Drainage Improvements	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Project Planning	1481.87	Urban/Local	Brazoria County	Montgomery, Conroe
061000047	City of Manvel Various Drainage Improvements	120402040200, 120402040400, 120402040100	06000107,06000109,06000106	Project Planning	27.41	Urban/Local	City of Manvel	Montgomery, Conroe
061000048	Brazoria County Property Protection	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Project Planning	1481.87	Urban/Local	Brazoria County	Montgomery, Conroe
061000049	City of Hillcrest Village Drainage Improvements	120402040400	06000109	Project Planning	0.44	Urban/Local	City of Hillcrest Village	Montgomery, Conroe
061000050	West Chocolate Bayou (CR 383 Ditch)	120402040400	06000109	Project Planning	3.37	Riverine	Brazoria Drainage District 4	Montgomery, Conroe

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000039	City of Alvin Master Drainage Plan	No	$ 100,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000040	City of Alvin Open Space Preservation	No	$ 500,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000041	City of Manvel SH. 6 Drainage Improvements	No	$ 3,000,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000042	Chambers County Dam and Levee Failure Inundation Map Update	No	$ 25,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000043	City of Alvin Detention Pond Construction - Mustang and Dickinson Bayou	No	$ 200,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000044	Chambers County Property Protection	No	$ 500,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000045	City of Manvel Flora St. Drainage Improvements	No	$ 100,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000046	Brazoria County Drainage Improvements	No	$ 350,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000047	City of Manvel Various Drainage Improvements	No	$ 460,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000048	Brazoria County Property Protection	No	$ 500,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000049	City of Hillcrest Village Drainage Improvements	No	$ 130,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000050	West Chocolate Bayou (CR 383 Ditch)	No	$ 253,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

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FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000051	West Fork Chocolate (Cold River Ranch Ditch)	Further study of proposed channel modifications to Cold River Ranch Ditch included in the City of Pearland master drainage plan to include Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204
061000052	West Fork Chocolate Bayou	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	06000001, 06000011, 06000012, 06000015	Brazoria, Fort Bend	12040204
061000053	East Chocolate Bayou (E103-00-00)	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204
061000054	Cannon Ditch Segment 2	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204
061000055	City of Galveston Coastal Road Elevation	Elevate coastal roads to better protect public during evacuation and to protect the roads from flood damage, where feasible.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000056	Mary's Creek Lower Segment	Study to develop project into a FMP. Project will provide a 25-year LOS; Channel modifications from SH35 to downstream of Pearland Pkwy. and 1670 ac-ft mitigation.	06000001, 06000011, 06000012, 06000015	Brazoria, Galveston	12040204
061000057	Hickory Slough (Upper Segment)	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204
061000059	City of Manvel Gates Loop Subdivision Drainage Improvement	Further study proposed Gates Loop subdivision drainage improvement.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204
061000060	Hickory Slough Middle Segment	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204
061000061	Mary's Creek Upper Segment	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204
061000063	Mary's Creek Middle Segment	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204

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FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000051	West Fork Chocolate (Cold River Ranch Ditch)	120402040400	06000109	Project Planning	1.61	Riverine	Brazoria Drainage District 4	West Brazoria County Drainage District, Brazoria, Manvel, Iowa Colony
061000052	West Fork Chocolate Bayou	120402040400	06000109	Project Planning	13.89	Riverine	Brazoria Drainage District 4	Brazoria, Manvel, Fort Bend, Arcola, Iowa Colony, West Brazoria County Drainage District
061000053	East Chocolate Bayou (E103-00-00)	120402040400	06000109	Project Planning	0.49	Riverine	Brazoria Drainage District 4	West Brazoria County Drainage District, Brazoria, Iowa Colony
061000054	Cannon Ditch Segment 2	120402040200, 120402040100	06000107,06000106	Project Planning	5.71	Riverine	Brazoria Drainage District 4	West Brazoria County Drainage District, Brazoria, Pearland, Manvel
061000055	City of Galveston Coastal Road Elevation	120402040300, 120402040200, 120402040400, 120402040500	06000108,06000107,06000109,06000110	Project Planning	211.08	Coastal	City of Galveston	Galveston, Galveston
061000056	Mary's Creek Lower Segment	120402040100	06000106	Project Planning	1.15	Riverine	City of Pearland	Brazoria, Pearland, Friendswood, Galveston, West Brazoria County Drainage District
061000057	Hickory Slough (Upper Segment)	120402040100	06000106	Project Planning	4.75	Riverine	City of Pearland	West Brazoria County Drainage District, Brazoria, Pearland
061000059	City of Manvel Gates Loop Subdivision Drainage Improvement	120402040400	06000109	Project Planning	0.05	Urban/Local	City of Manvel	West Brazoria County Drainage District, Brazoria, Manvel
061000060	Hickory Slough Middle Segment	120402040100	06000106	Project Planning	1.83	Riverine	City of Pearland	Brookside Village, West Brazoria County Drainage District, Brazoria, Pearland
061000061	Mary's Creek Upper Segment	120402040100	06000106	Project Planning	5.20	Riverine	City of Pearland	West Brazoria County Drainage District, Brazoria, Pearland
061000063	Mary's Creek Middle Segment	120402040100	06000106	Project Planning	4.23	Riverine	City of Pearland	West Brazoria County Drainage District, Brazoria, Pearland

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000051	West Fork Chocolate (Cold River Ranch Ditch)	No	$ 200,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000052	West Fork Chocolate Bayou	No	$ 2,072,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000053	East Chocolate Bayou (E103-00-00)	No	$ 48,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000054	Cannon Ditch Segment 2	No	$ 932,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000055	City of Galveston Coastal Road Elevation	No	$ 1,000,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000056	Mary's Creek Lower Segment	No	$ 2,436,000.00	No	RFPG elevated FME to FMP under Task 12.
061000057	Hickory Slough (Upper Segment)	No	$ 1,136,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000059	City of Manvel Gates Loop Subdivision Drainage Improvement	No	$ 100,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000060	Hickory Slough Middle Segment	No	$ 864,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000061	Mary's Creek Upper Segment	No	$ 460,000.00	No	RFPG elevated FME to FMP under Task 12.
061000063	Mary's Creek Middle Segment	No	$ 628,000.00	No	RFPG elevated FME to FMP under Task 12.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000064	Mustang Bayou Middle Segment	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	06000001, 06000011, 06000012, 06000015	Brazoria, Fort Bend	12040204
061000065	Hickory Slough Lower Segment	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204
061000066	Mustang Bayou Upper Segment	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	06000001, 06000011, 06000012, 06000015	Fort Bend	12040204
061000067	City of Alvin Dickinson Bayou Watershed Study	Study of Dickinson Bayou Watershed to determine drainage improvement alternatives.	06000001, 06000010, 06000015	Brazoria, Galveston, Fort Bend	12040204
061000069	City of Galveston Shoreline Protection	Further study and FMP development of a proposed shoreline protection for areas prone to coastal erosion.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000070	Cowart Creek Segment 16	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204
061000071	City of Galveston Dune Restoration	Study of dune system to determine needs and flood damage reduction potential of restoration.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000072	City of Hillcrest Village Engineering Survey	Conduct an engineering assessment to establish proper drainage for 24 Homes located in the high risk flood Zone.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204
061000076	Dredging Cedar Bayou	Study of proposed Cedar Bayou dredging to determine flood risk reduction potential.	06000001, 06000011, 06000012, 06000015	Chambers	12040203
061000078	Dam and Levee Failure Inundation Map Update	Study by each jurisdiction to update their dam and levee failure inundation maps to identify the probability and impact of a dam and levee failures.	06000001, 06000010, 06000015	Brazoria	12040204
061000080	Replace the Tiki Drive bridge with improved, hardened bridge to withstand storm surge and debris.	Further study of proposed Tiki Drive bridge modifications.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000082	Stream and River Flood Program	Conduct a flood mitigation outreach program using information from the river and stream flood study to increase awareness of specific riverine flooding problems and provide guidance on mitigation in affected communities.	06000001, 06000007, 06000010, 06000015	Waller	12040102, 12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000064	Mustang Bayou Middle Segment	120402040400	06000109	Project Planning	5.35	Riverine	Brazoria Drainage District 4	Brazoria, Pearland, Manvel, Fort Bend, West Brazoria County Drainage District
061000065	Hickory Slough Lower Segment	120402040100	06000106	Project Planning	1.01	Riverine	City of Pearland	West Brazoria County Drainage District, Brazoria, Pearland
061000066	Mustang Bayou Upper Segment	120402040400, 120402040100	06000109, 06000106	Project Planning	7.07	Riverine	Brazoria Drainage District 4	Houston, Fort Bend, Missouri City
061000067	City of Alvin Dickinson Bayou Watershed Study	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000107, 06000109, 06000106	Watershed Planning	25.09	Riverine	City of Alvin	West Brazoria County Drainage District, Brazoria, Alvin
061000069	City of Galveston Shoreline Protection	120402040300, 120402040200, 120402040400, 120402040500	06000108, 06000107, 06000109, 06000110	Project Planning	211.08	Coastal	City of Galveston	Galveston, Galveston
061000070	Cowart Creek Segment 16	120402040100	06000106	Project Planning	2.18	Riverine	City of Pearland	West Brazoria County Drainage District, Brazoria, Pearland
061000071	City of Galveston Dune Restoration	120402040300, 120402040200, 120402040400, 120402040500	06000108, 06000107, 06000109, 06000110	Project Planning	211.08	Coastal, Urban/Local	City of Galveston	Galveston, Galveston
061000072	City of Hillcrest Village Engineering Survey	120402040400	06000109	Project Planning	0.44	Urban/Local	City of Hillcrest Village	Hillcrest Village, West Brazoria County Drainage District, Brazoria
061000076	Dredging Cedar Bayou	120402030105, 120402030104, 120402030106, 120402030200	06000103, 06000102, 06000104, 06000105	Project Planning	44.23	Riverine	Chambers County	Mont Belvieu, Baytown, Chambers, Liberty County Water Control District 1
061000078	Dam and Levee Failure Inundation Map Update	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000107, 06000109, 06000106	Watershed Planning	1481.87	Urban/Local	Brazoria County	West Brazoria County Drainage District, Brazoria, Gulf Coast Protection District
061000080	Replace the Tiki Drive bridge with improved, hardened bridge to withstand storm surge and debris.	120402040200	06000107	Project Planning	1.59	Urban/Local	City of Tiki Island	Tiki Island, Galveston
061000082	Stream and River Flood Program	120401020102, 120401020103, 120401020204, 120401020101, 120401020201, 120401020202, 120401020203, 120401020205, 120401020207, 120401020206, 120401040102, 120401040103, 120401040101, 120401040203	06000027,06000028,06000036,06000026,06000033,06000034,06000035,06000037,06000039,06000038,06000072,06000073,06000071,06000077	Preparedness	515.95	Riverine, Urban/Local	Waller County	Brazos River Authority, Houston, San Jacinto River Authority, Waller, Waller, Katy, Prairie View, Gulf Coast Protection District

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000064	Mustang Bayou Middle Segment	No	$ 1,212,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000065	Hickory Slough Lower Segment	No	$ 1,048,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000066	Mustang Bayou Upper Segment	No	$ 2,040,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000067	City of Alvin Dickinson Bayou Watershed Study	No	$ 500,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000069	City of Galveston Shoreline Protection	No	$ 50,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000070	Cowart Creek Segment 16	No	$ 40,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000071	City of Galveston Dune Restoration	No	$ 1,000,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000072	City of Hillcrest Village Engineering Survey	No	$ 300,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000076	Dredging Cedar Bayou	No	$ 7,070,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000078	Dam and Levee Failure Inundation Map Update	No	$ 2,200,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000080	Replace the Tiki Drive bridge with improved, hardened bridge to withstand storm surge and debris.	No	$ 220,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000082	Stream and River Flood Program	No	$ 20,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000083	Liberty County Drainage Projects	Further study of proposed drainage projects throughout the county- including adding ditches, detention ponds and detention basins in identified locations throughout the county in order to improve drainage.	06000001, 06000011, 06000012, 06000015	Liberty	12040103, 12040203
061000084	City of Bayou Vista Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000010, 06000015	Galveston	12040204
061000085	Cane Island Branch- Alt 2	Further study and FMP development of proposed channel modifications to Cane Island Branch including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris, Waller	12040102, 12040104
061000086	Property Protection, Structural Project	Generate base flood elevation data for flood map revisions. Use floodplain study to identify future mitigation activities to improve water ways and flood carrying capacities. Area to include approximately 4 miles of floodway in New Waverly.	06000001, 06000011, 06000012, 06000015	Walker	12040103
061000087	City of La Maque - East Side Storm water detention	Feasibility study and a drainage analysis of the new pond row acquisition and associated conveyance improvements on a part of 10 acres of land.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000088	City of League City - Kansas Street Drainage	Further study and FMP development of proposed street drainage modifications to Kansas Street.	06000001, 06000011, 06000012, 06000015	Galveston, Harris	12040204
061000089	Update City of Friendswood Storm Surge Maps to Reflect the NWS Predictions	Study to update city storm surge maps based upon the NWS predicted storm surge and projected track for landfall. The new maps may more accurately display water depth in areas within the city.	06000001, 06000010, 06000015	Galveston, Harris	12040204
061000090	City of Bayou Vista - Storm Sewer System Evaluation	Storm sewer system evaluation to determine reconstruction/upgrade needs to increase water flow.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000091	City of Friendswood - Comprehensive Flood Mitigation Plan	Study to update city floodplain maps and develop flood mitigation plan.	06000001, 06000010, 06000015	Galveston, Harris	12040204
061000094	City of Sante Fe - Storm Water Detention & Widening Drainage System and Cuvlerts Study	Study to plan for storm sewer detention and drainage system modifications.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000096	City of Friendswood - Devils Dip	Further study and design of modifications along Mary's creek bridge and channel.	06000001, 06000011, 06000012, 06000015	Galveston, Harris	12040204
061000097	League City - Stormwater Drainage Improvement- Interurban & Newport ditch	Further study of proposed slope paving (concrete lining) improvements.	06000001, 06000011, 06000012, 06000015	Galveston, Harris	12040204

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000083	Liberty County Drainage Projects	120401030201, 120401030108, 120401030109, 120401030205, 120401030402, 120401030203, 120401030204, 120401030202, 120401030401, 120402030104, 120402030103, 120402030102, 120402030101	06000056,06000053,06000054,06000060,06000070,06000058,06000059,06000057,06000069,06000102,06000101,06000100,06000099	Project Planning	1169.76	Urban/Local	Liberty County	Mont Belvieu, Liberty, Cleveland, Plum Grove, North Cleveland, Dayton, Liberty County Water Control District 1
061000084	City of Bayou Vista Master Drainage Plan	120402040200	06000107	Watershed Planning	0.45	Urban/Local	City of Bayou Vista	Bayou Vista, Galveston
061000085	Cane Island Branch- Alt 2	120401020103, 120401040102, 120401040103, 120401040104, 120401040101, 120401040203	06000028, 06000072, 06000073, 06000074, 06000071, 06000077	Project Planning	14.52	Urban/Local	Waller County	Waller, Fort Bend, Katy, Harris, Harris County Flood Control District
061000086	Property Protection, Structural Project	120401030101	06000046	Watershed Planning	2.21	Urban/Local	City of New Waverly	New Waverly, Walker
061000087	City of La Maque - East Side Storm water detention	120402040200	06000107	Project Planning	14.23	Urban/Local	City of La Marque	La Marque, Galveston
061000088	City of League City - Kansas Street Drainage	120402040200, 120402040100	06000107,06000106	Project Planning	52.89	Urban/Local	City of League City	League City, Harris, Galveston
061000089	Update City of Friendswood Storm Surge Maps to Reflect the NWS Predictions	120402040200, 120402040100	06000107,06000106	Watershed Planning	20.83	Coastal	City of Friendswood	Friendswood, Harris, Harris County Flood Control District, Galveston
061000090	City of Bayou Vista - Storm Sewer System Evaluation	120402040200	06000107	Project Planning	0.45	Urban/Local	City of Bayou Vista	Bayou Vista, Galveston
061000091	City of Friendswood - Comprehensive Flood Mitigation Plan	120402040200, 120402040100	06000107,06000106	Watershed Planning	20.83	Urban/Local	City of Friendswood	Harris, Harris County Flood Control District, Galveston
061000094	City of Sante Fe - Storm Water Detention & Widening Drainage System and Cuvlerts Study	120402040300, 120402040200	06000108, 06000107	Project Planning	17.04	Urban/Local	City of Santa Fe	Santa Fe, Galveston
061000096	City of Friendswood - Devils Dip	120402040200, 120402040100	06000107, 06000106	Project Planning	20.83	Riverine	City of Friendswood	Friendswood, Harris, Harris County Flood Control District, Galveston
061000097	League City - Stormwater Drainage Improvement- Interurban & Newport ditch	120402040200, 120402040100	06000107, 06000106	Project Planning	52.89	Urban/Local	City of League City	Harris, Harris County Flood Control District, Galveston

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000083	Liberty County Drainage Projects	No	$ 2,000,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000084	City of Bayou Vista Master Drainage Plan	Yes	$ 130,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000085	Cane Island Branch- Alt 2	No	$ 3,270,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000086	Property Protection, Structural Project	No	$ 2,500,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000087	City of La Maque - East Side Storm water detention	No	$ 360,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000088	City of League City - Kansas Street Drainage	No	$ 580,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000089	Update City of Friendswood Storm Surge Maps to Reflect the NWS Predictions	No	$ 140,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000090	City of Bayou Vista - Storm Sewer System Evaluation	No	$ 130,000.00	No	Duplicate FME.
061000091	City of Friendswood - Comprehensive Flood Mitigation Plan	No	$ 140,000.00	No	Duplicate FME.
061000094	City of Sante Fe - Storm Water Detention & Widening Drainage System and Cuvlerts Study	No	$ 300,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000096	City of Friendswood - Devils Dip	No	$ 410,000.00	No	Sponsor secured funding for FME.
061000097	League City - Stormwater Drainage Improvement- Interurban & Newport ditch	No	$ 50,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000098	Study of Texas City Hurricane Flood Protection Project	Corp of Engineers study of the Texas City Hurricane Flood Protection Project to improve the current levee system to provide protection from category 5 storm.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000101	Fort Bend County - Big Creek Project	Further study of Big Creek channel improvements and wetland mitigation sites.	06000001, 06000011, 06000012, 06000015	Fort Bend	12040204, 12040104
061000102	Raise Road Surfaces in City of Plum Grove	Further evaluation of road surface elevation.	06000001, 06000011, 06000012, 06000015	Liberty	12040103
061000103	Highland Terrace Drainage	Further study of slope paving a portion of the drainage ditch north of FM 518, with probable wetland mitigation and lowering pavement section of Highland Terrace Drive.	06000001, 06000011, 06000012, 06000015	Galveston, Harris	12040204
061000104	Sunmeadow Drainage Improvements Phase 2	Further study of component of 1993 master Drainage Plan Phase 1. Initial phase of project completed in 2005. Upsizing storm sewer system to reduce potential flooding. Include Atlas 14 rainfalls.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000105	City of Friendswood - Tributary 2 Drainage/Outfall Improvements	Further study of component of 2004 TXDOT study to include Atlas 14 rainfalls.	06000001, 06000011, 06000012, 06000015	Galveston, Harris	12040204
061000107	Storm water detention ponds & Widening of drainage systems feasibility study	Study of area to identify problem areas and recommend flood mitigation alternatives that consider detention ponds & widening drainage systems.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000115	Stormwater Drainage Improvement-Nottingham ditch	Further study of proposed slope paving (concrete lining) improvements. Still in planning, consultant hired. Design complete and pending construction funding.	06000001, 06000011, 06000012, 06000015	Galveston, Harris	12040204
061000116	Remedy Data Deficiency in City of New Waverly	Conduct a proper risk assessment of the dams residents suspect are causing upstream flooding, and determine all potential inundation areas.	06000001, 06000010, 06000015	Walker	12040103

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000098	Study of Texas City Hurricane Flood Protection Project	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Project Planning	664.95	Coastal, Urban/Local	Galveston County	Galveston
061000101	Fort Bend County - Big Creek Project	120401040102, 120401040103, 120401040104, 120401040101, 120401040401, 120401040501, 120402040400, 120402040100	06000072, 06000073, 06000074, 06000071, 06000083, 06000085, 06000109, 06000106	Project Planning	882.72	Riverine	Fort Bend County Drainage District	Fort Bend
061000102	Raise Road Surfaces in City of Plum Grove	120401030402	06000070	Project Planning	3.61	Urban/Local	City of Plum Grove	Plum Grove, Liberty
061000103	Highland Terrace Drainage	120402040200, 120402040100	06000107,06000106	Project Planning	52.89	Urban/Local	City of League City	League City, Harris, Harris County Flood Control District, Galveston
061000104	Sunmeadow Drainage Improvements Phase 2	120402040100	06000106	Project Planning	0.23	Urban/Local	City of Friendswood	Galveston, Galveston County Consolidated Drainage District, Gulf Coast Waste Disposal Authority, Houston-Galveston Area Council, Gulf Coast Water Authority, Gulf Coast Protection District
061000105	City of Friendswood - Tributary 2 Drainage/Outfall Improvements	120402040200, 120402040100	06000107,06000106	Project Planning	20.83	Urban/Local	City of Friendswood	Harris, Harris County Flood Control District, Galveston
061000107	Storm water detention ponds & Widening of drainage systems feasibility study	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000107 ,06000109, 06000106	Project Planning	664.95	Urban/Local	Galveston County	League City, Kemah, Seabrook, Tiki Island, Friendswood, Texas City, Santa Fe, La Marque, Hitchcock, Bayou Vista, Galveston, Nassau Bay, Clear Lake Shores, Jamaica Beach, Dickinson
061000115	Stormwater Drainage Improvement-Nottingham ditch	120402040200, 120402040100	06000107,06000106	Project Planning	52.89	Urban/Local	City of League City	League City, Harris, Harris County Flood Control District, Galveston
061000116	Remedy Data Deficiency in City of New Waverly	120401030101	06000046	Watershed Planning	2.21	Urban/Local	City of New Waverly	New Waverly, Walker

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000098	Study of Texas City Hurricane Flood Protection Project	No	$ 1,590,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000101	Fort Bend County - Big Creek Project	No	$ 200,000.00	No	FME included in Region 8.
061000102	Raise Road Surfaces in City of Plum Grove	No	$ 35,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000103	Highland Terrace Drainage	No	$ 190,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000104	Sunmeadow Drainage Improvements Phase 2	No	$ 160,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000105	City of Friendswood - Tributary 2 Drainage/Outfall Improvements	No	$ 170,000.00	No	Sponsor secured funding for FME.
061000107	Storm water detention ponds & Widening of drainage systems feasibility study	No	$ 11,000,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000115	Stormwater Drainage Improvement-Nottingham ditch	No	$ 50,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000116	Remedy Data Deficiency in City of New Waverly	No	$ 100,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000117	City of Bayou Vista - Drainage Improvement Program	Study to develop drainage improvement program to reduce standing water and runoff, and reduce minor flooding for residents located in District No. 12.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000118	Stormwater Drainage Improvement-Bradshaw Rd	Further study of proposed slope paving (concrete lining) improvements. Southwest from SH 3 to the north line of CCISD's Elem. School #25. Pending Funding.	06000001, 06000011, 06000012, 06000015	Galveston, Harris	12040204
061000119	Shellside Drainage Improvements	Further study of proposed drainage improvements to Shellside.	06000001, 06000011, 06000012, 06000015	Galveston, Harris	12040204
061000120	Evaluation of Culvert Enlargement and Bridge Elevation in Grimes County	Study to identify flood-prone areas and mitigate the flooding problem by enlarging culverts under roads and bridges.	06000001, 06000011, 06000012, 06000015	Grimes	12040102, 12040101
061000121	Widen Drainage Systems and Culverts in City of Kemah	Further study to widen drainage systems and increase culvert size to accommodate increased water flows. Coordinate efforts with water district.	06000001, 06000011, 06000012, 06000015	Galveston, Chambers	12040204
061000122	Widen Drainage Systems and Culverts in City of Clear Lake Shores	Further study to widen drainage systems and increase culvert size to accommodate increased water flows. Coordinate efforts with water district.	06000001, 06000011, 06000012, 06000015	Galveston, Harris	12040204
061000123	FM518 Drainage Improvements- Phase 2	Further study of component of 2007 Master Drainage Plan to include Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Galveston, Harris	12040204
061000124	Replace Existing Culverts in City of Arcola	Evaluation of proposed culvert replacement.	06000001, 06000011, 06000012, 06000015	Fort Bend	12040204
061000125	Update Liberty County Floodplain Maps	Study by participating jurisdictions to update floodway maps throughout the county, including Atlas 14 rainfalls.	06000001, 06000010, 06000015	Chambers, Harris, Liberty, Montgomery, San Jacinto	12040103, 12040203
061000129	Waller County Flood Damage Prevention Planning	Establish watershed-based planning and studies to address flood hazards with neighborhing and constituent communities.	06000001, 06000010, 06000015	Waller	12040102, 12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000117	City of Bayou Vista - Drainage Improvement Program	120402040200	06000107	Project Planning	0.45	Urban/Local	City of Bayou Vista	Bayou Vista, Galveston
061000118	Stormwater Drainage Improvement-Bradshaw Rd	120402040200, 120402040100	06000107,06000106	Project Planning	52.89	Urban/Local	City of League City	Harris, Harris County Flood Control District, Galveston
061000119	Shellside Drainage Improvements	120402040200, 120402040100	06000107,06000106	Project Planning	52.89	Urban/Local	City of League City	Harris, Harris County Flood Control District, Galveston
061000120	Evaluation of Culvert Enlargement and Bridge Elevation in Grimes County	120401010101, 120401010301, 120401010302, 120401010303, 120401010103, 120401010304, 120401010305, 120401010306, 120401020202, 120401020203, 120401020207, 120401020206	06000001, 06000012, 06000013, 06000014, 06000003, 06000015, 06000016, 06000017, 06000034, 06000035, 06000039, 06000038	Project Planning	798.87	Urban/Local	Grimes County	Grimes, Todd Mission, Plantersville
061000121	Widen Drainage Systems and Culverts in City of Kemah	120402040200, 120402040100	06000107,06000106	Project Planning	1.91	Urban/Local	City of Kemah	Kemah, Chambers, Galveston
061000122	Widen Drainage Systems and Culverts in City of Clear Lake Shores	120402040100	06000106	Project Planning	0.71	Urban/Local	City of Clear Lake Shores	Clear Lake Shores, Galveston
061000123	FM518 Drainage Improvements- Phase 2	120402040200, 120402040100	06000107,06000106	Project Planning	20.83	Urban/Local	City of Friendswood	Harris, Harris County Flood Control District, Galveston
061000124	Replace Existing Culverts in City of Arcola	120402040400	06000109	Project Planning	2.60	Urban/Local	City of Arcola	Fort Bend, Arcola
061000125	Update Liberty County Floodplain Maps	120401030108, 120401030109, 120401030201, 120401030202, 120401030203, 120401030204, 120401030205, 120401030401, 120401030402, 120402030101, 120402030102, 120402030103, 120402030104	06000053,06000054,06000056,06000057,06000058,06000059,06000060,06000069,06000070,06000099,06000100,06000101,06000102	Watershed Planning	1169.76	Riverine	Liberty County	Mont Belvieu, Liberty, Cleveland, Plum Grove, North Cleveland, Dayton, Gulf Coast Protection District, Liberty County Water Control District 1
061000129	Waller County Flood Damage Prevention Planning	120401020102, 120401020103, 120401020204, 120401020101, 120401020201, 120401020202, 120401020203, 120401020205, 120401020207, 120401020206, 120401040102, 120401040103, 120401040101, 120401040203	06000027,06000028,06000036,06000026,06000033,06000034,06000035,06000037,06000039,06000038,06000072,06000073,06000071,06000077	Watershed Planning	515.95	Urban/Local	Waller County	Houston, Waller, Prairie View, Katy, Waller

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000117	City of Bayou Vista - Drainage Improvement Program	No	$ 100,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000118	Stormwater Drainage Improvement-Bradshaw Rd	No	$ 50,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000119	Shellside Drainage Improvements	No	$ 580,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000120	Evaluation of Culvert Enlargement and Bridge Elevation in Grimes County	No	$ 750,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000121	Widen Drainage Systems and Culverts in City of Kemah	No	$ 100,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000122	Widen Drainage Systems and Culverts in City of Clear Lake Shores	No	$ 100,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000123	FM518 Drainage Improvements- Phase 2	No	$ 410,000.00	No	Sponsor secured funding for FME.
061000124	Replace Existing Culverts in City of Arcola	No	$ 200,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000125	Update Liberty County Floodplain Maps	No	$ 1,243,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000129	Waller County Flood Damage Prevention Planning	No	$ 1,160,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000130	Hostetter and Gourd Creek Bridges Elevation Evaluation	Further study to elevate and install culverts on Hostetter and Gourd Creek roadways to prevent flooding and/or flood damage on roadway.	06000001, 06000011, 06000012, 06000015	Montgomery, San Jacinto, Walker	12040101, 12040103
061000131	Implemention Study of Storm Sewer System Re-engineering in City of Kemah	Study of storm sewer system re-engineering and follow-up construction project to mitigate flood related impacts.	06000001, 06000010, 06000015	Galveston, Chambers	12040204
061000134	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	Review findings of potential breach to dam/levee system and develop/implement mitigation actions as applicable.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000135	Recanalization Feasibility Study	Dechannelize existing feeder creeks that flow from north to south and improve drainage for strom water runoff.	06000001, 06000011, 06000012, 06000015	Liberty	12040103, 12040203
061000136	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	Review findings of potential breach to dam/levee system and develop/implement mitigation actions as applicable.	06000001, 06000011, 06000012, 06000015	Liberty	12040103
061000137	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	Review findings of potential breach to dam/levee system and develop/implement mitigation actions as applicable.	06000001, 06000011, 06000012, 06000015	Galveston, Harris	12040204
061000138	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	Review findings of potential breach to dam/levee system and develop/implement mitigation actions as applicable.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000139	City of Arcola Regional Drainage Improvements	Study of repetitive loss and possbile drainage improvements.	06000001, 06000011, 06000012, 06000015	Fort Bend	12040204
061000140	Elevate Existing Bridge - East Fork San Jacinto River	Evaluate, Design and construct new bridge over east fork san jacinto river on low water bridge road to reduce flooding.	06000001, 06000011, 06000012, 06000015	Liberty	12040103
061000141	Southwood Forest Subdivision and Forgotten Forest Subdivision Evaluation	Study to develop a community-wide drainage system in Southwood Forest Subdivision and Forgotten Forest Subdivision.	06000001, 06000011, 06000012, 06000015	Walker	12040101
061000142	Shadowbend Drainage Improvements Phase 2	Further study of component of 1993 master Drainage Plan Phase 1 to include Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Galveston, Harris	12040204
061000143	City of Todd Mission Reduction of Floodplain Area Roads and Drainage Upgrade	Analysis of potential upgrades to be made to floodplain-area roads and drainage to reduce flood risk.	06000001, 06000011, 06000012, 06000015	Grimes	12040102
061000145	Jamica Cove Rd. Survey	Engineering assessment needed to determine if elevating the road would reduce future flooding impacts.	06000001, 06000011, 06000012, 06000015	Galveston	12040204

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000130	Hostetter and Gourd Creek Bridges Elevation Evaluation	120401010202, 120401010204, 120401030101, 120401030301, 120401030302	06000006, 06000008, 06000046, 06000061, 06000062	Project Planning	76.33	Urban/Local	Walker County	New Waverly, Walker, Willis
061000131	Implemention Study of Storm Sewer System Re-engineering in City of Kemah	120402040200, 120402040100	06000107,06000106	Watershed Planning	1.91	Urban/Local	City of Kemah	Kemah, Chambers, Galveston
061000134	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Project Planning	664.95	Urban/Local	Galveston County	Galveston
061000135	Recanalization Feasibility Study	120401030201, 120401030108, 120401030109, 120401030205, 120401030402, 120401030203, 120401030204, 120401030202, 120401030401, 120402030104, 120402030103, 120402030102, 120402030101	06000056,06000053,06000054,06000060,06000070,06000058,06000059,06000057,06000069,06000102,06000101,06000100,06000099	Project Planning	1169.76	Riverine, Urban/Local	Liberty County	Trinity River Authority of Texas, Liberty, San Jacinto River Authority, Gulf Coast Protection District, Liberty County Water Control District 1
061000136	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	120401030201, 120401030401	06000056,06000069	Project Planning	1.91	Urban/Local	Galveston County	Kemah, Galveston
061000137	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	120402040100	06000106	Project Planning	0.71	Urban/Local	City of Clear Lake Shores	Clear Lake Shores, Galveston
061000138	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	120402040200	06000107	Project Planning	14.23	Urban/Local	City of La Marque	La Marque, Galveston
061000139	City of Arcola Regional Drainage Improvements	120402040400	06000109	Project Planning	2.60	Urban/Local	City of Arcola	Fort Bend, Arcola
061000140	Elevate Existing Bridge - East Fork San Jacinto River	120401030201, 120401030401	06000056,06000069	Project Planning	1.91	Riverine	City of North Cleveland	North Cleveland, Liberty
061000141	Southwood Forest Subdivision and Forgotten Forest Subdivision Evaluation	120401010202	06000006	Project Planning	0.29	Urban/Local	Walker County	Walker
061000142	Shadowbend Drainage Improvements Phase 2	120402040200, 120402040100	06000107,06000106	Project Planning	20.83	Urban/Local	City of Friendswood	Friendswood, Harris, Harris County Flood Control District, Galveston
061000143	City of Todd Mission Reduction of Floodplain Area Roads and Drainage Upgrade	120401020203, 120401020206	06000035,06000038	Project Planning	2.00	Urban/Local	City of Todd Mission	Grimes, Todd Mission
061000145	Jamica Cove Rd. Survey	120402040300	06000108	Project Planning	0.71	Urban/Local	City of Jamaica Beach	Jamaica Beach, Galveston

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000130	Hostetter and Gourd Creek Bridges Elevation Evaluation	No	$ 130,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000131	Implemention Study of Storm Sewer System Re-engineering in City of Kemah	No	$ 190,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000134	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	No	$ 1,590,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000135	Recanalization Feasibility Study	No	$ 486,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000136	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	No	$ 190,000.00	No	Duplicate FME.
061000137	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	No	$ 140,000.00	No	Duplicate FME.
061000138	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	No	$ 360,000.00	No	Duplicate FME.
061000139	City of Arcola Regional Drainage Improvements	No	$ 520,000.00	No	Duplicate FME.
061000140	Elevate Existing Bridge - East Fork San Jacinto River	No	$ 1,000,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000141	Southwood Forest Subdivision and Forgotten Forest Subdivision Evaluation	No	$ 110,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000142	Shadowbend Drainage Improvements Phase 2	No	$ 950,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000143	City of Todd Mission Reduction of Floodplain Area Roads and Drainage Upgrade	No	$ 220,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000145	Jamica Cove Rd. Survey	No	$ 140,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000146	Annalea/Whitehall Kings Park Drainage - Drainage Improvements Phase 2	Further study of proposed drainage improvements to stafford oaks.	06000001, 06000011, 06000012, 06000015	Galveston, Harris	12040204
061000147	Implement Drainage Improvements in City of La Marque	Implement drainage projects that support low maintenance and cleaning of drainage ditches.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000148	Liberty County Culvert Replacement Project	Increase culvert size in identified flood hazard problem areas within Liberty County.	06000001, 06000011, 06000012, 06000015	Liberty	12040103, 12040203
061000149	Evaluatin of Increase Height of Existing Levee Wall System in City of La Marque	Increase height of existing Levee wall system to withstand a Category 5 storm surge.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000150	Evaluation of Reinforcement of Critical Facilities in the City of Arcola	Reinforcement of critical facilities to withstand high winds from severe weather.	06000001, 06000011, 06000012, 06000015	Fort Bend	12040204
061000151	Evaluation of Mitigation Alternatives for Repetietive Flood Claims Properties in Galveston County	Evaluate Mitigation Alternatives of Repetitive Flood Claim Properties in Galveston County.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000152	Cane Island Branch- Alt 1	Further study of 2,800 ac-ft detention upstream of Pitts road.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris, Waller	12040102, 12040104
061000153	Downtown Cleveland Drainage Line Installation	Further study of proposed larger drainage lines in downtown Cleveland to reduce flooding.	06000001, 06000011, 06000012, 06000015	Liberty, Montgomery, San Jacinto	12040103
061000156	Flood Gates Evaluation at Walker County Annex #2	Evaluation of proposed removable facility flood gates at Walker County Annex #2	06000001, 06000011, 06000012, 06000015	Walker	12040101, 12040103

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000146	Annalea/Whitehall Kings Park Drainage - Drainage Improvements Phase 2	120402040200, 120402040100	06000107,06000106	Project Planning	20.83	Urban/Local	City of Friendswood	Harris, Harris County Flood Control District, Galveston
061000147	Implement Drainage Improvements in City of La Marque	120402040200	06000107	Project Planning	14.23	Urban/Local	City of La Marque	La Marque, Galveston
061000148	Liberty County Culvert Replacement Project	120401030201, 120401030108, 120401030109, 120401030205, 120401030402, 120401030203, 120401030204, 120401030202, 120401030401, 120402030104, 120402030103, 120402030102, 120402030101	06000056,06000053,06000054,06000060,06000070,06000058,06000059,06000057,06000069,06000102,06000101,06000100,06000099	Project Planning	1169.76	Urban/Local	Liberty	Mont Belvieu, Liberty, Cleveland, Plum Grove, North Cleveland, Dayton, Liberty County Water Control District 1
061000149	Evaluatin of Increase Height of Existing Levee Wall System in City of La Marque	120402040200	06000107	Project Planning	14.23	Urban/Local	City of La Marque	La Marque, Galveston
061000150	Evaluation of Reinforcement of Critical Facilities in the City of Arcola	120402040400	06000109	Project Planning	2.60	Urban/Local	City of Arcola	Fort Bend, Arcola
061000151	Evaluation of Mitigation Alternatives for Repetietive Flood Claims Properties in Galveston County	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Project Planning	664.95	Urban/Local	Galveston County	League City, Kemah, Seabrook, Tiki Island, Friendswood, Texas City, Santa Fe, Galveston, Nassau Bay, Hitchcock, La Marque, Bayou Vista, Galveston, Clear Lake Shores, Jamaica Beach, Dickinson
061000152	Cane Island Branch- Alt 1	120401020103, 120401040102, 120401040103, 120401040104, 120401040101, 120401040203	06000028,06000072,06000073,06000074,06000071,06000077	Project Planning	14.52	Urban/Local	Waller County	Waller, Harris County Flood Control District, Katy
061000153	Downtown Cleveland Drainage Line Installation	120401030201, 120401030108, 120401030109, 120401030203, 120401030202, 120401030401	06000056,06000053,06000054,06000058,06000057,06000069	Project Planning	18.74	Urban/Local	City of Cleveland	Liberty, Cleveland, Montgomery, San Jacinto
061000156	Flood Gates Evaluation at Walker County Annex #2	120401010104, 120401010101, 120401010102, 120401010103, 120401010201, 120401010202, 120401010203, 120401010204, 120401030101, 120401030106, 120401030303, 120401030305, 120401030301, 120401030302	06000004, 06000001, 06000002, 06000003, 06000005, 06000006, 06000007, 06000008, 06000046, 06000051, 06000063, 06000065, 06000061, 06000062	Project Planning	797.84	Urban/Local	Walker County	Huntsville, New Waverly, Walker

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000146	Annalea/Whitehall Kings Park Drainage - Drainage Improvements Phase 2	No	$ 50,000.00	No	Duplicate FME.
061000147	Implement Drainage Improvements in City of La Marque	No	$ 360,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000148	Liberty County Culvert Replacement Project	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000149	Evaluatin of Increase Height of Existing Levee Wall System in City of La Marque	No	$ 810,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000150	Evaluation of Reinforcement of Critical Facilities in the City of Arcola	No	$ 200,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000151	Evaluation of Mitigation Alternatives for Repetietive Flood Claims Properties in Galveston County	No	$ 11,000,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000152	Cane Island Branch- Alt 1	No	$ 180,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000153	Downtown Cleveland Drainage Line Installation	No	$ 50,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000156	Flood Gates Evaluation at Walker County Annex #2	No	$ 20,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000158	City of Bayou Vista Canal Dredging Study	Plan for Canal Dredging to reduce sediment deposited during storm events. Study to develop and implement canal dredging program.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000160	Liberty County Regional Flood Drainage Plan	Regional drainage study to establish a county wide drainage plan including atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Liberty	12040103, 12040203
061000161	City of North Cleveland Engineering Study	Study to identify drainage improvements in the City of North Cleveland.	06000001, 06000011, 06000012, 06000015	Liberty, Montgomery, San Jacinto	12040103
061000162	Elevation of Bridge Road in City of North Cleveland	Further study to elevate Bridge road.	06000001, 06000011, 06000012, 06000015	Liberty, Montgomery, San Jacinto	12040103
061000163	Galveston County Drainage System Improvement Study	Further study to widen drainage systems and increase culvert size to accommodate increased water flows. Coordinate efforts with water district.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000164	Storm Water Detention Ponds Evalution in the City of Santa Fe	Further study to determine detention ponds/basin could be solution for addressing flood impacts.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000165	Drainage System Analysis for City of Santa Fe	Further study to widen drainage systems and increase culvert size to accommodate increased water flows. Coordinate efforts with water district.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000166	City of Stafford Run Creek Detention Pond Construction	Further study of proposed detention ponds immediately downstream of Brand Lane and Independence Park.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris	12040204, 12040104
061000167	City of Cleveland Drainage Improvements	Further study of proposed city of cleveland drainage improvements.	06000001, 06000011, 06000012, 06000015	Liberty, Montgomery, San Jacinto	12040103
061000168	San Jacinto Watershed and Tributary Barrier and Flood Mitigation - East County Project	Planning, H&H studies, design, environmental review, and barrier removal for the 98.6 miles of the San Jacinto Watershed and Tributary Barrier and Flood Mitigation-East County project area.	06000001, 06000010, 06000015	Harris, Liberty, Montgomery, San Jacinto	12040103
061000169	San Jacinto Watershed and Tributary Barrier and Flood Mitigation - West County Project	H&H study, design, tributary barrier removal, and environmental assessments for the 96.2 miles of the San Jacinto Watershed and Tributary Barrier and Flood Mitigation-West County project area.	06000001, 06000010, 06000015	Harris, Montgomery	12040101
061000170	Spring Gully Watershed Planning Project Near-term Planning Project: PA03	Planning-level study needed: to identify a strategy in O200-00-00 near O207-01-00 to reduce flooding	06000001, 06000011, 06000012, 06000015	Harris	12040203, 12040104

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FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000158	City of Bayou Vista Canal Dredging Study	120402040200	06000107	Project Planning	0.45	Urban/Local	City of Bayou Vista	Bayou Vista, Galveston
061000160	Liberty County Regional Flood Drainage Plan	120401030201, 120401030108, 120401030109, 120401030205, 120401030402, 120401030203, 120401030204, 120401030202, 120401030401, 120402030104, 120402030103, 120402030102, 120402030101	06000056,06000053,06000054,06000060,06000070,06000058,06000059,06000057,06000069,06000102,06000101,06000100,06000099	Project Planning	1169.76	Urban/Local	Liberty County	Mont Belvieu, Liberty, Cleveland, Plum Grove, North Cleveland, Dayton, Liberty County Water Control District 1
061000161	City of North Cleveland Engineering Study	120401030201, 120401030401	06000056,06000069	Project Planning	18.74	Urban/Local	City of North Cleveland	Liberty, Cleveland, Montgomery, San Jacinto
061000162	Elevation of Bridge Road in City of North Cleveland	120401030201, 120401030401	06000056,06000069	Project Planning	18.74	Urban/Local	City of North Cleveland	Liberty, Cleveland, Montgomery, San Jacinto
061000163	Galveston County Drainage System Improvement Study	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Project Planning	664.95	Urban/Local	Galveston County	Galveston
061000164	Storm Water Detention Ponds Evalution in the City of Santa Fe	120402040300, 120402040200	06000108,06000107	Project Planning	17.04	Urban/Local	City of Santa Fe	Santa Fe, Galveston
061000165	Drainage System Analysis for City of Santa Fe	120402040300, 120402040200	06000108,06000107	Project Planning	17.04	Urban/Local	City of Santa Fe	Santa Fe, Galveston
061000166	City of Stafford Run Creek Detention Pond Construction	120401040401, 120401040501, 120402040400	06000083,06000085,06000109	Project Planning	7.02	Riverine, Urban/Local	City of Stafford	Stafford, Fort Bend, Harris County Flood Control District, Harris
061000167	City of Cleveland Drainage Improvements	120401030201, 120401030108, 120401030109, 120401030203, 120401030202, 120401030401	06000056,06000053,06000054,06000058,06000057,06000069	Project Planning	18.74	Riverine	City of Cleveland	Liberty, Cleveland, Montgomery, San Jacinto
061000168	San Jacinto Watershed and Tributary Barrier and Flood Mitigation - East County Project	120401030402, 120401030401	06000070,06000069	Watershed Planning	94.89	Riverine, Urban/Local	Montgomery County	Houston, Liberty, Montgomery, Harris, Harris County Flood Control District
061000169	San Jacinto Watershed and Tributary Barrier and Flood Mitigation - West County Project	120401010401, 120401010402, 120401010404	06000020, 06000021, 06000023	Watershed Planning	122.12	Riverine, Urban/Local	Montgomery County	Houston, Harris County Flood Control District, Harris, Montgomery
061000170	Spring Gully Watershed Planning Project Near-term Planning Project: PA03	120401040705, 120401040706, 120401040704, 120402030105, 120402030104, 120402030106	06000097,06000098,06000096,06000103,06000102,06000104	Watershed Planning	34.83	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Baytown, Harris County Flood Control District, Harris

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000158	City of Bayou Vista Canal Dredging Study	No	$ 130,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000160	Liberty County Regional Flood Drainage Plan	No	$ 486,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000161	City of North Cleveland Engineering Study	No	$ 400,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000162	Elevation of Bridge Road in City of North Cleveland	No	$ 120,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000163	Galveston County Drainage System Improvement Study	No	$ 1,590,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000164	Storm Water Detention Ponds Evalution in the City of Santa Fe	No	$ 380,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000165	Drainage System Analysis for City of Santa Fe	No	$ 300,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000166	City of Stafford Run Creek Detention Pond Construction	No	$ 300,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000167	City of Cleveland Drainage Improvements	No	$ 410,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000168	San Jacinto Watershed and Tributary Barrier and Flood Mitigation - East County Project	No	$ 1,160,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000169	San Jacinto Watershed and Tributary Barrier and Flood Mitigation - West County Project	No	$ 1,110,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000170	Spring Gully Watershed Planning Project Near-term Planning Project: PA03	Yes	$ 600,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000171	Spring Gully Watershed Planning Project Near-term Planning Project: PA04	Planning-level study needed: to lower WSEL in O203-00-00 to around 29 feet MSL. Most benefit when O203-00-00 channel modifications are combined with Thompson Road Storm drainage system improvements	06000001, 06000011, 06000012, 06000015	Harris	12040203, 12040104
061000172	Spring Gully Watershed Planning Project Near-term Planning Project: PA05	Planning-level study needed: a stormwater detention basin near confluence of O207-00-00 and O207-01-00 required to lower WSEL	06000001, 06000011, 06000012, 06000015	Harris	12040203, 12040104
061000173	Update Liberty County FIRMs to Include Bench Marks	Add bench marks to updated Flood Insurance Rate Maps.	06000001, 06000010, 06000015	Liberty	12040103, 12040203
061000174	Carpenters Planning Study N110-00-00 Diversion to P103-00/P103-03	Feasibility study needed to evaluate a proposed interconnection from N110-00-00 to lower Greens Bayou	06000001, 06000011, 06000012, 06000015	Harris	12040101, 12040104
061000175	Solutions for Advancing Flood Mitigation, Equity, and Resilience	Feasibility study to identify regional flood management projects for broad-scale flood mitigation and potential Federal cost-sharing. The study will also explore beneficial uses beyond flood mitigation, such as water supply.	06000001, 06000011, 06000012, 06000015	Harris	12040203, 12040104, 12040101, 12040103, 12040204, 12040102
061000176	Lower Greens Bayou Watershed Study	Feasibility study to ID flood damage reduction measures to reduce the risk of flooding in the lower strech of Greens Bayou	06000001, 06000011, 06000012, 06000015	Harris	12040102, 12040101, 12040104
061000177	Addicks Reservoir Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000010, 06000015	Harris, Waller	12040102, 12040104
061000178	Barker Reservoir Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000010, 06000015	Fort Bend, Harris, Waller	12040102, 12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000171	Spring Gully Watershed Planning Project Near-term Planning Project: PA04	120401040705, 120401040706, 120401040704, 120402030105, 120402030104, 120402030106	06000097,06000098,06000096,06000103,06000102,06000104	Watershed Planning	34.83	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Baytown, Harris County Flood Control District, Harris
061000172	Spring Gully Watershed Planning Project Near-term Planning Project: PA05	120401040705, 120401040706, 120401040704, 120402030105, 120402030104, 120402030106	06000097,06000098,06000096,06000103,06000102,06000104	Project Planning	34.83	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Baytown, Harris County Flood Control District, Harris
061000173	Update Liberty County FIRMs to Include Bench Marks	120401030201, 120401030108, 120401030109, 120401030205, 120401030402, 120401030203, 120401030204, 120401030202, 120401030401, 120402030104, 120402030103, 120402030102, 120402030101	06000056,06000053,06000054,06000060,06000070,06000058,06000059,06000057,06000069,06000102,06000101,06000100,06000099	Watershed Planning	1169.76	Urban/Local	Liberty County	Dayton, Liberty, Liberty County Water Control District 1
061000174	Carpenters Planning Study N110-00-00 Diversion to P103-00/P103-03	120401010502, 120401040605, 120401040703, 120401040705, 120401040702, 120401040606, 120401040704	06000025,06000091,06000095,06000097,06000094,06000092,06000096	Project Planning	31.03	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000175	Solutions for Advancing Flood Mitigation, Equity, and Resilience	120401010502, 120401040605, 120401040703, 120401040705, 120401040702, 120401040606, 120401040704	06000025,06000091,06000095,06000097,06000094,06000092,06000096	Project Planning	1770.82	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris, Liberty County Water Control District 1
061000176	Lower Greens Bayou Watershed Study	120401010502, 120401010501, 120401020106, 120401020107, 120401040605, 120401040703, 120401040601, 120401040702, 120401040302, 120401040604, 120401040606, 120401040304, 120401040301, 120401040602, 120401040603, 120401040701	06000025,06000024,06000031,06000032,06000091,06000095,06000087,06000094,06000079,06000090,06000092,06000081,06000078,06000088,06000089,06000093	Project Planning	26.65	Riverine	Harris County Flood Control District (HCFCD)	Houston, Humble, Harris County Flood Control District, Harris
061000177	Addicks Reservoir Watershed Study	120401020103, 120401040102, 120401040202, 120401040104, 120401040201, 120401040302, 120401040101, 120401040203, 120401040303, 120401040301	06000028,06000072,06000076,06000074,06000075,06000079,06000071,06000077,06000080,06000078	Watershed Planning	137.96	Riverine	Harris County Flood Control District (HCFCD)	Houston, San Jacinto River Authority, Waller, Katy, Harris, Harris County Flood Control District
061000178	Barker Reservoir Watershed Study	120401020103, 120401040102, 120401040103, 120401040104, 120401040101, 120401040203, 120401040303, 120401040401	06000028,06000072,06000073,06000074,06000071,06000077,06000080,06000083	Watershed Planning	128.16	Riverine	Harris County Flood Control District (HCFCD)	Brazos River Authority, Houston, San Jacinto River Authority, Waller, Fort Bend, Fulshear, Katy, Harris, Harris County Flood Control District

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000171	Spring Gully Watershed Planning Project Near-term Planning Project: PA04	Yes	$ 210,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000172	Spring Gully Watershed Planning Project Near-term Planning Project: PA05	Yes	$ 250,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000173	Update Liberty County FIRMs to Include Bench Marks	No	$ 50,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000174	Carpenters Planning Study N110-00-00 Diversion to P103-00/P103-03	Yes	$ 1,200,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000175	Solutions for Advancing Flood Mitigation, Equity, and Resilience	Yes	$ 30,000,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000176	Lower Greens Bayou Watershed Study	Yes	$ 1,000,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000177	Addicks Reservoir Watershed Study	Yes	$ 670,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000178	Barker Reservoir Watershed Study	Yes	$ 620,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000179	Buffalo Bayou Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000010, 06000015	Fort Bend, Harris	12040104
061000180	Brays Bayou Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000010, 06000015	Fort Bend, Harris	12040104
061000181	Cypress Creek Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000010, 06000015	Harris, Waller	12040102, 12040104
061000182	Hunting Bayou Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000010, 06000015	Harris	12040104
061000183	Sims Bayou Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000010, 06000015	Fort Bend, Harris	12040204, 12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000179	Buffalo Bayou Watershed Study	120401040703, 120401040402, 120401040104, 120401040305, 120401040302, 120401040203, 120401040303, 120401040304, 120401040401, 120401040701	06000095,06000084,06000074,06000082,06000079,06000077,06000080,06000081,06000083,06000093	Watershed Planning	101.51	Riverine	Harris County Flood Control District (HCFCD)	Houston, Hilshire Village, San Jacinto River Authority, Spring Valley Village, Fort Bend, Bunker Hill Village, Hedwig Village, Harris, Harris County Flood Control District, Piney Point Village
061000180	Brays Bayou Watershed Study	120401040703, 120401040402, 120401040305, 120401040303, 120401040401, 120401040502	06000095,06000084,06000082,06000080,06000083,06000086	Watershed Planning	128.21	Riverine	Harris County Flood Control District (HCFCD)	Houston, Southside Place, San Jacinto River Authority, Meadows Place, Fort Bend, Missouri City, Stafford, West University Place, Harris, Bellaire, Sugar Land, Harris County Flood Control District
061000181	Cypress Creek Watershed Study	120401020102, 120401020103, 120401020104, 120401020106, 120401020101, 120401020105, 120401020107, 120401020201, 120401020210, 120401020212, 120401020213, 120401040601, 120401040102, 120401040201, 120401040101, 120401040203, 120401040301, 120401040602, 120401040603	06000027,06000028,06000029,06000031,06000026,06000030,06000032,06000033,06000042,06000044,06000045,06000087,06000072,06000075,06000071,06000077,06000078,06000088,06000089	Watershed Planning	266.21	Riverine	Harris County Flood Control District (HCFCD)	Brazos River Authority, Houston, San Jacinto River Authority, Waller, Prairie View, Harris, Tomball, Harris County Flood Control District
061000182	Hunting Bayou Watershed Study	120401040703, 120401040604, 120401040606, 120401040304, 120401040701	06000095,06000090,06000092,06000081,06000093	Watershed Planning	30.87	Riverine	Harris County Flood Control District (HCFCD)	Houston, Jacinto City, Galena Park, Harris, Harris County Flood Control District
061000183	Sims Bayou Watershed Study	120401040703, 120401040402, 120401040502, 120401040501, 120402040400, 120402040100	06000095,06000084,06000086,06000085,06000109,06000106	Watershed Planning	93.21	Riverine	Harris County Flood Control District (HCFCD)	Houston, San Jacinto River Authority, Pasadena, Fort Bend, Missouri City, Stafford, Brazos Bend Water Authority, Harris, South Houston, Harris County Flood Control District

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000179	Buffalo Bayou Watershed Study	Yes	$ 500,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000180	Brays Bayou Watershed Study	Yes	$ 620,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000181	Cypress Creek Watershed Study	Yes	$ 1,230,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000182	Hunting Bayou Watershed Study	Yes	$ 500,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000183	Sims Bayou Watershed Study	Yes	$ 470,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000184	White Oak Bayou Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Harris	12040102, 12040104
061000185	Upper Greens Bayou Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000010, 06000015	Harris	12040102, 12040101, 12040104
061000186	Brays Bayou - Poor Farm Ditch	Study to develop a BCR and elevate project to a FMP. Further study of channel improvements from partnership project to restore channel conveyance, evaluated including Atlas 14 rainfall	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000187	Brays Bayou Restore Channel Conveyance Capacity Along D115-00-00	Further study of channel modifications from partnership project to restore channel conveyance, evaluated using Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000188	Brays Bayou - Partnership Project with Fort Bend County on Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along Clodine Ditch	Further study of channel improvements from partnership project to restore channel conveyanve including Atlas 14 rainfalls.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris	12040104
061000191	Spring Creek - Construction of a Reservoir along Spring Creek	Further study for design and construction of a future flood control dam and reservoir in the Spring Creek watershed	06000001, 06000011, 06000012, 06000015	Harris, Waller, Montgomery, Grimes	12040102, 12040101, 12040104
061000192	White Oak Bayou - E127-00-00 Fork	Further study of channel improvements from partnership project to restore channel conveyanve including Atlas 14 rainfalls.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000194	White Oak Bayou - Turkey Gully E106-00-00	Develop BCA to become a FMP. Further study of channel modifications from partnership project to restore channel conveyance, evaluated using Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000196	White Oak Bayou - General Drainage Improvements along E105-00-00	Further study of channel improvements from partnership project to restore channel conveyanve including Atlas 14 rainfalls.	06000001, 06000011, 06000012, 06000015	Harris	12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000184	White Oak Bayou Watershed Study	120401020104, 120401020106, 120401040601, 120401040305, 120401040302, 120401040604, 120401040303, 120401040304, 120401040301, 120401040701	06000029,06000031,06000087,06000082,06000079,06000090,06000080,06000081,06000078,06000093	Watershed Planning	110.70	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris, Jersey Village
061000185	Upper Greens Bayou Watershed Study	120401010502, 120401010501, 120401020106, 120401020107, 120401040605, 120401040703, 120401040601, 120401040702, 120401040302, 120401040604, 120401040606, 120401040304, 120401040301, 120401040602, 120401040603, 120401040701	06000025,06000024,06000031,06000032,06000091,06000095,06000087,06000094,06000079,06000090,06000092,06000081,06000078,06000088,06000089,06000093	Watershed Planning	201.48	Riverine	Harris County Flood Control District (HCFCD)	Houston, Humble, Harris County Flood Control District, Harris
061000186	Brays Bayou - Poor Farm Ditch	120401040402	06000084	Project Planning	3.34	Riverine	Harris County Flood Control District (HCFCD)	Houston, Southside Place, West University Place, Harris, Harris County Flood Control District
061000187	Brays Bayou Restore Channel Conveyance Capacity Along D115-00-00	120401040401	06000083	Project Planning	6.32	Riverine	Harris County Flood Control District (HCFCD)	Houston, Bellaire, Harris County Flood Control District, Harris
061000188	Brays Bayou - Partnership Project with Fort Bend County on Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along Clodine Ditch	120401040103, 120401040104, 120401040303, 120401040401	06000073,06000074,06000080,06000083	Project Planning	34.14	Riverine	Harris County Flood Control District (HCFCD)	Houston, Fort Bend, Harris County Flood Control District, Harris
061000191	Spring Creek - Construction of a Reservoir along Spring Creek	120401040103, 120401040104, 120401040303, 120401040401	06000073,06000074,06000080,06000083	Project Planning	384.39	Riverine	Harris County Flood Control District (HCFCD)	Grimes, Waller, Montgomery, Harris, Harris County Flood Control District
061000192	White Oak Bayou - E127-00-00 Fork	120401040302, 120401040301	06000079,06000078	Project Planning	2.23	Riverine	City of Jersey Village	Harris County Flood Control District, Harris
061000194	White Oak Bayou - Turkey Gully E106-00-00	120401040304	06000081	Project Planning	6.78	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000196	White Oak Bayou - General Drainage Improvements along E105-00-00	120401040304	06000081	Project Planning	0.92	Riverine	City of Houston	Houston, Harris County Flood Control District, Harris

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000184	White Oak Bayou Watershed Study	Yes	$ 800,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000185	Upper Greens Bayou Watershed Study	Yes	$ 980,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000186	Brays Bayou - Poor Farm Ditch	Yes	$ 690,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000187	Brays Bayou Restore Channel Conveyance Capacity Along D115-00-00	Yes	$ 1,020,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000188	Brays Bayou - Partnership Project with Fort Bend County on Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along Clodine Ditch	No	$ 1,020,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000191	Spring Creek - Construction of a Reservoir along Spring Creek	Yes	$ 870,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000192	White Oak Bayou - E127-00-00 Fork	No	$ 150,000.00	No	Sponsor secured funding for FME.
061000194	White Oak Bayou - Turkey Gully E106-00-00	Yes	$ 1,330,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000196	White Oak Bayou - General Drainage Improvements along E105-00-00	No	$ 120,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000197	Investigation of COH Properties for Conversion to Stormwater Det. Basins	Further study for design and construction of stormwater detention basins on various City of Houston properties that may reduce the risk of flooding in the area	06000001, 06000011, 06000012, 06000015	Harris	12040203, 12040104, 12040101, 12040103, 12040204, 12040102
061000201	Little Cypress Creek - L109-00-00	Feasibility study of L109-00-00 to identify feasible flood risk reduction measures	06000001, 06000011, 06000012, 06000015	Harris	12040102
061000202	Little Cypress Creek - L113-00-00	Feasibility study of L113-00-00 to identify feasible flood risk reduction measures	06000001, 06000011, 06000012, 06000015	Harris	12040102
061000203	Little Cypress Creek - L103-00-00	Feasibility study of L103-00-00 to identify feasible flood risk reduction measures	06000001, 06000011, 06000012, 06000015	Harris	12040102
061000204	Greens Bayou - P130-05-02	Feasibility study of P130-05-02 to identify feasible flood risk reduction measures	06000001, 06000010, 06000015	Harris	12040104
061000205	Greens Bayou - P142-00-00	Feasibility study of P142-00-00 to identify feasible flood risk reduction measures	06000001, 06000010, 06000015	Harris	12040104
061000207	San Jacinto River - G103-46-00	Feasibility study of G103-46-00 to identify feasible flood risk reduction measures	06000001, 06000011, 06000012, 06000015	Harris, Montgomery	12040101
061000208	San Jacinto River - G103-33-04	Feasibility study of G103-33-04 to identify feasible flood risk reduction measures	06000001, 06000011, 06000012, 06000015	Harris	12040101
061000209	San Jacinto River - G103-36-00	Feasibility study of G103-36-00 to identify feasible flood risk reduction measures	06000001, 06000011, 06000012, 06000015	Harris, Montgomery	12040101
061000213	City of Conroe Riverine Study and Mapping Improvements	Study and new modeling for moderate to low quality areas and revise the flood maps using the results from the updated modeling.	06000001, 06000010, 06000015	Montgomery	12040101
061000214	April Sound Subdivision Evaluation	Detailed analysis to be completed for the entire development using detailed storm sewer modeling.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000197	Investigation of COH Properties for Conversion to Stormwater Det. Basins	120401020104, 120401020106, 120401040601, 120401040305, 120401040302, 120401040604, 120401040303, 120401040304, 120401040301, 120401040701	06000029,06000031,06000087,06000082,06000079,06000090,06000080,06000081,06000078,06000093	Project Planning	1770.82	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris, Liberty County Water Control District 1
061000201	Little Cypress Creek - L109-00-00	120401020104, 120401020105, 120401020210	06000029,06000030,06000042	Project Planning	5.58	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District, Harris
061000202	Little Cypress Creek - L113-00-00	120401020104, 120401020105, 120401020205	06000029,06000030,06000037	Project Planning	14.96	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District, Harris
061000203	Little Cypress Creek - L103-00-00	120401020104, 120401020106, 120401020105	06000029,06000031,06000030	Project Planning	5.24	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000204	Greens Bayou - P130-05-02	120401040602	06000088	Project Planning	0.13	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000205	Greens Bayou - P142-00-00	120401040603	06000089	Project Planning	1.63	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000207	San Jacinto River - G103-46-00	120401010501	06000024	Project Planning	58.51	Riverine	Harris County Flood Control District (HCFCD)	Houston, Montgomery, Humble, Harris, Harris County Flood Control District
061000208	San Jacinto River - G103-33-04	120401010501	06000024	Project Planning	1.13	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000209	San Jacinto River - G103-36-00	120401010501	06000024	Project Planning	58.51	Riverine	Harris County Flood Control District (HCFCD)	Houston, Montgomery, Humble, Harris, Harris County Flood Control District
061000213	City of Conroe Riverine Study and Mapping Improvements	120401010207, 120401010401, 120401010402	06000011, 06000020, 06000021	Watershed Planning	100.07	Riverine	City of Conroe	Montgomery, Montgomery County Drainage District 9, Conroe, San Jacinto River Authority
061000214	April Sound Subdivision Evaluation	120401010207, 120401010401, 120401010402	06000011, 06000020, 06000021	Project Planning	100.07	Urban/Local	City of Conroe	Montgomery, Montgomery County Drainage District 9, Conroe, San Jacinto River Authority

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000197	Investigation of COH Properties for Conversion to Stormwater Det. Basins	Yes	$ 500,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000201	Little Cypress Creek - L109-00-00	Yes	$ 200,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000202	Little Cypress Creek - L113-00-00	Yes	$ 300,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000203	Little Cypress Creek - L103-00-00	Yes	$ 150,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000204	Greens Bayou - P130-05-02	Yes	$ 150,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000205	Greens Bayou - P142-00-00	Yes	$ 250,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000207	San Jacinto River - G103-46-00	Yes	$ 200,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000208	San Jacinto River - G103-33-04	Yes	$ 200,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000209	San Jacinto River - G103-36-00	Yes	$ 750,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000213	City of Conroe Riverine Study and Mapping Improvements	No	$ 500,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000214	April Sound Subdivision Evaluation	No	$ 1,700,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000215	City of Conroe Downtown Master Drainage Plan	Full as-built storm sewer intventory survey and a full drainage study recommended.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000216	Greens Bayou - P103-00-00	Feasibility study of P103-00-00 to identify feasible flood risk reduction measures	06000001, 06000010, 06000015	Harris	12040104
061000217	Barker - T101-00-00	Feasibility study of T101-00-00 to identify feasible flood risk reduction measures	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000218	Barker - T103-00-00	Feasibility study of T103-00-00 to identify feasible flood risk reduction measures	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000219	Buffalo Bayou - W158-00-00	Feasibility study of W158-00-00 to identify feasible flood risk reduction measures	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000220	Buffalo Bayou - W130-00-00	Feasibility study of W130-00-00 to identify feasible flood risk reduction measures	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000221	Buffalo Bayou - W163-00-00	Feasibility study of W163-00-00 to identify feasible flood risk reduction measures	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000222	City of Arcola Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Fort Bend	12040204
061000223	City of Baytown Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Chambers, Harris	12040203, 12040104
061000224	City of Beach City Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Chambers	12040203
061000225	City of Bellaire Master Drainage Plan	Conduct planning study to produce a Master Drainage Plan for the City of Bellaire, identifying and developing specific flood-related capital improvements and implementation plans necessary to acheive a desired level of service / flood protection.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000226	City of Brookside Village Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000215	City of Conroe Downtown Master Drainage Plan	120401010207, 120401010401, 120401010402	06000011, 06000020, 06000021	Project Planning	100.07	Urban/Local	City of Conroe	Montgomery, Montgomery County Drainage District 9, Conroe, San Jacinto River Authority
061000216	Greens Bayou - P103-00-00	120401040703, 120401040702, 120401040606	06000095,06000094,06000092	Project Planning	5.55	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000217	Barker - T101-00-00	120401040102, 120401040104, 120401040203, 120401040303	06000072,06000074,06000077,06000080	Project Planning	17.28	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris, Katy
061000218	Barker - T103-00-00	120401040104	06000074	Project Planning	4.07	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris, Katy
061000219	Buffalo Bayou - W158-00-00	120401040303	06000080	Project Planning	2.82	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000220	Buffalo Bayou - W130-00-00	120401040305, 120401040303	06000082,06000080	Project Planning	2.79	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000221	Buffalo Bayou - W163-00-00	120401040303	06000080	Project Planning	1.39	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000222	City of Arcola Master Drainage Plan	120402040400	06000109	Watershed Planning	2.60	Riverine	City of Arcola	Arcola, Fort Bend
061000223	City of Baytown Master Drainage Plan	120401040705, 120401040706, 120402030105, 120402030106, 120402030200	06000097,06000098,06000103,06000104,06000105	Watershed Planning	38.05	Urban/Local	City of Baytown	Chambers, Baytown, Harris, Harris County Flood Control District
061000224	City of Beach City Master Drainage Plan	120402030200	06000105	Watershed Planning	4.46	Urban/Local	City of Beach City	Chambers, Beach City
061000225	City of Bellaire Master Drainage Plan	120401040402, 120401040401	06000084,06000083	Watershed Planning	3.58	Riverine	City of Bellaire	Bellaire, Harris County Flood Control District, Harris
061000226	City of Brookside Village Master Drainage Plan	120402040100	06000106	Watershed Planning	2.06	Urban/Local	City of Brookside Village	Brookside Village, West Brazoria County Drainage District, Brazoria

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000215	City of Conroe Downtown Master Drainage Plan	No	$ 750,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000216	Greens Bayou - P103-00-00	Yes	$ 300,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000217	Barker - T101-00-00	Yes	$ 500,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000218	Barker - T103-00-00	Yes	$ 300,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000219	Buffalo Bayou - W158-00-00	Yes	$ 200,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000220	Buffalo Bayou - W130-00-00	Yes	$ 100,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000221	Buffalo Bayou - W163-00-00	Yes	$ 200,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000222	City of Arcola Master Drainage Plan	No	$ 200,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000223	City of Baytown Master Drainage Plan	Yes	$ 520,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000224	City of Beach City Master Drainage Plan	Yes	$ 240,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000225	City of Bellaire Master Drainage Plan	Yes	$ 1,500,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000226	City of Brookside Village Master Drainage Plan	Yes	$ 190,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000227	City of Bunker Hill Village Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000228	City of Clear Lake Shores Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall	06000001, 06000011, 06000012, 06000015	Galveston, Harris	12040204
061000229	City of Cleveland Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Liberty, Montgomery, San Jacinto	12040103
061000230	City of Coldspring Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	San Jacinto	12040103
061000232	City of Cut and Shoot Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101, 12040103
061000233	City of Dayton Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Liberty	12040203
061000234	City of Deer Park Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris	12040204, 12040104
061000235	City of Dickinson Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000236	City of El Lago Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris	12040204
061000237	City of Friendswood Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Galveston, Harris	12040204
061000238	City of Fulshear Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Fort Bend	12040104
061000239	City of Galena Park Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000241	City of Hedwig Village Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris	12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000227	City of Bunker Hill Village Master Drainage Plan	120401040303	06000080	Watershed Planning	1.44	Riverine	City of Bunker Hill Village	Harris County Flood Control District, Harris, Bunker Hill Village
061000228	City of Clear Lake Shores Master Drainage Plan	120402040100	06000106	Watershed Planning	0.71	Urban/Local	City of Clear Lake Shores	Harris, Galveston, Clear Lake Shores, Harris County Flood Control District
061000229	City of Cleveland Master Drainage Plan	120401030201, 120401030108, 120401030109, 120401030203, 120401030202, 120401030401	06000056,06000053,06000054,06000058,06000057,06000069	Watershed Planning	18.74	Riverine	City of Cleveland	Cleveland, Liberty
061000230	City of Coldspring Master Drainage Plan	120401030307	06000067	Watershed Planning	1.85	Urban/Local	City of Coldspring	San Jacinto, Coldspring
061000232	City of Cut and Shoot Master Drainage Plan	120401010403, 120401030102, 120401030104	06000022,06000047,06000049	Watershed Planning	2.70	Riverine	City of Cut and Shoot	Montgomery, Cut and Shoot
061000233	City of Dayton Master Drainage Plan	120402030104, 120402030103, 120402030102, 120402030101	06000102,06000101,06000100,06000099	Watershed Planning	30.58	Riverine	City of Dayton	Dayton, Liberty, Liberty County Water Control District 1
061000234	City of Deer Park Master Drainage Plan	120401040703, 120401040706, 120402040100	06000095,06000098,06000106	Watershed Planning	10.53	Urban/Local	City of Deer Park	Deer Park, Harris County Flood Control District, Harris
061000235	City of Dickinson Master Drainage Plan	120402040200	06000107	Watershed Planning	10.30	Urban/Local	City of Dickinson	Galveston, Dickinson
061000236	City of El Lago Master Drainage Plan	120402040100	06000106	Watershed Planning	0.71	Riverine, Coastal	City of El Lago	El Lago, Harris
061000237	City of Friendswood Master Drainage Plan	120402040200, 120402040100	06000107,06000106	Watershed Planning	20.83	Urban/Local	City of Friendswood	Friendswood, Harris, Harris County Flood Control District, Galveston
061000238	City of Fulshear Master Drainage Plan	120401040103	06000073	Watershed Planning	12.06	Urban/Local	City of Fulshear	Fulshear, Fort Bend
061000239	City of Galena Park Master Drainage Plan	120401040703, 120401040701	06000095,06000093	Watershed Planning	4.90	Urban/Local	City of Galena Park	Galena Park, Harris County Flood Control District, Harris
061000241	City of Hedwig Village Master Drainage Plan	120401040303	06000080	Watershed Planning	0.94	Urban/Local	City of Hedwig Village	Hedwig Village, Harris County Flood Control District, Harris

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000227	City of Bunker Hill Village Master Drainage Plan	No	$ 170,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000228	City of Clear Lake Shores Master Drainage Plan	Yes	$ 140,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000229	City of Cleveland Master Drainage Plan	No	$ 400,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000230	City of Coldspring Master Drainage Plan	No	$ 180,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000232	City of Cut and Shoot Master Drainage Plan	No	$ 210,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000233	City of Dayton Master Drainage Plan	No	$ 108,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000234	City of Deer Park Master Drainage Plan	Yes	$ 320,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000235	City of Dickinson Master Drainage Plan	Yes	$ 320,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000236	City of El Lago Master Drainage Plan	No	$ 140,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000237	City of Friendswood Master Drainage Plan	Yes	$ 750,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000238	City of Fulshear Master Drainage Plan	Yes	$ 340,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000239	City of Galena Park Master Drainage Plan	Yes	$ 250,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000241	City of Hedwig Village Master Drainage Plan	Yes	$ 150,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000242	City of Hillcrest Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204
061000243	City of Hilshire Village Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000244	City of Hitchcock Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Brazoria, Galveston	12040204
061000246	City of Humble Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris	12040102, 12040101, 12040104
061000247	City of Hunters Creek Village Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000248	City of Huntsville Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Walker	12040101, 12040103
061000249	City of Iowa Colony Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204
061000250	City of Jacinto City Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000251	City of Jamaica Beach Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000252	City of Jersey Village Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000253	City of Katy Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris, Waller	12040104
061000254	City of Kemah Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Galveston, Chambers	12040204
061000255	City of La Marque Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Galveston	12040204

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000242	City of Hillcrest Master Drainage Plan	120402040400	06000109	Watershed Planning	0.44	Urban/Local	Hillcrest Village	Hillcrest Village, West Brazoria County Drainage District, Brazoria
061000243	City of Hilshire Village Master Drainage Plan	120401040303	06000080	Watershed Planning	0.27	Urban/Local	City of Hilshire Village	Hedwig Village, Harris County Flood Control District, Harris
061000244	City of Hitchcock Master Drainage Plan	120402040300, 120402040200	06000108,06000107	Watershed Planning	91.21	Urban/Local	City of Hitchcock	West Brazoria County Drainage District, Brazoria, Hitchcock, Galveston
061000246	City of Humble Master Drainage Plan	120401010501, 120401020213, 120401040602	06000024,06000045,06000088	Watershed Planning	9.79	Urban/Local	City of Humble	Humble, Harris County Flood Control District, Harris
061000247	City of Hunters Creek Village Master Drainage Plan	120401040303	06000080	Watershed Planning	1.95	Urban/Local	City of Hunters Creek Village	Hilshire Village, Harris County Flood Control District, Harris
061000248	City of Huntsville Master Drainage Plan	120401010104, 120401010102, 120401010201, 120401010202, 120401030302	06000004, 06000002, 06000005, 06000006, 06000062	Watershed Planning	43.24	Urban/Local	City of Huntsville	Huntsville, Walker
061000249	City of Iowa Colony Master Drainage Plan	120402040400	06000109	Watershed Planning	9.42	Urban/Local	City of Iowa Colony	West Brazoria County Drainage District, Brazoria, Iowa Colony
061000250	City of Jacinto City Master Drainage Plan	120401040701	06000093	Watershed Planning	1.85	Riverine, Coastal	City of Jacinto City	Jacinto City, Harris
061000251	City of Jamaica Beach Master Drainage Plan	120402040300	06000108	Watershed Planning	0.71	Riverine, Coastal	City of Jamaica Beach	Jamaica Beach, Galveston
061000252	City of Jersey Village Master Drainage Plan	120401040302, 120401040301	06000079,06000078	Watershed Planning	3.42	Urban/Local	City of Jersey Village	Harris County Flood Control District, Harris, Jersey Village
061000253	City of Katy Master Drainage Plan	120401040102, 120401040103, 120401040104, 120401040101, 120401040203	06000072,06000073,06000074,06000071,06000077	Watershed Planning	14.52	Urban/Local	City of Katy	Waller, Fort Bend, Katy, Harris, Harris County Flood Control District
061000254	City of Kemah Master Drainage Plan	120402040200, 120402040100	06000107,06000106	Watershed Planning	1.91	Urban/Local	City of Kemah	Kemah, Chambers, Galveston
061000255	City of La Marque Master Drainage Plan	120402040200	06000107	Watershed Planning	14.23	Urban/Local	City of La Marque	La Marque, Galveston

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000242	City of Hillcrest Master Drainage Plan	Yes	$ 130,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000243	City of Hilshire Village Master Drainage Plan	Yes	$ 110,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000244	City of Hitchcock Master Drainage Plan	Yes	$ 720,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000246	City of Humble Master Drainage Plan	Yes	$ 320,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000247	City of Hunters Creek Village Master Drainage Plan	Yes	$ 190,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000248	City of Huntsville Master Drainage Plan	Yes	$ 500,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000249	City of Iowa Colony Master Drainage Plan	Yes	$ 310,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000250	City of Jacinto City Master Drainage Plan	No	$ 180,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000251	City of Jamaica Beach Master Drainage Plan	No	$ 140,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000252	City of Jersey Village Master Drainage Plan	Yes	$ 220,000.00	No	Sponsor secured funding for FME.
061000253	City of Katy Master Drainage Plan	Yes	$ 360,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000254	City of Kemah Master Drainage Plan	Yes	$ 190,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000255	City of La Marque Master Drainage Plan	Yes	$ 360,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000256	City of La Porte Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris	12040204, 12040104
061000257	City of League City Master Drainage Plan	Project would be a drainage model building off the recently completed CoLC 2-D Drainage Model and expand this model in the City's subdivisions and neighborhoods. It would be intended for this to be done in phases with areas where FEMA has had a high conce	06000001, 06000011, 06000012, 06000015	Galveston, Harris	12040204
061000258	City of Liverpool Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204
061000259	City of Magnolia Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery	12040102
061000260	City of Manvel Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204
061000261	City of Meadows Place Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Fort Bend	12040104
061000262	City of Missouri City Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris	12040204, 12040104
061000263	City of Mont Belvieu Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Chambers, Harris, Liberty	12040203
061000264	City of Montgomery Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000265	City of Morgan's Point Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Chambers, Harris	12040204, 12040104
061000266	City of Nassau Bay Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Galveston, Harris	12040204
061000267	City of New Waverly Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Walker	12040103
061000268	City of North Cleveland Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Liberty	12040103

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000256	City of La Porte Master Drainage Plan	120401040706, 120402040100	06000098,06000106	Watershed Planning	19.83	Urban/Local	City of La Porte	La Porte, Harris County Flood Control District, Harris
061000257	City of League City Master Drainage Plan	120402040200, 120402040100	06000107,06000106	Watershed Planning	52.89	Urban/Local	City of League City	League City, Harris, Harris County Flood Control District, Galveston
061000258	City of Liverpool Master Drainage Plan	120402040400	06000109	Watershed Planning	1.09	Urban/Local	City of Liverpool	West Brazoria County Drainage District, Brazoria, Liverpool
061000259	City of Magnolia Master Drainage Plan	120401020204, 120401020207, 120401020208	06000036,06000039,06000040	Watershed Planning	2.87	Riverine	City of Magnolia	Montgomery, Magnolia
061000260	City of Manvel Master Drainage Plan	120402040200, 120402040400, 120402040100	06000107,06000109,06000106	Watershed Planning	27.41	Urban/Local	City of Manvel	West Brazoria County Drainage District, Brazoria, Manvel
061000261	City of Meadows Place Master Drainage Plan	120401040401	06000083	Watershed Planning	0.93	Urban/Local	City of Meadows Place	Meadows Place, Fort Bend
061000262	City of Missouri City Master Drainage Plan	120401040401, 120401040501, 120402040400	06000083,06000085,06000109	Watershed Planning	30.29	Riverine	City of Missouri City	Fort Bend, Missouri City
061000263	City of Mont Belvieu Master Drainage Plan	120402030105, 120402030104	06000103,06000102	Watershed Planning	17.20	Riverine, Coastal	City of Mont Belvieu	Mont Belvieu, Chambers, Liberty County Water Control District 1
061000264	City of Montgomery Master Drainage Plan	120401010307, 120401010206	06000018, 06000010	Watershed Planning	5.10	Riverine	City of Montgomery	Montgomery, Montgomery
061000265	City of Morgan's Point Master Drainage Plan	120401040706, 120402040100	06000098,06000106	Watershed Planning	2.22	Urban/Local	City of Morgan's Point	Morgan's Point, Harris County Flood Control District, Harris
061000266	City of Nassau Bay Master Drainage Plan	120402040100	06000106	Watershed Planning	1.74	Urban/Local	City of Nassau Bay	Nassau Bay, Harris, Harris County Flood Control District, Galveston
061000267	City of New Waverly Master Drainage Plan	120401030101	06000046	Watershed Planning	2.21	Riverine	City of New Waverly	New Waverly, Walker
061000268	City of North Cleveland Master Drainage Plan	120401030201, 120401030401	06000056,06000069	Watershed Planning	1.91	Riverine	City of North Cleveland	North Cleveland, Liberty

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000256	City of La Porte Master Drainage Plan	Yes	$ 410,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000257	City of League City Master Drainage Plan	Yes	$ 580,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000258	City of Liverpool Master Drainage Plan	Yes	$ 160,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000259	City of Magnolia Master Drainage Plan	No	$ 210,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000260	City of Manvel Master Drainage Plan	Yes	$ 460,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000261	City of Meadows Place Master Drainage Plan	Yes	$ 150,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000262	City of Missouri City Master Drainage Plan	No	$ 470,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000263	City of Mont Belvieu Master Drainage Plan	No	$ 390,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000264	City of Montgomery Master Drainage Plan	No	$ 250,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000265	City of Morgan's Point Master Drainage Plan	Yes	$ 190,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000266	City of Nassau Bay Master Drainage Plan	Yes	$ 180,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000267	City of New Waverly Master Drainage Plan	No	$ 190,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000268	City of North Cleveland Master Drainage Plan	No	$ 190,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000269	City of Oak Ridge North Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery	12040102, 12040101
061000270	City of Panorama Village Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000271	City of Pasadena Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Chambers, Harris	12040204, 12040104
061000272	City of Patton Village Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery	12040103
061000274	City of Piney Point Village Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000275	City of Plantersville Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Grimes	12040102, 12040101
061000276	City of Plum Grove Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Liberty	12040103
061000277	City of Prairie View Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Waller	12040102
061000278	City of Roman Forest Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery	12040103
061000279	City of Santa Fe Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000280	City of Seabrook Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Galveston, Chambers, Harris	12040204
061000281	City of Shenandoah Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery	12040102, 12040101
061000282	City of Shoreacres Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Chambers, Harris	12040204
061000283	City of South Houston Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris	12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000269	City of Oak Ridge North Master Drainage Plan	120401010404, 120401020212	06000023,06000044	Watershed Planning	1.44	Urban/Local	City of Oak Ridge North	Montgomery, Oak Ridge North
061000270	City of Panorama Village Master Drainage Plan	120401010207, 120401010401	06000011, 06000020	Watershed Planning	1.09	Riverine	City of Panorama Village	Montgomery, Panorama Village
061000271	City of Pasadena Master Drainage Plan	120401040703, 120401040502, 120402040100	06000095,06000086,06000106	Watershed Planning	44.58	Urban/Local	City of Pasadena	Pasadena, Harris County Flood Control District, Harris
061000272	City of Patton Village Master Drainage Plan	120401030109, 120401030402	06000054,06000070	Watershed Planning	2.40	Urban/Local	City of Patton Village	Montgomery, Patton Village
061000274	City of Piney Point Village Master Drainage Plan	120401040303	06000080	Watershed Planning	2.13	Urban/Local	City of Piney Point Village	Piney Point Village, Harris County Flood Control District, Harris
061000275	City of Plantersville Master Drainage Plan	120401010305, 120401010306, 120401020206	06000016, 06000017, 06000038	Watershed Planning	1.98	Riverine	City of Plantersville	Grimes, Plantersville
061000276	City of Plum Grove Master Drainage Plan	120401030402	06000070	Watershed Planning	3.61	Riverine	City of Plum Grove	Plum Grove, Liberty
061000277	City of Prairie View Master Drainage Plan	120401020101	06000026	Watershed Planning	7.32	Riverine	City of Prairie View	Waller, Prairie View
061000278	City of Roman Forest Master Drainage Plan	120401030109, 120401030402	06000054,06000070	Watershed Planning	2.19	Urban/Local	City of Roman Forest	Montgomery, Roman Forest
061000279	City of Santa Fe Master Drainage Plan	120402040300, 120402040200	06000108,06000107	Watershed Planning	17.04	Urban/Local	City of Santa Fe	Santa Fe, Galveston
061000280	City of Seabrook Master Drainage Plan	120402040100	06000106	Watershed Planning	21.19	Urban/Local	City of Seabrook	Seabrook, Chambers, Harris, Galveston, Harris County Flood Control District
061000281	City of Shenandoah Master Drainage Plan	120401010402, 120401010404, 120401020211, 120401020212	06000021,06000023,06000043,06000044	Watershed Planning	1.95	Urban/Local	City of Shenandoah	Montgomery, Shenandoah
061000282	City of Shoreacres Master Drainage Plan	120402040100	06000106	Watershed Planning	0.96	Riverine, Coastal	City of Shoreacres	Shoreacres, Harris County Flood Control District, Harris
061000283	City of South Houston Master Drainage Plan	120401040703, 120401040502	06000095,06000086	Watershed Planning	3.04	Urban/Local	City of South Houston	South Houston, Harris County Flood Control District, Harris

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000269	City of Oak Ridge North Master Drainage Plan	Yes	$ 170,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000270	City of Panorama Village Master Drainage Plan	No	$ 160,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000271	City of Pasadena Master Drainage Plan	Yes	$ 550,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000272	City of Patton Village Master Drainage Plan	Yes	$ 200,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000274	City of Piney Point Village Master Drainage Plan	Yes	$ 190,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000275	City of Plantersville Master Drainage Plan	No	$ 190,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000276	City of Plum Grove Master Drainage Plan	No	$ 230,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000277	City of Prairie View Master Drainage Plan	No	$ 290,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000278	City of Roman Forest Master Drainage Plan	Yes	$ 190,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000279	City of Santa Fe Master Drainage Plan	Yes	$ 380,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000280	City of Seabrook Master Drainage Plan	Yes	$ 420,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000281	City of Shenandoah Master Drainage Plan	Yes	$ 190,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000282	City of Shoreacres Master Drainage Plan	No	$ 150,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000283	City of South Houston Master Drainage Plan	Yes	$ 210,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000284	City of Southside Place Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000285	City of Splendora Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery	12040103
061000286	City of Spring Valley Village Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000287	City of Stafford Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris	12040204, 12040104
061000288	City of Stagecoach Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery	12040102
061000289	City of Sugar Land Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Fort Bend	12040104
061000290	City of Taylor Lake Village Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris	12040204
061000291	City of Texas City Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Galveston, Chambers	12040204
061000292	City of Tiki Island Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000293	City of Todd Mission Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Grimes	12040102
061000294	City of Tomball Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery	12040102
061000295	City of Waller Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris, Waller	12040102
061000296	City of Webster Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris	12040204
061000297	City of West University Place Master Drainage Plan	Study to develop refine Master Drainage Plan and Projects using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Harris	12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000284	City of Southside Place Master Drainage Plan	120401040402	06000084	Watershed Planning	0.25	Riverine	City of Southside Place	Southside Place, Harris
061000285	City of Splendora Master Drainage Plan	120401030109, 120401030402, 120401030401	06000054,06000070,06000069	Watershed Planning	3.06	Urban/Local	City of Splendora	Splendora, Montgomery
061000286	City of Spring Valley Village Master Drainage Plan	120401040303	06000080	Watershed Planning	1.21	Urban/Local	City of Spring Valley Village	Spring Valley Village, Harris County Flood Control District, Harris
061000287	City of Stafford Master Drainage Plan	120401040401, 120401040501, 120402040400	06000083,06000085,06000109	Watershed Planning	7.02	Urban/Local	City of Stafford	Stafford, Fort Bend, Harris County Flood Control District, Harris
061000288	City of Stagecoach Master Drainage Plan	120401020204, 120401020208	06000036,06000040	Watershed Planning	1.17	Riverine	City of Stagecoach	Montgomery, Stagecoach
061000289	City of Sugar Land Master Drainage Plan	120401040401	06000083	Watershed Planning	42.76	Urban/Local	City of Sugar Land	Sugar Land, Fort Bend
061000290	City of Taylor Lake Village Master Drainage Plan	120402040100	06000106	Watershed Planning	1.30	Riverine, Coastal	City of Taylor Lake Village	Taylor Lake Village, Harris County Flood Control District, Harris
061000291	City of Texas City Master Drainage Plan	120402040200	06000107	Watershed Planning	185.08	Urban/Local	City of Texas City	Chambers, Texas City, Galveston
061000292	City of Tiki Island Master Drainage Plan	120402040200	06000107	Watershed Planning	1.59	Urban/Local	City of Tiki Island	Tiki Island, Galveston
061000293	City of Todd Mission Master Drainage Plan	120401020203, 120401020206	06000035,06000038	Watershed Planning	2.00	Riverine	City of Todd Mission	Grimes, Todd Mission
061000294	City of Tomball Master Drainage Plan	120401020106, 120401020205, 120401020210, 120401020209	06000031,06000037,06000042,06000041	Watershed Planning	13.04	Riverine	City of Tomball	Tomball, Harris County Flood Control District, Harris
061000295	City of Waller Master Drainage Plan	120401020101, 120401020105, 120401020201	06000026,06000030,06000033	Watershed Planning	3.71	Riverine	City of Waller	Waller, Waller
061000296	City of Webster Master Drainage Plan	120402040100	06000106	Watershed Planning	6.60	Urban/Local	City of Webster	Webster, Harris County Flood Control District, Harris
061000297	City of West University Place Master Drainage Plan	120401040402	06000084	Watershed Planning	2.00	Riverine	West University Place	West University Place, Harris County Flood Control District, Harris

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000284	City of Southside Place Master Drainage Plan	No	$ 110,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000285	City of Splendora Master Drainage Plan	Yes	$ 210,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000286	City of Spring Valley Village Master Drainage Plan	Yes	$ 160,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000287	City of Stafford Master Drainage Plan	Yes	$ 280,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000288	City of Stagecoach Master Drainage Plan	No	$ 160,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000289	City of Sugar Land Master Drainage Plan	Yes	$ 540,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000290	City of Taylor Lake Village Master Drainage Plan	No	$ 170,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000291	City of Texas City Master Drainage Plan	Yes	$ 950,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000292	City of Tiki Island Master Drainage Plan	Yes	$ 180,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000293	City of Todd Mission Master Drainage Plan	No	$ 190,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000294	City of Tomball Master Drainage Plan	No	$ 350,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000295	City of Waller Master Drainage Plan	No	$ 100,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000296	City of Webster Master Drainage Plan	Yes	$ 280,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000297	City of West University Place Master Drainage Plan	No	$ 190,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000298	City of Willis Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101, 12040103
061000299	City of Woodbranch Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery	12040103
061000300	Town of Woodloch Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000301	Brazoria Flood Mapping Updates	County wide study to produce flood mappping updates including Atlas 14 rainfall.	06000001, 06000010, 06000015	Brazoria	12040204
061000302	Chambers Flood Mapping Updates	County wide study to produce flood mappping updates including Atlas 14 rainfall.	06000001, 06000010, 06000015	Chambers	12040203
061000304	Galveston Flood Mapping Updates	County wide study to produce flood mappping updates including Atlas 14 rainfall.	06000001, 06000010, 06000015	Galveston	12040204
061000305	Grimes Flood Mapping Updates	County wide study to produce flood mappping updates including Atlas 14 rainfall.	06000001, 06000010, 06000015	Grimes	12040102, 12040101

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000298	City of Willis Master Drainage Plan	120401010403, 120401010401, 120401010204, 120401010205, 120401030102, 120401030101	06000022,06000020,06000008,06000009,06000047,06000046	Watershed Planning	4.72	Riverine	City of Willis	Montgomery, Willis
061000299	City of Woodbranch Master Drainage Plan	120401030105, 120401030109	06000050,06000054	Watershed Planning	2.00	Urban/Local	Woodbranch Village	Montgomery, Woodbranch Village
061000300	Town of Woodloch Master Drainage Plan	120401010402	06000021	Watershed Planning	0.08	Urban/Local	Town of Woodloch	Woodloch, Montgomery
061000301	Brazoria Flood Mapping Updates	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Watershed Planning	1481.87	Riverine, Urban/Local	Brazoria County	Brookside Village, Hillcrest Village, Brazoria, Pearland, Alvin, Manvel, Liverpool, Hitchcock, Iowa Colony, West Brazoria County Drainage District
061000302	Chambers Flood Mapping Updates	120402030105, 120402030104, 120402030106, 120402030200	06000103,06000102,06000104,06000105	Watershed Planning	865.55	Riverine, Urban/Local	Chambers County	Seabrook, Mont Belvieu, Chambers, Morgan's Point, Pasadena, Texas City, Shoreacres, Baytown, Beach City, Kemah, Liberty County Water Control District 1
061000304	Galveston Flood Mapping Updates	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Watershed Planning	664.95	Riverine, Urban/Local	Galveston County	League City, Kemah, Seabrook, Tiki Island, Friendswood, Texas City, Santa Fe, La Marque, Hitchcock, Bayou Vista, Galveston, Nassau Bay, Clear Lake Shores, Jamaica Beach, Dickinson
061000305	Grimes Flood Mapping Updates	120401010101, 120401010301, 120401010302, 120401010303, 120401010103, 120401010304, 120401010305, 120401010306, 120401020202, 120401020203, 120401020207, 120401020206	06000001, 06000012, 06000013, 06000014, 06000003, 06000015, 06000016, 06000017, 06000034, 06000035, 06000039, 06000038	Watershed Planning	798.87	Riverine, Urban/Local	Grimes County	Grimes, Todd Mission, Plantersville

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000298	City of Willis Master Drainage Plan	No	$ 250,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000299	City of Woodbranch Master Drainage Plan	Yes	$ 190,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000300	Town of Woodloch Master Drainage Plan	Yes	$ 50,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000301	Brazoria Flood Mapping Updates	Yes	$ 6,440,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000302	Chambers Flood Mapping Updates	Yes	$ 631,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000304	Galveston Flood Mapping Updates	Yes	$ 2,960,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000305	Grimes Flood Mapping Updates	Yes	$ 908,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000307	Montgomery Flood Mapping Updates	County wide study to produce flood mappping updates including Atlas 14 rainfall.	06000001, 06000010, 06000015	Montgomery	12040102, 12040101, 12040103
061000308	San Jacinto Flood Mapping Updates	County wide study to produce flood mappping updates including Atlas 14 rainfall.	06000001, 06000010, 06000015	San Jacinto	12040103
061000309	Walker Flood Mapping Updates	County wide study to produce flood mappping updates including Atlas 14 rainfall.	06000001, 06000010, 06000015	Walker	12040101, 12040103
061000310	Waller Flood Mapping Updates	County wide study to produce flood mappping updates including Atlas 14 rainfall.	06000001, 06000010, 06000015	Waller	12040102, 12040104
061000311	37th Street, Galveston, Drainage Project	Further study and FMP development of existing storm sewer system replacement and upgrades using the city's updated drainage criteria that now require a 25-year storm drainage capacity.	06000001, 06000011, 06000012, 06000015	Brazoria, Galveston	12040204
061000312	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek	Develop BCA to become a FMP. This project is part of the South Mayde Creek Plan that could reduce the risk of flooding for more than 70 homes and reduce the rainfall event by more than 340 acres in a pre-Atlas 1% rainfall event.	06000001, 06000011, 06000012, 06000015	Harris	12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000307	Montgomery Flood Mapping Updates	120401010101, 120401010301, 120401010302, 120401010303, 120401010103, 120401010304, 120401010305, 120401010306, 120401020202, 120401020203, 120401020207, 120401020206	06000001, 06000012, 06000013, 06000014, 06000003, 06000015, 06000016, 06000017, 06000034, 06000035, 06000039, 06000038	Watershed Planning	1072.61	Riverine, Urban/Local	Montgomery County	Splendora, Houston, Magnolia, Woodloch, Conroe, Cut and Shoot, Shenandoah, Cleveland, Montgomery, Stagecoach, Patton Village, Roman Forest, Tomball, Oak Ridge North, Panorama Village, Montgomery County Drainage District 9
061000308	San Jacinto Flood Mapping Updates	120401030201, 120401030108, 120401030106, 120401030107, 120401030303, 120401030305, 120401030202, 120401030301, 120401030302, 120401030304, 120401030306, 120401030401, 120401030307, 120401030308	06000056,06000053,06000051,06000052,06000063,06000065,06000057,06000061,06000062,06000064,06000066,06000069,06000067,06000068	Watershed Planning	625.69	Riverine, Urban/Local	San Jacinto County	San Jacinto
061000309	Walker Flood Mapping Updates	120401010104, 120401010101, 120401010102, 120401010103, 120401010201, 120401010202, 120401010203, 120401010204, 120401030101, 120401030106, 120401030303, 120401030305, 120401030301, 120401030302	06000004, 06000001, 06000002, 06000003, 06000005, 06000006, 06000007, 06000008, 06000046, 06000051, 06000063, 06000065, 06000061, 06000062	Watershed Planning	797.84	Riverine, Urban/Local	Walker County	Huntsville, New Waverly, Walker
061000310	Waller Flood Mapping Updates	120401020102, 120401020103, 120401020204, 120401020101, 120401020201, 120401020202, 120401020203, 120401020205, 120401020207, 120401020206, 120401040102, 120401040103, 120401040101, 120401040203	06000027,06000028,06000036,06000026,06000033,06000034,06000035,06000037,06000039,06000038,06000072,06000073,06000071,06000077	Watershed Planning	515.95	Riverine, Urban/Local	Waller County	Prairie View, Houston, Waller, Katy
061000311	37th Street, Galveston, Drainage Project	120402040200	06000107	Project Planning	253.17	Coastal, Urban/Local	City of Galveston	Galveston, Galveston
061000312	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek	120401040102, 120401040202, 120401040104, 120401040203, 120401040303	06000072,06000076,06000074,06000077,06000080	Project Planning	15.50	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000307	Montgomery Flood Mapping Updates	Yes	$ 4,700,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000308	San Jacinto Flood Mapping Updates	Yes	$ 1,419,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000309	Walker Flood Mapping Updates	Yes	$ 1,747,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000310	Waller Flood Mapping Updates	Yes	$ 2,300,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000311	37th Street, Galveston, Drainage Project	No	$ 30,000.00	No	FME has been elevated to an FMP.
061000312	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek	No	$ 30,000.00	No	Duplicate FME.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000313	Addicks Reservoir - Design and Construction of Dinner Creek Stormwater Detention Basin	Develop BCA to become a FMP. Project would provide additional stormwater detention in support of flood damage reduction and could reduce the risk of flooding for approximately 30 multi-family structures in Addicks Reservoir Watershed.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	Study to develop a BCA needed for this project to become a FMP. This project is part of the South Mayde Creek Plan to reduce flood risk 70+ homes & reduce the rainfall event by 340+ acres in pre-Atlas 1% rainfall event.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000317	Arcadian Gardens Subdivision Drainage Improvements	Study to develop a Cost Benefit Analysis and elevate the project to a FMP. To achieve this goal, the key features of improvments are to rehabilitate roadside swales, build new storm sewers and improve the outfall drainage conditions.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000318	Fort Bend County Willow Fork Channel Improvements	Further study and BCA development. Combo of 11 different channel improvements were identified along Willow Fork and its tributaries as part of the Fort Bend County Master Drainage Plan that, when combined, will provide a 100-year level of service.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris, Waller	12040104
061000319	Armand Bayou - Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Design and Construction of this stormwater detention basin could reduce the risk of flooding for over 400 structures in an Atlas 14 1% rainfall event.	06000001, 06000011, 06000012, 06000015	Harris	12040204
061000320	Warren Lake and Dam Retrofit	Further study of Retrofit dam to improve detention of flood & storm water runoff, new 137.3 ac wetlands complex added of storage capacity & conversion of fields to tallgrass prairies to add approximately 856 ac-ft of total storage during rainfall events.	06000001, 06000011, 06000012, 06000015	Harris	12040102
061000321	Armand Bayou Watershed- Basin Expansion and Extension and H&H Study (Phases 1 + 2)	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Channel modifications along B115-00-00 requires expansion of B500-04-00 and new detention property.	06000001, 06000011, 06000012, 06000015	Harris	12040204
061000322	Jackson Bayou Watershed Planning Project- Immediate: First Street Crossing Mitigation	Develop BCA to become a FMP. Priority ranking #1, 0.5 mile upstream along Jackson Bayou identified to fulfill mitigation efforts. Culvert upsizing recommended at First Street. Improvements produced need or 32.4 acre-feet of detention.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000323	B106-WP01 & WP02 for Armand Bayou Watershed	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Conveyance improvements for B106-00-00 channel, including detention/mitigation storage.	06000001, 06000011, 06000012, 06000015	Harris	12040204, 12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000313	Addicks Reservoir - Design and Construction of Dinner Creek Stormwater Detention Basin	120401040201, 120401040202	06000075,06000076	Project Planning	13.04	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	120401040202, 120401040104, 120401040203, 120401040303	06000076,06000074,06000077,06000080	Project Planning	13.20	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000317	Arcadian Gardens Subdivision Drainage Improvements	120401040704	06000096	Project Planning	0.32	Urban/Local	Harris County	Harris County Flood Control District, Harris
061000318	Fort Bend County Willow Fork Channel Improvements	120401040102, 120401040103, 120401040104, 120401040101, 120401040401	06000072,06000073,06000074,06000071,06000083	Project Planning	46.10	Riverine	Fort Bend County Drainage District	Waller, Fort Bend, Harris County Flood Control District, Harris
061000319	Armand Bayou - Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins	120402040100	06000106	Project Planning	4.79	Urban/Local	Harris County Flood Control District (HCFCD)	La Porte, Pasadena, Harris County Flood Control District, Harris
061000320	Warren Lake and Dam Retrofit	120401020103	06000028	Project Planning	2.11	Riverine, Urban/Local	Coastal Prairie Conservancy	Harris County Flood Control District, Harris
061000321	Armand Bayou Watershed- Basin Expansion and Extension and H&H Study (Phases 1 + 2)	120402040100	06000106	Project Planning	1.09	Riverine	Harris County Flood Control District (HCFCD)	Pasadena, Harris County Flood Control District, Harris
061000322	Jackson Bayou Watershed Planning Project- Immediate: First Street Crossing Mitigation	120401040704	06000096	Project Planning	0.51	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County Flood Control District, Harris
061000323	B106-WP01 & WP02 for Armand Bayou Watershed	120401040706, 120402040100	06000098,06000106	Project Planning	9.77	Riverine, Urban/Local	Harris County	La Porte, Pasadena, Harris County Flood Control District, Harris

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000313	Addicks Reservoir - Design and Construction of Dinner Creek Stormwater Detention Basin	No	$ 30,000.00	No	RFPG elevated FME to FMP under Task 12
061000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	No	$ 30,000.00	No	RFPG elevated FME to FMP under Task 12.
061000317	Arcadian Gardens Subdivision Drainage Improvements	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000318	Fort Bend County Willow Fork Channel Improvements	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000319	Armand Bayou - Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins	No	$ 30,000.00	No	Elevated to FMP apart of Task 13.
061000320	Warren Lake and Dam Retrofit	No	$ 30,000.00	No	Elevated from an FME to an FMP by the sponsor
061000321	Armand Bayou Watershed- Basin Expansion and Extension and H&H Study (Phases 1 + 2)	No	$ 30,000.00	No	Elevated to FMP apart of Task 13.
061000322	Jackson Bayou Watershed Planning Project- Immediate: First Street Crossing Mitigation	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000323	B106-WP01 & WP02 for Armand Bayou Watershed	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000324	Barker Reservoir Flood Risk Reduction and Park Project	Study to further the proposed project. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris, Waller	12040104
061000325	Beaumont Place Subdivision Drainage Improvement Phase 2	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000326	I100-WP01 Vince Bayou Watershed Planning Project Recommendation	Study to develop a BCR required for this project to become a FMP. Alt-6 Detention basin and channel widening near Strawberry Road on left bank of Vince Bayou.	06000001, 06000011, 06000012, 06000015	Harris	12040104, 12040204
061000327	Blalock Road Drainage Improvement Project	Study to further the proposed project that includes increasing the capacity of the drainage system with a 9'x9' RCB to replace dual 36-inch RCP along the east side of the road and an open ditch with driveway culverts on the west side of the road.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000328	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	Study to develop a BCR required for this project to become a FMP. A project could reduce the risk flooding for over 2,500 structures and could reduce the frequency and duration of flooding along about 100 miles of roadway.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris	12040104
061000329	I100-WP06 for Vince Bayou Watershed Planning Project	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Right-of-way acquisition, design, and construction of a stormwater detention basin and channel widening near Strawberry Road and Young Street.	06000001, 06000011, 06000012, 06000015	Harris	12040204, 12040104
061000330	I100-WP10 for Vince Bayou Watershed Planning Project	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Right-of-way acquisition, Design, and Construction of Two Stormwater Detention Basins near Westside Dr. and Westside. Ct.	06000001, 06000011, 06000012, 06000015	Harris	12040204, 12040104
061000331	I100-WP07 for Vince Bayou Watershed Planning Project	Study to develop a BCR needed for this project to become a FMP. Pasadena (CIP) Street Lowering (Various). Right-of-way acquisition, Design, and Construction of Stormwaters Detention Basin and construction of Culverts near Pasadena Blvd..	06000001, 06000011, 06000012, 06000015	Harris	12040204, 12040104
061000332	I100-WP11 for Vince Bayou Watershed Planning Project	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Right-of-way acquisition, Design, and Construction of Stormwater Detention Basins near Spencer Hwy. and Tulip Street.	06000001, 06000011, 06000012, 06000015	Harris	12040204, 12040104
061000333	Carpenters Planing Study Cloverleaf Community Flood Risk Reduction Project (Phase 1 and 2)	Study to develop a BCR required for this project to become a FMP. Drainage system upgrade using combination of 9'x7' RCB spanning 3,000' and a 109 acre-feet detention facility providing drainage relief for this portion of the Cloverleaf Community.	06000001, 06000011, 06000012, 06000015	Harris	12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000324	Barker Reservoir Flood Risk Reduction and Park Project	120401040103	06000073	Project Planning	27.08	Riverine, Urban/Local	Willow Fork Drainage District	Houston, Harris County Flood Control District, Harris
061000325	Beaumont Place Subdivision Drainage Improvement Phase 2	120401040606	06000092	Project Planning	1.41	Urban/Local	Harris County	Houston, Harris County Flood Control District, Harris
061000326	I100-WP01 Vince Bayou Watershed Planning Project Recommendation	120401040703, 120402040100, 120401040502	06000086,06000095,06000106	Project Planning	15.23	Riverine	Harris County Flood Control District (HCFCD)	Pasadena, Harris County Flood Control District, Harris
061000327	Blalock Road Drainage Improvement Project	120401040302, 120401040303	06000079,06000080	Project Planning	6.70	Urban/Local	City of Piney Point Village	Houston, Harris County Flood Control District, Harris
061000328	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	120401040401	06000083	Project Planning	22.88	Urban/Local	Harris County Flood Control District (HCFCD)	Fort Bend, Harris County Flood Control District, Harris
061000329	I100-WP06 for Vince Bayou Watershed Planning Project	120401040703, 120402040100, 120401040502	06000086,06000095,06000106	Project Planning	15.23	Riverine, Coastal	Harris County	Pasadena, Harris County Flood Control District, Harris
061000330	I100-WP10 for Vince Bayou Watershed Planning Project	120401040703, 120402040100, 120401040502	06000086,06000095,06000106	Project Planning	15.23	Riverine, Coastal	Harris County	Pasadena, Harris County Flood Control District, Harris
061000331	I100-WP07 for Vince Bayou Watershed Planning Project	120401040703, 120402040100, 120401040502	06000086,06000095,06000106	Project Planning	15.23	Riverine, Coastal	Harris County	Pasadena, Harris County Flood Control District, Harris
061000332	I100-WP11 for Vince Bayou Watershed Planning Project	120401040703, 120402040100, 120401040502	06000086,06000095,06000106	Project Planning	15.23	Riverine, Coastal	Harris County	Pasadena, Harris County Flood Control District, Harris
061000333	Carpenters Planing Study Cloverleaf Community Flood Risk Reduction Project (Phase 1 and 2)	120401040702, 120401040606	06000094,06000092	Project Planning	0.74	Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000324	Barker Reservoir Flood Risk Reduction and Park Project	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000325	Beaumont Place Subdivision Drainage Improvement Phase 2	No	$ 30,000.00	No	Current RRD project. No additional funding is needed.
061000326	I100-WP01 Vince Bayou Watershed Planning Project Recommendation	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000327	Blalock Road Drainage Improvement Project	No	$ 30,000.00	No	RFPG elevated FME to FMP under Task 12.
061000328	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	No	$ 30,000.00	No	RFPG elevated FME to FMP under Task 12.
061000329	I100-WP06 for Vince Bayou Watershed Planning Project	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000330	I100-WP10 for Vince Bayou Watershed Planning Project	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000331	I100-WP07 for Vince Bayou Watershed Planning Project	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000332	I100-WP11 for Vince Bayou Watershed Planning Project	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000333	Carpenters Planing Study Cloverleaf Community Flood Risk Reduction Project (Phase 1 and 2)	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000334	Goose Creek Flood Risk Reduction Phase 1	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. 1.65 Miles of Goose Creek channel modifications (Downstream of IH 10) with proposed detention basin "J".	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000335	Goose Creek Flood Risk Reduction Phase 2	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. 1.00 Mile of Goose Creek channel modifications (Upstream of IH 10) with proposed detention basin "I".	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000336	Goose Creek Flood Risk Reduction Phase 3	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Local channel modifications and crossing structure improvements along O117 and O126.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000337	Spring Creek Watershed Plan-Recommended Alternative for PA-02: J131-01-00 Storm Sewer improvements & channel modification	Study to develop a BCR required for this project to become a FMP. Channel modifications along J131-01 & storm sewer improvements under Zion Road, reduces sheetflow by providing positive drainage outfall for ~200 ac of land.	06000001, 06000011, 06000012, 06000015	Harris	12040102
061000338	Willow Creek Watershed Plan - Immediate: Selective Clearing BNRR to Mouth	Study to develop a BCR required for this project to become a FMP. Selective clearing from BNRR to mouth to increase riverine storm water conveyance, maintain tree canopy & veg. diversity, minimize impact on riparian & uplands habitats.	06000001, 06000011, 06000012, 06000015	Harris	12040102
061000339	Willow Creek Watershed Plan - M120 Detention/Preservation Site	Study to develop BCA to become a FMP. Pursue purchase of property for regional detention, floodplain preservation, & habitat preservation.	06000001, 06000011, 06000012, 06000015	Harris	12040102
061000340	Willow Creek Watershed Plan - FM2920 Stormwater Detention Basin	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Proposed 826 acre-feet detention basin located near FM 2920 crossing of Willow Creek.	06000001, 06000011, 06000012, 06000015	Harris	12040102
061000341	Willow Creek Watershed Plan - Kuykendahl Basin	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Proposed 727 acre-feet detention basin located near Kuykendahl Road crossing of Willow Creek.	06000001, 06000011, 06000012, 06000015	Harris	12040102
061000342	Willow Creek Watershed Plan - M121 Basin Stormwater Detention Basin	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Proposed 1010 acre-feet detention basin located near M121 tributary.	06000001, 06000011, 06000012, 06000015	Harris	12040102
061000343	Galveston Bay Watershed Plan- PA01 (N+6) Channel & Crossing Improvements	Develop BCA to become FMP. Channel deepening from N Broadway St to N Utah St, convert open channel segment to closed conduit w/ 8'x5' concrete boxes b/w N Utah St & Main St, replace concrete pipe w/ dual 8'x5' concrete box culvert outfall to F212.	06000001, 06000011, 06000012, 06000015	Harris	12040204

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FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000334	Goose Creek Flood Risk Reduction Phase 1	120401040705, 120401040706	06000097,06000098	Project Planning	34.83	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Baytown, Harris County Flood Control District, Harris
061000335	Goose Creek Flood Risk Reduction Phase 2	120401040705, 120401040706	06000097,06000098	Project Planning	34.83	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Baytown, Harris County Flood Control District, Harris
061000336	Goose Creek Flood Risk Reduction Phase 3	120401040705	06000097	Project Planning	34.83	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Baytown, Harris County Flood Control District, Harris
061000337	Spring Creek Watershed Plan- Recommended Alternative for PA-02: J131-01-00 Storm Sewer improvements & channel modification	120401020209, 120401020210, 120401020205	06000037,06000041,06000042	Project Planning	4.70	Riverine	Harris County Flood Control District (HCFCD)	Tomball, Harris County Flood Control District, Harris
061000338	Willow Creek Watershed Plan - Immediate: Selective Clearing BNRR to Mouth	120401020106, 120401020209, 120401020210, 120401020212	06000031,06000041,06000042,06000044	Project Planning	27.82	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000339	Willow Creek Watershed Plan - M120 Detention/Preservation Site	120401020212, 120401020106, 120401020210, 120401020209, 120401020205, 120401020105	06000030,06000031,06000037,06000041,06000042,06000044	Project Planning	55.37	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000340	Willow Creek Watershed Plan - FM2920 Stormwater Detention Basin	120401020212, 120401020106, 120401020210, 120401020209, 120401020205, 120401020105	06000030,06000031,06000037,06000041,06000042,06000044	Project Planning	55.37	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000341	Willow Creek Watershed Plan - Kuykendahl Basin	120401020212, 120401020106, 120401020210, 120401020209, 120401020205, 120401020105	06000030,06000031,06000037,06000041,06000042,06000044	Project Planning	55.37	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000342	Willow Creek Watershed Plan - M121 Basin Stormwater Detention Basin	120401020212, 120401020106, 120401020210, 120401020209, 120401020205, 120401020105	06000030,06000031,06000037,06000041,06000042,06000044	Project Planning	55.37	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000343	Galveston Bay Watershed Plan- PA01 (N+6) Channel & Crossing Improvements	120402040100	06000106	Project Planning	1.13	Riverine	Harris County Flood Control District (HCFCD)	La Porte, Morgan's Point, Harris County Flood Control District, Harris

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000334	Goose Creek Flood Risk Reduction Phase 1	No	$ 30,000.00	No	This FME has been elevated to an FMP as part of the Task 12 Effort.
061000335	Goose Creek Flood Risk Reduction Phase 2	No	$ 30,000.00	No	This FME has been elevated to an FMP as part of the Task 12 Effort.
061000336	Goose Creek Flood Risk Reduction Phase 3	No	$ 30,000.00	No	This FME has been elevated to an FMP as part of the Task 12 Effort.
061000337	Spring Creek Watershed Plan- Recommended Alternative for PA-02: J131-01-00 Storm Sewer improvements & channel modification	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000338	Willow Creek Watershed Plan - Immediate: Selective Clearing BNRR to Mouth	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000339	Willow Creek Watershed Plan - M120 Detention/Preservation Site	No	$ 30,000.00	No	RFPG elevated FME to FMP under Task 12
061000340	Willow Creek Watershed Plan - FM2920 Stormwater Detention Basin	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000341	Willow Creek Watershed Plan - Kuykendahl Basin	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000342	Willow Creek Watershed Plan - M121 Basin Stormwater Detention Basin	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000343	Galveston Bay Watershed Plan- PA01 (N+6) Channel & Crossing Improvements	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000344	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	Study to develop a BCA to become FMP. This stormwater detention basin compliments the federal project on White Oak Bayou which will reduce the risk of flooding for 1,800 structures in an Atlas 14 1% rainfall event.	06000001, 06000011, 06000012, 06000015	Harris	12040102, 12040104
061000345	Spring Gully Watershed Planning Project-Project Phase I	Develop BCA to become FMP. 108 ac-ft of detention storage. Basin A w/ 95 ac-ft of storage, 10 ft depth, inlet & outlet structures consist of 2 culverts & weir. Basin B w/ 13 ac-ft of storage, 10.5 ft depth, inlet & outlet structures of culvert & weir.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000346	Spring Gully Watershed Planning Project-Project Phase II	Develop BCA to become a FMP. Independent of Phase I. Phase II includes addition of Stormwater Detention Basin C, with 80 acre-feet of detention storage w/ 9.5 ft depth & an inlet and outlet structure consisting of a culvert & a weir.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000347	Spring Gully Watershed Planning Project-Project Phase III	Complete after phase 2. Relief channel intended to outfall into Stormwater Detention Basin C from Phase 2. Consists of trapezoidal 850-foot channel with cross culvert sized at Prairie Street. Upstream of the culvert crossing, the bottom width is 8 ft.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000348	Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F216-00-00	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. The project could reduce the risk of flooding for more than 450 structures in an Atlas 14 1% rainfall event.	06000001, 06000011, 06000012, 06000015	Harris	12040204, 12040104
061000349	Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F101-06-00	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. The project could reduce the risk of flooding for over 40 structures in an Atlas 14 1% rainfall event.	06000001, 06000011, 06000012, 06000015	Harris	12040204, 12040104
061000350	Galveston Bay Watershed Plan- PA04 (S+4) Crossing Improvements	Recommended alternative directly addresses need for improved channel conveyance by increasing the size of the crossings at El Jardin Dr and Youpon Dr. to 8'x5' box culverts.	06000001, 06000011, 06000012, 06000015	Chambers, Harris	12040204
061000353	TC Jester Detention Basin	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of a 25 acre stormwater detention basin. Estimated construction cost is $10,047,910. This application is requesting $10,000,000.00 of these funds.	06000001, 06000011, 06000012, 06000015	Harris	12040102, 12040104
061000354	Halls Bayou Drainage Project Bond C-26 & C-27	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris	12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000344	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	120401020104, 120401020106, 120401040601, 120401040302, 120401040604, 120401040303, 120401040304, 120401040301	06000029,06000031,06000087,06000079,06000090,06000080,06000081,06000078	Project Planning	79.45	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000345	Spring Gully Watershed Planning Project-Project Phase I	120401040705	06000097	Project Planning	3.31	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County Flood Control District, Harris
061000346	Spring Gully Watershed Planning Project-Project Phase II	120401040705	06000097	Project Planning	3.31	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County Flood Control District, Harris
061000347	Spring Gully Watershed Planning Project-Project Phase III	120401040705	06000097	Project Planning	3.31	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County Flood Control District, Harris
061000348	Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F216-00-00	120401040706, 120402040100	06000098,06000106	Project Planning	2.91	Riverine, Coastal	Harris County Flood Control District (HCFCD)	La Porte, Harris County Flood Control District, Harris
061000349	Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F101-06-00	120401040706, 120402040100	06000098,06000106	Project Planning	2.01	Urban/Local	Harris County Flood Control District (HCFCD)	La Porte, Harris County Flood Control District, Harris
061000350	Galveston Bay Watershed Plan- PA04 (S+4) Crossing Improvements	120402040100	06000106	Project Planning	0.50	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Seabrook, Pasadena, Harris County Flood Control District, Harris
061000353	TC Jester Detention Basin	120401020106, 120401020107, 120401020210, 120401020212, 120401020213, 120401040601, 120401040602, 120401040603	06000031,06000032,06000042,06000044,06000045,06000087,06000088,06000089	Project Planning	92.81	Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000354	Halls Bayou Drainage Project Bond C-26 & C-27	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091,06000087,06000079,06000090,06000092,06000081,06000089,06000093	Project Planning	1.57	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000344	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	No	$ 30,000.00	No	This FME has been elevated to an FMP as part of the Task 12 Effort.
061000345	Spring Gully Watershed Planning Project-Project Phase I	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000346	Spring Gully Watershed Planning Project-Project Phase II	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000347	Spring Gully Watershed Planning Project-Project Phase III	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000348	Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F216-00-00	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000349	Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F101-06-00	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000350	Galveston Bay Watershed Plan- PA04 (S+4) Crossing Improvements	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000353	TC Jester Detention Basin	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000354	Halls Bayou Drainage Project Bond C-26 & C-27	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000355	Halls Bayou Drainage Project Bond C-01	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000356	Westador Stormwater Detention Basin	Study to develop a BCR required for this project to become a FMP. The Westador Detention Basin is a proposed detention mitigation project within the Cypress Creek Watershed and located south of Cypress Creek and east and west of K141-00-00.	06000001, 06000011, 06000012, 06000015	Harris	12040102, 12040104
061000357	Cypress Creek Implementation Plan - Various Detention Sites	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. The Implementation Plan identifies that approximately 14,000 acre-feet of stormwater detention volume across 23 different sites reducing flooding risk.	06000001, 06000011, 06000012, 06000015	Harris	12040102, 12040104
061000358	Little Cypress Creek - Management, Right-of-Way Acquisition, Design and Construction of the Little Cypress Creek Frontier Program	Study to develop a BCR required for this to become a FMP. The Little Cypress Creek Frontier program will reduce the risk of flooding and include detention, sediment control, vegetation management and other flood risk management projects.	06000001, 06000011, 06000012, 06000015	Harris	12040102
061000360	G103-38-00 (Kingwood Diversion Ditch)	Study to develop a BCR required for this to become a FMP. Improvements to the Kingwood Diversion Ditch include channel modifications, flow diversion from Bens Branch, bridge replacements, as well as a new outfall to the West Fork San Jacinto River.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery	12040101, 12040103
061000361	G103-80-03.1B (Taylor Gully)	Study to develop a BCR required for this project to become a FMP. Improvements to Taylor Gully include two miles of channel conveyance improvements to the upper limits of Taylor Gully and a concrete low flow structure.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery	12040101, 12040103
061000362	Goose Creek O119-00-00-P001 (Alt 2A1)	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of channel modifications and in-line stormwater detention along O119 to facilitate Harris County drainage improvements in Highland Mobile Estates.	06000001, 06000011, 06000012, 06000015	Harris	12040203, 12040104
061000363	Goose Creek O119-00-00-P001 (Alt 2A3)	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Secondary option for the recommended alternative with less benefits and project cost.	06000001, 06000011, 06000012, 06000015	Harris	12040203, 12040104
061000364	Sims Bayou C116 Storm Sewer Improvement (C116-00-00-P001) From Mykawa Road to Telephone Road	Study to develop a BCR required for this project to become a FMP. To increase the system C116 capacity, Alternative 1 adds capacity to the C116 system trunkline through an additional parallel trunkline, from Dixie Drive to Sims Bayou.	06000001, 06000011, 06000012, 06000015	Harris	12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000355	Halls Bayou Drainage Project Bond C-01	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091,06000087,06000079,06000090,06000092,06000081,06000089,06000093	Project Planning	6.01	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000356	Westador Stormwater Detention Basin	120401020106, 120401020107, 120401020210, 120401020212, 120401020213, 120401040601, 120401040602, 120401040603	06000031,06000032,06000042,06000044,06000045,06000087,06000088,06000089	Project Planning	92.81	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000357	Cypress Creek Implementation Plan - Various Detention Sites	120401020104, 120401020106, 120401020105, 120401020107, 120401020210, 120401020213, 120401040601, 120401040201, 120401040301, 120401040602	06000029,06000031,06000030,06000032,06000042,06000045,06000087,06000075,06000078,06000088	Project Planning	118.36	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000358	Little Cypress Creek - Management, Right-of-Way Acquisition, Design and Construction of the Little Cypress Creek Frontier Program	120401020103, 120401020104, 120401020106, 120401020101, 120401020105, 120401020205, 120401020210	06000028,06000029,06000031,06000026,06000030,06000037,06000042	Project Planning	52.10	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000360	G103-38-00 (Kingwood Diversion Ditch)	120401030110, 120401010501	06000024,06000055	Project Planning	7.98	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000361	G103-80-03.1B (Taylor Gully)	120401010501, 120401030110, 120401030402	06000024,06000055,06000070	Project Planning	2.05	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000362	Goose Creek O119-00-00-P001 (Alt 2A1)	120401040705, 120402030104	06000097,06000102	Project Planning	0.23	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000363	Goose Creek O119-00-00-P001 (Alt 2A3)	120401040705, 120402030104	06000097,06000102	Project Planning	0.23	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000364	Sims Bayou C116 Storm Sewer Improvement (C116-00-00-P001) From Mykawa Road to Telephone Road	120401040502	06000086	Project Planning	1.39	Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000355	Halls Bayou Drainage Project Bond C-01	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000356	Westador Stormwater Detention Basin	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000357	Cypress Creek Implementation Plan - Various Detention Sites	No	$ 30,000.00	No	RFPG elevated FME to FMP under Task 12
061000358	Little Cypress Creek - Management, Right-of-Way Acquisition, Design and Construction of the Little Cypress Creek Frontier Program	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000360	G103-38-00 (Kingwood Diversion Ditch)	No	$ 30,000.00	No	RFPG elevated FME to FMP under Task 12
061000361	G103-80-03.1B (Taylor Gully)	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000362	Goose Creek O119-00-00-P001 (Alt 2A1)	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000363	Goose Creek O119-00-00-P001 (Alt 2A3)	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000364	Sims Bayou C116 Storm Sewer Improvement (C116-00-00-P001) From Mykawa Road to Telephone Road	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000365	Greens Bayou (P100-00-00) Mid-Reach Channel Conveyance Improvements From John F. Kennedy Blvd to Veterans Memorial Drive (Ultimate Project (Alternative 3))	Study to develop a BCR required for this project to become a FMP. 2,000 ac-ft proposed Hardy stormwater detention basin and channel conveyance improvements throughout the Green's Bayou Mid-Reach (From John F. Kennedy Blvd to Veterans Memorial Drive).	06000001, 06000011, 06000012, 06000015	Harris	12040102, 12040101, 12040104
061000366	Greens Bayou - Planning, Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along P138-01-01	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Potential federal funded project, the risk of flooding could be reduced for approximately 100 structures in a pre-Atlas 1% rainfall event.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000367	Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou (Q100-00-00)	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou.	06000001, 06000011, 06000012, 06000015	Chambers, Harris	12040203, 12040104
061000368	Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence.	06000001, 06000011, 06000012, 06000015	Harris, Liberty	12040103, 12040203, 12040104
061000369	Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou (Q100-00-00)	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou.	06000001, 06000011, 06000012, 06000015	Chambers, Harris	12040203, 12040104
061000370	City of Pasadena - Hurricane Harvey Drainage Mitigation Project 1	Further study to develop & elevate project into a FMP. Previously submitted by the Flood Infrastructure Fund (FIF) but was not approved at the time. Projects included in this application will be updated to include BCA and Atlas 14 rainfall consideration.	06000001, 06000011, 06000012, 06000015	Harris	12040204, 12040104
061000371	City of Pasadena - Hurricane Harvey Drainage Mitigation Project 2	Further study to develop & elevate project into a FMP. Previously submitted by the Flood Infrastructure Fund (FIF) but was not approved at the time. Projects included in this application will be updated to include BCA and Atlas 14 rainfall consideration.	06000001, 06000011, 06000012, 06000015	Harris	12040204, 12040104
061000372	City of Pasadena - Hurricane Harvey Drainage Mitigation Project 3	Further study to develop & elevate project into a FMP. Previously submitted by the Flood Infrastructure Fund (FIF) but was not approved at the time. Projects included in this application will be updated to include BCA and Atlas 14 rainfall consideration.	06000001, 06000011, 06000012, 06000015	Harris	12040204, 12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000365	Greens Bayou (P100-00-00) Mid-Reach Channel Conveyance Improvements From John F. Kennedy Blvd to Veterans Memorial Drive (Ultimate Project (Alternative 3))	120401010502, 120401010501, 120401020106, 120401020107, 120401040605, 120401040703, 120401040601, 120401040702, 120401040302, 120401040604, 120401040606, 120401040301, 120401040602, 120401040603, 120401040701	06000025,06000024,06000031,06000032,06000091,06000095,06000087,06000094,06000079,06000090,06000092,06000078,06000088,06000089,06000093	Project Planning	13.72	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County Flood Control District, Harris
061000366	Greens Bayou - Planning, Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along P138-01-01	120401040604, 120401040603	06000090,06000089	Project Planning	1.06	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District, Harris
061000367	Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou (Q100-00-00)	120401040706, 120402030106, 120402030200	06000098,06000104,06000105	Project Planning	28.42	Urban/Local	Harris County Flood Control District (HCFCD)	Harris, Harris County Flood Control District, Chambers
061000368	Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence	120401030205, 120401040705, 120401040706, 120401040704, 120402030105, 120402030104, 120402030103, 120402030106, 120402030102, 120402030200, 120402030101	06000060,06000097,06000098,06000096,06000103,06000102,06000101,06000104,06000100,06000105,06000099	Project Planning	3.52	Riverine	Harris County Flood Control District (HCFCD)	Liberty, Harris, Harris County Flood Control District, Chambers
061000369	Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou (Q100-00-00)	120401040706, 120402030105, 120402030106	06000098,06000103,06000104	Project Planning	18.71	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Chambers, Baytown, Harris, Harris County Flood Control District
061000370	City of Pasadena - Hurricane Harvey Drainage Mitigation Project 1	120402040100, 120401040502, 120401040703	06000086,06000095,06000106	Project Planning	44.58	Riverine, Coastal	City of Pasadena	Pasadena, Harris County Flood Control District, Harris, Liberty County Water Control District 1
061000371	City of Pasadena - Hurricane Harvey Drainage Mitigation Project 2	120402040100, 120401040502, 120401040703	06000086,06000095,06000106	Project Planning	44.58	Riverine, Coastal	City of Pasadena	Pasadena, Harris County Flood Control District, Harris, Liberty County Water Control District 1
061000372	City of Pasadena - Hurricane Harvey Drainage Mitigation Project 3	120402040100, 120401040502, 120401040703	06000086,06000095,06000106	Project Planning	44.58	Riverine, Coastal	City of Pasadena	Pasadena, Harris County Flood Control District, Harris, Liberty County Water Control District 1

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000365	Greens Bayou (P100-00-00) Mid-Reach Channel Conveyance Improvements From John F. Kennedy Blvd to Veterans Memorial Drive (Ultimate Project (Alternative 3))	No	$ 30,000.00	No	Duplicate FME
061000366	Greens Bayou - Planning, Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along P138-01-01	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000367	Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou (Q100-00-00)	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000368	Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000369	Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou (Q100-00-00)	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000370	City of Pasadena - Hurricane Harvey Drainage Mitigation Project 1	No	$ 30,000.00	No	Sponsor no longer pursuing FME
061000371	City of Pasadena - Hurricane Harvey Drainage Mitigation Project 2	No	$ 30,000.00	No	Sponsor no longer pursuing FME
061000372	City of Pasadena - Hurricane Harvey Drainage Mitigation Project 3	No	$ 30,000.00	No	Sponsor no longer pursuing FME

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000373	City of Tomball Drainage Improvements	Study to the the drainage project for the City of Tomball is comprised of building storm sewer systems and channel conveyance to enable flood waters to be removed from portions of the city bounded by Holderrieth Road, SH 249, UPRR, and FM 2920.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery	12040102
061000374	Cedar Bayou Flood Risk Reduction Study - Q128 Channel Improvements from US 90 to Q100 Confluence	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou channel improvements from US 90 to Confluence with Q100.	06000001, 06000011, 06000012, 06000015	Harris	12040103, 12040203, 12040104
061000376	Cedar Bayou Flood Risk Reduction Study - Channel improvements from US 90 to FM 1942	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou channel improvements from US 90 to FM 1942.	06000001, 06000011, 06000012, 06000015	Chambers, Harris, Liberty	12040103, 12040203, 12040104
061000379	Cedar Bayou Flood Risk Reduction Study - Channel improvements upstream of FM 1960	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou channel improvements upstream of FM 1960.	06000001, 06000011, 06000012, 06000015	Harris, Liberty	12040103, 12040203, 12040104
061000384	Houston Braeburn Glen Area Flood Mitigation	Further study of a proposed project that includes upsizing of the existing stormwater system with new pipes, inlets, and manholes. Lateral improvement will be completed on Mahoning Drive and Valley View Lane.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris	12040104
061000388	Roman Forest Boulevard Bridge Elevation Project	Further study of this project involves the study, design, elevation, and replacement of the Roman Forest Boulevard Bridge to mitigate the risks associated with storms and riverine flooding for the approximate 15,000 citizens.	06000001, 06000011, 06000012, 06000015	Montgomery	12040103
061000389	White Oak - SPT and E116 (E116-00-00) Improvements : PA01 thru PA-05	Study to develop a Benefit Cost Analysis needed for these projects to become a FMP. The "E116-00-00 Flood Reduction Feasibilty Study" was completed in March 2022 and provides a decrease riverine and urban flood risk in the area.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000394	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-08-00	Develop BCA to become a FMP. This project could reduce the risk of flooding for over 210 structures and could reduce the 1% rainfall event for over 170 acres as part of the Halls Ahead Bond Implementation Program.	06000001, 06000011, 06000012, 06000015	Harris	12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000373	City of Tomball Drainage Improvements	120401020106, 120401020205, 120401020210, 120401020209	06000031,06000037,06000042,06000041	Project Planning	13.04	Urban/Local	City of Tomball	Tomball, Harris County Flood Control District, Harris
061000374	Cedar Bayou Flood Risk Reduction Study - Q128 Channel Improvements from US 90 to Q100 Confluence	120401030205, 120401040705, 120401040706, 120401040704, 120402030105, 120402030104, 120402030103, 120402030106, 120402030102, 120402030200, 120402030101	06000060,06000097,06000098,06000096,06000103,06000102,06000101,06000104,06000100,06000105,06000099	Project Planning	4.91	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Liberty, Harris County Flood Control District, Harris
061000376	Cedar Bayou Flood Risk Reduction Study - Channel improvements from US 90 to FM 1942	120401030205, 120401040705, 120401040706, 120401040704, 120402030105, 120402030104, 120402030103, 120402030106, 120402030102, 120402030200, 120402030101	06000060,06000097,06000098,06000096,06000103,06000102,06000101,06000104,06000100,06000105,06000099	Project Planning	46.64	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Liberty, Harris County Flood Control District, Harris, Liberty County Water Control District 1
061000379	Cedar Bayou Flood Risk Reduction Study - Channel improvements upstream of FM 1960	120401030205, 120401040705, 120401040706, 120401040704, 120402030105, 120402030104, 120402030103, 120402030106, 120402030102, 120402030200, 120402030101	06000060,06000097,06000098,06000096,06000103,06000102,06000101,06000104,06000100,06000105,06000099	Project Planning	23.01	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Liberty, Harris County Flood Control District, Harris, Liberty County Water Control District 1
061000384	Houston Braeburn Glen Area Flood Mitigation	120401040401	06000083	Project Planning	95.57	Urban/Local	City of Houston	Houston, Harris County Flood Control District, Harris
061000388	Roman Forest Boulevard Bridge Elevation Project	120401030109, 120401030402	06000054,06000070	Project Planning	2.19	Riverine	Montgomery County	Montgomery, Roman Forest
061000389	White Oak - SPT and E116 (E116-00-00) Improvements : PA01 thru PA-05	120401040302, 120401040304	06000079,06000081	Project Planning	6.90	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000394	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-08-00	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091,06000087,06000079,06000090,06000092,06000081,06000089,06000093	Project Planning	7.29	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000373	City of Tomball Drainage Improvements	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000374	Cedar Bayou Flood Risk Reduction Study - Q128 Channel Improvements from US 90 to Q100 Confluence	No	$ 30,000.00	No	Sponsor elevated FME to FMP.
061000376	Cedar Bayou Flood Risk Reduction Study - Channel improvements from US 90 to FM 1942	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000379	Cedar Bayou Flood Risk Reduction Study - Channel improvements upstream of FM 1960	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000384	Houston Braeburn Glen Area Flood Mitigation	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000388	Roman Forest Boulevard Bridge Elevation Project	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000389	White Oak - SPT and E116 (E116-00-00) Improvements : PA01 thru PA-05	No	$ 30,000.00	No	RFPG elevated FME to FMP under Task 12
061000394	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-08-00	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000395	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-09-00	Develop BCA to become a FMP. Part of Halls Ahead Bond Implementation Program, could reduce flood risk for 80+ structures, size of the floodplain by 30+ acres & frequency & duration of flooding of up to half a mile of roadway in an Atlas 14 1% event.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000396	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-21-00	Develop BCA to become a FMP. Part of Halls Ahead Bond Implementation Program, could reduce flood risk for 60+ structures & floodplain by 40+ acres.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	This project provides for the design and construction of flood mitigation improvements including detention basins along P118-23-00 and concrete lining P118-23-02. (2018 Bond Project C-26 & C-27)	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	Study to develop a BCR required for this project to become a FMP. Would reduce flood risk for 600+ structures. Facilitates future drainage projects by more outfall depth.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	Develop BCA to become a FMP. Part of Halls Ahead Bond Implementation Program, could reduce flood risk for 150+ structures, size of the floodplain by 90+ acres, frequency & duration of flooding along 3+ miles of roadway in an Atlas 14 1% event.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000402	Carpenters (N100-00-00) Channel Improvements	Study to develop a Cost Benefit Analysis and elevate the project to a FMP. Carpenters Bayou (N100-00-00) channel conveyance improvements.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000403	Halls Bayou - Design and Construction of a Stormwater Detention Basin in Brock Park	Develop BCA to become a FMP. Provides additional stormwater detention in support of flood damage reduction as part of the Halls Ahead Bond Implementation Program. The project will be a partnership with the City of Houston.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000404	Halls Bayou - Planning, Right-Of-Way, Design and Construction of Halls Bayou Flood Risk Management Project	Develop BCA to become a FMP. Projects as part of the Halls Ahead Bond Implementation Program, could reduce the risk of flooding for more than 700 structures in an Atlas 14 1% rainfall event.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000405	Hunting Bayou Wallisville Outfall (H103-00-00) - Gellhorn Drive	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Diversion channel expansion for Gellhorn Drive flood reductions.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000406	Hunting Bayou Wallisville Outfall (H103-00-00) - Denver Harbor	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Denver Harbor drainage system improvements.	06000001, 06000011, 06000012, 06000015	Harris	12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000395	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-09-00	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091,06000087,06000079,06000090,06000092,06000081,06000089,06000093	Project Planning	5.68	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000396	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-21-00	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091,06000087,06000079,06000090,06000092,06000081,06000089,06000093	Project Planning	6.31	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091,06000087,06000079,06000090,06000092,06000081,06000089,06000093	Project Planning	1.57	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091,06000087,06000079,06000090,06000092,06000081,06000089,06000093	Project Planning	6.01	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091,06000087,06000079,06000090,06000092,06000081,06000089,06000093	Project Planning	6.01	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000402	Carpenters (N100-00-00) Channel Improvements	120401040702	06000094	Project Planning	0.85	Riverine, Urban/Local	Harris County	Houston, Harris County Flood Control District, Harris
061000403	Halls Bayou - Design and Construction of a Stormwater Detention Basin in Brock Park	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091,06000087,06000079,06000090,06000092,06000081,06000089,06000093	Project Planning	44.41	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000404	Halls Bayou - Planning, Right-Of-Way, Design and Construction of Halls Bayou Flood Risk Management Project	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091,06000087,06000079,06000090,06000092,06000081,06000089,06000093	Other	44.41	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000405	Hunting Bayou Wallisville Outfall (H103-00-00) - Gellhorn Drive	120401040606, 120401040701	06000092,06000093	Project Planning	4.93	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000406	Hunting Bayou Wallisville Outfall (H103-00-00) - Denver Harbor	120401040606, 120401040701	06000092,06000093	Project Planning	4.93	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000395	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-09-00	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000396	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-21-00	No	$ 30,000.00	No	RFPG elevated FME to FMP under Task 12
061000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	No	$ 30,000.00	No	RFPG elevated FME to FMP under Task 12
061000402	Carpenters (N100-00-00) Channel Improvements	No	$ 30,000.00	No	RFPG elevated FME to FMP under Task 12
061000403	Halls Bayou - Design and Construction of a Stormwater Detention Basin in Brock Park	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000404	Halls Bayou - Planning, Right-Of-Way, Design and Construction of Halls Bayou Flood Risk Management Project	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000405	Hunting Bayou Wallisville Outfall (H103-00-00) - Gellhorn Drive	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000406	Hunting Bayou Wallisville Outfall (H103-00-00) - Denver Harbor	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000407	Luce Bayou (Z100-00-00-P026) Bypass Channel	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of channel bypass to provide Luce main stem upstream and local overland flooding relief.	06000001, 06000011, 06000012, 06000015	Harris	12040101, 12040103, 12040203, 12040104
061000412	Luce Bayou (Z100-00-00-P026) Channelization	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of channel improvements along Luce main stem.	06000001, 06000011, 06000012, 06000015	Harris	12040101, 12040103, 12040203, 12040104
061000413	Luce Bayou (Z100-00-00-P026) Upstream Detention	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of regional detention upstream of Luce Bayou, including acquiring open land north of Harris County.	06000001, 06000011, 06000012, 06000015	Harris	12040101, 12040103, 12040203, 12040104
061000414	Planning Phase Study Report for Fairgreen & Eastex Freeway Forest Subdivisions Drainage Improvements 2019	Further study of Scenarios A, B and C recommended by the Fairgreen & Eastex Freeway Forest Subdivisions Drainage Report. Will develop Benefit Cost Analysis and other data required for a FMP designation.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000415	City of Manvel Rogers Rd. Drainage Improvements	Further study Alleluia Trail Rogers Rd & All Roads off Rogers drainage improvements, including storm sewer rehabilitation and ditch deepening.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204
061000416	Fallbrook, Ridgepoint and Westpoint Subdivision Drainage Improvements	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000417	Houston Fifth Area Flood Mitigation	This unfunded CDBG-MIT application involves installing various storm sewer infrastructure in the Fifth Ward and Market Square areas within the City of Houston.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000418	Houston Port Area Flood Mitigation	The project includes storm sewer improvements on nearly every street in the Pleasantville neighborhood to improve conveyance capacity and construction of a detention basin.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000419	Houston Huntington Village Area Flood Mitigation	Further study to develop this project into a FMP. The project includes storm sewer improvements in the Huntington Village neighborhood to reduce structural flood loss.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris	12040104
061000420	Clear Creek - Friendswood Detention Basin Near FM 528 in Friendswood	Develop BCA to become a FMP. ROW acquisition, design, and construction of 39 ac stormwater detention basin holding 500 ac-ft near FM 528; Additional solutions include buyouts, improving channel conveyance, and tributary detention.	06000001, 06000011, 06000012, 06000015	Brazoria, Galveston, Harris	12040204

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000407	Luce Bayou (Z100-00-00-P026) Bypass Channel	120401010502, 120401010501, 120401030205, 120401030402, 120401040704, 120402030103, 120402030102	06000025,06000024,06000060,06000070,06000096,06000101,06000100	Project Planning	74.89	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris, Liberty County Water Control District 1
061000412	Luce Bayou (Z100-00-00-P026) Channelization	120401010502, 120401010501, 120401030205, 120401030402, 120401040704, 120402030103, 120402030102	06000025,06000024,06000060,06000070,06000096,06000101,06000100	Project Planning	74.89	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris, Liberty County Water Control District 1
061000413	Luce Bayou (Z100-00-00-P026) Upstream Detention	120401010502, 120401010501, 120401030205, 120401030402, 120401040704, 120402030103, 120402030102	06000025,06000024,06000060,06000070,06000096,06000101,06000100	Project Planning	74.89	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris, Liberty County Water Control District 1
061000414	Planning Phase Study Report for Fairgreen & Eastex Freeway Forest Subdivisions Drainage Improvements 2019	120401040604, 120401040603	06000090,06000089	Project Planning	0.26	Urban/Local	Harris County	Harris County Flood Control District, Harris
061000415	City of Manvel Rogers Rd. Drainage Improvements	120402040100, 120402040400, 120402040200	06000106,06000107,06000109	Project Planning	27.41	Urban/Local	City of Manvel	West Brazoria County Drainage District, Brazoria, Manvel
061000416	Fallbrook, Ridgepoint and Westpoint Subdivision Drainage Improvements	120401040604, 120401040603	06000090,06000089	Project Planning	1.96	Urban/Local	Harris County	Houston, Harris County Flood Control District, Harris
061000417	Houston Fifth Area Flood Mitigation	120401040701	06000093	Project Planning	40.60	Urban/Local	City of Houston	Houston, Harris County Flood Control District, Harris
061000418	Houston Port Area Flood Mitigation	120401040701	06000093	Project Planning	40.60	Urban/Local	City of Houston	Houston, Harris County Flood Control District, Harris
061000419	Houston Huntington Village Area Flood Mitigation	120401040401	06000083	Project Planning	95.57	Urban/Local	City of Houston	Houston, Harris County Flood Control District, Harris
061000420	Clear Creek - Friendswood Detention Basin Near FM 528 in Friendswood	120402040200, 120402040100	06000107,06000106	Project Planning	102.41	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County Flood Control District, Harris

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000407	Luce Bayou (Z100-00-00-P026) Bypass Channel	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000412	Luce Bayou (Z100-00-00-P026) Channelization	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000413	Luce Bayou (Z100-00-00-P026) Upstream Detention	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000414	Planning Phase Study Report for Fairgreen & Eastex Freeway Forest Subdivisions Drainage Improvements 2019	No	$ 30,000.00	No	Sponsor secured funding for FME
061000415	City of Manvel Rogers Rd. Drainage Improvements	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000416	Fallbrook, Ridgepoint and Westpoint Subdivision Drainage Improvements	No	$ 30,000.00	No	Sponsor secured funding for FME
061000417	Houston Fifth Area Flood Mitigation	No	$ 30,000.00	No	RFPG elevated FME to FMP under Task 12
061000418	Houston Port Area Flood Mitigation	No	$ 30,000.00	No	RFPG elevated FME to FMP under Task 12
061000419	Houston Huntington Village Area Flood Mitigation	No	$ 30,000.00	No	Sponsor elevated FME to FMP in 2025
061000420	Clear Creek - Friendswood Detention Basin Near FM 528 in Friendswood	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000421	Clear Creek - Hughes Stormwater Detention (SWD) Basin	Develop BCA to become a FMP. Project identified in Clear Creek Federal Project study for flood management but did not yield high enough cost benefit ratio for Federal funding. Therefore, Harris and Galveston County have decided to fund this effort.	06000001, 06000011, 06000012, 06000015	Brazoria, Galveston, Fort Bend, Harris	12040204, 12040104
061000422	Danubina Drainage Improvements	Study to further this project and develop an FMP. This CDBG-MIT application involves the installation and construction of various storm sewer and detention infrastructure.	06000001, 06000011, 06000012, 06000015	Chambers, Harris	12040203
061000423	North Alexander Drainage Improvements	Further study to develop this project into a FMP. This CDBG-MIT application involves the installation and construction of various storm sewer and detention infrastructure.	06000001, 06000011, 06000012, 06000015	Chambers, Harris	12040203
061000424	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	This project, which includes terraces, detention, and a trail network, will reduce water surface elevations on Clear Creek within the City of Friendswood and will make the Blackhawk Wastewater Treatment Facility more resilient.	06000001, 06000011, 06000012, 06000015	Galveston, Harris	12040204
061000425	Clear Creek - Rehabilitation of the A214-00-00 channel to Restore Channel Conveyance Capacity	Major maintenance to restore channel conveyance capacity.	06000001, 06000011, 06000012, 06000015	Galveston, Harris	12040204, 12040104
061000426	Sawdust Road Bridge Elevation Project	Further study of study, design, elevation, & replacement of the Sawdust Road Bridge to mitigate the risks associated with riverine flooding for the citizens residing in the Grogan's Point and Timberlakes - Timberridge Subdivisions.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery	12040102, 12040101
061000427	Sandpiper Village Subdivision Drainage Improvements	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris	12040102
061000431	Oak Glen Place Subdivision Drainage Improvements	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000432	Northfield Place Subdivision Drainage Improvements	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000433	Spring Shadows South	Study to develop a Benefit Cost Analysis needed to elevate project to a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000434	Houston Kashmere Gardens Area Flood Mitigation	The project includes improvements to storm sewer, roadside ditch systems, culverts, sewer inlets, and the construction of detention basins.	06000001, 06000011, 06000012, 06000015	Harris	12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000421	Clear Creek - Hughes Stormwater Detention (SWD) Basin	120401040502, 120401040501, 120402040200, 120402040400, 120402040100	06000086,06000085,06000107,06000109,06000106	Project Planning	200.27	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County Flood Control District, Harris
061000422	Danubina Drainage Improvements	120402030106	06000104	Project Planning	48.36	Urban/Local	City of Baytown	Baytown, Harris County Flood Control District, Harris
061000423	North Alexander Drainage Improvements	120402030106	06000104	Project Planning	48.36	Urban/Local	City of Baytown	Baytown, Harris County Flood Control District, Harris
061000424	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	120402040200, 120402040100	06000107,06000106	Project Planning	20.83	Urban/Local	City of Friendswood	Friendswood, Harris, Harris County Flood Control District, Galveston
061000425	Clear Creek - Rehabilitation of the A214-00-00 channel to Restore Channel Conveyance Capacity	120401040502, 120401040501, 120402040200, 120402040400, 120402040100	06000086,06000085,06000107,06000109,06000106	Project Planning	4.62	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Friendswood, Harris County Flood Control District, Harris
061000426	Sawdust Road Bridge Elevation Project	120401010402, 120401010404, 120401020107, 120401020210, 120401020209, 120401020211, 120401020212, 120401020213	06000021, 06000023, 06000032, 06000042, 06000041, 06000043, 06000044, 06000045	Project Planning	32.94	Riverine	Montgomery County	Montgomery
061000427	Sandpiper Village Subdivision Drainage Improvements	120401020107	06000032	Project Planning	2.31	Urban/Local	Harris County	Houston, Harris County Flood Control District, Harris
061000431	Oak Glen Place Subdivision Drainage Improvements	120401040604, 120401040304	06000090,06000081	Project Planning	6.01	Urban/Local	Harris County	Houston, Harris County Flood Control District, Harris
061000432	Northfield Place Subdivision Drainage Improvements	120401040604, 120401040304	06000090,06000081	Project Planning	6.01	Urban/Local	Harris County	Houston, Harris County Flood Control District, Harris
061000433	Spring Shadows South	120401040302, 120401040303	06000079,06000080	Project Planning	5.82	Urban/Local	City of Houston	Houston, Harris County Flood Control District, Harris
061000434	Houston Kashmere Gardens Area Flood Mitigation	120401040703, 120401040604, 120401040606, 120401040304, 120401040701	06000095,06000090,06000092,06000081,06000093	Project Planning	30.87	Urban/Local	City of Houston	Houston, Harris County Flood Control District, Harris

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000421	Clear Creek - Hughes Stormwater Detention (SWD) Basin	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000422	Danubina Drainage Improvements	No	$ 30,000.00	No	RFPG elevated FME to FMP under Task 12
061000423	North Alexander Drainage Improvements	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000424	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	No	$ 30,000.00	No	RFPG elevated FME to FMP under Task 12
061000425	Clear Creek - Rehabilitation of the A214-00-00 channel to Restore Channel Conveyance Capacity	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000426	Sawdust Road Bridge Elevation Project	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000427	Sandpiper Village Subdivision Drainage Improvements	No	$ 30,000.00	No	Sponsor secured funding for FME
061000431	Oak Glen Place Subdivision Drainage Improvements	No	$ 30,000.00	No	Sponsor secured funding for FME
061000432	Northfield Place Subdivision Drainage Improvements	No	$ 30,000.00	No	Sponsor secured funding for FME
061000433	Spring Shadows South	No	$ 30,000.00	No	Sponsor elevated FME to FMP in 2025
061000434	Houston Kashmere Gardens Area Flood Mitigation	No	$ 30,000.00	No	RFPG elevated FME to FMP under Task 12

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000435	City of Southside Place - Auden Street Drainage Improvement Project	This project provides for design and construction of a new stormwater conveyance system for the City of Southside Place, that will have the capacity to covey a City standard storm event (2-year storm).	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000436	Unincorporated Areas of Bacliff and San Leon Roadside Ditches & Driveway Culverts Improvements	Further study of this unfunded CDBG-MIT project consists of various areas of roadside ditch and driveway culvert improvements in Bacliff and San Leon.	06000001, 06000011, 06000012, 06000015	Galveston, Chambers	12040204
061000437	Evaluation of Dredging of Channels that Exit Into Lake Houston	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris, Liberty, Montgomery	12040101, 12040103
061000438	Greens Bayou, Jackson Bayou, White Oak Bayou, Cypress Creek and San Jacinto River Areas Subdivision Drainage Mitigation Project	This proposed solution recommends establishing positive drainage and clear flow lines, which are expected to reduce the water surface elevation in the subdivision to mitigate the structural flood risk for all 1,445 beneficiaries.	06000001, 06000011, 06000012, 06000015	Harris, Waller, Liberty, Montgomery	12040203, 12040104, 12040101, 12040103, 12040204, 12040102
061000439	Greens Bayou, White Oak Bayou and Cypress Creek Areas Subdivision Drainage Mitigation Project	The mitigation solution for Cypress Creek Estates is to install storm sewer systems along West Shadow Lake, East Shadow Lake, North Shadow Lake and Winding Lane, to re-grade the roadside ditches, and to remove and replace of all driveways and culverts.	06000001, 06000011, 06000012, 06000015	Harris, Waller	12040102, 12040101, 12040104
061000440	Brazoria County Camp Mohawk County Park Development	Develop Benefit Cost Analysis in support of the purchase of approximately 160 acres of flood prone area adjacent to and surrounding Camp Mohawk County Park to be used as open space.	06000001, 06000011, 06000012, 06000015	Brazoria	12040204
061000441	Addicks Reservoir - Design and Construction of a Bridge Replacement for Greenhouse Road at South Mayde Creek	Develop BCA to become a FMP. This project is part of the South Mayde Creek Plan that could reduce the risk of flooding for more than 70 homes and reduce the rainfall event by more than 340 acres in a pre-Atlas 1% rainfall event.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000442	Forest Estates - Live Oak Creek Watershed Artesian Forest 1 - Artesian Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000435	City of Southside Place - Auden Street Drainage Improvement Project	120401040402	06000084	Project Planning	45.60	Urban/Local	City of Southside Place	Southside Place, Harris County Flood Control District, Harris
061000436	Unincorporated Areas of Bacliff and San Leon Roadside Ditches & Driveway Culverts Improvements	120402040200	06000107	Project Planning	6.95	Urban/Local	Galveston County	Chambers, Galveston
061000437	Evaluation of Dredging of Channels that Exit Into Lake Houston	120401010501, 120401030205, 120401030402	06000024,06000060,06000070	Project Planning	155.78	Urban/Local	Harris County	North Harris County Regional Water Authority, Harris County Flood Control District, San Jacinto River Authority, Liberty County Water Control District 1
061000438	Greens Bayou, Jackson Bayou, White Oak Bayou, Cypress Creek and San Jacinto River Areas Subdivision Drainage Mitigation Project	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Project Planning	1042.20	Urban/Local	Harris County	Harris County Flood Control District, Harris
061000439	Greens Bayou, White Oak Bayou and Cypress Creek Areas Subdivision Drainage Mitigation Project	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Project Planning	542.61	Urban/Local	Harris County	Houston, Waller, Jersey Village, Prairie View, Harris, Tomball, Humble, Harris County Flood Control District
061000440	Brazoria County Camp Mohawk County Park Development	120402040300, 120402040200, 120402040400, 120402040100	06000108,06000107,06000109,06000106	Project Planning	1481.87	Urban/Local	Brazoria County	Hillcrest Village, Pearland, Alvin, Manvel, Brazoria, West Brazoria County Drainage District, Liverpool, Hitchcock, Iowa Colony, Brookside Village
061000441	Addicks Reservoir - Design and Construction of a Bridge Replacement for Greenhouse Road at South Mayde Creek	120401040102, 120401040202, 120401040104, 120401040203, 120401040303	06000072,06000076,06000074,06000077,06000080	Project Planning	15.50	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District, Harris
061000442	Forest Estates - Live Oak Creek Watershed Artesian Forest 1 - Artesian Creek Watershed	120401010207, 120401010401	06000011, 06000020	Project Planning	2.48	Urban/Local	City of Conroe	Montgomery, Conroe

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000435	City of Southside Place - Auden Street Drainage Improvement Project	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000436	Unincorporated Areas of Bacliff and San Leon Roadside Ditches & Driveway Culverts Improvements	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000437	Evaluation of Dredging of Channels that Exit Into Lake Houston	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000438	Greens Bayou, Jackson Bayou, White Oak Bayou, Cypress Creek and San Jacinto River Areas Subdivision Drainage Mitigation Project	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000439	Greens Bayou, White Oak Bayou and Cypress Creek Areas Subdivision Drainage Mitigation Project	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000440	Brazoria County Camp Mohawk County Park Development	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000441	Addicks Reservoir - Design and Construction of a Bridge Replacement for Greenhouse Road at South Mayde Creek	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000442	Forest Estates - Live Oak Creek Watershed Artesian Forest 1 - Artesian Creek Watershed	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000443	Artesian Forest 1 - Artesian Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000444	Artesian Forest East - Artesian Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000445	Lilly - Alligator Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000446	East Fork North - Alligator Creek Watershed "	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000447	East Fork South - Alligator Creek Watershed "	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000448	West Branch - Alligator Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000449	Oak Hollow - Alligator Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000450	Cable - Alligator Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000451	South Frazier - Grand Lake Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000452	Rivershire East - Grand Lake Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000453	Rivershire West - Grand Lake Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000454	Baretta - Grand Lake Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000455	Valley - Stewarts Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000456	Hunnington - Stewarts Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000457	Avenue M - Stewarts Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000458	South 3rd - Stewarts Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000459	Toby - Little Caney Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000460	Southern Oak - Little Laney Creek	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000443	Artesian Forest 1 - Artesian Creek Watershed	120401010207	06000011	Project Planning	1.40	Riverine	City of Conroe	Montgomery, Conroe
061000444	Artesian Forest East - Artesian Creek Watershed	120401010207	06000011	Project Planning	1.40	Urban/Local	City of Conroe	Montgomery, Conroe
061000445	Lilly - Alligator Creek Watershed	120401010207, 120401010401	06000011, 06000020	Project Planning	6.01	Urban/Local	City of Conroe	Montgomery, Conroe
061000446	East Fork North - Alligator Creek Watershed "	120401010207, 120401010401	06000011, 06000020	Project Planning	6.01	Urban/Local	City of Conroe	Montgomery, Conroe
061000447	East Fork South - Alligator Creek Watershed "	120401010207, 120401010401	06000011, 06000020	Project Planning	6.01	Urban/Local	City of Conroe	Montgomery, Conroe
061000448	West Branch - Alligator Creek Watershed	120401010207, 120401010401	06000011, 06000020	Project Planning	6.01	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe
061000449	Oak Hollow - Alligator Creek Watershed	120401010207, 120401010401	06000011, 06000020	Project Planning	6.01	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe
061000450	Cable - Alligator Creek Watershed	120401010207, 120401010401	06000011, 06000020	Project Planning	6.01	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe
061000451	South Frazier - Grand Lake Creek Watershed	120401010207, 120401010401	06000011, 06000020	Project Planning	3.51	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe
061000452	Rivershire East - Grand Lake Creek Watershed	120401010207, 120401010401	06000011, 06000020	Project Planning	3.51	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe
061000453	Rivershire West - Grand Lake Creek Watershed	120401010207, 120401010401	06000011, 06000020	Project Planning	9.51	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe
061000454	Baretta - Grand Lake Creek Watershed	120401010401	06000020	Project Planning	3.59	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe
061000455	Valley - Stewarts Creek Watershed	120401010207, 120401010403, 120401010401, 120401010402, 120401010205, 120401010206	06000011, 06000022, 06000020, 06000021, 06000009, 06000010	Project Planning	19.66	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe
061000456	Hunnington - Stewarts Creek Watershed	120401010207, 120401010403, 120401010401, 120401010402, 120401010205, 120401010206	06000011, 06000022, 06000020, 06000021, 06000009, 06000010	Project Planning	19.66	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe
061000457	Avenue M - Stewarts Creek Watershed	120401010207, 120401010403, 120401010401, 120401010402, 120401010205, 120401010206	06000011, 06000022, 06000020, 06000021, 06000009, 06000010	Project Planning	19.66	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe
061000458	South 3rd - Stewarts Creek Watershed	120401010207, 120401010403, 120401010401, 120401010402, 120401010205, 120401010206	06000011, 06000022, 06000020, 06000021, 06000009, 06000010	Project Planning	19.66	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe
061000459	Toby - Little Caney Creek Watershed	120401010403, 120401010401, 120401010402	06000022,06000020,06000021	Project Planning	8.61	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe
061000460	Southern Oak - Little Laney Creek	120401010403, 120401010401, 120401010402	06000022,06000020,06000021	Project Planning	8.61	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000443	Artesian Forest 1 - Artesian Creek Watershed	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000444	Artesian Forest East - Artesian Creek Watershed	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000445	Lilly - Alligator Creek Watershed	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000446	East Fork North - Alligator Creek Watershed "	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000447	East Fork South - Alligator Creek Watershed "	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000448	West Branch - Alligator Creek Watershed	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000449	Oak Hollow - Alligator Creek Watershed	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000450	Cable - Alligator Creek Watershed	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000451	South Frazier - Grand Lake Creek Watershed	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000452	Rivershire East - Grand Lake Creek Watershed	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000453	Rivershire West - Grand Lake Creek Watershed	No	$ 30,000.00	No	RFPG elevated FME to FMP under Task 12.
061000454	Baretta - Grand Lake Creek Watershed	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000455	Valley - Stewarts Creek Watershed	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000456	Hunnington - Stewarts Creek Watershed	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000457	Avenue M - Stewarts Creek Watershed	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000458	South 3rd - Stewarts Creek Watershed	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000459	Toby - Little Caney Creek Watershed	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000460	Southern Oak - Little Laney Creek	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

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FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000461	Rush Creek Lake - Lake Conroe Estates Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000462	Longmire and SH-105 - Live Oak Creek Watershed	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000463	Southeast Montgomery County Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	06000001, 06000010, 06000015	Montgomery	12040102, 12040101, 12040103
061000464	Carpenters Bayou (West Acres, Shadowglen & Old River Terrace Neighborhood)	Further study to develop a BCA required to elevate project to FMP. The project is to reduce flooding in the Problem Area #5 identified by the Carpenters Bayou Watershed Planning Project Report, 2021.	06000001, 06000011, 06000012, 06000015	Harris	12040101, 12040104
061000465	Catalina	Study to develop a BCR and other data needed to elevate project to a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris	12040204
061000466	Ralston Acres Subdivision Drainage Improvements	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000467	Middle Armand Bayou Protection Project	Further study to develop this project into a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris	12040204
061000468	Houston Sunnyside Area Flood Mitigation	Includes new storm sewer trunk systems on major thoroughfares & new or improved neighborhood storm sewer systems. Will also require construction of detention basins to mitigate the proposed improvements.	06000001, 06000011, 06000012, 06000015	Harris	12040204, 12040104
061000469	Eastex Freeway Forest Sections 3 & 4 Subdivision Improvements	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000470	Ledge Street Area Drainage and Paving	Project provides for design and construction of storm water drainage and paving improvements, mitigation, and necessary utilities to serve the Ledge and Nathaniel areas east of Clearwood Drive to mitigate structural flooding risk.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000471	Scott Street (OST to Brays Bayou) Area Drainage and Paving Improvements (remove southland from it)	Project for design and construction of storm drainage and paving improvements in the Scott Street Area. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris	12040104

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FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000461	Rush Creek Lake - Lake Conroe Estates Watershed	120401010207, 120401010206	06000011, 06000010	Project Planning	2.38	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe
061000462	Longmire and SH-105 - Live Oak Creek Watershed	120401010207, 120401010401	06000011, 06000020	Project Planning	2.48	Riverine, Urban/Local	City of Conroe	Montgomery, Conroe
061000463	Southeast Montgomery County Master Drainage Plan	120401010403, 120401010401, 120401010402, 120401010501, 120401010404, 120401020212, 120401030110, 120401030102, 120401030108, 120401030104, 120401030103, 120401030105, 120401030106, 120401030107, 120401030109, 120401030402, 120401030401	06000022,06000020,06000021,06000024,06000023,06000044,06000055,06000047,06000053,06000049,06000048,06000050,06000051,06000052,06000054,06000070,06000069	Watershed Planning	312.72	Riverine, Urban/Local	Montgomery County	Montgomery
061000464	Carpenters Bayou (West Acres, Shadowglen & Old River Terrace Neighborhood)	120401010502, 120401040605, 120401040703, 120401040705, 120401040702, 120401040606, 120401040704	06000025,06000091,06000095,06000097,06000094,06000092,06000096	Project Planning	31.03	Riverine, Urban/Local	Harris County	Montgomery, Panorama Village, Conroe, Willis
061000465	Catalina	120402040100	06000106	Project Planning	261.60	Riverine, Urban/Local	City of Houston	Montgomery, Conroe
061000466	Ralston Acres Subdivision Drainage Improvements	120401040605, 120401040604, 120401040606	06000091,06000090,06000092	Project Planning	1.86	Riverine, Urban/Local	Harris County	Montgomery, Conroe
061000467	Middle Armand Bayou Protection Project	120402040100	06000106	Other	261.60	Riverine, Urban/Local	City of Pasadena	Montgomery, Conroe
061000468	Houston Sunnyside Area Flood Mitigation	120401040402, 120401040502, 120401040501, 120402040100	06000084,06000086,06000085,06000106	Project Planning	23.57	Urban/Local	City of Houston	Houston, Harris County Flood Control District, Harris
061000469	Eastex Freeway Forest Sections 3 & 4 Subdivision Improvements	120401040604, 120401040603	06000090,06000089	Project Planning	20.07	Riverine, Urban/Local	Harris County	Houston, Harris County Flood Control District, Harris
061000470	Ledge Street Area Drainage and Paving	120401040502	06000086	Project Planning	0.14		City of Houston	Houston
061000471	Scott Street (OST to Brays Bayou) Area Drainage and Paving Improvements (remove southland from it)	120401040402	06000084	Project Planning	1.09		City of Houston	Houston

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000461	Rush Creek Lake - Lake Conroe Estates Watershed	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000462	Longmire and SH-105 - Live Oak Creek Watershed	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000463	Southeast Montgomery County Master Drainage Plan	No	$ 1,170,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000464	Carpenters Bayou (West Acres, Shadowglen & Old River Terrace Neighborhood)	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000465	Catalina	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000466	Ralston Acres Subdivision Drainage Improvements	No	$ 30,000.00	No	Current RRD project. No additional funding is needed.
061000467	Middle Armand Bayou Protection Project	No	$ 30,000.00	No	The Sponsor is no longer pursuing this project.
061000468	Houston Sunnyside Area Flood Mitigation	No	$ 30,000.00	No	FME has been elevated to FMP and is recommended in Table 16.
061000469	Eastex Freeway Forest Sections 3 & 4 Subdivision Improvements	No	$ 30,000.00	No	Current RRD project. No additional funding is needed.
061000470	Ledge Street Area Drainage and Paving	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000471	Scott Street (OST to Brays Bayou) Area Drainage and Paving Improvements (remove southland from it)	No	$ 30,000.00	No	Sponsor elevated FME to FMP in 2025

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000472	Freeway Manor North Area Drainage and Paving Improvements FMN, FMS, GWT and C106-10	Project for design and construction of storm drainage and paving improvements in the Freeway Manor North Area to mitigate structural flooding risk. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000473	Richmond Plaza (South) Drainage and Paving Improvements (Chimney Rock - Burnett/Bayland Park)	Project for design and construction of storm drainage and paving improvements in the Richmond Plaza Area to reduce risk and structural flooding. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000474	Southland Area Drainage and Paving Improvements	Project for design and construction of storm drainage and paving improvements in the Southland Area. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000475	Westbury Area Drainage and Paving Improvements Subproject 1 (+30%) - include entire Westbury	Project for design and construction of storm drainage and paving improvements including a surface detention basin in the Westbury Area. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000476	Chateau Forest Area Drainage and Paving (30%) Goforth	Project for design and construction of storm drainage and paving improvements in the Chateau Forest Drive and West Little York Road Areas. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000477	Drainage and Paving Improvements for Cottage Grove East - Phase II	Phase 2 of storm drainage and street improvements bounded by IH-10W, White Oak Bayou, TC Jester, and Durham Dr. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000478	TIRZ17 Memorial City Area Detention Basin	Provides for right-of-way aquisition, design and construction of detention basins to mitigate impacts in the Memorial City Area. Cost is to perform the BCA and additional anlaysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000479	P518 Aldine West field	Project for design and construction of detention pond in conjuction with TxDot. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000480	Spring Shadows North	Project for design and construction of storm drainage and paving improvements in the Spring Shadows Areas to mitigate structural flooding risk. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000481	Kirkwood/Nottingham	Project provides for design and construction of storm drainage and paving improvements in the Notthingham and Yorkshire Areas. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris	12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000472	Freeway Manor North Area Drainage and Paving Improvements FMN, FMS, GWT and C106-10	120401040502	06000086	Project Planning	0.12	Riverine, Coastal	City of Houston	Houston
061000473	Richmond Plaza (South) Drainage and Paving Improvements (Chimney Rock - Burnett/Bayland Park)	120401040401	06000083	Project Planning	0.16	Riverine	City of Houston	Houston
061000474	Southland Area Drainage and Paving Improvements	120401040402	06000084	Project Planning	0.03		City of Houston	Houston
061000475	Westbury Area Drainage and Paving Improvements Subproject 1 (+30%) - include entire Westbury	120401040401	06000083	Project Planning	0.16	Riverine	City of Houston	Houston
061000476	Chateau Forest Area Drainage and Paving (30%) Goforth	120401040302	06000079	Project Planning	0.53	Riverine	City of Houston	Houston
061000477	Drainage and Paving Improvements for Cottage Grove East - Phase II	120401040304	06000081	Project Planning	0.18	Riverine	City of Houston	Houston
061000478	TIRZ17 Memorial City Area Detention Basin	120401040303	06000080	Project Planning	0.03		City of Houston	Houston
061000479	P518 Aldine West field	120401040604	06000090	Project Planning	0.02	Riverine	City of Houston	Houston
061000480	Spring Shadows North	120401040302	06000079, 06000080	Project Planning	0.43		City of Houston	Houston
061000481	Kirkwood/Nottingham	120401040303	06000080	Project Planning	0.38		City of Houston	Houston

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000472	Freeway Manor North Area Drainage and Paving Improvements FMN, FMS, GWT and C106-10	No	$ 30,000.00	No	Sponsor elevated FME to FMP in 2025
061000473	Richmond Plaza (South) Drainage and Paving Improvements (Chimney Rock - Burnett/Bayland Park)	No	$ 30,000.00	No	Sponsor elevated FME to FMP in 2025
061000474	Southland Area Drainage and Paving Improvements	No	$ 30,000.00	No	Sponsor elevated FME to FMP in 2025
061000475	Westbury Area Drainage and Paving Improvements Subproject 1 (+30%) - include entire Westbury	No	$ 30,000.00	No	Sponsor elevated FME to FMP in 2025
061000476	Chateau Forest Area Drainage and Paving (30%) Goforth	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000477	Drainage and Paving Improvements for Cottage Grove East - Phase II	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000478	TIRZ17 Memorial City Area Detention Basin	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000479	P518 Aldine West field	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000480	Spring Shadows North	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000481	Kirkwood/Nottingham	No	$ 30,000.00	No	Sponsor elevated FME to FMP in 2025

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000482	Gellhorn	This project provides for paving improvements including storm inlet improvements in the Gelhorn Area. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000483	Turkey Gully	This study will analyze the local drainage systems in the Shady Acres area to divert stormwater flow from Turkey Gully to White Oak Bayou. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000484	D-133 Sharpstown	This project provides for the right-of-way acquisition, design and construction of detention basins in the Sharpstown Area. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris	12040204
061000485	City of Bellaire Newcastle/Kilmarnock Area Drainage Improvements	Perform engineering services to develop and advance a flood risk reduction project in the Newcastle/Kilmarnock area, servicing the eastern part of the City of Bellaire.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000486	City of Bellaire Loop 610 Area Drainage Improvements	Perform engineering services to develop and advance a flood risk reduction project in the Newcastle area, servicing the east-central part of the City of Bellaire.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000487	City of Bellaire South Rice Area Drainage Improvements	Perform engineering services to develop and advance a flood risk reduction project in the South Rice area, servicing the west-central part of the City of Bellaire.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000488	City of Bellaire Chimney Rock Area Drainage Improvements	Perform preliminary engineering services to develop and advance a flood risk reduction project in the Chimney Rock area, servicing the western part of the City of Bellaire.	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000489	City of Huntsville - Elkins Lake Watershed	Analysis of alternatives to determine mitigation of existing flood problems	06000001, 06000011, 06000012, 06000015	Walker	12040101, 12040103
061000490	City of Huntsville - Spring Lake Watershed	Analysis of alternatives to determine mitigation of existing flood problems	06000001, 06000011, 06000012, 06000015	Walker	12040101, 12040103
061000491	Montgomery County MUDs 83,84 - Alternative 4 and 6B PER	Further define Alternative 4 and 6B recommended in the Oakhurst Drainage System & Bentwood Diversion Channel Flood Reduction Study (March 2021) including performing a benefit cost analysis.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000494	Montgomery County MUDs 83,84 - Storm Sewer Improvements	Further define storm sewer improvements recommended in the Oakhurst Drainage System & Bentwood Diversion Channel Flood Reduction Study (March 2021), evaluate and identify potential inlet improvements.	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
061000495	Preliminary Engineering Design of Detention Pond & Conveyance System for Buddy Grass and Railroad Ditches	Study to create detention pond & Ditch system for Buddy Grass and RR Ditches	06000001, 06000011, 06000012, 06000015	Liberty, Harris	12040203

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000482	Gellhorn	120401040701	06000093	Project Planning	0.02	Riverine, Coastal	City of Houston	Houston
061000483	Turkey Gully	120401040304	06000081	Project Planning	0.25	Riverine	City of Houston	Houston
061000484	D-133 Sharpstown	120401040401	06000083	Project Planning	8.54	Riverine	City of Houston	Houston
061000485	City of Bellaire Newcastle/Kilmarnock Area Drainage Improvements	120401040401, 120401040402	06000083, 06000084	Project Planning	3.60	Riverine	City of Bellaire	Bellaire
061000486	City of Bellaire Loop 610 Area Drainage Improvements	120401040401, 120401040402	06000083, 06000084	Project Planning	3.60	Riverine	City of Bellaire	Bellaire
061000487	City of Bellaire South Rice Area Drainage Improvements	120401040401, 120401040402	06000083, 06000084	Project Planning	3.60	Riverine	City of Bellaire	Bellaire
061000488	City of Bellaire Chimney Rock Area Drainage Improvements	120401040401, 120401040402	06000083, 06000084	Project Planning	3.60	Riverine	City of Bellaire	Bellaire
061000489	City of Huntsville - Elkins Lake Watershed	120401010104, 120401010102, 120401010201, 120401010202, 120401030302	06000004, 06000002, 06000005, 06000006, 06000062	Watershed Planning	43.43	Urban/Local	City of Huntsville	Huntsville, Walker
061000490	City of Huntsville - Spring Lake Watershed	120401010104, 120401010102, 120401010201, 120401010202, 120401030302	06000004, 06000002, 06000005, 06000006, 06000062	Watershed Planning	43.43	Urban/Local	City of Huntsville	Huntsville, Walker
061000491	Montgomery County MUDs 83,84 - Alternative 4 and 6B PER	120401010501, 120401010404	06000023, 06000024	Project Planning	1.25	Riverine	Montgomery County MUD 83, Montgomery County MUD 84	Montgomery County MUD 83, Montgomery County MUD 84
061000494	Montgomery County MUDs 83,84 - Storm Sewer Improvements	120401010501, 120401010404	06000023, 06000024	Project Planning	1.25	Riverine	Montgomery County MUD 83, Montgomery County MUD 84	Montgomery County MUD 83
061000495	Preliminary Engineering Design of Detention Pond & Conveyance System for Buddy Grass and Railroad Ditches	120402030102	06000100	Project Planning	0.47	Riverine	Liberty County WCID#1	Liberty County Water Control District 1

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000482	Gellhorn	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000483	Turkey Gully	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000484	D-133 Sharpstown	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000485	City of Bellaire Newcastle/Kilmarnock Area Drainage Improvements	No	$ 1,000,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000486	City of Bellaire Loop 610 Area Drainage Improvements	No	$ 1,000,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000487	City of Bellaire South Rice Area Drainage Improvements	No	$ 1,000,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000488	City of Bellaire Chimney Rock Area Drainage Improvements	No	$ 1,000,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000489	City of Huntsville - Elkins Lake Watershed	No	$ 300,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000490	City of Huntsville - Spring Lake Watershed	No	$ 300,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000491	Montgomery County MUDs 83,84 - Alternative 4 and 6B PER	No	$ 100,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000494	Montgomery County MUDs 83,84 - Storm Sewer Improvements	No	$ 650,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000495	Preliminary Engineering Design of Detention Pond & Conveyance System for Buddy Grass and Railroad Ditches	No	$ 5,000,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000496	Feasibility Study - Convert Enderli Reservoir into a Detention Pond	Request to study converting Enderli Reservoir into a detention pond	06000001, 06000011, 06000012, 06000015	Liberty, Harris	12040203
061000497	Preliminary Engineering Design of Detention Pond at intersection of HWY90 & Railroad near Cedar Bayou	Study to create detention pond & Ditch system for Buddy Grass and RR Ditches	06000001, 06000011, 06000012, 06000015	Liberty, Harris	12040203
061000498	Preliminary Engineering Design of Detention Pond at Gier Road & Cedar Bayou	Study to create detention pond at Gier Road Ditch & Cedar Bayou Intersection	06000001, 06000011, 06000012, 06000015	Liberty	12040203
061000499	Preliminary Engineering Design of Detention Pond at Hatcherville & Cedar Bayou Farm Ditches	Study to create detention pond for Hatcherville & Cedar Bayou Farms Ditches	06000001, 06000011, 06000012, 06000015	Liberty	12040203
061000500	Green Acres Neighborhood Drainage Improvement Study	Evaluate existing flood risk in the Green Acres Neighborhood and identify solutions to mitigate flooding.	06000001, 06000010	Harris	12040204
061000501	Addicks Reservoir - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Addicks Reservoir watershed.	06000010, 06000015	Harris, Waller	12040102, 12040104
061000502	Armand Bayou - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Armand Bayou watershed.	06000010, 06000015	Harris	12040104, 12040204
061000503	Barker Reservoir - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Barkers Reservoir watershed.	06000010, 06000015	Harris, Waller, Fort Bend	12040102, 12040104
061000504	Brays Bayou - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Brays Bayou watershed.	06000010, 06000015	Harris, Fort Bend	12040104

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FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000496	Feasibility Study - Convert Enderli Reservoir into a Detention Pond	120402030102, 120402030103	06000100, 06000101	Project Planning	1.56	Riverine	Liberty County WCID#1	Liberty County Water Control District 1
061000497	Preliminary Engineering Design of Detention Pond at intersection of HWY90 & Railroad near Cedar Bayou	120402030103	06000101	Project Planning	1.47	Riverine	Liberty County WCID#1	Liberty County Water Control District 1
061000498	Preliminary Engineering Design of Detention Pond at Gier Road & Cedar Bayou	120402030102	06000100	Project Planning	0.11	Riverine	Liberty County WCID#1	Liberty County Water Control District 1
061000499	Preliminary Engineering Design of Detention Pond at Hatcherville & Cedar Bayou Farm Ditches	120402030104	06000102	Project Planning	0.42	Riverine	Liberty County WCID#1	Liberty County Water Control District 1
061000500	Green Acres Neighborhood Drainage Improvement Study	120402040100	06000106	Project Planning	0.37	Urban/Local	City of Webster	Webster
061000501	Addicks Reservoir - Neighborhood Future Floodplain Analysis	120401020103, 120401020104, 120401040101, 120401040102, 120401040104, 120401040201, 120401040202, 120401040203, 120401040301, 120401040302, 120401040303	06000028, 06000029, 06000072, 06000076, 06000074, 06000075, 06000079, 06000071, 06000077, 06000080, 06000078	Watershed Planning	138.47	Riverine, Urban/Local	Harris County	Harris, Waller, Houston, Katy
061000502	Armand Bayou - Neighborhood Future Floodplain Analysis	120401040703, 120401040706, 120402040100	06000095, 06000098, 06000106	Watershed Planning	59.12	Riverine, Urban/Local	Harris County	Harris, Houston, Nassau Bay, La Porte, Deer Park, Webster, Pasadena, Taylor Lake Village
061000503	Barker Reservoir - Neighborhood Future Floodplain Analysis	120401020103, 120401040101, 120401040102, 120401040103, 120401040104, 120401040203, 120401040303, 120401040401	06000028, 06000071, 06000072, 06000073, 06000074, 06000077, 06000080, 06000083	Watershed Planning	129.28	Riverine, Urban/Local	Harris County	Fort Bend, Harris, Waller, Houston, Fulshear, Katy
061000504	Brays Bayou - Neighborhood Future Floodplain Analysis	120401040303, 120401040305, 120401040401, 120401040402, 120401040501, 120401040502, 120401040703	06000080, 06000082, 06000083, 06000084, 06000085, 06000086, 06000095	Watershed Planning	128.68	Riverine, Urban/Local	Harris County	Fort Bend, Harris, Sugar Land, Missouri City, Houston, Stafford, Bellaire, Meadows Place, Southside Place, West University Place

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000496	Feasibility Study - Convert Enderli Reservoir into a Detention Pond	No	$ 4,000,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000497	Preliminary Engineering Design of Detention Pond at intersection of HWY90 & Railroad near Cedar Bayou	No	$ 3,000,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000498	Preliminary Engineering Design of Detention Pond at Gier Road & Cedar Bayou	No	$ 3,500,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000499	Preliminary Engineering Design of Detention Pond at Hatcherville & Cedar Bayou Farm Ditches	No	$ 3,500,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000500	Green Acres Neighborhood Drainage Improvement Study	No	$ 100,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000501	Addicks Reservoir - Neighborhood Future Floodplain Analysis	No	$ 31,022,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000502	Armand Bayou - Neighborhood Future Floodplain Analysis	No	$ 44,078,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000503	Barker Reservoir - Neighborhood Future Floodplain Analysis	No	$ 25,956,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000504	Brays Bayou - Neighborhood Future Floodplain Analysis	No	$ 66,091,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

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FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000505	Buffalo Bayou - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Buffalo Bayou watershed.	06000010, 06000015	Harris, Fort Bend	12040104
061000506	Carpenters Bayou - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Carpenters Bayou watershed.	06000010, 06000015	Harris	12040101, 12040104
061000507	Cedar Bayou - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Cedar Bayou watershed.	06000010, 06000015	Harris, Liberty, Chambers	12040101, 12040103, 12040104, 12040203
061000508	Clear Creek - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Clear Creek watershed.	06000010, 06000015	Harris, Fort Bend, Brazoria, Galveston	12040104, 12040204
061000509	Greens Bayou - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Greens Bayou watershed.	06000010, 06000015	Harris	12040101, 12040102, 12040104
061000510	Little Cypress Creek - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Little Cypress Creek watershed.	06000010, 06000015	Harris	12040102

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000505	Buffalo Bayou - Neighborhood Future Floodplain Analysis	120401040104, 120401040203, 120401040301, 120401040302, 120401040303, 120401040304, 120401040305, 120401040401, 120401040402, 120401040701, 120401040703	06000074, 06000077, 06000078, 06000079, 06000080, 06000081, 06000082, 06000083, 06000084, 06000093, 06000095	Watershed Planning	101.87	Riverine, Urban/Local	Harris County	Fort Bend, Harris, Houston, Hedwig Village, Hilshire Village, Hunters Creek Village, Piney Point Village, Bunker Hill Village, Spring Valley Village
061000506	Carpenters Bayou - Neighborhood Future Floodplain Analysis	120401010502, 120401040605, 120401040606, 120401040702, 120401040703, 120401040704, 120401040705	06000025, 06000091, 06000092, 06000094, 06000095, 06000096, 06000097	Watershed Planning	31.15	Riverine, Urban/Local	Harris County	Harris, Houston
061000507	Cedar Bayou - Neighborhood Future Floodplain Analysis	120401010501, 120401010502, 120401030205, 120401040704, 120401040705, 120401040706, 120402030101, 120402030101, 120402030102, 120402030103, 120402030104, 120402030105, 120102030106, 120402030200	06000024, 06000025, 06000060, 06000096, 06000097, 06000098, 06000099, 06000100, 06000101, 06000102, 06000103, 06000104, 06000105	Watershed Planning	199.18	Riverine, Coastal, Urban/Local	Harris County	Chambers, Harris, Liberty, Dayton, Baytown, Mont Belvieu
061000508	Clear Creek - Neighborhood Future Floodplain Analysis	120401040501, 120401040502, 120401040703, 120402030100, 120402040200, 120402040400	06000085, 06000086, 06000095, 06000106, 06000107, 06000109	Watershed Planning	201.03	Riverine, Coastal, Urban/Local	Harris County	Brazoria, Galveston, Fort Bend, Harris, Missouri City, Houston, Alvin, Nassau Bay, Pearland, Clear Lake Shores, Friendswood, La Porte, El Lago, Manvel, Brookside Village, League City
061000509	Greens Bayou - Neighborhood Future Floodplain Analysis	120401010501, 120401010502, 120401020106, 120401020107, 120401040301, 120401040302, 120401040304, 120401040601, 120401040602, 120401040603, 120401040604, 120401040601, 120401040602, 120401040603, 120401040604, 120401040605, 120401040606, 120401040701	06000024, 06000025, 06000031, 06000032, 06000078, 06000079, 06000081, 06000087, 06000088, 06000089, 06000090, 06000091, 06000092, 06000093, 06000094, 06000095	Watershed Planning	210.92	Riverine, Urban/Local	Harris County	Harris, Houston, Humble
061000510	Little Cypress Creek - Neighborhood Future Floodplain Analysis	120401020101, 120401020103, 120401020104, 120401020105, 120401020106, 120401020201, 120101020205, 120401020210	06000026, 06000028, 06000029, 06000030, 06000031, 06000033, 06000037. 06000042	Watershed Planning	52.31	Riverine, Urban/Local	Harris County	Harris, Houston

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000505	Buffalo Bayou - Neighborhood Future Floodplain Analysis	No	$ 5,644,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000506	Carpenters Bayou - Neighborhood Future Floodplain Analysis	No	$ 32,227,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000507	Cedar Bayou - Neighborhood Future Floodplain Analysis	No	$ 5,340,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000508	Clear Creek - Neighborhood Future Floodplain Analysis	No	$ 75,233,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000509	Greens Bayou - Neighborhood Future Floodplain Analysis	No	$ 92,079,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000510	Little Cypress Creek - Neighborhood Future Floodplain Analysis	No	$ 13,778,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000511	Luce Bayou - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Luce Bayou watershed.	06000010, 06000015	Harris, Montgomery, Liberty	12040101, 12040103, 12040203
061000512	San Jacinto & Galveston Bay - Neighborhood Future Floodplain	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for San Jacinto & Galveston Bay watershed.	06000010, 06000015	Harris	12040104, 12040204
061000513	San Jacinto River - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for San Jacinto River watershed.	06000010, 06000015	Harris, Montgomery	12040101, 12040102, 12040103, 12040104, 12040203, 12040204
061000514	Sims Bayou - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Sims Bayou watershed.	06000010, 06000015	Harris, Fort Bend	12040104, 12040204
061000515	Spring Creek - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Spring Creek watershed.	06000010, 06000015	Harris, Waller, Montgomery, Grimes	12040101, 12040102, 12040104
061000516	Willow Creek - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Willow Creek watershed.	06000010, 06000015	Harris	12040102

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000511	Luce Bayou - Neighborhood Future Floodplain Analysis	120401010501, 120401030203, 120401030204, 120401030205, 120101030402, 120402030101, 120402030102	06000024, 06000058, 06000059, 06000060, 06000070, 06000099, 06000100	Watershed Planning	74.95	Riverine, Urban/Local	Harris County	Harris, Liberty, Dayton, Houston
061000512	San Jacinto & Galveston Bay - Neighborhood Future Floodplain	120401040706, 120402040100	06000098, 06000106	Watershed Planning	19.36	Riverine, Coastal, Urban/Local	Harris County	Chambers, Harris, Morgan's Point, La Porte, Pasadena, Seabrook, Shoreacres
061000513	San Jacinto River - Neighborhood Future Floodplain Analysis	999999	999999	Watershed Planning	473.35	Riverine, Coastal, Urban/Local	Harris County	Chambers, Harris, Liberty, Houston, Baytown, Montgomery, Patton Village, Roman Forest, Shenandoah, Woodbranch Village, Galena Park, Morgan's Point, Oak Ridge North, Plum Grove, La Porte, Deer Park
061000514	Sims Bayou - Neighborhood Future Floodplain Analysis	120401040401, 120401040402, 120401040501, 120401040502, 120401040703, 120402040100, 120402040400	06000083, 06000084, 06000085, 06000086, 06000095, 06000106, 06000109	Watershed Planning	93.54	Riverine, Urban/Local	Harris County	Fort Bend, Harris, Missouri City, Houston, Stafford, South Houston, Pearland, Pasadena
061000515	Spring Creek - Neighborhood Future Floodplain Analysis	999999	06000016, 06000017, 06000018, 06000019, 06000020, 06000021, 06000023, 06000024, 06000026, 06000030, 06000032, 06000033, 06000034, 06000035, 06000036, 06000037, 06000038, 06000039, 06000040, 06000041, 06000042, 06000043, 06000044, 06000045, 06000088	Watershed Planning	385.96	Riverine, Urban/Local	Harris County	Harris, Waller, Grimes, Houston, Montgomery, Shenandoah, Magnolia, Oak Ridge North, Stagecoach, Waller, Plantersville, Conroe, Tomball, Todd Mission, Humble, Spring
061000516	Willow Creek - Neighborhood Future Floodplain Analysis	120401020105, 120401020106, 120401020205, 120401020209, 120401020210, 120401020212	06000030, 06000031, 06000037, 06000041, 06000042, 06000044	Watershed Planning	55.65	Riverine, Urban/Local	Harris County	Harris, Houston, Tomball

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000511	Luce Bayou - Neighborhood Future Floodplain Analysis	No	$ 2,612,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000512	San Jacinto & Galveston Bay - Neighborhood Future Floodplain	No	$ 15,316,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000513	San Jacinto River - Neighborhood Future Floodplain Analysis	No	$ 52,736,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000514	Sims Bayou - Neighborhood Future Floodplain Analysis	No	$ 1,599,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000515	Spring Creek - Neighborhood Future Floodplain Analysis	No	$ 7,219,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000516	Willow Creek - Neighborhood Future Floodplain Analysis	No	$ 17,179,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000517	Greens Bayou Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Greens Bayou watershed.	06000015	Harris	12040101, 12040102, 12040104
061000518	Carpenters Bayou Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Carpenters Bayou watershed.	06000015	Harris	12040101, 12040104
061000519	San Jacinto River Watershed Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in San Jacinto River watershed.	06000015	Harris, Montgomery	12040101, 12040102, 12040103, 12040104, 12040203, 12040204
061000520	Clear Creek Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Clear Creek watershed.	06000015	Harris, Fort Bend, Brazoria, Galveston	12040104, 12040204
061000521	Cypress Creek Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Cypress Creek watershed.	06000015	Harris, Waller	12040102, 12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000517	Greens Bayou Local Drainage Study	120401010501, 120401010502, 120401020106, 120401020107, 120401040301, 120401040302, 120401040304, 120401040601, 120401040602, 120401040603, 120401040604, 120401040605, 120401040606, 120401040701, 120401040702, 120401040703	06000024, 06000025, 06000031, 06000032, 06000078, 06000079, 06000081, 06000087, 06000088, 06000089, 06000090, 06000091, 06000092, 06000093, 06000094, 06000095	Watershed Planning	210.92	Riverine, Urban/Local	Harris County	Harris, Houston, Humble
061000518	Carpenters Bayou Local Drainage Study	120401010502, 120401040605, 120401040606, 120401040702, 120401040703, 120401040704, 120401040705	06000025, 06000091, 06000092, 06000094, 06000095, 06000096, 06000097	Watershed Planning	31.14	Riverine, Urban/Local	Harris County	Harris, Houston
061000519	San Jacinto River Watershed Local Drainage Study	999999	999999	Watershed Planning	473.37	Riverine, Coastal, Urban/Local	Harris County	Chambers, Harris, Liberty, Houston, Baytown, Montgomery, Patton Village, Roman Forest, Shenandoah, Woodbranch Village, Galena Park, Morgan's Point, Oak Ridge North, Plum Grove, La Porte, Deer Park
061000520	Clear Creek Local Drainage Study	120401040501, 120401040502, 120401040703, 120402040100, 120402040200, 120402040400	06000085, 06000086, 06000095, 06000106, 06000107, 06000109	Watershed Planning	201.07	Riverine, Coastal, Urban/Local	Harris County	Brazoria, Galveston, Fort Bend, Harris, Missouri City, Houston, Alvin, Nassau Bay, Pearland, Clear Lake Shores, Friendswood, La Porte, El Lago, Manvel, Brookside Village, League City
061000521	Cypress Creek Local Drainage Study	999999	06000026, 06000027, 06000028, 06000029, 06000030, 06000031, 06000032, 06000033, 06000042, 06000044, 06000045, 06000071, 06000072, 06000075, 06000076, 06000077, 06000078, 06000087, 06000088, 06000089	Watershed Planning	267.22	Riverine, Urban/Local	Harris County	Harris, Waller, Houston, Prairie View, Waller, Tomball, Spring

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000517	Greens Bayou Local Drainage Study	No	$ 21,649,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000518	Carpenters Bayou Local Drainage Study	No	$ 1,088,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000519	San Jacinto River Watershed Local Drainage Study	No	$ 3,288,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000520	Clear Creek Local Drainage Study	No	$ 3,008,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000521	Cypress Creek Local Drainage Study	No	$ 10,768,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000522	Cypress Creek - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Cypress Creek watershed.	06000010, 06000015	Harris, Waller	12040102, 12040104
061000523	White Oak Bayou - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for White Oak Bayou watershed.	06000010, 06000015	Harris	12040102, 12040104
061000524	White Oak Bayou Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in White Oak Bayou watershed.	06000015	Harris	12040102, 12040104
061000525	Spring Gully & Goose Creek Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Spring Gully & Goose Creek watershed.	06000015	Harris	12040104, 12040203
061000526	Cedar Bayou Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Cedar Bayou watershed.	06000015	Harris, Liberty, Chambers	12040101, 12040103, 12040104, 12040203
061000527	Addicks Reservoir Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Addicks Reservoir watershed.	06000015	Harris, Waller	12040102, 12040104
061000528	Little Cypress Creek Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Little Cypress Creek watershed.	06000015	Harris	12040102

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000522	Cypress Creek - Neighborhood Future Floodplain Analysis	999999	06000026, 06000027, 06000028, 06000029, 06000030, 06000031, 06000032, 06000033, 06000042, 06000044, 06000045, 06000071, 06000072, 06000075, 06000076, 06000077, 06000078, 06000087, 06000088, 06000089	Watershed Planning	267.23	Riverine, Urban/Local	Harris County	Harris, Waller, Houston, Prairie View, Waller, Tomball, Spring
061000523	White Oak Bayou - Neighborhood Future Floodplain Analysis	120401020104, 120401020106, 120401040301, 120401040302, 120401040303, 120401040304, 120401040305, 120401040601, 120401040604, 120401040701, 120401040703	06000029, 06000031, 06000078, 06000079, 06000080, 06000081, 06000082, 06000087, 06000090, 06000093, 06000095	Watershed Planning	111.11	Riverine, Urban/Local	Harris County	Harris, Houston, Jersey Village
061000524	White Oak Bayou Local Drainage Study	120401020104, 120401020106, 120401040301, 120401040302, 120401040303, 120401040304, 120401040305, 120401040601, 120401040604, 120401040701, 120401040703	06000029, 06000031, 06000078, 06000079, 06000080, 06000081, 06000082, 06000087, 06000090, 06000093, 06000095	Watershed Planning	111.11	Riverine, Urban/Local	Harris County	Harris, Houston, Jersey Village
061000525	Spring Gully & Goose Creek Local Drainage Study	120401040704, 120401040705, 120401040706, 120402030104, 120402030105, 120402030106	06000096, 06000097, 06000098, 06000102, 06000103, 06000104	Watershed Planning	34.96	Riverine, Urban/Local	Harris County	Harris, Baytown
061000526	Cedar Bayou Local Drainage Study	120401010501, 120401010502, 120401030205, 120401040704, 120401040705, 120401040706, 120402030101, 120402030102, 120402030103, 120402030104, 120402030105, 120402030106, 120402030200	06000024, 06000025, 06000060, 06000096, 06000097, 06000098, 06000099, 06000100, 06000101, 06000102, 06000103, 06000104, 06000105	Watershed Planning	199.04	Riverine, Coastal, Urban/Local	Harris County	Chambers, Harris, Liberty, Dayton, Baytown, Mont Belvieu
061000527	Addicks Reservoir Local Drainage Study	120401020103, 120401020104, 120401040101, 120401040102, 120401040104, 120401040201, 120401040202, 120401040203, 120401040301, 120401040302, 120401040303	06000028, 06000029, 06000071, 06000072, 06000074, 06000075, 06000076, 06000077, 06000078, 06000079, 06000080	Watershed Planning	138.47	Riverine, Urban/Local	Harris County	Harris, Waller, Houston, Katy
061000528	Little Cypress Creek Local Drainage Study	120401020101, 120401020103, 120401020104, 120401020105, 120401020106, 120401020201, 120401020205, 120401020210	06000026, 06000028, 06000029, 06000030, 06000031, 06000033, 06000037, 06000042	Watershed Planning	52.30	Riverine, Urban/Local	Harris County	Harris, Houston

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000522	Cypress Creek - Neighborhood Future Floodplain Analysis	No	$ 67,763,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000523	White Oak Bayou - Neighborhood Future Floodplain Analysis	No	$ 46,676,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000524	White Oak Bayou Local Drainage Study	No	$ 4,897,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000525	Spring Gully & Goose Creek Local Drainage Study	No	$ 3,591,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000526	Cedar Bayou Local Drainage Study	No	$ 905,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000527	Addicks Reservoir Local Drainage Study	No	$ 7,151,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000528	Little Cypress Creek Local Drainage Study	No	$ 568,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000529	Buffalo Bayou Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Buffalo Bayou watershed.	06000015	Harris, Fort Bend	12040104
061000530	Spring Gully & Goose Creek - Neighborhood Future Floodplain Analysis	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Spring Gully & Goose Creek watershed.	06000010, 06000015	Harris	12040104, 12040203
061000531	Willow Creek Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Willow Creek watershed.	06000015	Harris	12040102
061000532	Luce Bayou Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Luce Bayou watershed.	06000015	Harris, Liberty, Montgomery	12040101, 12040103, 12040203
061000533	Barker Reservoir Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Barker Reservoir watershed.	06000015	Harris, Fort Bend, Waller	12040102, 12040104
061000534	Brays Bayou Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Brays Bayou watershed.	06000015	Harris, Fort Bend	12040104
061000535	Briarwood Area Drainage Improvements	Further analysis to become a FMP. This project includes proposed storm sewer improvements to bring the area to accordance with the City of Baytown drainage criteria. Detention is also proposed to mitigate for impacts from increased flow.	06000001, 06000010	Harris	12040104, 12040203
061000536	North Alexander	Further analysis to become a FMP. This project includes proposed storm sewer improvements to bring the area to accordance with the City of Baytown drainage criteria. Detention is also proposed to mitigate for impacts from increased flow.	06000001, 06000010	Harris	12040203

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000529	Buffalo Bayou Local Drainage Study	120401040104, 120401040203, 120401040301, 120401040302, 120401040303, 120401040304, 120401040305, 120401040401, 120401040402, 120401040701, 120401040703	06000074, 06000077, 06000078, 06000079, 06000080, 06000081, 06000082, 06000083, 06000084, 06000093, 06000095	Watershed Planning	101.88	Riverine, Urban/Local	Harris County	Fort Bend, Harris, Houston, Hedwig Village, Hilshire Village, Hunters Creek Village, Piney Point Village, Bunker Hill Village, Spring Valley Village
061000530	Spring Gully & Goose Creek - Neighborhood Future Floodplain Analysis	120401040704, 120401040705, 120401040706, 120402030104, 120402030105, 120402030106	06000096, 06000097, 06000098, 06000102, 06000103, 06000104	Watershed Planning	34.96	Riverine, Urban/Local	Harris County	Harris, Baytown
061000531	Willow Creek Local Drainage Study	120401020105, 120401020106, 120401020205, 120401020209, 120401020210, 120401020212	06000030, 06000031, 06000037, 06000041, 06000042, 06000044	Watershed Planning	55.58	Riverine, Urban/Local	Harris County	Harris, Houston, Tomball
061000532	Luce Bayou Local Drainage Study	120401010501, 120401030203, 120401030204, 120401030205, 120401030402. 120402030101, 120402030204	06000024, 06000058, 06000059, 06000060, 06000070, 06000099, 06000100	Watershed Planning	74.94	Riverine, Urban/Local	Harris County	Harris, Liberty, Dayton, Houston
061000533	Barker Reservoir Local Drainage Study	120401020103, 120401040101, 120401040102, 120401040103, 120101040104, 120401040203, 120401040303, 120401040401	06000028, 06000071, 06000072, 06000073, 06000074, 06000077, 06000080, 06000083	Watershed Planning	128.62	Riverine, Urban/Local	Harris County	Fort Bend, Harris, Waller, Houston, Fulshear, Katy
061000534	Brays Bayou Local Drainage Study	120401040303, 120401040305, 120101040401, 120401040402, 120401040501, 120401040502, 120401040703	06000080, 06000082, 06000083, 06000084, 06000085, 06000086, 06000095	Watershed Planning	128.66	Riverine, Urban/Local	Harris County	Fort Bend, Harris, Sugar Land, Missouri City, Houston, Stafford, Bellaire, Meadows Place, Southside Place, West University Place
061000535	Briarwood Area Drainage Improvements	120401040706, 120402030106	06000098, 06000104	Project Planning	0.07	Urban/Local	City of Baytown	Baytown, Harris
061000536	North Alexander	120402030106	06000104	Project Planning	0.17	Urban/Local	City of Baytown	Baytown, Harris

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000529	Buffalo Bayou Local Drainage Study	No	$ 195,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000530	Spring Gully & Goose Creek - Neighborhood Future Floodplain Analysis	No	$ 14,929,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000531	Willow Creek Local Drainage Study	No	$ 972,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000532	Luce Bayou Local Drainage Study	No	$ 328,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000533	Barker Reservoir Local Drainage Study	No	$ 2,369,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000534	Brays Bayou Local Drainage Study	No	$ 334,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000535	Briarwood Area Drainage Improvements	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000536	North Alexander	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000537	Rollingbrook Garth and Main	Further analysis to become a FMP. This project includes proposed storm sewer improvements to bring the area to accordance with the City of Baytown drainage criteria. Detention is also proposed to mitigate for impacts from increased flow.	06000001, 06000010	Harris	12040104
061000538	West Baytown Phase 2	Further analysis to become a FMP. This project includes proposed storm sewer improvements to bring the area to accordance with the City of Baytown drainage criteria.	06000001, 06000010	Harris	12040104
061000539	Spring Creek Local Drainage Study	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Spring Creek watershed.	06000001, 06000010	Harris, Montgomery, Waller, Grimes	12040101, 12040102, 12040104
061000540	South Shore Drainage Pump Station	Project includes analysis to bring the existing storm sewer into compliance with updated drainage criteria along with the evaluation and design of a pump station.	06000001, 06000010	Galveston	12040204
061000541	51st Street Drainage Basin Pump Station Project	The project includes evaluation of storm drainage improvements including a pump station at 51st Street and Harborside that will help reduce flooding in the project area and the surrounding areas.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000542	Kansas Street Drainage Project, Phase 2	Further analysis of propose drainage improvements within the City's Historic District.	06000001, 06000010	Galveston	12040204
061000543	Gum Bayou Drainage Improvements	Widen Gum Bayou from approximately SH 96 to the City's ETJ and create a new detention pond approximately 270 ac-ft in size.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000544	Magnolia Creek & Cedar Gully Drainage Improvement Project	Project would look at Magnolia Creek and Cedar Gully upstream of FM 518. Improvements would include modification of detention pond outlets and culvert crossings at Summer Place.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000545	Highland Terrace and Wesley Drive Drainage Improvements	Evaluation of an extension of the FM 518 & Wesley Drive Drainage Improvement project. Includes extending storm sewer improvements.	06000001, 06000011, 06000012, 06000015	Galveston	12040204

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000537	Rollingbrook Garth and Main	120401040706	06000098	Project Planning	0.08	Urban/Local	City of Baytown	Baytown, Harris
061000538	West Baytown Phase 2	120401040706	06000098	Project Planning	0.17	Urban/Local	City of Baytown	Baytown, Harris
061000539	Spring Creek Local Drainage Study	999999	06000016, 06000017, 06000018, 06000019, 06000020, 06000021, 06000023, 06000024, 06000026, 06000030, 06000032, 06000033, 06000034, 06000035, 06000036, 06000037, 06000038, 06000039, 06000040, 06000041, 06000042, 06000043, 06000044, 06000045, 06000088	Watershed Planning	385.89	Riverine, Urban/Local	Harris County	Harris, Waller, Grimes, Houston, Montgomery, Shenandoah, Magnolia, Oak Ridge North, Stagecoach, Waller, Plantersville, Conroe, Tomball, Todd Mission, Humble, Spring
061000540	South Shore Drainage Pump Station	120402040200	06000107	Project Planning	1.24	Coastal, Urban/Local	Galveston County	Galveston, Galveston
061000541	51st Street Drainage Basin Pump Station Project	120402040200	06000107	Project Planning	1.18	Coastal, Urban/Local	Galveston County	Galveston, Galveston
061000542	Kansas Street Drainage Project, Phase 2	120402040100, 120402040200	06000106, 06000107	Project Planning	51.84	Riverine, Urban/Local	City of League City	Galveston, Harris, League City
061000543	Gum Bayou Drainage Improvements	120402040100, 120402040200	06000106, 06000107	Project Planning	5.93	Riverine, Urban/Local	City of League City	League City, Galveston
061000544	Magnolia Creek & Cedar Gully Drainage Improvement Project	120402040100, 120402040200	06000106, 06000107	Project Planning	6.30	Riverine, Urban/Local	City of League City	League City, Galveston
061000545	Highland Terrace and Wesley Drive Drainage Improvements	120402040100, 120402040200	06000106, 06000107	Project Planning	0.87	Riverine, Urban/Local	City of League City	League City, Galveston

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000537	Rollingbrook Garth and Main	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000538	West Baytown Phase 2	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000539	Spring Creek Local Drainage Study	No	$ 343,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000540	South Shore Drainage Pump Station	No	$ 5,000,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000541	51st Street Drainage Basin Pump Station Project	No	$ 9,000,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000542	Kansas Street Drainage Project, Phase 2	No	$ 580,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000543	Gum Bayou Drainage Improvements	No	$ 1,200,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000544	Magnolia Creek & Cedar Gully Drainage Improvement Project	No	$ 750,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000545	Highland Terrace and Wesley Drive Drainage Improvements	No	$ 600,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000546	Benson Bayou Regional Mitigation Conveyance & Detention Pond Project	Further study of proposed regrading of Benson Bayou and tributaries along with a regional mitigation pond and reconstruction of road crossings and existing outfall structures.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000547	Interurban Watershed Drainage Improvement Project	Project would widen Interurban Ditch by approximately 10' starting at FM 518 and extending upstream for approximately 2,000 linear feet. A 10 to 12 acre-feet detention pond downstream of FM 518 will need to be constructed to mitigate.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000548	Patton Subdivision Drainage Improvements Project	Evaluation of storm sewer improvements along Sanders St., West Wilkins St., and Interurban St. The storm sewer would discharge into an approximate 40 ac-ft new detention pond along W. Galveston/W. Wilkins before discharging into Interurban Ditch.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000551	St. Charles Street Drainage Improvements Project	Further analysis of proposed storm sewer improvements to St Charles Street and evaluation of detention.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000552	Columbia Memorial Parkway Drainage Improvement Project	A detailed drainage analysis is needed to confirm storm sewer sizes and if detention would be needed. Project would replace roadside ditches with a curb and gutter system.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000553	Magnolia Creek & Cedar Gully Clearing and Desnagging Project	Project would look at Magnolia Creek and Cedar Gully downstream of FM 518 and all work would be above the ordinary high water mark. Scope of work includes the removal of vegetation and/or Desnagging of the channels.	06000001, 06000011, 06000012, 06000015	Galveston	12040204
061000554	Texas Avenue-Magnolia-MedicalCenterBlvd-Hwy3 Drainage Improvement Study	Evaluate existing flood risk in a portion of the city bounded by Magnolia St, Texas Avenue, Hwy3, and Medical Center Blvd. Identify solutions to mitigate flood risk in this area.	06000001, 06000010	Harris	12040204
061000555	HCMUD365 Cole Crossing Stormwater Detention and Water Quality Improvement Project	PER to further study and design the incorporation of additional mitigation volume and SWQ features in the existing Cole Crossing detention pond along Cypress Creek.	06000001, 06000011, 06000012, 06000015	Harris	12040102, 12040104
061000556	Brookshire-Katy Drainage District Watershed Study	Study to expand on the recently completed existing conditions model assessment. Conduct a needs assessment and identify mitigation solutions (FMPs) to be incorporated into the flood plan.	06000001, 06000011, 06000012, 06000015	Waller	12040102, 12040104
061000557	Drainage and Paving Improvements for Cottage Grove East - Phase I	Phase 1 of storm drainage and street improvements bounded by IH-10W, White Oak Bayou, Durham Dr. and Shepherd Dr. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	06000001, 06000011, 06000012, 06000015	Harris	12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000546	Benson Bayou Regional Mitigation Conveyance & Detention Pond Project	120402040100, 120402040200	06000106, 06000107	Project Planning	5.10	Riverine, Urban/Local	City of League City	League City, Galveston
061000547	Interurban Watershed Drainage Improvement Project	120402040100, 120402040200	06000106, 06000107	Project Planning	1.12	Riverine, Urban/Local	City of League City	League City
061000548	Patton Subdivision Drainage Improvements Project	120402040100, 120402040200	06000106, 06000107	Project Planning	1.12	Urban/Local	City of League City	League City, Galveston
061000551	St. Charles Street Drainage Improvements Project	120402040100, 120402040200	06000106, 06000107	Project Planning	5.13	Riverine, Urban/Local	City of League City	League City, Galveston
061000552	Columbia Memorial Parkway Drainage Improvement Project	120402040100, 120402040200	06000106, 06000107	Project Planning	4.44	Riverine, Urban/Local	City of League City	League City, Galveston
061000553	Magnolia Creek & Cedar Gully Clearing and Desnagging Project	120402040100, 120402040200	06000106, 06000107	Project Planning	5.76	Riverine, Urban/Local	City of League City	Galveston, League City
061000554	Texas Avenue-Magnolia-MedicalCenterBlvd-Hwy3 Drainage Improvement Study	120402040100	06000106	Project Planning	0.59	Urban/Local	City of Webster	Webster
061000555	HCMUD365 Cole Crossing Stormwater Detention and Water Quality Improvement Project	120401020104, 120401020105, 120401020106, 120401020210, 120401040201, 120401040301	06000029, 06000030, 06000031, 06000042, 06000075, 06000078	Project Planning	25.77	Riverine	Harris County MUD 365	Harris County Flood Control District, Houston, Harris
061000556	Brookshire-Katy Drainage District Watershed Study	120401020103, 120401040101, 120401040102, 120401040103, 120401040203	06000028, 06000071, 06000072, 06000073, 06000077	Project Planning	76.77	Riverine, Urban/Local	Brookshire Katy Drainage District	Fort Bend, Harris, Waller, Brookshire Katy Drainage District, Houston, Katy
061000557	Drainage and Paving Improvements for Cottage Grove East - Phase I	120401040304	06000081	Project Planning	0.01	Riverine	City of Houston	Houston

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000546	Benson Bayou Regional Mitigation Conveyance & Detention Pond Project	No	$ 5,000,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000547	Interurban Watershed Drainage Improvement Project	No	$ 700,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000548	Patton Subdivision Drainage Improvements Project	No	$ 700,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000551	St. Charles Street Drainage Improvements Project	No	$ 50,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000552	Columbia Memorial Parkway Drainage Improvement Project	No	$ 100,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000553	Magnolia Creek & Cedar Gully Clearing and Desnagging Project	No	$ 150,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000554	Texas Avenue-Magnolia-MedicalCenterBlvd-Hwy3 Drainage Improvement Study	No	$ 100,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000555	HCMUD365 Cole Crossing Stormwater Detention and Water Quality Improvement Project	No	$ 100,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000556	Brookshire-Katy Drainage District Watershed Study	No	$ 500,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000557	Drainage and Paving Improvements for Cottage Grove East - Phase I	No	$ 30,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000560	Chambers County Sterling Drive Drainage Study	Assess the existing utility and drainage infrastructure and develop a more effective solution to reduce flood risk for the residential development adjacent to Sterling Drive in Baytown.	06000001, 06000011, 06000012, 06000015	Chambers	12040203
061000561	Chambers County Bayside Drive Tidal Surge Protection	Analyze feasibility of constructing a seawall and implementing other improvements to protect residents from storm surge.	06000001, 06000011, 06000012, 06000015	Chambers	12040203

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000560	Chambers County Sterling Drive Drainage Study	120402030105, 120402030106	06000103, 06000104	Project Planning	0.05	Urban/Local	Chambers County	Chambers, Baytown, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Houston-Galveston Area Council, Chambers County MUD 1, Coastal Water Authority, Baytown Area Water Authority, Trinity River Authority of Texas, Gulf Coast Protection District
061000561	Chambers County Bayside Drive Tidal Surge Protection	120402030200	06000105	Project Planning	0.10	Riverine, Coastal	Chambers County	Chambers, Beach City, San Jacinto Region Boundary, Chambers-Liberty Counties Navigation District, Gulf Coast Waste Disposal Authority, Houston-Galveston Area Council, Coastal Water Authority, Trinity River Authority of Texas, Gulf Coast Protection District

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000560	Chambers County Sterling Drive Drainage Study	No	$85,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000561	Chambers County Bayside Drive Tidal Surge Protection	No	$127,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000596	Armand Bayou Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Harris	12040104, 12040204
061000597	Clear Creek Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Brazoria, Galveston, Fort Bend, Chambers, Harris	12040104, 12040204
061000598	Carpenters Bayou Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000599	Halls Bayou Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Harris	12040104

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FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000596	Armand Bayou Watershed Study	120402040100, 120401040706, 120401040703	06000095, 06000098, 06000106	Watershed Planning	58.40	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris, Nassau Bay, La Porte, Houston, Deer Park, Webster, Pasadena, Taylor Lake Village, San Jacinto Region Boundary, Baybrook Management District, Gulf Coast Waste Disposal Authority, NASA Area Management District, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Clear Lake City Water Authority
061000597	Clear Creek Watershed Study	120402040200, 120402040400, 120402040100, 120401040502, 120401040501	06000086, 06000085, 06000107, 06000109, 06000106	Watershed Planning	199.72	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris County Flood Control District
061000598	Carpenters Bayou Watershed Study	120401010502, 120401040705, 120401040702, 120401040606, 120401040605, 120401040703, 120401040704	06000025, 06000091, 06000095, 06000097, 06000094, 06000092, 06000096	Watershed Planning	29.38	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris County Flood Control District
061000599	Halls Bayou Watershed Study	120401040601, 120401040304, 120401040302, 120401040603, 120401040604, 120401040606, 120401040605, 120401040701	06000091, 06000087, 06000079, 06000090, 06000092, 06000081, 06000089, 06000093	Watershed Planning	44.78	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000596	Armand Bayou Watershed Study	Yes	$675,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000597	Clear Creek Watershed Study	Yes	$844,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000598	Carpenters Bayou Watershed Study	Yes	$422,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000599	Halls Bayou Watershed Study	Yes	$507,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000600	Jackson Bayou Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Harris	12040101, 12040104, 12040203
061000601	Little Cypress Creek Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Harris	12040102
061000602	Luce Bayou Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Harris, Liberty, San Jacinto	12040103

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FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000600	Jackson Bayou Watershed Study	120401010502, 120402030103, 120402030104, 120402030102, 120401040704	06000025, 06000096, 06000102, 06000101, 06000100	Watershed Planning	26.15	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Harris County MUD 525, Coastal Water Authority, Harris County MUD 19, Crosby MUD, Harris County WCID 70, Newport MUD, Harris County FWSD 58, Harris County MUD 544, Harris County MUD 544
061000601	Little Cypress Creek Watershed Study	120401020103, 120401020104, 120401020101, 120401020105, 120401020106, 120401020201, 120401020205, 120401020210	06000028, 06000029, 06000031, 06000026, 06000030, 06000033, 06000037, 06000042	Watershed Planning	54.03	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District
061000602	Luce Bayou Watershed Study	120302021201, 120401030201, 120302030101, 120302021207, 120302030108, 120302030105, 120302030106, 120401030205, 120401010501, 120401030402, 120402030102, 120402030101, 120401030202, 120401030203, 120401030204, 120401030401, 120401030307, 120401030308	06000024, 06000056, 06000060, 06000070, 06000058, 06000059, 06000057, 06000069, 06000067, 06000068, 06000100, 06000099	Watershed Planning	220.61	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000600	Jackson Bayou Watershed Study	Yes	$422,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000601	Little Cypress Creek Watershed Study	Yes	$507,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000602	Luce Bayou Watershed Study	Yes	$675,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000603	San Jacinto and Galveston Bay Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Chambers, Harris	12040104, 12040204
061000604	San Jacinto River Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Chambers, Harris, Liberty, Montgomery	12040101, 12040102, 12040103, 12040104, 12040203, 12040204
061000605	Spring Creek Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Harris, Waller, Montgomery, Grimes	12040101, 12040102

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000603	San Jacinto and Galveston Bay Watershed Study	120402040100, 120401040706	06000098, 06000106	Watershed Planning	19.09	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Chambers, Harris, Morgan's Point, La Porte, Pasadena, Seabrook, Shoreacres, San Jacinto Region Boundary, Chambers-Liberty Counties Navigation District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, La Porte Area Water Authority, Trinity River Authority of Texas
061000604	San Jacinto River Watershed Study	999999	06000025, 06000024, 06000023, 06000045, 06000055, 06000050, 06000054, 06000060, 06000070, 06000095, 06000084, 06000097, 06000098, 06000094, 06000092, 06000088, 06000086, 06000093, 06000096, 06000102, 06000104, 06000100, 06000105, 06000106	Watershed Planning	245.73	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris County Flood Control District
061000605	Spring Creek Watershed Study	999999	999999	Watershed Planning	390.70	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000603	San Jacinto and Galveston Bay Watershed Study	Yes	$422,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000604	San Jacinto River Watershed Study	Yes	$1,013,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000605	Spring Creek Watershed Study	Yes	$760,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

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FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000606	Spring Gully and Goose Creek Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000607	Vince Bayou Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Harris	12040104, 12040204
061000608	Willow Creek Watershed Study	Watershed-wide study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and BCAs for each project	06000001, 06000011, 06000012, 06000015	Harris, Montgomery	12040102

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FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000606	Spring Gully and Goose Creek Watershed Study	120402030104, 120402030106, 120401040705, 120401040706, 120401040704	06000097, 06000098, 06000096, 06000102, 06000104	Watershed Planning	34.02	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris, Baytown, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Lake MUD, Harris County MUD 473, Harris County FWSD 1-B, Harris County MUD 213, Harris County WCID 1, Harris County MUD 459, Baytown Area Water Authority, Harris County FWSD 27
061000607	Vince Bayou Watershed Study	120402040100, 120401040502, 120401040703	06000095, 06000086, 06000106	Watershed Planning	15.93	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris, South Houston, Houston, Pasadena, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District
061000608	Willow Creek Watershed Study	120401020105, 120401020106, 120401020205, 120401020210, 120401020209, 120401020212	06000031, 06000030, 06000037, 06000042, 06000041, 06000044	Watershed Planning	51.08	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000606	Spring Gully and Goose Creek Watershed Study	Yes	$422,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000607	Vince Bayou Watershed Study	Yes	$422,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000608	Willow Creek Watershed Study	Yes	$507,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000612	Feasibility Study of the H103-05-00 Subwatershed in City of Jacinto City	Feasibility Study for H103-05-00 Project in City of Jacinto City	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000613	Feasibility Study for Tributary E118-00-00	Feasibility Study for Tributary E118-00-00	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000614	Feasibility Study for Little Vince Bayou I101-00-00 in Pasadena	Feasibility Study for Little Vince Bayou I101-00-00 in Pasadena	06000001, 06000011, 06000012, 06000015	Harris	12040104, 12040204

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000612	Feasibility Study of the H103-05-00 Subwatershed in City of Jacinto City	120401040701	06000093	Project Planning	2.07	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris, Jacinto City, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District
061000613	Feasibility Study for Tributary E118-00-00	120401040304, 120401040302	06000079, 06000081	Project Planning	2.33	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Near Northwest Management District, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District
061000614	Feasibility Study for Little Vince Bayou I101-00-00 in Pasadena	120402040100, 120401040703	06000095, 06000106	Project Planning	5.37	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris, Houston, Pasadena, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000612	Feasibility Study of the H103-05-00 Subwatershed in City of Jacinto City	Yes	$169,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000613	Feasibility Study for Tributary E118-00-00	Yes	$254,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000614	Feasibility Study for Little Vince Bayou I101-00-00 in Pasadena	Yes	$338,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000615	H103-00-00 Denver Harbor Area Project	A study of the upstream end of H103-00-00 in the Denver Harbor area	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000616	Cedar Bayou Overflow and Channel Diversion Study	Cedar Bayou Overflow and Channel Diversion Study for defining flood risk ad mitigation alternative	06000001, 06000011, 06000012, 06000015	Harris, Liberty	12030203, 12040203

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000615	H103-00-00 Denver Harbor Area Project	120401040701	06000093	Project Planning	1.41	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District
061000616	Cedar Bayou Overflow and Channel Diversion Study	120302030301, 120302030302, 120401010502, 120302030108, 120401030205, 120401010501, 120402030102, 120402030101	06000025, 06000024, 06000060, 06000100, 06000099	Project Planning	33.38	Riverine	Harris County Flood Control District (HCFCD)	Harris, Liberty, Dayton, San Jacinto Region Boundary, San Jacinto River Authority, Liberty County Drainage District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Harris County MUD 557, Coastal Water Authority, Pine Bough PUD, Harris-Liberty Counties MUD 1, Robin PUD, Harris County MUD 506

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000615	H103-00-00 Denver Harbor Area Project	Yes	$254,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000616	Cedar Bayou Overflow and Channel Diversion Study	Yes	$675,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000617	PER of Gulf Bank South Stormwater Detention Basin	Preliminary Engineering Study of Stormwater Detention Basin Gulf Bank South	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000618	Feasibility Study of Aldine Westfield North Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Aldine Westfield North	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000619	Feasibility Study of Aldine Westfield South Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin-Aldine Westfield South	06000001, 06000011, 06000012, 06000015	Harris	12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000617	PER of Gulf Bank South Stormwater Detention Basin	120401040604	06000090	Project Planning	13.89	Riverine	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Airline Improvement District, Gulf Coast Protection District
061000618	Feasibility Study of Aldine Westfield North Stormwater Detention Basin	120401040604	06000090	Project Planning	14.90	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, East Aldine Management District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Gulf Coast Protection District
061000619	Feasibility Study of Aldine Westfield South Stormwater Detention Basin	120401040604	06000090	Project Planning	14.90	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, East Aldine Management District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Gulf Coast Protection District

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000617	PER of Gulf Bank South Stormwater Detention Basin	Yes	$1,013,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000618	Feasibility Study of Aldine Westfield North Stormwater Detention Basin	Yes	$675,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000619	Feasibility Study of Aldine Westfield South Stormwater Detention Basin	Yes	$675,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000620	Feasibility Study of Little York Phase 2 Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Little York Phase 2	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000621	Feasibility Study of Veterans Memorial Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Vet Memorial	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000622	Feasibility Study of the Turney Road Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Turney Rd	06000001, 06000011, 06000012, 06000015	Harris	12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000620	Feasibility Study of Little York Phase 2 Stormwater Detention Basin	120401040604	06000090	Project Planning	2.86	Riverine	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, East Aldine Management District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District
061000621	Feasibility Study of Veterans Memorial Stormwater Detention Basin	120401040604	06000090	Project Planning	12.22	Riverine	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Forest Hills MUD, Mount Houston Road MUD, Gulf Coast Protection District
061000622	Feasibility Study of the Turney Road Stormwater Detention Basin	120401040604	06000090	Project Planning	12.23	Riverine	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000620	Feasibility Study of Little York Phase 2 Stormwater Detention Basin	Yes	$633,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000621	Feasibility Study of Veterans Memorial Stormwater Detention Basin	Yes	$633,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000622	Feasibility Study of the Turney Road Stormwater Detention Basin	Yes	$633,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000623	Feasibility Study of the Shady Lane Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Shady Ln	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000624	Feasibility Study of the Pinewood Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Pinewood	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000625	Feasibility Study of the Northline North Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Northline N	06000001, 06000011, 06000012, 06000015	Harris	12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000623	Feasibility Study of the Shady Lane Stormwater Detention Basin	120401040604	06000090	Project Planning	6.31	Riverine	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, East Aldine Management District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Sunbelt FWSD, Gulf Coast Protection District
061000624	Feasibility Study of the Pinewood Stormwater Detention Basin	120401040604	06000090	Project Planning	7.32	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Greater Northside Management District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District
061000625	Feasibility Study of the Northline North Stormwater Detention Basin	120401040604	06000090	Project Planning	20.10	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Sunbelt FWSD, Airline Improvement District, Gulf Coast Protection District

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000623	Feasibility Study of the Shady Lane Stormwater Detention Basin	Yes	$633,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000624	Feasibility Study of the Pinewood Stormwater Detention Basin	Yes	$633,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000625	Feasibility Study of the Northline North Stormwater Detention Basin	Yes	$633,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000626	Feasibility Study of the Northline South Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Northline S	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000627	Feasibility Study of the Lakewood Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Lakewood Basin	06000001, 06000011, 06000012, 06000015	Harris	12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000626	Feasibility Study of the Northline South Stormwater Detention Basin	120401040604	06000090	Project Planning	20.10	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Sunbelt FWSD, Airline Improvement District, Gulf Coast Protection District
061000627	Feasibility Study of the Lakewood Stormwater Detention Basin	120401040604	06000090	Project Planning	7.32	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Greater Northside Management District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000626	Feasibility Study of the Northline South Stormwater Detention Basin	Yes	$633,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000627	Feasibility Study of the Lakewood Stormwater Detention Basin	Yes	$633,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000628	Feasibility Study of the Langley Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Langley Basin	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000629	Feasibility Study of the Haywood Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Haywood Basin	06000001, 06000011, 06000012, 06000015	Harris	12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000628	Feasibility Study of the Langley Stormwater Detention Basin	120401040604	06000090	Project Planning	9.56	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, East Aldine Management District, Greater Northside Management District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District
061000629	Feasibility Study of the Haywood Stormwater Detention Basin	120401040604	06000090	Project Planning	9.56	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Greater Northside Management District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000628	Feasibility Study of the Langley Stormwater Detention Basin	Yes	$633,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000629	Feasibility Study of the Haywood Stormwater Detention Basin	Yes	$633,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000630	Feasibility Study of the Cockrell Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Cockrell	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000631	Feasibility Study of Halls Bayou Main Stem Conveyance Improvements	Feasibility Study of Halls Bayou Mainstem Conveyance Improvements	06000001, 06000011, 06000012, 06000015	Harris	12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000630	Feasibility Study of the Cockrell Stormwater Detention Basin	120401040604	06000090	Project Planning	3.05	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Greenspoint District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Central Harris County Regional Water Authority, Coastal Water Authority, Fallbrook Utility District, Gulf Coast Protection District
061000631	Feasibility Study of Halls Bayou Main Stem Conveyance Improvements	120401040604	06000090	Project Planning	44.78	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, East Aldine Management District, Greater Northside Management District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Sunbelt FWSD, Airline Improvement District, Coastal Water Authority, Northwest Park MUD, Forest Hills MUD, Mount Houston Road MUD, Gulf Coast Protection District

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000630	Feasibility Study of the Cockrell Stormwater Detention Basin	Yes	$633,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000631	Feasibility Study of Halls Bayou Main Stem Conveyance Improvements	Yes	$675,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000632	Feasibility Study of Blue Bell Phase 2 Stormwater Detention Basin	Feasibility Study of Stormwater Detention Basin - Blue Bell Phase 2	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000633	Cypress Creek Watershed Study to Phase the FMP 63000357	Study to phase and prioritize currently recommended FMP 063000357. Scope would include demonstrating NAI, OPCC, BCAs for individual phases of the larger project	06000001, 06000011, 06000012, 06000015	Harris, Waller	12040102
061000634	Projects B106-WP01 and B106-WP02 for City of La Porte	Right-Of-Way, Design and Construction for Conveyance Improvements for B106-00-00 to reduce flooding in the City of La Porte	06000001, 06000011, 06000012, 06000015	Harris	12040204

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000632	Feasibility Study of Blue Bell Phase 2 Stormwater Detention Basin	120401040604	06000090	Project Planning	14.56	Riverine	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District
061000633	Cypress Creek Watershed Study to Phase the FMP 63000357	999999	06000027, 06000028, 06000029, 06000031, 06000026, 06000030, 06000032, 06000033, 06000042, 06000044, 06000045, 06000087, 06000076, 06000075, 06000071, 06000077, 06000078, 06000088, 06000089	Other	266.33	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District
061000634	Projects B106-WP01 and B106-WP02 for City of La Porte	120402040100, 120401040706	06000098, 06000106	Project Planning	4.72	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris, La Porte, Deer Park, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, La Porte Area Water Authority, Gulf Coast Protection District

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000632	Feasibility Study of Blue Bell Phase 2 Stormwater Detention Basin	Yes	$633,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000633	Cypress Creek Watershed Study to Phase the FMP 63000357	Yes	$844,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000634	Projects B106-WP01 and B106-WP02 for City of La Porte	Yes	$633,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000635	Little Cedar Bayou Flood Risk Reduction Project	An evaluation in the F216-00-00 subwatershed to further advance the prior findings of the feasibility analysis	06000001, 06000011, 06000012, 06000015	Harris	12040104, 12040204
061000636	South Acres Tributary Channel Conveyance Improvements and Detention	Evaluation in the C124 subwatershed following the C124-00-00-P001 feasibility analysis	06000001, 06000011, 06000012, 06000015	Harris	12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000635	Little Cedar Bayou Flood Risk Reduction Project	120402040100, 120401040706	06000098, 06000106	Project Planning	3.26	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris, La Porte, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, La Porte Area Water Authority, Gulf Coast Protection District
061000636	South Acres Tributary Channel Conveyance Improvements and Detention	120401040502, 120401040501	06000086, 06000085	Project Planning	1.00	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Harris County Improvement District 10A, Gulf Coast Protection District

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000635	Little Cedar Bayou Flood Risk Reduction Project	Yes	$844,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000636	South Acres Tributary Channel Conveyance Improvements and Detention	Yes	$844,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000637	Alief Area Flood Risk Management Study	Drainage Analysis of the Alief area in the Brays Bayou watershed	06000001, 06000011, 06000012, 06000015	Harris	12040104
061000638	Detailed Evaluation of the Cole Creek Stormwater Detention Basin	Feasibility Study of Cole Creek Stormwater detention basin - E517-01-00 to define flood risks and mitigation alternatives	06000001, 06000011, 06000012, 06000015	Harris	12040104

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000637	Alief Area Flood Risk Management Study	120401040401	06000083	Watershed Planning	2.89	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, International Management District, Port of Houston Authority, Westchase District, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District
061000638	Detailed Evaluation of the Cole Creek Stormwater Detention Basin	120401040302	06000079	Project Planning	5.21	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, CY Fair Community Improvement District, Coastal Water Authority, Gulf Coast Protection District

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000637	Alief Area Flood Risk Management Study	Yes	$844,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000638	Detailed Evaluation of the Cole Creek Stormwater Detention Basin	Yes	$844,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000639	Cypress Trace Stormwater Detention Basin	Feasibility Study of Trace Stormwater Detention Basin - K500-Future Project to define flood risks and mitgation alternatives	06000001, 06000011, 06000012, 06000015	Harris	12040102
061000640	Conservation Easements for Natural and Agricultural Lands in the Floodplain	Study conserving lands in 100- and 500-year floodplains. Focus on agricultural lands in the 13-county Texas Coastal Prairie Initiative. Identify eligible lands, develop conservation terms, estimate values, and review federal program compatibility.	06000001, 06000011, 06000012, 06000013, 06000014, 06000015	Brazoria, Galveston, Chambers, Harris, Jefferson, Orange, Hardin	12020003, 12090402, 12020007, 12030203, 12040101, 12040104, 12090401, 12040203, 12070104, 12040202, 12040204, 12040205, 12010005, 12040201
061000641	Caney Creek Detention at FM 1097	Study to determine the feasibility of the implementation of a dry dam detention facility near FM 1097 on Caney Creek to reduce flooding for structures and roadways along Caney Creek.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery, Walker	12040103
061000642	Lake Creek - Caney Creek Detention	Study to determine the feasibility of the implementation of a dry dam detention facility along Caney Creek, a tributary to Lake Creek, to reduce flooding for structures and roadways along Caney and Lake Creek.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery, Grimes	12040101

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000639	Cypress Trace Stormwater Detention Basin	120401020107	06000032	Project Planning	22.68	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, North Harris County Regional Water Authority, CNP Utility District, Coastal Water Authority, Harris County WCID 110, Gulf Coast Protection District
061000640	Conservation Easements for Natural and Agricultural Lands in the Floodplain	999999	06000025, 06000095, 06000084, 06000097, 06000098, 06000094, 06000082, 06000092, 06000081, 06000086, 06000093, 06000096, 06000103, 06000104, 06000105, 06000108, 06000107, 06000109, 06000110, 06000106	Project Planning	12949.40	Riverine, Coastal	Coastal Prairie Conservancy	Coastal Prairie Conservancy
061000641	Caney Creek Detention at FM 1097	120401030110, 120401010401, 120401010403, 120401030104, 120401030101, 120401030102, 120401030103, 120401030105, 120401030106, 120401030107, 120401030109, 120401010204, 120401010404, 120401010501, 120401030402, 120401030303, 120401030302	06000022, 06000005, 06000006, 06000020, 06000008, 06000024, 06000009, 06000023, 06000055, 06000047, 06000049, 06000046, 06000048, 06000050, 06000051, 06000052, 06000054, 06000070, 06000063, 06000062	Project Planning	214.94	Riverine	San Jacinto River Authority	San Jacinto River Authority
061000642	Lake Creek - Caney Creek Detention	999999	999999	Project Planning	455.28	Riverine	San Jacinto River Authority	San Jacinto River Authority

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000639	Cypress Trace Stormwater Detention Basin	Yes	$844,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000640	Conservation Easements for Natural and Agricultural Lands in the Floodplain	No	$844,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000641	Caney Creek Detention at FM 1097	No	$692,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000642	Lake Creek - Caney Creek Detention	No	$692,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000643	Lake Creek - Little Caney Creek Detention	Study to determine the feasibility of the implementation of a dry dam detention facility along Little Caney Creek, a tributary to Lake Creek, to reduce flooding for structures and roadways along Little Caney and Lake Creek.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery, Grimes	12040101
061000644	Lake Creek - Garrett's Creek Detention	Study to determine the feasibility of the implementation of a dry dam detention facility along Garrett's Creek, a tributary to Lake Creek, to reduce flooding for structures and roadways along Garrett's and Lake Creek.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery, Grimes	12040101
061000645	Peach Creek Detention at N Walker Rd	Study to determine the feasibility of the implementation of a dry dam detention facility along Peach and Boggy Creek near N Walker Rd to reduce flooding for structures and roadways along Peach Creek.	06000001, 06000011, 06000012, 06000015	Liberty, Montgomery, San Jacinto, Walker	12040103
061000646	Peach Creek Detention at SH 105	Study to determine the feasibility of the implementation of a dry dam detention facility along Peach Creek near SH 105 to reduce flooding for structures and roadways along Peach Creek.	06000001, 06000011, 06000012, 06000015	Liberty, Montgomery, San Jacinto, Walker	12040103
061000647	Spring Creek Woodlands Channelization (200-ft)	Study to determine the feasibility of Spring Creek conveyance improvements from Kuykendahl Road to Willow Creek confluence to reduce flooding for surrounding structures and roadways.	06000001, 06000011, 06000012, 06000015	Harris, Waller, Montgomery, Grimes	12040102
061000648	Spring Creek I-45 Channelization	Study to determine the feasibility of Spring Creek conveyance improvements from I-45 to approximately 4 miles downstream of Riley Fuzzel Road to reduce flooding for surrounding structures and roadways.	06000001, 06000011, 06000012, 06000015	Harris, Waller, Montgomery, Grimes	12040102
061000649	West Fork San Jacinto River SH 242 Channelization	Study to determine the feasibility of West Fork San Jacinto River channelization near SH 242 to reduce flooding for surrounding structures and roadways.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery	12040101, 12040102, 12040103, 12040104, 12040203

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000643	Lake Creek - Little Caney Creek Detention	999999	999999	Project Planning	455.28	Riverine	San Jacinto River Authority	San Jacinto River Authority
061000644	Lake Creek - Garrett's Creek Detention	999999	999999	Project Planning	455.28	Riverine	San Jacinto River Authority	San Jacinto River Authority
061000645	Peach Creek Detention at N Walker Rd	120401030110, 120401030108, 120401030101, 120401030102, 120401030103, 120401030105, 120401030106, 120401030107, 120401030109, 120401030402, 120401030303, 120401030304, 120401030401	06000055, 06000047, 06000053, 06000046, 06000048, 06000050, 06000051, 06000052, 06000054, 06000070, 06000063, 06000064, 06000069	Project Planning	157.95	Riverine	San Jacinto River Authority	San Jacinto River Authority
061000646	Peach Creek Detention at SH 105	120401030110, 120401030108, 120401030101, 120401030102, 120401030103, 120401030105, 120401030106, 120401030107, 120401030109, 120401030402, 120401030303, 120401030304, 120401030401	06000055, 06000047, 06000053, 06000046, 06000048, 06000050, 06000051, 06000052, 06000054, 06000070, 06000063, 06000064, 06000069	Project Planning	157.95	Riverine	San Jacinto River Authority	San Jacinto River Authority
061000647	Spring Creek Woodlands Channelization (200-ft)	999999	999999	Project Planning	390.70	Riverine	San Jacinto River Authority	San Jacinto River Authority
061000648	Spring Creek I-45 Channelization	999999	999999	Project Planning	390.70	Riverine	San Jacinto River Authority	San Jacinto River Authority
061000649	West Fork San Jacinto River SH 242 Channelization	120401030110, 120401010401, 120401010502, 120401010402, 120401010403, 120401020212, 120401020213, 120401030105, 120401010404, 120401010501, 120401030402, 120402030102, 120401040702, 120401040602, 120401040704	06000022, 06000020, 06000025, 06000021, 06000024, 06000023, 06000044, 06000045, 06000055, 06000050, 06000070, 06000094, 06000088, 06000096, 06000100	Project Planning	179.92	Riverine	San Jacinto River Authority	San Jacinto River Authority

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000643	Lake Creek - Little Caney Creek Detention	No	$692,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000644	Lake Creek - Garrett's Creek Detention	No	$692,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000645	Peach Creek Detention at N Walker Rd	No	$692,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000646	Peach Creek Detention at SH 105	No	$692,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000647	Spring Creek Woodlands Channelization (200-ft)	No	$692,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000648	Spring Creek I-45 Channelization	No	$692,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000649	West Fork San Jacinto River SH 242 Channelization	No	$692,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000650	East Fork San Jacinto River Winters Bayou Detention	Study to determine the feasibility of the implementation of a dry dam detention facility along Winters Bayou to reduce flooding for structures and roadways along the East Fork of the San Jacinto River.	06000001, 06000011, 06000012, 06000015	Harris, Liberty, Montgomery, San Jacinto, Walker	12040103
061000651	West Fork San Jacinto River Kingwood Benching	Study to determine the feasibility of West Fork San Jacinto River channelization from I-69 to Lake Houston Parkway to reduce flooding for surrounding structures and roadways.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery	12040101, 12040102, 12040103, 12040104, 12040203
061000652	Peach Creek Channelization at I-69 (I-59)	Study to determine the feasibility of Peach Creek channelization from I-69 to FM 1485 to reduce flooding for surrounding structures and roadways.	06000001, 06000011, 06000012, 06000015	Liberty, Montgomery, San Jacinto, Walker	12040103
061000653	Caney Creek Detention at SH 105	Study to determine the feasibility of the implementation of a dry dam detention facility near SH 105 on Caney Creek to reduce flooding for structures and roadways along Caney Creek.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery, Walker	12040103

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000650	East Fork San Jacinto River Winters Bayou Detention	999999	06000005, 06000006, 06000024, 06000055, 06000056, 06000053, 06000046, 06000051, 06000052, 06000054, 06000060, 06000070, 06000063, 06000065, 06000058, 06000057, 06000061, 06000062, 06000064, 06000066, 06000069, 06000067, 06000068	Project Planning	408.81	Riverine	San Jacinto River Authority	San Jacinto River Authority
061000651	West Fork San Jacinto River Kingwood Benching	120401030110, 120401010401, 120401010502, 120401010402, 120401010403, 120401020212, 120401020213, 120401030105, 120401010404, 120401010501, 120401030402, 120402030102, 120401040702, 120401040602, 120401040704	06000022, 06000020, 06000025, 06000021, 06000024, 06000023, 06000044, 06000045, 06000055, 06000050, 06000070, 06000094, 06000088, 06000096, 06000100	Project Planning	179.92	Riverine	San Jacinto River Authority	San Jacinto River Authority
061000652	Peach Creek Channelization at I-69 (I-59)	120401030110, 120401030108, 120401030101, 120401030102, 120401030103, 120401030105, 120401030106, 120401030107, 120401030109, 120401030402, 120401030303, 120401030304, 120401030401	06000055, 06000047, 06000053, 06000046, 06000048, 06000050, 06000051, 06000052, 06000054, 06000070, 06000063, 06000064, 06000069	Project Planning	157.95	Riverine	San Jacinto River Authority	San Jacinto River Authority
061000653	Caney Creek Detention at SH 105	120401030110, 120401010401, 120401010403, 120401030104, 120401030101, 120401030102, 120401030103, 120401030105, 120401030106, 120401030107, 120401030109, 120401010204, 120401010404, 120401010501, 120401030402, 120401030303, 120401030302	06000022, 06000005, 06000006, 06000020, 06000008, 06000024, 06000009, 06000023, 06000055, 06000047, 06000049, 06000046, 06000048, 06000050, 06000051, 06000052, 06000054, 06000070, 06000063, 06000062	Project Planning	214.94	Riverine	San Jacinto River Authority	San Jacinto River Authority

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000650	East Fork San Jacinto River Winters Bayou Detention	No	$692,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000651	West Fork San Jacinto River Kingwood Benching	No	$692,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000652	Peach Creek Channelization at I-69 (I-59)	No	$692,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000653	Caney Creek Detention at SH 105	No	$692,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000654	Caney Creek Channelization at I-69	Study to determine the feasibility of Caney Creek channelization from I-69 to confluence with the East Fork San Jacinto River to reduce flooding for surrounding structures and roadways.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery, Walker	12040103
061000655	Upper San Jacinto River Basin Reservoir Feasibility Study	Study to find the best location for a dual-purpose reservoir in the Upper San Jacinto River Basin. Focus on East Fork San Jacinto River, Winters Bayou, and Peach Creek. Consider real estate, environmental impacts, cost, and benefits.	06000001, 06000011, 06000012, 06000015	Liberty, Montgomery, San Jacinto, Walker	12030202, 12040101, 12040103
061000656	Pinebrook Drainage Improvements Study	Hydrologic and hydraulic modeling to identify opportunities to improve conveyance and mitigate flood risk in the Pinebrook subdivision.	06000001, 06000011, 06000012, 06000015	Grimes	12040102

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000654	Caney Creek Channelization at I-69	120401030110, 120401010401, 120401010403, 120401030104, 120401030101, 120401030102, 120401030103, 120401030105, 120401030106, 120401030107, 120401030109, 120401010204, 120401010404, 120401010501, 120401030402, 120401030303, 120401030302	06000022, 06000005, 06000006, 06000020, 06000008, 06000024, 06000009, 06000023, 06000055, 06000047, 06000049, 06000046, 06000048, 06000050, 06000051, 06000052, 06000054, 06000070, 06000063, 06000062	Project Planning	214.94	Riverine	San Jacinto River Authority	San Jacinto River Authority
061000655	Upper San Jacinto River Basin Reservoir Feasibility Study	999999	999999	Project Planning	747.41	Riverine	San Jacinto River Authority	Liberty, Montgomery, San Jacinto, Walker, Cleveland, Huntsville, North Cleveland, Cut and Shoot, San Jacinto Region Boundary, San Jacinto River Authority, Liberty County Drainage District, Deep East Texas Council of Governments, Houston-Galveston Area Council, East Montgomery County Improvement District, Phelps SUD, Montgomery County MUD 38
061000656	Pinebrook Drainage Improvements Study	120401010306, 120401020206	06000017, 06000038	Watershed Planning	9.96	Riverine	Grimes County	Grimes, San Jacinto Region Boundary, Brazos Valley Council of Governments, San Jacinto River Authority

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000654	Caney Creek Channelization at I-69	No	$692,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000655	Upper San Jacinto River Basin Reservoir Feasibility Study	No	$1,978,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000656	Pinebrook Drainage Improvements Study	No	$85,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000657	Flagtail Creek - Lake Creek and Tributaries Crossing Improvement Study	Study crossings in the Flagtail Creek - Lake Creek sub-watershed (including CR 229, CR 233, CR 231, CR 234, CR 232, CR 262, CR 232A, CR 236, CR 217, CR 242, CR 235, and CR 216) and identify projects to improve undersized culverts and low water crossings.	06000001, 06000011, 06000012, 06000015	Grimes	12040101
061000658	Garretts Creek and Tributaries Crossing Improvement Study	Study crossings in the Garretts Creek sub-watershed (including CR 222, CR 237, CR 220, CR 217, CR 218, Fairview Cemetery Road, CR 240, and CR 212) and identify projects to improve undersized culverts and low water crossings.	06000001, 06000011, 06000012, 06000015	Grimes	12040101
061000659	Haynie Creek - Little Caney Creek and Tributaries Crossing Improvement Study	Study crossings in the Haynie Creek - Little Caney Creek sub-watershed (including CR 215, CR 211, CR 213, CR 247, CR 210, and Granite Ridge Drive) and identify projects to improve undersized culverts and low water crossings.	06000001, 06000011, 06000012, 06000015	Grimes	12040101
061000660	Sand Creek - Caney Creek and Tributaries Crossing Improvement Study	Study crossings in the Sand Creek - Caney Creek sub-watershed (including CR 215, South Oaks Drive, CR 309, CR 208, CR 207, CR 209, CR 206, CR 313, CR 204, and CR 333) and identify projects to improve undersized culverts and low water crossings.	06000001, 06000011, 06000012, 06000015	Grimes	12040101

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000657	Flagtail Creek - Lake Creek and Tributaries Crossing Improvement Study	120302020501, 120401010101, 120401010103, 120401010301, 120401010302, 120701030801, 120701030705	06000001, 06000012, 06000013, 06000003	Project Planning	42.18	Riverine	Grimes County	Montgomery, Grimes, San Jacinto Region Boundary, Brazos Valley Council of Governments, San Jacinto River Authority, Brazos River Authority, Houston-Galveston Area Council
061000658	Garretts Creek and Tributaries Crossing Improvement Study	120401010301, 120401010302, 120401010303, 120401010304, 120701030802	06000012, 06000013, 06000014, 06000015	Project Planning	31.16	Riverine	Grimes County	Montgomery, Grimes, San Jacinto Region Boundary, Brazos Valley Council of Governments, San Jacinto River Authority, Brazos River Authority, Houston-Galveston Area Council
061000659	Haynie Creek - Little Caney Creek and Tributaries Crossing Improvement Study	120401010302, 120401010303, 120401010304, 120401010305, 120401010306, 120701030802	06000013, 06000014, 06000015, 06000016, 06000017	Project Planning	30.86	Riverine	Grimes County	Montgomery, Grimes, San Jacinto Region Boundary, Brazos Valley Council of Governments, San Jacinto River Authority, Brazos River Authority, Houston-Galveston Area Council
061000660	Sand Creek - Caney Creek and Tributaries Crossing Improvement Study	120401010304, 120401010305, 120401010306, 120401020206, 120701010802	06000015, 06000016, 06000017, 06000038	Project Planning	37.43	Riverine	Grimes County	Grimes, Plantersville, San Jacinto Region Boundary, Brazos Valley Council of Governments, San Jacinto River Authority, Brazos River Authority, Grimes County MUD 1

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000657	Flagtail Creek - Lake Creek and Tributaries Crossing Improvement Study	No	$532,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000658	Garretts Creek and Tributaries Crossing Improvement Study	No	$393,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000659	Haynie Creek - Little Caney Creek and Tributaries Crossing Improvement Study	No	$380,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000660	Sand Creek - Caney Creek and Tributaries Crossing Improvement Study	No	$469,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	HUC8s
061000661	Town of Dobbin - Lake Creek and Tributaries Crossing Improvement Study	Study crossings within the Town of Dobbin - Lake Creek sub watershed (including crossings Askew Road (2x), CR 204 (2x), and CR 203 (4x)) and identify projects to improve undersized culverts and low water crossings.	06000001, 06000011, 06000012, 06000015	Grimes	12040101
061000662	Hurricane Creek - Mill Creek and Tributaries Crossing Improvement Study	Study crossings in the Hurricane Creek - Mill Creek sub-watershed (including Overhill Rd, Mill Creek Run, Magnolia Dr, Oak Forest Dr, Greenway Dr, Inwood Rd, Greenbriar Dr, Deerwood Dr, Vernadel Dr, CR 354, CR 351, CR 201, and more) to improve culverts	06000001, 06000011, 06000012, 06000015	Grimes	12040102
061000663	Birch Creek - Walnut Creek and Tributaries Crossing Improvement Study	Study crossings in Birch Creek - Walnut Creek sub-watershed (various roads) to improve culverts.	06000001, 06000011, 06000012, 06000015	Grimes	12040102

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	HUC12s	Watershed Names	FME Study Type	FME Study Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
061000661	Town of Dobbin - Lake Creek and Tributaries Crossing Improvement Study	120401010304, 120401010306, 120401020207, 120401020206	06000015, 06000016, 06000017, 06000039, 06000038	Project Planning	13.39	Riverine	Grimes County	Montgomery, Grimes, Plantersville, San Jacinto Region Boundary, Brazos Valley Council of Governments, San Jacinto River Authority, Houston-Galveston Area Council
061000662	Hurricane Creek - Mill Creek and Tributaries Crossing Improvement Study	120401010305, 120401010306, 120401020203, 120401020207, 120401020206, 120701010802, 120701010803	06000016, 06000017, 06000035, 06000039, 06000038	Project Planning	25.21	Riverine	Grimes County	Waller, Montgomery, Grimes, Plantersville, Todd Mission, San Jacinto Region Boundary, Brazos Valley Council of Governments, San Jacinto River Authority, Brazos River Authority, Houston-Galveston Area Council, Magnolia Woods MUD 1, Magnolia Woods MUD 1
061000663	Birch Creek - Walnut Creek and Tributaries Crossing Improvement Study	120401020202, 120401020203, 120401020206, 120701010803	06000034, 06000035, 06000038	Project Planning	17.06	Riverine	Grimes County	Waller, Grimes, Todd Mission, San Jacinto Region Boundary, Brazos Valley Council of Governments, San Jacinto River Authority, Brazos River Authority, Houston-Galveston Area Council

Appendix 5-6: Table 15 - Flood Management Evaluations Recommended by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
061000661	Town of Dobbin - Lake Creek and Tributaries Crossing Improvement Study	No	$266,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000662	Hurricane Creek - Mill Creek and Tributaries Crossing Improvement Study	No	$254,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.
061000663	Birch Creek - Walnut Creek and Tributaries Crossing Improvement Study	No	$296,000.00	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-7:

Table 16- Recommended FMPs

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties	HUC8s
063000026	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	The LCC Alt. Combination 3 as proposed as part of the LCCDBFMP (2021), including detention channel benching, a diversion tunnel, capacity improvements, and an auxiliary opening.	06000001, 06000005, 06000006, 06000011, 06000012, 06000015	Brazoria, Galveston, Harris	12040204
063000027	Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown	Projects submitted as part of the CDBG MIT grant in the Brays Bayou Watershed which include regional channel and detention projects including D133 (Bintliff Ditch) and Sharpstown Drainage.	06000001, 06000005, 06000006, 06000011, 06000012, 06000015	Harris	12040104
063000037	Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00	Projects submitted as part of the CDBG MIT grant in the Sims Bayou Watershed which include three (3) regional channel and detention projects including C147/C547, Saltwater Ditch, and C506.	06000001, 06000005, 06000006, 06000011, 06000012, 06000015	Fort Bend, Harris	12040204,12040104
063000040	Halls Bayou Watershed Mitigation Application 1 - CDBG MIT	Projects submitted as part of the CDBG MIT grant in Halls Bayou which include five (5) regional channel and detention projects including C-28, C-41 Hardy West, C-41 Mainstem, C-30, and C-23.	06000001, 06000005, 06000006, 06000011, 06000015	Harris	12040104
063000046	White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak	Projects submitted as part of the CDBG MIT grant in the White Oak Bayou Watershed which include five (5) regional channel and detention projects including Kolbe Road, Barwood, E132-00-00, Tower Oaks, & Little White Oak Bayous.	06000001, 06000005, 06000006, 06000011, 06000015	Harris	12040102,12040104
063000056	Mary's Creek Lower, Middle, and Upper Segment	A part of the Pearland Master Drainage Plan (2019), this channel improvement alternative includes channel benching to increase conveyance capacity, bridge/culvert replacement to remove hydraulic restrictions, and regional detention to provide mitigation.	06000001, 06000011, 06000012, 06000015	Brazoria, Galveston	12040204
063000058	Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105	Reduce flooding in the Caney Creek Watershed by implementing channel improvements to increase capacity and regional detention to reduce discharges. Channel improvements must be constructed with one, or both, of the recommended detention facilities.	06000001, 06000005, 06000006, 06000011, 06000012, 06000015	Harris, Liberty, Montgomery, San Jacinto, Walker	12040103
063000059	East Fork San Jacinto River - Winters Bayou Detention	Design, land acquisition, and construction of a dry dam on Winters Bayou to reduce flooding in the East Fork watershed, capturing runoff and mitigating flood risk.	06000001, 06000003, 06000004, 06000011, 06000012, 06000015	Harris, Liberty, Montgomery, San Jacinto, Walker	12040103
063000060	Lake Creek - Detention on Garretts Creek, Little Caney Creek, & Caney Creek	The goal of the detention ponds is to reduce flooding in the Lake Creek and West Fork watersheds by constructing earthen impoundments that captures runoff from Garrett's Creek, Caney Creek, & Little Caney Creek.	06000001, 06000003, 06000004, 06000015	Montgomery, Grimes	12040101
063000061	Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek	Reduce flooding in the Peach Creek Watershed by implementing channel improvements to increase capacity and regional detention to provide storage. Channel improvements must be constructed with one, or both, of the recommended detention facilities.	06000001, 06000003, 06000004, 06000005, 06000006, 06000011, 06000012, 06000015	Liberty, Montgomery, San Jacinto, Walker	12040103
063000062	Spring Creek - Woodland (200-ft) and I-45 Channelization with detention at Birch Creek and Walnut Creek	8.9-mile, 200-feet-wide benched improvement 4-feet above the flowline of Woodlands channel and 6.9-mile, 300-foot-wide benched improvement 4 feet above I-45 channel. Must be completed with detention on Birch Creek and Walnut Creek.	06000001, 06000003, 06000004, 06000005, 06000006, 06000011, 06000012, 06000015	Harris, Waller, Montgomery, Grimes	12040101,12040102,12040104

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	HUC12s	Watershed Name	Project Type
063000026	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	120402040200, 120402040100	06000107, 06000107, 06000106	Comprehensive
063000027	Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown	120401040401	06000083, 06000083	Comprehensive
063000037	Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00	120401040703, 120401040402, 120401040502, 120401040501, 120402040400, 120402040100	06000095, 06000095, 06000084, 06000086, 06000085, 06000109, 06000106	Comprehensive
063000040	Halls Bayou Watershed Mitigation Application 1 - CDBG MIT	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091, 06000091, 06000087, 06000079, 06000090, 06000092, 06000081, 06000089, 06000093	Comprehensive
063000046	White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak	120401020104, 120401020106, 120401040601, 120401040305, 120401040302, 120401040604, 120401040303, 120401040304, 120401040301, 120401040701	06000029, 06000029, 06000031, 06000087, 06000082, 06000079, 06000090, 06000080, 06000081, 06000078, 06000093	Comprehensive
063000056	Mary's Creek Lower, Middle, and Upper Segment	120402040100	06000106	Comprehensive
063000058	Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105	99999	99999	Comprehensive
063000059	East Fork San Jacinto River - Winters Bayou Detention	99999	99999	Detention Pond
063000060	Lake Creek - Detention on Garretts Creek, Little Caney Creek, & Caney Creek	120401010101, 120401010301, 120401010302, 120401010303, 120401010103, 120401010203, 120401010304, 120401010205	06000001, 06000001, 06000012, 06000013, 06000014, 06000003, 06000007, 06000015, 06000009	Detention Pond
063000061	Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek	120401030110, 120401030102, 120401030108, 120401030101, 120401030103, 120401030105, 120401030106, 120401030107, 120401030109, 120401030402, 120401030303, 120401030304, 120401030401	06000055, 06000055, 06000047, 06000053, 06000046, 06000048, 06000050, 06000051, 06000052, 06000054, 06000070, 06000063, 06000064, 06000069	Comprehensive
063000062	Spring Creek - Woodland (200-ft) and I-45 Channelization with detention at Birch Creek and Walnut Creek	120401030110, 120401030102, 120401030108, 120401030101, 120401030103, 120401030105, 120401030106, 120401030107, 120401030109, 120401030402, 120401030303, 120401030304, 120401030401	06000055, 06000016, 06000017, 06000018, 06000019, 06000020, 06000021, 06000024, 06000023, 06000036, 06000026, 06000030, 06000032, 06000033, 06000034, 06000035, 06000037, 06000039, 06000038, 06000042, 06000040, 06000041, 06000043, 06000044, 06000045, 06000088	Comprehensive

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
063000026	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	109.51	Riverine	City of League City	Brazoria County, Galveston County , Harris County, Harris County Flood Control District (HCFCD)	No
063000027	Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown	128.21	Riverine	Harris County Flood Control District (HCFCD)	Harris County, Harris County Flood Control District (HCFCD), Houston	Yes
063000037	Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00	93.21	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County, Harris County Flood Control District (HCFCD), Houston	Yes
063000040	Halls Bayou Watershed Mitigation Application 1 - CDBG MIT	44.45	Riverine	Harris County Flood Control District (HCFCD)	Harris County, Houston-Galveston County Area Council, Harris County Flood Control District (HCFCD), Houston, Gulf Coast Protection District	Yes
063000046	White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak	110.71	Urban/Local	Harris County Flood Control District (HCFCD)	Harris County, Harris County Flood Control District (HCFCD), Jersey Village, Houston	Yes
063000056	Mary's Creek Lower, Middle, and Upper Segment	17.20	Riverine	City of Pearland	Brazoria County, Pearland, Friendswood, Galveston County , West Brazoria County Drainage District	No
063000058	Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105	370.50	Riverine	Montgomery County	Montgomery County, San Jacinto River Authority, Harris County Flood Control District (HCFCD)	Yes
063000059	East Fork San Jacinto River - Winters Bayou Detention	408.79	Riverine	San Jacinto County	San Jacinto County, San Jacinto River Authority, Harris County Flood Control District (HCFCD)	No
063000060	Lake Creek - Detention on Garretts Creek, Little Caney Creek, & Caney Creek	103.90	Riverine	Montgomery County	Montgomery County, Grimes County, San Jacinto River Authority, City og Houston, Harris County Flood Control District (HCFCD)	Yes
063000061	Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek	157.95	Riverine	Montgomery County	Montgomery County, San Jacinto County, San Jacinto River Authority	Yes
063000062	Spring Creek - Woodland (200-ft) and I-45 Channelization with detention at Birch Creek and Walnut Creek	386.26	Riverine	San Jacinto River Authority	Harris County, Montgomery County, San Jacinto River Authority, Harris County Flood Control District (HCFCD)	Yes

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Cost/Structure removed	Percent Nature-Based Solution (by cost)	Negative Impact (Y/N)
063000026	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	$ 1,150,000,000.00		$1,262,349.13	0	No
063000027	Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown	$ 107,061,000.00		$669,131.25	0	No
063000037	Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00	$ 99,653,000.00		$43,650.03	0	No
063000040	Halls Bayou Watershed Mitigation Application 1 - CDBG MIT	$ 99,653,000.00		$32,964.94	0	No
063000046	White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak	$ 120,015,000.00		$179,126.88	0	No
063000056	Mary's Creek Lower, Middle, and Upper Segment	$ 154,040,000.00		$66,282.28	0	No
063000058	Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105	$ 469,000,000.00	TWDB FIF grants, GLO	$361,603.72	0	No
063000059	East Fork San Jacinto River - Winters Bayou Detention	$ 167,000,000.00	TWDB, GLO	$205,837.19	0	No
063000060	Lake Creek - Detention on Garretts Creek, Little Caney Creek, & Caney Creek	$ 291,000,000.00	TWDB, GLO	$819,718.31	0	No
063000061	Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek	$ 810,000,000.00	TWDB, GLO	$706,806.31	0	No
063000062	Spring Creek - Woodland (200-ft) and I-45 Channelization with detention at Birch Creek and Walnut Creek	$ 393,000,000.00	TWDB, GLO, FEMA, USACE	$71,728.42	0	No

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	BCR	Social Vulnerability Index (SVI)	RFPG Recommendation (Y/N)	Reason for Recommendation
063000026	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	No	No	0.06	0.33	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000027	Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown	No	No	0.13	0.76	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000037	Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00	No	No	1.80	0.80	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000040	Halls Bayou Watershed Mitigation Application 1 - CDBG MIT	No	No	1.46	0.78	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000046	White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak	No	No	0.80	0.92	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000056	Mary's Creek Lower, Middle, and Upper Segment	No	No	0.16	0.18	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000058	Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105	No	No	0.30	0.55	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000059	East Fork San Jacinto River - Winters Bayou Detention	No	No	0.38	0.60	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000060	Lake Creek - Detention on Garretts Creek, Little Caney Creek, & Caney Creek	No	No	0.26	0.17	No	FMP has been split into individual projects.
063000061	Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek	No	No	0.26	0.59	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000062	Spring Creek - Woodland (200-ft) and I-45 Channelization with detention at Birch Creek and Walnut Creek	No	No	0.73	0.17	No	FMP has been split into individual projects.

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties	HUC8s
063000064	West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	Reduce flooding in the West Fork San Jacinto River Watershed by implementing channel improvements to increase capacity. Channel improvements must be constructed with one, or multiple, of the Lake Creek and Spring Creek detention facilities listed as indiv	06000001, 06000003, 06000004, 06000011, 06000012, 06000015	Harris, Montgomery	12040104,12040103,12040102,12040101,12040203
063000065	G103-05-00 St. Charles Place Project S-3	8-ft by 4-ft RCB storm sewer is proposed east of the SJRA canal starting at the intersection of Saint Cecilia and Zinn Drive, extending southward for roughly 1400 feet, and ending at the location of the existing Siphon 21 at tributary G103-05-00	06000001,06000011,06000012,06000015	Harris	12040104
063000066	G103-05-02.1 Arcadian Gardens Project, alt S-4	The Holly Road storm sewer is an 8-ft by 2-ft RCB, starting at Cypress Drive and extending 920 feet south to Tributary G103-05-02.1. The channel modification is a 5-ft deep channel extending 500 feet west, with an 8-ft bottom width and 4H:1V side slope	06000001,06000003,06000004,06000015	Harris	12040104
063000067	G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1	Storm sewer is 12ft x 3ft RCB- at Jean Lafitte Dr extending W to Sandman Ave then along Milo Dr outfalling to FM 1942 proposed system. FM 1942 is 15ft x 6ft RCB @ Jean Lafitte Dr extending E to Crosby Lynchburg Rd and outfalling to G103-09-01	06000001,06000003,06000004,06000015	Harris	12040104
063000068	G103-07-00 Sheldon Area Project, PA4	The project would involve channel conveyance improvements along tributaries G103-07-00 and G103-07-02. Both channel segments are proposed to be widened, deepened, and concrete lined	06000001,06000011,06000012,06000015	Harris	12040104
063000069	G103-24-00 Atascocita Area Project, PA1	PA1 involves culvert and channel conveyance improvements along tributary G103-24-00 in the Atascocita area.	06000001,06000003,06000004,06000011,06000012,06000015	Harris	12040101, 12040104
063000070	Q130-00-00 Channel Improvement PER and Design, alternative 3	Alternative 3 proposes 3,300 linear feet of a natural stable channel design improvements and two detention basins.	06000001,06000015	Harris, Liberty	12040203

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	HUC12s	Watershed Name	Project Type
063000064	West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	120401010502, 120401010501, 120401010404, 120401020213, 120401030110, 120401030402, 120401040705, 120401040702, 120401040602, 120401040704, 120402030104, 120402030102	06000025, 06000025, 06000024, 06000023, 06000045, 06000055, 06000070, 06000097, 06000094, 06000088, 06000096, 06000102, 06000100	Channel
063000065	G103-05-00 St. Charles Place Project S-3	120401040704	06000096	Infrastructure
063000066	G103-05-02.1 Arcadian Gardens Project, alt S-4	120401040704	06000096	Comprehensive
063000067	G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1	120401040704	06000096	Infrastructure
063000068	G103-07-00 Sheldon Area Project, PA4	120401040702, 120401040704	06000094, 06000096	Channel
063000069	G103-24-00 Atascocita Area Project, PA1	120401010502, 120401010501, 120401040602	06000025, 06000024, 06000088	Comprehensive
063000070	Q130-00-00 Channel Improvement PER and Design, alternative 3	120402030103, 120402030102	06000101, 06000100	Comprehensive

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
063000064	West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	179.92	Riverine	Harris County Flood Control District (HCFCD)	Harris County, Montgomery County, San Jacinto River Authority, Harris County Flood Control District (HCFCD), Houston	No
063000065	G103-05-00 St. Charles Place Project S-3	55.32	Urban/Local	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Harris County MUD 50, Lago Bello MUD 1, Gulf Coast Protection District	Yes
063000066	G103-05-02.1 Arcadian Gardens Project, alt S-4	55.32	Riverine	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Harris County MUD 50, Arcadian Gardens MUD, Gulf Coast Protection District	No
063000067	G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1	55.32	Urban/Local	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Harris County MUD 50, Lago Bello MUD 1, Gulf Coast Protection District	No
063000068	G103-07-00 Sheldon Area Project, PA4	4.91	Riverine	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Northeast Harris County MUD 1, Coastal Water Authority, Sheldon Road MUD, Gulf Coast Protection District	Yes
063000069	G103-24-00 Atascocita Area Project, PA1	4.40	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Harris County MUD 106, Harris County MUD 153, Harris County MUD 132, Harris County MUD 152, Harris County MUD 151, Harris County MUD 494, Harris County MUD 109, Gulf Coast Protection District	Yes
063000070	Q130-00-00 Channel Improvement PER and Design, alternative 3	3.44	Riverine	Harris County Flood Control District (HCFCD)	Harris, Liberty, San Jacinto Region Boundary, Liberty County Drainage District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Harris County MUD 554, Trinity River Authority of Texas, Gulf Coast Protection District	No

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Cost/Structure removed	Percent Nature-Based Solution (by cost)	Negative Impact (Y/N)
063000064	West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	$ 994,000,000.00	TWDB, GLO	$606,837.63	0	No
063000065	G103-05-00 St. Charles Place Project S-3	$ 2,019,000.00		$288,428.59	0	No
063000066	G103-05-02.1 Arcadian Gardens Project, alt S-4	$ 1,245,000.00		$10,289.26	0	No
063000067	G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1	$ 8,798,000.00		$53,646.34	0	No
063000068	G103-07-00 Sheldon Area Project, PA4	$ 29,081,000.00		$372,833.34	0	No
063000069	G103-24-00 Atascocita Area Project, PA1	$ 16,137,000.00		$94,923.53	0	No
063000070	Q130-00-00 Channel Improvement PER and Design, alternative 3	$ 14,497,000.00		$233,822.58	0	No

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	BCR	Social Vulnerability Index (SVI)	RFPG Recommendation (Y/N)	Reason for Recommendation
063000064	West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	No	No	0.10	0.25	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000065	G103-05-00 St. Charles Place Project S-3	No	No	0.68	0.75	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000066	G103-05-02.1 Arcadian Gardens Project, alt S-4	No	No	1.32	0.75	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000067	G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1	No	No	0.59	0.75	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000068	G103-07-00 Sheldon Area Project, PA4	No	No	0.09	0.62	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000069	G103-24-00 Atascocita Area Project, PA1	No	No	0.56	0.13	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000070	Q130-00-00 Channel Improvement PER and Design, alternative 3	No	No	0.02	0.25	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties	HUC8s
063000071	Preliminary Engineering Study for Q122-00-00	Excavation of two (2) stormwater detention basins on and offline of channel Q122-00-00.	06000001,06000003,06000004,06000015	Chambers, Harris	12040104, 12040203
063000072	TLV Drainage Improvement Project	Replaces undersized drainage systems along Honey Oaks, Manorfield, Laurel Grove, and Forest Lake Drives, outfalling to Armand Bayou. Honey Oaks upsized to 60” RCP; Manorfield and Forest Lake to 36”-60” RCP; Laurel Grove and Forest Lake to 48”-60” RCP.	06000001,06000015	Harris	12040204
063000073	Bear/Panther Branch Drainage Improvements project	The proposed drainage improvements aim to reduce flood extents and increase mobility during large rain events by widening channels on Bear Branch and Panther Branch, clearing overbank areas, and adding inline detention basins for floodplain storage	06000001,06000003,06000004,06000011,06000012,06000015	Montgomery	12040102
063000074	Cypress Ditch Conveyance Improvement Project	The conveyance capacity of Cypress Ditch will be increased with a 117-acre-foot (South Pond) and a 50-acre-foot (North Pond) detention facility, connected by four 48-inch reinforced concrete equalizer pipes at each pond connection	06000001,06000003,06000004,06000015	Harris	12040104
063000076	P125-00-00 Flood Risk Reduction Project Bundle, project 1	ROW Acquisition, Design, and Construction of Two Flood Risk Reduction Projects on P125-00-00, P125-04-00 and P125-03-00 (2018 Bond Project Z-03)	06000001,06000003,06000004,06000011,06000012,06000015	Harris	12040104
063000077	P126-00-00 Flood Risk Reduction Project, project 3	Phase 1 provides detention mitigation for channel-wide improvements in Phase 2. Phase 2 addresses out-of-bank flooding and overflow by increasing P126-00-00 channel-wide system capacity and conveyance.	06000001,06000003,06000004,06000011,06000012,06000015	Harris	12040104

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	HUC12s	Watershed Name	Project Type
063000071	Preliminary Engineering Study for Q122-00-00	120402030104, 120401040705, 120401040704	06000097, 06000096, 06000102	Detention Pond
063000072	TLV Drainage Improvement Project	120402040100	06000106	Infrastructure
063000073	Bear/Panther Branch Drainage Improvements project	120401020209, 120401020211, 120401020212	06000041, 06000043, 06000044	Comprehensive
063000074	Cypress Ditch Conveyance Improvement Project	120401040401, 120401040402	06000084, 06000083	Channel
063000076	P125-00-00 Flood Risk Reduction Project Bundle, project 1	120401040604, 120401040605	06000091, 06000090	Comprehensive
063000077	P126-00-00 Flood Risk Reduction Project, project 3	120401040604, 120401040605	06000091, 06000090	Channel

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
063000071	Preliminary Engineering Study for Q122-00-00	8.54	Riverine	Harris County Flood Control District (HCFCD)	Chambers, Harris, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Harris County MUD 50, Harris County MUD 213, Baytown Area Water Authority, Lago Bello MUD 1, Harris County MUD 555, Trinity River Authority of Texas, Gulf Coast Protection District	No
063000072	TLV Drainage Improvement Project	0.53	Urban/Local	City of Taylor Lake Village	Harris, El Lago, Pasadena, Taylor Lake Village, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Clear Lake City Water Authority, Coastal Water Authority, Gulf Coast Protection District	No
063000073	Bear/Panther Branch Drainage Improvements project	6.16	Riverine	San Jacinto River Authority	Montgomery, Conroe, Woodlands Water Agency, The Woodlands, San Jacinto Region Boundary, San Jacinto River Authority, Houston-Galveston Area Council, Montgomery County MUD 85, The Woodlands MUD 1, Montgomery County MUD 68, Montgomery County MUD 7, The Woodlands Metro Center MUD, Montgomery County MUD 86, Montgomery County MUD 66, Montgomery County MUD 46, Montgomery County MUD 47, Montgomery County MUD 67, Montgomery County MUD 60	Yes
063000074	Cypress Ditch Conveyance Improvement Project	1.59	Riverine	City of Bellaire	Harris, Houston, Bellaire, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	No
063000076	P125-00-00 Flood Risk Reduction Project Bundle, project 1	3.83	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Harris County MUD 439, Coastal Water Authority, Gulf Coast Protection District	Yes
063000077	P126-00-00 Flood Risk Reduction Project, project 3	3.83	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Harris County MUD 439, Coastal Water Authority, Gulf Coast Protection District	Yes

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Cost/Structure removed	Percent Nature-Based Solution (by cost)	Negative Impact (Y/N)
063000071	Preliminary Engineering Study for Q122-00-00	$ 16,153,000.00		$85,465.61	0	No
063000072	TLV Drainage Improvement Project	$ 6,130,000.00		$1,226,000.00	0	No
063000073	Bear/Panther Branch Drainage Improvements project	$ 23,567,000.00		$190,056.45	0	No
063000074	Cypress Ditch Conveyance Improvement Project	$ 75,916,000.00		$2,530,533.25	0	No
063000076	P125-00-00 Flood Risk Reduction Project Bundle, project 1	$ 46,273,000.00		$103,057.91	0	No
063000077	P126-00-00 Flood Risk Reduction Project, project 3	$ 78,753,000.00		$226,301.72	0	No

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	BCR	Social Vulnerability Index (SVI)	RFPG Recommendation (Y/N)	Reason for Recommendation
063000071	Preliminary Engineering Study for Q122-00-00	No	No	0.03	0.74	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000072	TLV Drainage Improvement Project	No	No	2.08	0.12	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000073	Bear/Panther Branch Drainage Improvements project	No	No	1.90	0.02	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000074	Cypress Ditch Conveyance Improvement Project	No	No	2.30	0.03	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000076	P125-00-00 Flood Risk Reduction Project Bundle, project 1	No	No	0.65	0.87	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000077	P126-00-00 Flood Risk Reduction Project, project 3	No	No	0.76	0.87	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties	HUC8s
063000078	G103-09-01 Barrett Settlement and St. Charles Place Project S-2	12x4ft RCB from FM 1942 extends to 5ft deep, 10ft bottom channel then to 12x6ft RCB. 12x5ft RCB from Saint Cecilia & Zinn D extends N to new siphon. 15x6ft RCB along Barrett Rd extends W to 12ft deep, 16ft bottom channel to new storm sewer to G103-09-01	06000001,06000003,06000004,06000015	Harris	12040104
063000079	E116-00-00 Flood Risk Reduction Project Phase 2	E116-05-03 channel lining, larger culverts, micro-detention in medians, storm sewers connecting median sections. E116-05-00 siltation removal, upsize box culverts, storm drainage expansion. E116-00-00 widening, upsize culvert, south detention enlargement	06000001,06000015	Harris	12040104
063000080	Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets	Phase 1 improvements involve constructing inflow structures, outfall structure, and the wet-bottom portion of the ultimate basin configuration.	06000001,06000015	Harris	12040203
063000081	Saltwater Ditch Subwatershed Flood Risk Reduction Project	Harris County Public Infrastructure Department (HCPID) is proposing to improve the Salt Water Ditch (HCFCD Unit # C118-00-00) from just east of Calhoun Road downstream to the channel outlet at Sims Bayou (HCFCD Unit # C100-00-00)	06000001,06000015	Harris	12040104
063000082	Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1	1,130 feet of channel improvements between XS 217125 and 216288, and an 82 ac-ft detention basin on a vacant lot for sale east of the channel	06000001,06000015	Harris	12040103, 12040203
063000083	City of Houston Southland Drainage Improvements	The project would involves upsizing storm sewer where necessary to reduce overland ponding within the project area and proposed pond.	06000001,06000003,06000004,06000011,06000012,06000015	Harris	12040104
063000084	Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1	The project would involve five proposed detention basins (WP-01, WP-02, WP-03, WP-04 and WP-05) and two sections of channel improvements adjacent to WP-01 and WP-05.	06000001,06000015	Harris	12040104, 12040204

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	HUC12s	Watershed Name	Project Type
~~063000078~~	G103-09-01 Barrett Settlement and St. Charles Place Project S-2	120401040704	06000096	Infrastructure
063000079	E116-00-00 Flood Risk Reduction Project Phase 2	120401040304, 120401040302	06000079, 06000081	Comprehensive
063000080	Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets	120402030102	06000100	Infrastructure
063000081	Saltwater Ditch Subwatershed Flood Risk Reduction Project	120401040502	06000086	Channel
063000082	Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1	120401030205, 120402030102	06000060, 06000100	Comprehensive
063000083	City of Houston Southland Drainage Improvements	120401040402	06000084	Comprehensive
063000084	Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1	120402040100, 120401040502, 120401040703	06000095, 06000086, 06000106	Comprehensive

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
~~063000078~~	G103-09-01 Barrett Settlement and St. Charles Place Project S-2	55.32	Riverine	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Harris County MUD 50, Gulf Coast Protection District	No
063000079	E116-00-00 Flood Risk Reduction Project Phase 2	0.70	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	No
063000080	Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets	37.05	Riverine	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Harris County MUD 557, Coastal Water Authority, Gulf Coast Protection District	No
063000081	Saltwater Ditch Subwatershed Flood Risk Reduction Project	2.27	Riverine	Harris County Flood Control District (HCFCD)	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Harris County Improvement District 20, Coastal Water Authority, Harris County Improvement District 10A, Gulf Coast Protection District	No
063000082	Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1	3.07	Riverine	Harris County Flood Control District (HCFCD)	Harris, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Pine Bough PUD, Harris-Liberty Counties MUD 1, Robin PUD, Harris County MUD 506, Gulf Coast Protection District, Liberty County Water Control District 1	No
063000083	City of Houston Southland Drainage Improvements	0.99	Urban/Local	City of Houston	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Greater Southeast Management District, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	Yes
063000084	Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1	16.18	Riverine	Harris County Flood Control District (HCFCD)	Harris, South Houston, Houston, Pasadena, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	No

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Cost/Structure removed	Percent Nature-Based Solution (by cost)	Negative Impact (Y/N)
~~063000078~~	G103-09-01 Barrett Settlement and St. Charles Place Project S-2	$ 21,056,000.00		$92,757.71	0	No
063000079	E116-00-00 Flood Risk Reduction Project Phase 2	$ 22,852,000.00		$7,617,333.50	0	No
063000080	Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets	$ 14,984,000.00		$0.00	0	No
063000081	Saltwater Ditch Subwatershed Flood Risk Reduction Project	$ 101,097,000.00		$0.00	0	No
063000082	Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1	$ 7,704,000.00		$7,704,000.00	0	No
063000083	City of Houston Southland Drainage Improvements	$ 28,950,000.00		$615,957.44	0	No
063000084	Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1	$ 27,776,000.00		$1,262,545.50	0	No

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	BCR	Social Vulnerability Index (SVI)	RFPG Recommendation (Y/N)	Reason for Recommendation
063000078	G103-09-01 Barrett Settlement and St. Charles Place Project S-2	No	No	0.41	0.75	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000079	E116-00-00 Flood Risk Reduction Project Phase 2	No	No	0.50	0.77	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000080	Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets	No	No	0.14	0.37	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000081	Saltwater Ditch Subwatershed Flood Risk Reduction Project	No	No	0.55	0.76	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000082	Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1	No	No	0.09	0.37	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000083	City of Houston Southland Drainage Improvements	No	No	0.00	0.62	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000084	Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1	No	No	0.09	0.82	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties	HUC8s
063000085	C106 - FMS, FMN, GT Alt 7	Places 4-12x12 RCBs in C106-10-00 and C106-10-01 channels from Theta St to C106-00-00, and a bypass along Hartsook Rd with 2-8x4 RCBs. Provides additional storage and optimizes channel WSEs for maximum benefit to neighborhoods	06000001,06000011,06000012,06000015	Harris	12040104
063000086	City of Houston Westbury CIP Project	Westbury CIP Project includes replacing/upsizing storm sewers & inlets for 2-year storm flows. A parcel on Beaudry Dr. will be used for a new outfall to Willow Waterhole Bayou, reducing flow to Hillcroft St. HCFCD Unit D140-05-02 to have 2yr capacity	06000001,06000011,06000012,06000015	Harris	12040104
063000087	City of Houston Kirkwood/Nottingham Drainage Improvements	4,000 LF of 8'x10' Box Culvert (7.35 ac-ft), 24,700 LF of 78" RCP (18.80 ac-ft), and a 3.81 ac (total property required) Detention Pond (22.45 ac-ft)	06000001,06000003,06000004,06000015	Harris	12040104
063000088	City of Houston Spring Shadow South Drainage Imporvements	Upgrade drainage system and adding inline-detention Storage.	06000001,06000015	Harris	12040104
063000089	Q128-00-00 Channel Conveyance Improvements	Bench Excavation Channel design from Adlong School Rd bridge to 1.4 miles downstream of Q128-00-00 for a 5-yr system capacity. Downstream improvements transition to existing channel, containing the 5-yr WSEL within the channel without overbank spilling	06000001,06000015	Harris, Liberty	12040104, 12040203
063000090	City of Houston Richmond Plaza Drainage Improvements	Reduces 10-year ponding within Houston's ROW & includes detention. The lowered field area remains a multi-use park/detention. It includes storm sewer improvements, including an 8x8-ft line along Chimney Rock Rd with a restrictor	06000001,06000015	Harris	12040104
063000091	City of Houston Huntington Village Drainage Improvements	Project provides for design and construction of storm drainage improvements, necessary concrete paving for street replacement, curbs, sidewalks, driveways, and street lights to serve the Huntington Village subdivisions	06000001,06000015	Fort Bend, Harris	12040104

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	HUC12s	Watershed Name	Project Type
063000085	C106 - FMS, FMN, GT Alt 7	120401040502	06000086	Infrastructure
063000086	City of Houston Westbury CIP Project	120401040401	06000083	Comprehensive
063000087	City of Houston Kirkwood/Nottingham Drainage Improvements	120401040303	06000080	Infrastructure
063000088	City of Houston Spring Shadow South Drainage Imporvements	120401040303, 120401040302	06000079, 06000080	Infrastructure
063000089	Q128-00-00 Channel Conveyance Improvements	120402030103, 120402030104, 120402030102, 120401040704	06000096, 06000102, 06000101, 06000100	Channel
063000090	City of Houston Richmond Plaza Drainage Improvements	120401040401	06000083	Infrastructure
063000091	City of Houston Huntington Village Drainage Improvements	120401040401	06000083	Infrastructure

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
063000085	C106 - FMS, FMN, GT Alt 7	0.44	Riverine	City of Houston	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	Yes
063000086	City of Houston Westbury CIP Project	0.87	Urban/Local	City of Houston	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Harris County Improvement District 5, Coastal Water Authority, Gulf Coast Protection District	Yes
063000087	City of Houston Kirkwood/Nottingham Drainage Improvements	0.37	Riverine	City of Houston	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	No
063000088	City of Houston Spring Shadow South Drainage Imporvements	0.79	Urban/Local	City of Houston	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Spring Branch Management District, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	No
063000089	Q128-00-00 Channel Conveyance Improvements	11.46	Riverine	Harris County Flood Control District (HCFCD)	Harris, Liberty, San Jacinto Region Boundary, Liberty County Drainage District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Harris County MUD 554, Trinity River Authority of Texas, Gulf Coast Protection District, Liberty County Water Control District 1	No
063000090	City of Houston Richmond Plaza Drainage Improvements	0.17	Urban/Local	City of Houston	Harris, Houston, Bellaire, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	No
063000091	City of Houston Huntington Village Drainage Improvements	0.68	Urban/Local	City of Houston	Fort Bend, Harris, Houston, San Jacinto Region Boundary, San Jacinto River Authority, Fort Bend County Drainage District, Gulf Coast Waste Disposal Authority, International Management District, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Gulf Coast Protection District	No

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Cost/Structure removed	Percent Nature-Based Solution (by cost)	Negative Impact (Y/N)
063000085	C106 - FMS, FMN, GT Alt 7	$ 55,175,000.00		$124,548.53	0	No
063000086	City of Houston Westbury CIP Project	$ 125,225,000.00		$564,076.56	0	No
063000087	City of Houston Kirkwood/Nottingham Drainage Improvements	$ 40,226,000.00		$117,619.88	0	No
063000088	City of Houston Spring Shadow South Drainage Imporvements	$ 20,676,000.00		$492,285.72	0	No
063000089	Q128-00-00 Channel Conveyance Improvements	$ 21,671,000.00		$1,667,000.00	0	No
063000090	City of Houston Richmond Plaza Drainage Improvements	$ 58,660,000.00		$5,866,000.00	0	No
063000091	City of Houston Huntington Village Drainage Improvements	$ 30,247,000.00		$756,175.00	0	No

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	BCR	Social Vulnerability Index (SVI)	RFPG Recommendation (Y/N)	Reason for Recommendation
063000085	C106 - FMS, FMN, GT Alt 7	No	No	0.10	0.83	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000086	City of Houston Westbury CIP Project	No	No	0.10	0.43	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000087	City of Houston Kirkwood/Nottingham Drainage Improvements	No	No	0.80	0.29	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000088	City of Houston Spring Shadow South Drainage Imporvements	No	No	0.10	0.76	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000089	Q128-00-00 Channel Conveyance Improvements	No	No	1.02	0.52	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000090	City of Houston Richmond Plaza Drainage Improvements	No	No	0.50	0.91	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000091	City of Houston Huntington Village Drainage Improvements	No	No	0.00	0.68	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties	HUC8s
063000092	Scott Street - OST to Brays Projects 1,2,and 3	5 RR Crossing Improvements, Kuhlman Gully US expansion, Kuhlman Gully DS pond, Griggs Pond. Improvements to OST/Griggs, Cullen, Scott St, Calhoun Pond, Mainer St, drainage easement, St Augustine, Dixie Dr, Rebecca St Pond & Beech White Park Pond	06000001,06000011,06000012,06000015	Harris	12040104
063000093	Lake Creek - Garrett's Creek Detention	Design, land acquisition, and construction of a dry dam on Garrett's Creek to provide 16,850 acre-feet of storage during storm events and mitigate flood risk along Lake Creek.	06000001,06000003,06000004,06000015	Montgomery,Grimes	12040101
063000094	Lake Creek - Little Caney Creek Detention	Design, land acquisition, and construction of a dry dam on Little Caney Creek to provide 17,500 acre-feet of storage during storm events and mitigate flood risk along Lake Creek.	06000001,06000003,06000004,06000015	Montgomery,Grimes	12040101
063000095	Spring Creek I-45 Channelization	Design, land acquisition, and construction of channel conveyance improvements on Spring Creek from I-45 to approximately 4 miles downstream of Riley Fuzzel Road to increase conveyance capacity.	06000001,06000003,06000004,06000011,06000012,06000015	Harris, Waller, Montgomery, Grimes	12040101, 12040102, 12040104, 12070101, 12070104
063000096	Spring Creek Walnut Creek Detention	Design, land acquisition, and construction of dry dam detention facility on Walnut, to provide approximately 7,200 acre-ft of storage during storm events and reduce flood risk on Spring Creek.	06000001,06000003,06000004,06000011,06000012,06000015	Harris, Waller, Montgomery, Grimes	12040101, 12040102, 12040104, 12070101, 12070104
063000097	Spring Creek Woodlands Channelization (200-ft)	Design, land acquisition, and construction of channel conveyance improvements on Spring Creek from Kuykendahl Road to Willow Creek confluence to increase conveyance capacity.	06000001,06000003,06000004,06000011,06000012,06000015	Harris, Waller, Montgomery, Grimes	12040101, 12040102, 12040104, 12070101, 12070104
063000098	Lake Creek - Caney Creek Detention	Design, land acquisition, and construction of a dry dam on Caney Creek to reduce flooding, provide 19,750 acre-feet of storage during storm events, and mitigate flood risk along Caney and Lake Creek.	06000001,06000003,06000004,06000015	Montgomery,Grimes	12040101
063000099	Spring Creek Birch Creek Detention	Design, land acquisition, and construction of dry dam detention facility on Birch Creek, to provide approximately 4,800 acre-ft of storage during storm events and reduce flood risk on Spring Creek.	06000001,06000003,06000004,06000011,06000012,06000015	Harris, Waller, Montgomery, Grimes	12040101, 12040102, 12040104, 12070101, 12070104
063000113	City of Friendswood Ordinances and Regulation Update	Adopt higher codes and update ordinances and regulation to promote hazard mitigation strategies.	06000001, 06000007, 06000010, 06000015	Galveston, Harris	12040204
063000114	City of Bayou Vista Regulations and Permit Requirements Update	Update regulations and permit requirements to address enhances hazard mitigation strategies.	06000001, 06000007, 06000010, 06000015	Galveston	12040204
063000115	City of League City Freeboard Ordinance	Update city ordinance to require 24" of freeboard in the floodplain.	06000001, 06000007, 06000010, 06000015	Galveston, Harris	12040204
063000123	City of Cleveland Floodplain Land-Use Ordinance	The city shall adopt a land-use ordinance which prohibits building residential or commercial structures in the 100-year floodplain.	06000001, 06000007, 06000010, 06000015	Liberty, Montgomery, San Jacinto	12040103

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	HUC12s	Watershed Name	Project Type
063000092	Scott Street - OST to Brays Projects 1,2,and 3	120401040402	06000084	Infrastructure
063000093	Lake Creek - Garrett's Creek Detention	120401010101,120401010301,120401010302,120401010303,120401010103,120401010203,120401010304,120401010205	06000001,06000001,06000012,06000013,06000014,06000003,06000007,06000015,06000009	Detention Pond
063000094	Lake Creek - Little Caney Creek Detention	120401010101,120401010301,120401010302,120401010303,120401010103,120401010203,120401010304,120401010205	06000001,06000001,06000012,06000013,06000014,06000003,06000007,06000015,06000009	Detention Pond
063000095	Spring Creek I-45 Channelization	120401030110,120401030102,120401030108,120401030101,120401030103,120401030105,120401030106,120401030107,120401030109,120401030402,120401030303,120401030304,120401030401	06000055,06000016,06000017,06000018,06000019,06000020,06000021,06000024,06000023,06000036,06000026,06000030,06000032,06000033,06000034,06000035,06000037,06000039,06000038,06000042,06000040,06000041,06000043,06000044,06000045,06000088	Channel
063000096	Spring Creek Walnut Creek Detention	120401030110,120401030102,120401030108,120401030101,120401030103,120401030105,120401030106,120401030107,120401030109,120401030402,120401030303,120401030304,120401030401	06000055,06000016,06000017,06000018,06000019,06000020,06000021,06000024,06000023,06000036,06000026,06000030,06000032,06000033,06000034,06000035,06000037,06000039,06000038,06000042,06000040,06000041,06000043,06000044,06000045,06000088	Detention Pond
063000097	Spring Creek Woodlands Channelization (200-ft)	120401030110,120401030102,120401030108,120401030101,120401030103,120401030105,120401030106,120401030107,120401030109,120401030402,120401030303,120401030304,120401030401	06000055,06000016,06000017,06000018,06000019,06000020,06000021,06000024,06000023,06000036,06000026,06000030,06000032,06000033,06000034,06000035,06000037,06000039,06000038,06000042,06000040,06000041,06000043,06000044,06000045,06000088	Channel
063000098	Lake Creek - Caney Creek Detention	120401010101,120401010301,120401010302,120401010303,120401010103,120401010203,120401010304,120401010205	06000001,06000001,06000012,06000013,06000014,06000003,06000007,06000015,06000009	Detention Pond
063000099	Spring Creek Birch Creek Detention	120401030110,120401030102,120401030108,120401030101,120401030103,120401030105,120401030106,120401030107,120401030109,120401030402,120401030303,120401030304,120401030401	06000055,06000016,06000017,06000018,06000019,06000020,06000021,06000024,06000023,06000036,06000026,06000030,06000032,06000033,06000034,06000035,06000037,06000039,06000038,06000042,06000040,06000041,06000043,06000044,06000045,06000088	Detention Pond
063000113	City of Friendswood Ordinances and Regulation Update	120402040200, 120402040100	06000107, 06000107, 06000106	Preparedness
063000114	City of Bayou Vista Regulations and Permit Requirements Update	120402040200	06000107, 06000107	Preparedness
063000115	City of League City Freeboard Ordinance	120402040200, 120402040100	06000107, 06000107, 06000106	Preparedness
063000123	City of Cleveland Floodplain Land-Use Ordinance	120401030201, 120401030108, 120401030109, 120401030203, 120401030202, 120401030401	06000056, 06000056, 06000053, 06000054, 06000058, 06000057, 06000069	Preparedness

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
063000092	Scott Street - OST to Brays Projects 1,2,and 3	1.05	Urban/Local	City of Houston	Harris, Houston, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Greater Southeast Management District, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Coastal Water Authority, Harris County Improvement District 10A, Gulf Coast Protection District	Yes
063000093	Lake Creek - Garrett's Creek Detention	455.28	Riverine	San Jacinto River Authority	San Jacinto River Authority, Harris County Flood Control District, Montgomery County, City of Houston, Grimes County	No
063000094	Lake Creek - Little Caney Creek Detention	455.28	Riverine	San Jacinto River Authority	San Jacinto River Authority, Harris County Flood Control District, Montgomery County, City of Houston, Grimes County	No
063000095	Spring Creek I-45 Channelization	390.70	Riverine	San Jacinto River Authority	San Jacinto River Authority, Harris County Flood Control District, Montgomery County, City of Houston	Yes
063000096	Spring Creek Walnut Creek Detention	414.11	Riverine	San Jacinto River Authority	San Jacinto River Authority, Harris County Flood Control District, Montgomery County, City of Houston, Waller County	Yes
063000097	Spring Creek Woodlands Channelization (200-ft)	390.70	Riverine	San Jacinto River Authority	San Jacinto River Authority, Harris County Flood Control District, Montgomery County, City of Houston	Yes
063000098	Lake Creek - Caney Creek Detention	455.28	Riverine	San Jacinto River Authority	San Jacinto River Authority, Harris County Flood Control District, Montgomery County, City of Houston, Grimes County	No
063000099	Spring Creek Birch Creek Detention	414.11	Riverine	San Jacinto River Authority	San Jacinto River Authority, Harris County Flood Control District, Montgomery County, City of Houston, Waller County	Yes
063000113	City of Friendswood Ordinances and Regulation Update	20.83	Urban/Local	City of Friendswood	Friendswood	No
063000114	City of Bayou Vista Regulations and Permit Requirements Update	0.45	Urban/Local	City of Bayou Vista	Galveston County , Bayou Vista	No
063000115	City of League City Freeboard Ordinance	52.89	Riverine, Urban/Local	City of League City	Galveston County , League City	No
063000123	City of Cleveland Floodplain Land-Use Ordinance	18.74	Urban/Local	City of Cleveland	Cleveland	No

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Cost/Structure removed	Percent Nature-Based Solution (by cost)	Negative Impact (Y/N)
063000092	Scott Street - OST to Brays Projects 1,2,and 3	$ 128,714,000.00		$1,340,770.88	0	No
063000093	Lake Creek - Garrett's Creek Detention	$ 129,569,000.00		$439,216.94	0	No
063000094	Lake Creek - Little Caney Creek Detention	$ 126,602,000.00		$510,491.94	0	No
063000095	Spring Creek I-45 Channelization	$ 84,071,000.00		$22,347.42	0	No
063000096	Spring Creek Walnut Creek Detention	$141,438,000		$350,094.06	0	No
063000097	Spring Creek Woodlands Channelization (200-ft)	$ 55,388,000.00		$56,518.37	0	No
063000098	Lake Creek - Caney Creek Detention	$ 161,219,000.00		$499,130.06	0	No
063000099	Spring Creek Birch Creek Detention	$85,061,000		$256,981.88	0	No
063000113	City of Friendswood Ordinances and Regulation Update	$ 109,000.00		$0.00	0	No
063000114	City of Bayou Vista Regulations and Permit Requirements Update	$ 109,000.00		$0.00	0	No
063000115	City of League City Freeboard Ordinance	$ 109,000.00		$0.00	0	No
063000123	City of Cleveland Floodplain Land-Use Ordinance	$ 109,000.00		$0.00	0	No

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	BCR	Social Vulnerability Index (SVI)	RFPG Recommendation (Y/N)	Reason for Recommendation
063000092	Scott Street - OST to Brays Projects 1,2,and 3	No	No	1.50	0.85	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000093	Lake Creek - Garrett's Creek Detention	No	No	0.31	0.17	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000094	Lake Creek - Little Caney Creek Detention	No	No	0.27	0.17	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000095	Spring Creek I-45 Channelization	Yes	No	1.17	0.19	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000096	Spring Creek Walnut Creek Detention	No	No	1.21	0.19	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000097	Spring Creek Woodlands Channelization (200-ft)	Yes	No	0.62	0.19	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000098	Lake Creek - Caney Creek Detention	No	No	0.26	0.17	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000099	Spring Creek Birch Creek Detention	No	No	2.03	0.19	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000113	City of Friendswood Ordinances and Regulation Update	No	No	5.00	0.27	No	Project has been completed.
063000114	City of Bayou Vista Regulations and Permit Requirements Update	No	No	5.00	0.14	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000115	City of League City Freeboard Ordinance	No	No	5.00	0.19	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000123	City of Cleveland Floodplain Land-Use Ordinance	No	No	5.00	0.75	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties	HUC8s
063000124	City of Cleveland Flooplain Ordinance Update	Adopt a land use ordinance which requires any structure within the 100-year floodplain to be elevated 2 feet.	06000001, 06000007, 06000010, 06000015	Liberty, Montgomery, San Jacinto	12040103
063000126	City of Cleveland Ordinace Update Pipeline Right-of-Way	Adopt 25-foot setback from pipeline right-of-way.	06000001, 06000007, 06000010, 06000015	Liberty, Montgomery, San Jacinto	12040103
063000127	Galveston Bay Surge Protection Coastal Storm Risk Management	Federal projects identified in the Texas Coastal Study (2021) including Boliver Gates, Galveston Sea Wall Improvements, Ecosystem Restoration, Galveston Ring Barrier system, Clear Creek & Dickinson Bayou Gates, and non-structural measures.	06000011, 06000012, 06000013, 06000014	Brazoria, Galveston, Fort Bend, Chambers, Harris, Liberty	12040204,12040203,12040104
063000128	Bolivar Peninsula and West Bay Gulf Intracoastal Waterway (GIWW) Shoreline and Island Protection	Ecosystem restoration efforts planned along the GIWW such as the restoration of wetlands and islands, construction of breakwaters, and oyster reef scaling will provide natural buffer from coastal storm surge and prevent erosion.	06000011, 06000012, 06000013, 06000014	Brazoria, Galveston, Fort Bend, Chambers, Harris, Liberty	12040204,12040203,12040104
063000129	City of Manvel City Ordinance	The city shall adopt a land use ordinance which requires any structure within the 100-year floodplain to be elevated 2 feet above base flood elevation.	06000001, 06000007, 06000010, 06000015	Brazoria	12040204
063000130	City of Manvel Land-Use Ordinance Adoption	The city shall adopt a land-use ordinance which prohibits building residential or commercial structures in the 100-year floodplain.	06000001, 06000007, 06000010, 06000015	Brazoria	12040204
063000132	City of Manvel GIS Database Improvements	Improve GIS database to include repetitive loss properties areas and flooded structure data. Data to be used for future drainage infrastructure planning and to provide outreach and emergency services to residents in substantial risk zones.	06000001, 06000007, 06000010, 06000015	Brazoria	12040204
063000136	Brazoria County NFIP Technical Material	Place copies of FEMA Flood-related technical bulletins in County libraries.	06000001, 06000015	Brazoria	12040204
063000139	City of Clear Lake Shores - Implement Stormwater Management Practices	The Stormwater management plan is focused on six minimum measures regarding what is being done to prevent stormwater pollution. Annual reporting and renewals are required to ensure compliance is met.	06000001, 06000007, 06000010, 06000015	Galveston, Harris	12040204
063000140	City of Clear Lake Shores - Improve Regulations and Permit Requirements	Update regulations and permit requirements.	06000001, 06000007, 06000010, 06000015	Galveston, Harris	12040204
063000142	City of Hitcock - Improve Regulations and Permit Requirements	Improve regulations and permit requirements to promote hazard mitigation strategies.	06000001, 06000007, 06000010, 06000015	Brazoria, Galveston	12040204
063000143	City of Jamaica Beach - Improve Regulations and Permit Requirements	Improve regulations and permit requirements to promote hazard mitigation strategies.	06000001, 06000007, 06000010, 06000015	Galveston	12040204
063000144	City of Kemah - Improve Regulations and Permit Requirements	Improve regulations and permit requirements to promote hazard mitigation strategies.	06000001, 06000007, 06000010, 06000015	Galveston, Chambers	12040204
063000145	City of Kemah - Update Floodplain Ordinance	Update floodplain ordinance to ensure compliance with minimum standard of NFIP.	06000001, 06000007, 06000010, 06000015	Galveston, Chambers	12040204
063000146	City of La Marque - Improve Regulations and Permit Requirements	Improve regulations and permit requirements to promote hazard mitigation strategies.	06000001, 06000007, 06000010, 06000015	Galveston	12040204

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	HUC12s	Watershed Name	Project Type
063000124	City of Cleveland Flooplain Ordinance Update	120401030201, 120401030108, 120401030109, 120401030203, 120401030202, 120401030401	06000056, 06000056, 06000053, 06000054, 06000058, 06000057, 06000069	Preparedness
063000126	City of Cleveland Ordinace Update Pipeline Right-of-Way	120401030201, 120401030108, 120401030109, 120401030203, 120401030202, 120401030401	06000056, 06000056, 06000053, 06000054, 06000058, 06000057, 06000069	Preparedness
063000127	Galveston Bay Surge Protection Coastal Storm Risk Management	120401030201, 120401030108, 120401030109, 120401030203, 120401030202, 120401030401	06000056, 06000091, 06000095, 06000084, 06000097, 06000098, 06000094, 06000082, 06000090, 06000092, 06000081, 06000086, 06000085, 06000093, 06000096, 06000103, 06000102, 06000104, 06000105, 06000108, 06000107, 06000109, 06000110, 06000106	Coastal
063000128	Bolivar Peninsula and West Bay Gulf Intracoastal Waterway (GIWW) Shoreline and Island Protection	120401030201, 120401030108, 120401030109, 120401030203, 120401030202, 120401030401	06000056, 06000091, 06000095, 06000084, 06000097, 06000098, 06000094, 06000082, 06000090, 06000092, 06000081, 06000086, 06000085, 06000093, 06000096, 06000103, 06000102, 06000104, 06000105, 06000108, 06000107, 06000109, 06000110, 06000106	Coastal
063000129	City of Manvel City Ordinance	120402040200, 120402040400, 120402040100	06000107, 06000107, 06000109, 06000106	Preparedness
063000130	City of Manvel Land-Use Ordinance Adoption	120402040200, 120402040400, 120402040100	06000107, 06000107, 06000109, 06000106	Preparedness
063000132	City of Manvel GIS Database Improvements	120402040200, 120402040400, 120402040100	06000107, 06000107, 06000109, 06000106	Preparedness
063000136	Brazoria County NFIP Technical Material	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000108, 06000107, 06000109, 06000106	Other
063000139	City of Clear Lake Shores - Implement Stormwater Management Practices	120402040100	06000106, 06000106	Preparedness
063000140	City of Clear Lake Shores - Improve Regulations and Permit Requirements	120402040100	06000106, 06000106	Preparedness
063000142	City of Hitcock - Improve Regulations and Permit Requirements	120402040300, 120402040200	06000108, 06000108, 06000107	Preparedness
063000143	City of Jamaica Beach - Improve Regulations and Permit Requirements	120402040300	06000108, 06000108	Preparedness
063000144	City of Kemah - Improve Regulations and Permit Requirements	120402040200, 120402040100	06000107, 06000107, 06000106	Preparedness
063000145	City of Kemah - Update Floodplain Ordinance	120402040200, 120402040100	06000107, 06000107, 06000106	Preparedness
063000146	City of La Marque - Improve Regulations and Permit Requirements	120402040200	06000107, 06000107	Preparedness

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
063000124	City of Cleveland Flooplain Ordinance Update	18.74	Urban/Local	City of Cleveland	Cleveland	No
063000126	City of Cleveland Ordinace Update Pipeline Right-of-Way	18.74	Urban/Local	City of Cleveland	Cleveland	No
063000127	Galveston Bay Surge Protection Coastal Storm Risk Management	1905.02	Coastal	Gulf Coast Protection District	Galveston County , Chambers County, Houston, Gulf Coast Protection District, Galveston, Liberty County WCID#1	Yes
063000128	Bolivar Peninsula and West Bay Gulf Intracoastal Waterway (GIWW) Shoreline and Island Protection	1559.02	Coastal	Gulf Coast Protection District	Brazoria County, Chambers County, Galveston County , Gulf Coast Protection District, Liberty County WCID#1	Yes
063000129	City of Manvel City Ordinance	27.41	Urban/Local	City of Manvel	Brazoria County, West Brazoria County Drainage District, Manvel	No
063000130	City of Manvel Land-Use Ordinance Adoption	27.41	Urban/Local	City of Manvel	Brazoria County, West Brazoria County Drainage District, Manvel	No
063000132	City of Manvel GIS Database Improvements	27.41	Urban/Local	City of Manvel	Brazoria County, West Brazoria County Drainage District, Manvel	No
063000136	Brazoria County NFIP Technical Material	1481.87	Urban/Local	Brazoria	Brazoria County	No
063000139	City of Clear Lake Shores - Implement Stormwater Management Practices	0.71	Riverine, Urban/Local	City of Clear Lake Shores	Galveston County , Clear Lake Shores	No
063000140	City of Clear Lake Shores - Improve Regulations and Permit Requirements	0.71	Urban/Local	City of Clear Lake Shores	Galveston County , Clear Lake Shores	No
063000142	City of Hitcock - Improve Regulations and Permit Requirements	91.21	Urban/Local	City of Hitchcock	Galveston County , Hitchcock	No
063000143	City of Jamaica Beach - Improve Regulations and Permit Requirements	0.71	Urban/Local	City of Jamaica Beach	Galveston County , Jamaica Beach	No
063000144	City of Kemah - Improve Regulations and Permit Requirements	1.91	Urban/Local	City of Kemah	Galveston County , Kemah	No
063000145	City of Kemah - Update Floodplain Ordinance	1.91	Urban/Local	City of Kemah	Galveston County , Kemah	No
063000146	City of La Marque - Improve Regulations and Permit Requirements	14.23	Urban/Local	City of La Marque	Galveston County , La Marque	No

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Cost/Structure removed	Percent Nature-Based Solution (by cost)	Negative Impact (Y/N)
063000124	City of Cleveland Flooplain Ordinance Update	$ 109,000.00		$0.00	0	No
063000126	City of Cleveland Ordinace Update Pipeline Right-of-Way	$ 55,000.00		$0.00	0	No
063000127	Galveston Bay Surge Protection Coastal Storm Risk Management	$ 24,107,064,000.00	Other (35%)	$318,270.28	0	No
063000128	Bolivar Peninsula and West Bay Gulf Intracoastal Waterway (GIWW) Shoreline and Island Protection	$ 1,200,169,000.00		$0.00	100	No
063000129	City of Manvel City Ordinance	$ 103,000.00		$0.00	0	No
063000130	City of Manvel Land-Use Ordinance Adoption	$ 103,000.00		$0.00	0	No
063000132	City of Manvel GIS Database Improvements	$ 21,000.00		$0.00	0	No
063000136	Brazoria County NFIP Technical Material	$ 21,000.00		$0.00	0	No
063000139	City of Clear Lake Shores - Implement Stormwater Management Practices	$ 109,000.00		$0.00	0	No
063000140	City of Clear Lake Shores - Improve Regulations and Permit Requirements	$ 109,000.00		$0.00	0	No
063000142	City of Hitcock - Improve Regulations and Permit Requirements	$ 109,000.00		$0.00	0	No
063000143	City of Jamaica Beach - Improve Regulations and Permit Requirements	$ 109,000.00		$0.00	0	No
063000144	City of Kemah - Improve Regulations and Permit Requirements	$ 109,000.00		$0.00	0	No
063000145	City of Kemah - Update Floodplain Ordinance	$ 109,000.00		$0.00	0	No
063000146	City of La Marque - Improve Regulations and Permit Requirements	$ 109,000.00		$0.00	0	No

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	BCR	Social Vulnerability Index (SVI)	RFPG Recommendation (Y/N)	Reason for Recommendation
063000124	City of Cleveland Flooplain Ordinance Update	No	No	0.00	0.75	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000126	City of Cleveland Ordinace Update Pipeline Right-of-Way	No	No		0.75	No	Yields no direct flood risk reduction benefits and does not have a BCR.
063000127	Galveston Bay Surge Protection Coastal Storm Risk Management	No	No	1.91	0.47	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000128	Bolivar Peninsula and West Bay Gulf Intracoastal Waterway (GIWW) Shoreline and Island Protection	No	No	0.00	0.49	No	Yields no direct flood risk reduction benefits and does not have a BCR.
063000129	City of Manvel City Ordinance	No	No	5.00	0.42	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000130	City of Manvel Land-Use Ordinance Adoption	No	No	5.00	0.42	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000132	City of Manvel GIS Database Improvements	No	No		0.42	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000136	Brazoria County NFIP Technical Material	No	No		0.36	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000139	City of Clear Lake Shores - Implement Stormwater Management Practices	No	No	0.00	0.20	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000140	City of Clear Lake Shores - Improve Regulations and Permit Requirements	No	No	5.00	0.20	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000142	City of Hitcock - Improve Regulations and Permit Requirements	No	No	5.00	0.55	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000143	City of Jamaica Beach - Improve Regulations and Permit Requirements	No	No	5.00	0.03	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000144	City of Kemah - Improve Regulations and Permit Requirements	No	No	5.00	0.42	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000145	City of Kemah - Update Floodplain Ordinance	No	No	5.00	0.42	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000146	City of La Marque - Improve Regulations and Permit Requirements	No	No	5.00	0.67	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties	HUC8s
063000148	City of Tiki Island - Improve Regulations and Permit Requirements	Update and/or develop regulations and permits to address hazards prone to the area and include any changes in future development area.	06000001, 06000007, 06000010, 06000015	Galveston	12040204
063000149	City of Santa Fe - Improve Regulations and Permit Requirements	Update and/or develop regulations and permits to address hazards prone to the area and include any changes in future development area.	06000001, 06000007, 06000010, 06000015	Galveston	12040204
063000152	City of Galveston Land Use Mapping	Develop proposed land use mapping to allow easier consideration of hazards.	06000001, 06000007, 06000010, 06000015	Galveston	12040204
063000153	City of Galveston Freeboard Requirement Enforcement	Consider adoption and enforcement of freeboard requirement into City's Flood Damage Prevention Ordinance.	06000001, 06000007, 06000010, 06000015	Galveston	12040204
063000167	Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and the larger channelization and detention along Greens Bayou known as the Mid-Reach project.	Projects submited as part of the CDBG MIT grant in Greens Bayou including Projects: Fountainview Sec 1&2, Castlewood Sec 3&4, North Forest, Mid-Reach Greens, Parkland Estates, and Humble Road Place.	06000001, 06000005, 06000006, 06000011, 06000015	Harris	12040104
063000186	Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards	Project proposed to improve conveyance within the D111-00-00 channel between Bellaire and University Boulevards. The LOS of the channel is increased from a 10-year event to a 50-year event. Mitigation volume is provided in the Meyer SW Detention Basin.	06000001, 06000011, 06000012, 06000015	Harris	12040104
063000201	City of Alvin Unified Development Ordinance	A unified land development code combines all land use controls into a single document with a logical structure that is user friendly. Cost is time, data and preparation of a unified land development code.	06000001, 06000007, 06000010, 06000015	Brazoria, Galveston, Fort Bend	12040204
063000311	37th Street Improvement Project	The project proposes storm sewer improvements coupled with implementing a stormwater pump station to addressing 100-year event flooding and improve access to major evacuation routes.	06000001, 06000003, 06000004, 06000015	Galveston	12040204
063000313	Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	Design and Construction of Dinner Creek Stormwater Detention Basin (U520-01-00-E003). Project would expand the existing detention basin to ultimate conditions and incorporate both detention and retention.	06000001, 06000011, 06000012, 06000015	Harris	12040104
063000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	Part of the South Mayde Creek Plan that could reduce the risk of flooding for more than 70 homes and reduce the rainfall event by more than 340 acres in a pre-Atlas 1% rainfall event.	06000001, 06000011, 06000012, 06000015	Harris	12040204
063000319	Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	This project provides for design and construction of three offline detention basins in B509-03-00 and B509-04-00.	06000001, 06000011, 06000012, 06000015	Harris	12040204
063000320	Warren Lake and Dam Retrofit	Retrofit dam to improve detention of flood & storm water runoff, new 137.3 ac wetlands complex added of storage capacity & conversion of fields to tallgrass prairies to add approximately 856 ac-ft of total storage during rainfall events.	06000001, 06000011, 06000012, 06000015	Harris	12040102
063000321	Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)	The proposed project includes the expansion and extension of existing detention basins to alleviate historical and potential future riverine flooding within the Armand Bayou Watershed.	06000001, 06000011, 06000012, 06000015	Harris	12040104, 12040204

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	HUC12s	Watershed Name	Project Type
063000148	City of Tiki Island - Improve Regulations and Permit Requirements	120402040200	06000107, 06000107	Preparedness
063000149	City of Santa Fe - Improve Regulations and Permit Requirements	120402040300, 120402040200	06000108, 06000108, 06000107	Preparedness
063000152	City of Galveston Land Use Mapping	120402040300, 120402040200, 120402040400, 120402040500	06000108, 06000108, 06000107, 06000109, 06000110	Preparedness
063000153	City of Galveston Freeboard Requirement Enforcement	120402040300, 120402040200, 120402040400, 120402040500	06000108, 06000108, 06000107, 06000109, 06000110	Preparedness
063000167	Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and the larger channelization and detention along Greens Bayou known as the Mid-Reach project.	120401040601, 120401040604, 120401040602, 120401040603	06000087, 06000090, 06000088, 06000089	Comprehensive
063000186	Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards	120401040402	06000084	Channel
063000201	City of Alvin Unified Development Ordinance	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000108, 06000107, 06000109, 06000106	Preparedness
063000311	37th Street Improvement Project	120402040200	06000107	Infrastructure
063000313	Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	120401040202, 120401040201, 120401040203, 120401040303	06000076, 06000075, 06000077, 06000080	Detention Pond
063000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	120401040203, 120401040303, 120401040303	06000074, 06000077, 06000080	Comprehensive
063000319	Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	120402040100, 120401040703, 120401040706	06000106, 06000095, 06000098	Detention Pond
063000320	Warren Lake and Dam Retrofit	120401020103, 120401020101, 120401020105	06000028, 06000026, 06000030	Comprehensive
063000321	Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)	120401040703, 120402040100	06000095, 06000098, 06000106	Detention Pond

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
063000148	City of Tiki Island - Improve Regulations and Permit Requirements	1.59	Urban/Local	City of Tiki Island	Galveston County , Tiki Island	No
063000149	City of Santa Fe - Improve Regulations and Permit Requirements	17.04	Riverine, Urban/Local	City of Santa Fe	Galveston County , Santa Fe	No
063000152	City of Galveston Land Use Mapping	211.08	Urban/Local	City of Galveston	Galveston County , Galveston	No
063000153	City of Galveston Freeboard Requirement Enforcement	211.08	Riverine, Urban/Local	City of Galveston	Galveston County , Galveston	No
063000167	Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and the larger channelization and detention along Greens Bayou known as the Mid-Reach project.	165.69	Urban/Local	Harris County Flood Control District (HCFCD)	Harris County, Harris County Flood Control District (HCFCD), Houston	Yes
063000186	Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards	2.08	Riverine	Harris County Flood Control District (HCFCD)	Houston, Southside Place, West University Place, Harris County, Harris County Flood Control District (HCFCD)	No
063000201	City of Alvin Unified Development Ordinance	25.09	Urban/Local	City of Alvin	Brazoria County, West Brazoria County Drainage District, Alvin	No
063000311	37th Street Improvement Project	211.72	Coastal	City of Galveston	Galveston County, Galveston, Gulf Coast Waste Disposal Authority, Houston-Galveston Area Council, Gulf Coast Protection District	No
063000313	Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	20.51	Riverine	Harris County Flood Control District (HCFCD)	Harris County	No
063000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	13.25	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County, Harris County Flood Control District (HCFCD), Houston	No
063000319	Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	59.11	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	La Porte, Pasadena, Harris County Flood Control District (HCFCD), Harris County	No
063000320	Warren Lake and Dam Retrofit	2.12	Riverine	Coastal Prairie Conservancy	Harris County Flood Control District (HCFCD), Harris County	No
063000321	Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)	59.11	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County Flood Control District (HCFCD), Harris County, City of Pasadena, City of Deer Park	No

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Cost/Structure removed	Percent Nature-Based Solution (by cost)	Negative Impact (Y/N)
063000148	City of Tiki Island - Improve Regulations and Permit Requirements	$ 109,000.00		$0.00	0	No
063000149	City of Santa Fe - Improve Regulations and Permit Requirements	$ 109,000.00		$0.00	0	No
063000152	City of Galveston Land Use Mapping	$ 11,000.00		$0.00	0	No
063000153	City of Galveston Freeboard Requirement Enforcement	$ 100,000.00		$0.00	0	No
063000167	Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and the larger channelization and detention along Greens Bayou known as the Mid-Reach project.	$ 120,284,000.00		$66,235.69	0	No
063000186	Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards	$ 19,917,000.00		$2,489,625.00	0	No
063000201	City of Alvin Unified Development Ordinance	$ 100,000.00	Entity Budget/Funds (100%)	$0.00	0	No
063000311	37th Street Improvement Project	$ 75,000,000.00	Other (25%)	$382,653.06	0	No
063000313	Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	$ 33,081,000.00		$787,642.88	0	No
063000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	$ 27,818,000.00		$105,371.22	0	No
063000319	Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	$ 34,850,000.00		$2,323,333.25	0	No
063000320	Warren Lake and Dam Retrofit	$ 6,439,000.00		$137,000.00	100	No
063000321	Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)	$ 9,450,000.00		$41,086.96	0	No

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	BCR	Social Vulnerability Index (SVI)	RFPG Recommendation (Y/N)	Reason for Recommendation
063000148	City of Tiki Island - Improve Regulations and Permit Requirements	No	No	5.00	0.14	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000149	City of Santa Fe - Improve Regulations and Permit Requirements	No	No	5.00	0.35	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000152	City of Galveston Land Use Mapping	No	No		0.42	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000153	City of Galveston Freeboard Requirement Enforcement	No	No	5.00	0.42	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000167	Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and the larger channelization and detention along Greens Bayou known as the Mid-Reach project.	No	No	2.13	0.70	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000186	Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards	No	No	1.23	0.03	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000201	City of Alvin Unified Development Ordinance	No	No	5.00	0.51	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000311	37th Street Improvement Project	No	No	0.08	0.68	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000313	Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	No	No	0.04	0.37	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	No	No	0.73	0.28	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000319	Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	No	No	0.01	0.41	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000320	Warren Lake and Dam Retrofit	No	No	4.45	0.56	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000321	Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)	No	No	0.81	0.51	Yes	Alignment with RFPG goals and TWDB guidance principles.

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties	HUC8s
063000327	Blalock Road Drainage Improvement Project	The proposed drainage improvements project will replace an undersized drainage system on Blalock Road, tie into drainage improvements on South Piney Point Road, and provide improvements on a drainage area that frequently experiences drainage issues.	06000001, 06000011, 06000012, 06000015	Harris	12040104
063000328	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	The proposed project includes widening sections of the Keegans Bayou main channel and a 1,600 acre-feet detention basin.	06000001, 06000011, 06000012, 06000015	Fort Bend, Harris	12040104
063000334	Goose Creek Flood Risk Reduction	The project includes three phases of development. Phase 1 includes a regional detention basin and channel improvements along two segments of Goose Creek for a total length of 1.65 miles. Phase 2 includes a regional detention basin and channel improvements	06000001, 06000011, 06000012, 06000015	Harris	12040104, 12040203
063000339	Willow Creek Watershed Plan - M120 Detention/Preservation Site	The project includes a 1,640 acre-feet regional detention basin, 85 acres of floodplain preservation, & habitat preservation in Willow Creek.	06000001, 06000011, 06000012, 06000015	Harris	12040102
063000344	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	This project includes a stormwater detention basin that compliments the federal project on White Oak Bayou.	06000001, 06000011, 06000012, 06000015	Harris	12040102, 12040104
063000357	Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	Program implementation plan for the design and construction of 22 regional detention basins (12,800 ac-ft) in the Cypress Creek watershed K100-00-00) based on the Cypress Creek Watershed and Major Tributaries Regional Drainage Plan Update(February 2020).	06000001, 06000011, 06000012, 06000015	Harris	12040102,12040104
063000360	Kingwood Diversion Ditch (G103-38-00)	Improvements to the Kingwood Diversion Ditch include channel modifications, flow diversion from Bens Branch, bridge replacements, as well as a new outfall to the West Fork San Jacinto River.	06000001, 06000011, 06000012, 06000015	Harris, Montgomery	12040101, 12040103
063000389	Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)	The proposed project includes channel improvements, upsizing of culverts, siltation removal, local drainage improvements, and a stormwater detention basin within White Oak Bayou Tributary E116-00-00.	06000001, 06000011, 06000012, 06000015	Harris	12040104
063000396	P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)	This project provides for design and construction for the second phase of the Aldine Westfield North Detendion Basin in the Halls Bayou watershed.	06000001, 06000011, 06000012, 06000015	Harris	12040104
063000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	This project provides for the design and construction of flood mitigation improvements including detention basins along P118-23-00 and concrete lining P118-23-02. (2018 Bond Project C-26 & C-27)	06000001, 06000011, 06000012, 06000015	Harris	12040104
063000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	This project provides analysis and preliminary design (Alternative 3b) for detention basin, widening of existing channels, and extension of channel P118-25-01 (Halls Bayou Tributary).	06000001, 06000011, 06000012, 06000015	Harris	12040104
063000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	This project provides analysis and description of the existing flooding conditions within the P118-27-00 catchment area and consequently develops flood risk mitigation alternatives, including detention basis and channel improvements.	06000001, 06000011, 06000012, 06000015	Harris	12040104

FMP ID	FMP Name	HUC12s	Watershed Name	Project Type
063000327	Blalock Road Drainage Improvement Project	120401040303	06000080	Infrastructure
063000328	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	120401040401, 120401040501	06000083, 06000085	Comprehensive
063000334	Goose Creek Flood Risk Reduction	120401040705, 120401040706, 120402030104, 120402030105, 120402030106	06000097, 06000098, 06000103, 06000102, 06000104	Comprehensive
063000339	Willow Creek Watershed Plan - M120 Detention/Preservation Site	120401020105, 120401020106, 120401020205, 120401020209, 120401020210, 120401020212	06000031, 06000030, 06000037, 06000042, 06000041, 06000044	Detention Pond
063000344	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	120401020104, 120401020106, 120401040301, 120401040302, 120401040304, 120401040305, 120401040601, 120401040701, 120401040703	06000029, 06000031, 06000095, 06000087, 06000082, 06000079, 06000081, 06000078, 06000093	Detention Pond
063000357	Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	120401020104, 120401020106, 120401020105, 120401020107, 120401020210, 120401020213, 120401040601, 120401040201, 120401040301, 120401040602	06000029, 06000031, 06000030, 06000032, 06000042, 06000045, 06000087, 06000075, 06000078, 06000088	Detention Pond
063000360	Kingwood Diversion Ditch (G103-38-00)	120401010404, 120401010501, 120401030110, 120401030402	06000024, 06000023, 06000055, 06000070	Comprehensive
063000389	Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)	120401040302, 120401040304	06000079, 06000081	Comprehensive
063000396	P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)	120401040604	06000090	Detention Pond
063000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091, 06000087, 06000079, 06000090, 06000092, 06000081, 06000089, 06000093	Comprehensive
063000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091, 06000087, 06000079, 06000090, 06000092, 06000081, 06000089, 06000093	Comprehensive
063000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091, 06000087, 06000079, 06000090, 06000092, 06000081, 06000089, 06000093	Comprehensive

FMP ID	FMP Name	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
063000327	Blalock Road Drainage Improvement Project	0.88	Riverine, Urban/Local	City of Piney Point Village	City of Piney Point Village	No
063000328	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	22.96	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Fort Bend County, Harris County, Harris County Flood Control District (HCFCD)	No
063000334	Goose Creek Flood Risk Reduction	27.03	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County, Harris County Flood Control District (HCFCD), Baytown	No
063000339	Willow Creek Watershed Plan - M120 Detention/Preservation Site	55.58	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County, Harris County Flood Control District (HCFCD), Houston	No
063000344	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	78.67	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County, Harris County Flood Control District (HCFCD), Houston	No
063000357	Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	118.81	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District (HCFCD), Harris County	No
063000360	Kingwood Diversion Ditch (G103-38-00)	21.77	Riverine	Harris County Flood Control District (HCFCD)	Harris County, Harris County Flood Control District (HCFCD), Houston	No
063000389	Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)	6.92	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District (HCFCD), Harris County	No
063000396	P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)	52.16	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County Flood Control District (HCFCD), Harris County	No
063000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	1.58	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District (HCFCD), Harris County	No
063000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	52.32	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District (HCFCD), Harris County	No
063000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	6.03	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District (HCFCD), Harris County	No

FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Cost/Structure removed	Percent Nature-Based Solution (by cost)	Negative Impact (Y/N)
063000327	Blalock Road Drainage Improvement Project	$ 19,324,000.00		$357,851.88	0	No
063000328	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	$ 190,218,000.00		$94,682.93	0	No
063000334	Goose Creek Flood Risk Reduction	$ 46,494,000.00		$172,840.16	0	No
063000339	Willow Creek Watershed Plan - M120 Detention/Preservation Site	$ 64,900,000.00		$511,023.63	0	No
063000344	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	$ 42,600,000.00		$60,683.77	0	No
063000357	Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	$ 550,000,000.00		$195,451.31	0	No
063000360	Kingwood Diversion Ditch (G103-38-00)	$ 62,938,000.00		$1,284,449.00	0	No
063000389	Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)	$ 8,375,000.00		$348,958.34	0	No
063000396	P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)	$ 10,371,000.00		$80,395.35	0	No
063000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	$ 31,317,000.00		$109,500.00	0	No
063000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	$ 14,939,000.00		$15,692.23	0	No
063000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	$ 23,680,000.00		$72,861.54	0	No

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	BCR	Social Vulnerability Index (SVI)	RFPG Recommendation (Y/N)	Reason for Recommendation
063000327	Blalock Road Drainage Improvement Project	No	No	0.00	0.28	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000328	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	No	No	0.94	0.65	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000334	Goose Creek Flood Risk Reduction	No	No	0.48	0.63	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000339	Willow Creek Watershed Plan - M120 Detention/Preservation Site	No	No	0.68	0.26	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000344	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	No	No	1.89	0.35	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000357	Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	No	No	0.28	0.28	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000360	Kingwood Diversion Ditch (G103-38-00)	No	No	0.03	0.20	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000389	Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)	No	No	1.47	0.42	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000396	P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)	No	No	0.00	0.75	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	No	No	0.48	0.66	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	No	No	0.96	0.78	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	No	No	2.18	0.73	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties	HUC8s
063000402	Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)	The proposed project includes the design and construction of approximately two miles of channel improvements along N100-00-00, channel improvements to a short segment of N109-00-00, and a detention basin to mitigate downstream impacts.	06000001, 06000011, 06000012, 06000015	Harris	12040101, 12040104
063000417	Houston Fifth Area Flood Mitigation	This unfunded CDBG-MIT application involves installing various storm sewer infrastructure in the Fifth Ward and Market Square areas within the City of Houston.	06000001, 06000011, 06000012, 06000015	Harris	12040104
063000418	Houston Port Area Flood Mitigation	The project includes storm sewer improvements on nearly every street in the Pleasantville neighborhood to improve conveyance capacity and construction of a detention basin.	06000001, 06000011, 06000012, 06000015	Harris	12040104
063000422	Danubina Drainage Improvements	This CDBG-MIT application involves the installation and construction of improvements along Hull Gully, detention, and storm sewer improvements along Hunnicutt Street.	06000001, 06000011, 06000012, 06000015	Chambers, Harris	12040104, 12040203
063000424	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	This project, which includes terraces, detention, and a trail network, will reduce water surface elevations on Clear Creek within the City of Friendswood and will make the Blackhawk Wastewater Treatment Facility more resilient.	06000001, 06000011, 06000012, 06000015	Galveston, Harris	12040204
063000434	Houston Kashmere Gardens Area Flood Mitigation	The project includes improvements to storm sewer, roadside ditch systems, culverts, sewer inlets, and the construction of detention basins.	06000001, 06000011, 06000012, 06000015	Harris	12040104
063000453	Rivershire West - Grand Lake Creek Watershed	This project is located in a residential neighborhood and consists of benching, floodwalls, and upsizing culverts to route and contain flow. Additionally, there are proposed bridge modifications to reduce impediments to water flow	06000001, 06000011, 06000012, 06000015	Montgomery	12040101
063000468	Houston Sunnyside Area Flood Mitigation	Includes new storm sewer trunk systems on major thoroughfares & new or improved neighborhood storm sewer systems. Will also require construction of detention basins to mitigate the proposed improvements.	06000001, 06000011, 06000012, 06000015	Harris	12040204,12040104
063000469	Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)	Project consists of ROW acquisition and construction of a detention basin near Veterans Memorial which provides approximately 460 acre-feet of storage.	06000001, 06000011, 06000012, 06000015	Harris	12040104
063000470	Halls Bayou Drainage Project Bond C-01	Provides for design and construction of drainage improvements to P118-26-00 including approximately 119 acre-feet of total storage between two basins and the replacement of a channel with RCBs.	06000001, 06000011, 06000012, 06000015	Harris	12040104

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	HUC12s	Watershed Name	Project Type
		120401010502, 120401040602, 120401040604, 120401040605, 120401040606, 120401040701, 120401040702, 120401040703, 120401040704, 120401040705	06000025, 06000091, 06000095, 06000097, 06000094, 06000090, 06000092. 06000088, 06000093, 06000096	Comprehensive
063000402	Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)			
063000417	Houston Fifth Area Flood Mitigation	120401040701	06000093	Infrastructure
063000418	Houston Port Area Flood Mitigation	120401040701	06000093	Infrastructure
063000422	Danubina Drainage Improvements	120401040705, 120401040706, 120402030105, 120402030106, 120402030200	06000097, 06000098, 06000103, 06000104, 06000105	Infrastructure
063000424	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	120402040200, 120402040100	06000107, 06000106	Detention Pond
063000434	Houston Kashmere Gardens Area Flood Mitigation	120401040703, 120401040604, 120401040606, 120401040304, 120401040701	06000095, 06000090, 06000092, 06000081, 06000093	Infrastructure
063000453	Rivershire West - Grand Lake Creek Watershed	120401010207, 120401010401	06000011, 06000020	Channel
063000468	Houston Sunnyside Area Flood Mitigation	120401040402, 120401040502, 120401040501, 120402040100	06000084, 06000086, 06000085, 06000106	Infrastructure
063000469	Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)	120401040604	06000090	Detention Pond
063000470	Halls Bayou Drainage Project Bond C-01	120401040605, 120401040601, 120401040302, 120401040604, 120401040606, 120401040304, 120401040603, 120401040701	06000091, 06000087, 06000079, 06000090, 06000092, 06000081, 06000089, 06000093	Comprehensive

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
		66.62	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Harris, Harris County MUD 148, Harris County MUD 421, Harris County Improvement District 15, Harris County MUD 427, Harris County MUD 428, Harris County MUD 429, Harris County MUD 342, Harris County FWSD 6, Harris County MUD 425, Harris County MUD 426, Harris County MUD 53, Harris County MUD 285, Harris County WCID 36, Harris County FWSD 47, Harris County MUD 344, Harris County FWSD 51, Harris County MUD 403, Harris County WCID 84, Harris County MUD 8, Houston, San Jacinto Region Boundary	No
063000402	Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)					
063000417	Houston Fifth Area Flood Mitigation	40.60	Urban/Local	City of Houston	Houston, Harris County Flood Control District (HCFCD), Harris County	No
063000418	Houston Port Area Flood Mitigation	40.60	Urban/Local	City of Houston	Houston, Harris County Flood Control District (HCFCD), Harris County	No
063000422	Danubina Drainage Improvements	47.70	Riverine, Urban/Local	City of Baytown	Harris County, Harris County Flood Control District (HCFCD)	No
063000424	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	20.90	Riverine, Urban/Local	City of Friendswood	Friendswood, Harris County, Harris County Flood Control District (HCFCD), Galveston County	No
063000434	Houston Kashmere Gardens Area Flood Mitigation	30.87	Urban/Local	City of Houston	Houston, Harris County Flood Control District (HCFCD), Harris County	No
063000453	Rivershire West - Grand Lake Creek Watershed	1.66	Riverine, Urban/Local	City of Conroe	Montgomery County, Conroe	No
063000468	Houston Sunnyside Area Flood Mitigation	23.57	Urban/Local	City of Houston	Houston, Harris County Flood Control District (HCFCD), Harris County	No
063000469	Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)	51.95	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District (HCFCD), Harris County	No
063000470	Halls Bayou Drainage Project Bond C-01	52.32	Riverine	Harris County Flood Control District (HCFCD)	Houston, Harris County Flood Control District (HCFCD), Harris County	No

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Cost/Structure removed	Percent Nature-Based Solution (by cost)	Negative Impact (Y/N)
063000402	Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)	$ 30,360,000.00		$80,105.55	0	No
063000417	Houston Fifth Area Flood Mitigation	$ 89,754,000.00		$68,724.35	0	No
063000418	Houston Port Area Flood Mitigation	$ 99,022,000.00		$184,055.77	0	No
063000422	Danubina Drainage Improvements	$ 18,468,000.00		$166,378.38	0	No
063000424	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	$ 65,800,000.00	Bonds/Other Financing (25%)	$382,558.13	0	No
063000434	Houston Kashmere Gardens Area Flood Mitigation	$ 94,880,000.00		$207,614.88	0	No
063000453	Rivershire West - Grand Lake Creek Watershed	$ 30,000,000.00		$300,000.00	0	No
063000468	Houston Sunnyside Area Flood Mitigation	$ 111,282,000.00		$78,923.41	0	No
063000469	Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)	$ 35,250,000.00		$120,719.18	0	No
063000470	Halls Bayou Drainage Project Bond C-01	$ 22,386,000.00		$33,066.47	0	No

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	BCR	Social Vulnerability Index (SVI)	RFPG Recommendation (Y/N)	Reason for Recommendation
063000402	Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)	No	No	0.46	0.58	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000417	Houston Fifth Area Flood Mitigation	No	No	1.87	0.90	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000418	Houston Port Area Flood Mitigation	No	No	0.30	0.75	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000422	Danubina Drainage Improvements	No	No	0.96	0.79	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000424	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	No	No	0.21	0.24	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000434	Houston Kashmere Gardens Area Flood Mitigation	No	No	1.09	0.89	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000453	Rivershire West - Grand Lake Creek Watershed	No	No	0.11	0.36	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000468	Houston Sunnyside Area Flood Mitigation	No	No	1.20	0.81	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000469	Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)	No	No	0.49	0.78	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000470	Halls Bayou Drainage Project Bond C-01	No	No	2.32	0.75	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties	HUC8s
063000471	Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	This project provides for design and construction of four detention basisns providing approximately 602 ac-ft of storage in the Halls Bayou watershed. Inlcudes a half mile of channel improvements to P118-00-00.	06000001, 06000011, 06000012, 06000015	Harris	12040104
063000472	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	This project includes the design and construciton of three detention basins (226 ac-ft) along South Mayde Creek (U101-00-00).	06000001, 06000011, 06000012, 06000015	Harris, Waller	12040104
063000473	Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	This project includes three regional detention pond cells along Langham Creek within the Addicks Reservoir waterhsed to mitigate peak discharges expected with new development in the area.	06000001, 06000011, 06000012, 06000015	Harris	12040104
063000474	Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)	The proposed project includes channel improvements and inline detention from Cullen Boulevard to Pearland Parkway along with additional offline detention basins to mitigate for impacts from additional conveyance in the mainstem of Clear Creek.	06000001, 06000011, 06000012, 06000015	Harris, Fort Bend, Brazoria, Galveston	12040104, 12040204
063000475	Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	This project provides for design and construction of a 311 ac-ft dry-bottom detention basin and 20-ft of channel improvements to P118-21-00.	06000001, 06000011, 06000012, 06000015	Harris	12040104
063000476	Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)	Provides for design and construction of two detention basins in the Cypress Creek watershed, including a new 4,756 ac-ft detention basin and an expansion of an existing HCFCD detention basin along K500-01-00 from 531 ac-ft to 9,336 ac-ft of storage.	06000001, 06000011, 06000012, 06000015	Harris	12040102
063000477	P118-E006 (Hardy West) (2018 Bond Project C-41)	Proposal of the Hardy West Detention Basin (P118-00-00-E006). Project consists of 2 basins providing 400 acre-ft of detention volume adjacent to Halls Bayou and separated by P118-25-00.	06000001, 06000011, 06000012, 06000015	Harris	12040104
063000480	Kilgore Regional Detention Atlas 14 Upgrade	Improve the existing system of the Kilgore Regional Detention project to confine flows from the Atlas-14 100-year event. Detention Ponds and channel improvements are included as part of the project's scope.	06000001,06000015	Chambers	12040203
063000481	Staples Drive Improvements	Install a trunkline at Staples Drive for alleviating flooding in the neighborhood. Channel improvements are to be completed downstream of the trunkline along Horsepen Bayou to eliminate impacts.	06000001,06000015	Chambers	12040203

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	HUC12s	Watershed Name	Project Type
063000471	Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	120401040604	06000090	Comprehensive
063000472	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	120401040203	06000077	Detention Pond
063000473	Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	120401040201	06000077	Detention Pond
063000474	Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)	120401040501, 120401040502, 120401040703, 120402040100, 120402040200, 120402040400	06000095, 06000086, 06000085, 06000107, 06000109, 06000106	Comprehensive
063000475	Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	120401040604	06000090	Comprehensive
063000476	Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)	120401020104	06000029	Detention Pond
063000477	P118-E006 (Hardy West) (2018 Bond Project C-41)	120401040604, 120401040304, 120401040603, 120401040701	06000090, 06000081, 06000089, 06000093	Detention Pond
063000480	Kilgore Regional Detention Atlas 14 Upgrade	120402030106	06000104	Comprehensive
063000481	Staples Drive Improvements	120402030106	06000104	Comprehensive

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
063000471	Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	51.95	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District (HCFCD), Harris County	No
063000472	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	44.83	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District (HCFCD), Harris County	No
063000473	Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	54.98	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Harris County Flood Control District (HCFCD), Harris County	No
063000474	Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)	200.95	Riverine, Urban/Local	Harris County Flood Control District (HCFCD)	Brazoria County, Galveston County, Fort Bend County, Harris County, Nassau Bay, Missouri City, Pearland, Clear Lake Shores, Friendswood, Bellaire, Houston, El Lago, Manvel, Alvin, Brookside Village, La Marque, Webster, Pasadena, Kemah, Seabrook, Shoreacres, Taylor Lake Village, San Jacinto Region Boundary	No
063000475	Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	51.95	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District (HCFCD), Harris County	No
063000476	Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)	274.06	Riverine	Harris County Flood Control District (HCFCD)	Harris County Flood Control District (HCFCD), Harris County	No
063000477	P118-E006 (Hardy West) (2018 Bond Project C-41)	51.95	Riverine	Harris County Flood Control District (HCFCD)	Harris County	No
063000480	Kilgore Regional Detention Atlas 14 Upgrade	1.59	Riverine	Chambers County	Chambers, Baytown, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Houston-Galveston Area Council, Chambers County Improvement District 3, Chambers County MUD 1, Coastal Water Authority, Baytown Area Water Authority, Trinity River Authority of Texas, Gulf Coast Protection District, Chambers County Improvement District 2	No
063000481	Staples Drive Improvements	0.09	Urban/Local	Chambers County	Chambers, Baytown, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Houston-Galveston Area Council, Chambers County Improvement District 3, Chambers County MUD 1, Coastal Water Authority, Baytown Area Water Authority, Trinity River Authority of Texas, Gulf Coast Protection District, Chambers County Improvement District 2	No

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Cost/Structure removed	Percent Nature-Based Solution (by cost)	Negative Impact (Y/N)
063000471	Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	$ 38,230,000.00		$503,026.31	0	No
063000472	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	$ 11,440,000.00		$193,898.31	0	No
063000473	Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	$ 2,553,000.00		$510,600.00	0	No
063000474	Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)	$ 295,268,000.00		$383,464.94	0	No
063000475	Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	$ 40,780,000.00		$10,195,000.00	0	No
063000476	Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)	$ 345,330,000.00		$232,076.63	0	No
063000477	P118-E006 (Hardy West) (2018 Bond Project C-41)	$ 32,053,000.00		$525,459.00	0	No
063000480	Kilgore Regional Detention Atlas 14 Upgrade	$ 157,246,000.00		$157,246,000.00	0	No
063000481	Staples Drive Improvements	$ 4,878,000.00		$1,219,500.00	0	No

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	BCR	Social Vulnerability Index (SVI)	RFPG Recommendation (Y/N)	Reason for Recommendation
063000471	Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	No	No	0.18	0.87	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000472	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	No	No	0.18	0.26	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000473	Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	No	No	0.05	0.19	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000474	Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)	No	No	0.54	0.34	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000475	Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	No	No	0.21	0.79	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000476	Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)	No	No	0.39	0.24	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000477	P118-E006 (Hardy West) (2018 Bond Project C-41)	No	No	0.38	0.72	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000480	Kilgore Regional Detention Atlas 14 Upgrade	No	No	0.02	0.19	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000481	Staples Drive Improvements	No	No	5.26	0.19	Yes	Alignment with RFPG goals and TWDB guidance principles.

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties	HUC8s
063000482	Saw Pit Gully Crossing Improvements	Upgrade the culvert crossing at FM 1405 as well as select crossings downstream along Saw Pit Gully. Channel improvements are to be completed alongside the upgrades to eliminate impacts.	06000001,06000015	Chambers	12040203
063000483	Smith Gully and Barbers Hill Ditch	Channel improvements for 100-year capacity in Smith Gully and Barbers Hill Ditch.	06000001,06000003,06000004,06000015	Chambers	12040203

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	HUC12s	Watershed Name	Project Type
063000482	Saw Pit Gully Crossing Improvements	120402030106	06000104	Comprehensive
063000483	Smith Gully and Barbers Hill Ditch	120302030304, 120402030105, 120402030104	06000103, 06000102	Channel

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)
063000482	Saw Pit Gully Crossing Improvements	1.15	Riverine	Chambers County	Chambers, Baytown, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Houston-Galveston Area Council, Chambers County Improvement District 3, Chambers County MUD 1, Coastal Water Authority, Baytown Area Water Authority, Trinity River Authority of Texas, Gulf Coast Protection District, Chambers County Improvement District 2	No
063000483	Smith Gully and Barbers Hill Ditch	68.74	Riverine	Chambers County	Chambers, Mont Belvieu, San Jacinto Region Boundary, Gulf Coast Waste Disposal Authority, Houston-Galveston Area Council, Coastal Water Authority, Baytown Area Water Authority, Trinity River Authority of Texas, Gulf Coast Protection District	No

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Estimated Project Cost ($)	Potential Funding Sources and Amount	Cost/Structure removed	Percent Nature-Based Solution (by cost)	Negative Impact (Y/N)
063000482	Saw Pit Gully Crossing Improvements	$ 10,904,000.00		$605,777.75	0	No
063000483	Smith Gully and Barbers Hill Ditch	$ 49,467,000.00		$9,893,400.00	0	No

Appendix 5-7: Table 16 - Potentially Feasible Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	BCR	Social Vulnerability Index (SVI)	RFPG Recommendation (Y/N)	Reason for Recommendation
063000482	Saw Pit Gully Crossing Improvements	No	No	0.37	0.19	Yes	Alignment with RFPG goals and TWDB guidance principles.
063000483	Smith Gully and Barbers Hill Ditch	No	No	0.05	0.54	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-8:

Table 17- Recommended FMSs

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)
062000001	City of Bellaire Roadway and Drainage Improvements	Perform engineering services in support of the local drainage asset management planning, to repair or reconstruct antiquated local drainage and associated road infrastructure. Including design of storm sewers, roadways, and overland storage/conveyance.	06000001, 06000015
062000002	City of Bellaire Non-Structural Flood Risk Reduction Strategies	Conduct planning and outreach efforts to identify residents interested in buy-out, home elevation, or flood proofing programs, and develop plans or grant applications to support interested parties.	06000001, 06000015
062000003	City of Bellaire Drainage Requirements and Flood Damage Prevention Ordinance	Develop updates to Bellaire's residential and non-residential drainage requirements and the City's flood damage prevention ordinance, in alignment with Bellaire's broader flood risk management goals and objectives.	06000001, 06000015
062000004	City of Bellaire Surrounding Area Drainage Improvements	Partner with surrounding municipalities/governmental agencies to identify drainage improvements (conveyance or detention) which could minimize extreme event sheet flow entering into Bellaire.	06000001, 06000015
062000005	City of Bellaire Floodwater Public Awareness Initiatives	Periodically distribute messages to residents warning of dangers of walking or playing in floodwaters. Develop a plan with local schools to educate children to avoid walking, playing, or riding bicycles in floodwaters.	06000001, 06000005, 06000006, 06000010, 06000015
062000006	City of Bunker Hill Community Outreach	Community Outreach (flooded street identification, marking and signage)	06000001, 06000005, 06000006, 06000010, 06000015
062000007	City of Bunker Hill Dam/Levee Maintenance and Monitoring Plan	Minimize the risk of dam/levee failure and related damage to existing and proposed structures by monitoring the maintenance and inspection schedules.	06000001, 06000015
062000008	Harris County Hazard Mitigation Action AW-3	Utilizing the existing public outreach capability to develop, deploy, and disseminate targeted outreach projects promoting risk communication, mitigation and resilience to all the hazards of concern.	06000001, 06000005, 06000006, 06000010, 06000015
062000009	Harris County Hazard Mitigation Action AW-4	Strive to capture time-sensitive data such as high-water marks, extent and location of hazard, and loss information to support future updates to risk assessments as well as other plans and programs that utilize hazard extent data.	06000001, 06000010, 06000015
062000010	Harris County Hazard Mitigation Action AW-5	Continue to develop, improve, and implement an enhanced mass public warning and alert system within the Harris County Joint Information Center to provide warning capability throughout Harris County to support the emergency management of all hazards.	06000001, 06000010, 06000015
062000011	Harris County Hazard Mitigation Action AW-6	Utilize viable and relevant information, data and tools (Hazus models) developed as part of the update to the risk assessment of this plan update to support training and exercise of the County's preparedness, response and recovery programs.	06000001, 06000010, 06000015
062000012	City of Alvin CRS Application	Apply and once accepted maintain and/or improve CRS status. Cost is time, data and preparation of a CRS application. Benefit, if approved homeowner with flood insurance could receive a discount based on the City's CRS score.	06000001, 06000015
062000013	Brazoria County Increased Cost of Compliance Education	Implement campaign on public education of ICC (Increased Cost of Compliance) coverage.	06000001, 06000005, 06000006, 06000010, 06000015

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Counties	HUC8s	HUC12s	Watershed Name	Project Type
062000001	City of Bellaire Roadway and Drainage Improvements	Harris	12040104	120401040402, 120401040401	06000084, 06000083	Other
062000002	City of Bellaire Non-Structural Flood Risk Reduction Strategies	Harris	12040104	120401040402, 120401040401	06000084, 06000083	Other
062000003	City of Bellaire Drainage Requirements and Flood Damage Prevention Ordinance	Harris	12040104	120401040402, 120401040401	06000084, 06000083	Other
062000004	City of Bellaire Surrounding Area Drainage Improvements	Harris	12040104	120401040402, 120401040401	06000084, 06000083	Other
062000005	City of Bellaire Floodwater Public Awareness Initiatives	Harris	12040104	120401040402, 120401040401	06000084, 06000083	Education and Outreach
062000006	City of Bunker Hill Community Outreach	Harris	12040104	120401040303	06000080	Education and Outreach
062000007	City of Bunker Hill Dam/Levee Maintenance and Monitoring Plan	Harris	12040104	120401040303	06000080	Other
062000008	Harris County Hazard Mitigation Action AW-3	Harris	12040101, 12040102, 12040103, 12040104, 12040203, 12040204	999999	999999	Education and Outreach
062000009	Harris County Hazard Mitigation Action AW-4	Harris	12040101, 12040102, 12040103, 12040104, 12040203, 12040204	999999	999999	Flood Measurement and Warning
062000010	Harris County Hazard Mitigation Action AW-5	Harris	12040101, 12040102, 12040103, 12040104, 12040203, 12040204	999999	999999	Flood Measurement and Warning
062000011	Harris County Hazard Mitigation Action AW-6	Harris	12040101, 12040102, 12040103, 12040104, 12040203, 12040204	999999	999999	Flood Measurement and Warning
062000012	City of Alvin CRS Application	Brazoria	12040204	120402040200, 120402040400, 120402040100	06000107, 06000109, 06000106	Other
062000013	Brazoria County Increased Cost of Compliance Education	Brazoria	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000107, 06000109, 06000106	Education and Outreach

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Strategy Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight
062000001	City of Bellaire Roadway and Drainage Improvements	3.6	Urban/Local	City of Bellaire	Harris, Bellaire, Harris County Flood Control District
062000002	City of Bellaire Non-Structural Flood Risk Reduction Strategies	3.6	Urban/Local	City of Bellaire	Harris, Bellaire
062000003	City of Bellaire Drainage Requirements and Flood Damage Prevention Ordinance	3.6	Urban/Local	City of Bellaire	Harris, Harris County Flood Control District, Bellaire
062000004	City of Bellaire Surrounding Area Drainage Improvements	3.6	Urban/Local	City of Bellaire	Harris, Harris County Flood Control District, Bellaire
062000005	City of Bellaire Floodwater Public Awareness Initiatives	3.6	Urban/Local	City of Bellaire	Bellaire
062000006	City of Bunker Hill Community Outreach	1.4	Urban/Local	City of Bunker Hill Village	Harris, Harris County Flood Control District, Bunker Hill Village
062000007	City of Bunker Hill Dam/Levee Maintenance and Monitoring Plan	1.4	Riverine, Urban/Local	City of Bunker Hill Village	Harris, Harris County Flood Control District, Houston, Bunker Hill Village
062000008	Harris County Hazard Mitigation Action AW-3	1,770.8	Riverine, Urban/Local	Harris County	Harris
062000009	Harris County Hazard Mitigation Action AW-4	1,770.8	Riverine, Urban/Local	Harris County	Harris
062000010	Harris County Hazard Mitigation Action AW-5	1,770.8	Riverine, Urban/Local	Harris County	Harris
062000011	Harris County Hazard Mitigation Action AW-6	1,770.8	Riverine, Urban/Local	Harris County	Harris
062000012	City of Alvin CRS Application	15.7	Riverine, Urban/Local	City of Alvin	Brazoria, Alvin
062000013	Brazoria County Increased Cost of Compliance Education	1,481.6	Riverine, Coastal, Urban/Local	Brazoria County	Brazoria

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Emergency Need (Y/N)	Estimated Project Cost ($)	Potential Funding Sources and Amount	Cost/Structure removed	Consideration of Nature-Based Solution (Y/N)
062000001	City of Bellaire Roadway and Drainage Improvements	N	$ 3,000,000	Bonds/Other Financing (25%)	0	0
062000002	City of Bellaire Non-Structural Flood Risk Reduction Strategies	N	$ 50,000	Other (25%)	0	0
062000003	City of Bellaire Drainage Requirements and Flood Damage Prevention Ordinance	N	$ 50,000	General Revenue (25%)	0	0
062000004	City of Bellaire Surrounding Area Drainage Improvements	N	$ 100,000	General Revenue (25%)	0	0
062000005	City of Bellaire Floodwater Public Awareness Initiatives	N	$ 50,000	General Revenue (25%)	0	0
062000006	City of Bunker Hill Community Outreach	N	$ 100,000		0	0
062000007	City of Bunker Hill Dam/Levee Maintenance and Monitoring Plan	N	$ 500,000		0	0
062000008	Harris County Hazard Mitigation Action AW-3	N	$ 100,000		0	0
062000009	Harris County Hazard Mitigation Action AW-4	N	$ 300,000		0	0
062000010	Harris County Hazard Mitigation Action AW-5	N	$ 100,000		0	0
062000011	Harris County Hazard Mitigation Action AW-6	N	$ 500,000		0	0
062000012	City of Alvin CRS Application	N	$ 25,000	Entity Budget/Funds (100%)	0	0
062000013	Brazoria County Increased Cost of Compliance Education	N	$ 20,000		0	0

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
062000001	City of Bellaire Roadway and Drainage Improvements	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000002	City of Bellaire Non-Structural Flood Risk Reduction Strategies	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000003	City of Bellaire Drainage Requirements and Flood Damage Prevention Ordinance	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000004	City of Bellaire Surrounding Area Drainage Improvements	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000005	City of Bellaire Floodwater Public Awareness Initiatives	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000006	City of Bunker Hill Community Outreach	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000007	City of Bunker Hill Dam/Levee Maintenance and Monitoring Plan	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000008	Harris County Hazard Mitigation Action AW-3	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000009	Harris County Hazard Mitigation Action AW-4	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000010	Harris County Hazard Mitigation Action AW-5	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000011	Harris County Hazard Mitigation Action AW-6	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000012	City of Alvin CRS Application	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000013	Brazoria County Increased Cost of Compliance Education	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)
062000014	City of Galveston NFIP CRS Rating	Maintain membership of the NFIP's CRS	06000001, 06000015
062000015	Develop Applicable Plans and Studies to Address Hazard Mitigation in Galveston County	Review planning needs annually to include, but not be limited to, CEMP, debris management, stormwater management, master plan, drainage, drought, GIS mapping, complete study to locate areas prone to expansive soils and land subsidence, etc.	06000001, 06000007, 06000015
062000016	Waller County Elevation Certificate Requirement	Require and maintain FEMA elevation certificates for all new/improved building in the special flood hazard area (SFHA).	06000001, 06000007, 06000010, 06000015
062000017	Develop Program to Optimize Operation of the Flood Gates at Second Cut Outlet in City of Kemah	Develop program to integrate with the Harris County Flood Control District for the purpose of optimizing the operation of the flood gates at second cut outlet.	06000001, 06000007, 06000010, 06000015
062000018	Galveston County-wide Education and Outreach	Provide educational information related to preparedness, mitigation, response, and recovery to the public.	06000001, 06000005, 06000006, 06000010, 06000015
062000019	Public Information and Awareness in City of New Waverly	Rewrite, improve, and implement new local floodplain regulations, to include a public information campaign on regulatory awareness.	06000001, 06000005, 06000006, 06000010, 06000015
062000020	Promotion of Flood Insurance in City of Arcola	Promote the purchase of flood insurance. Advertise the availability, cost, and coverage of flood insurance through the NFIP.	06000001, 06000005, 06000006, 06000010, 06000015
062000021	City of Todd Mission Public Outreach & Education	Provide educational information related to preparedness, mitigation, response, and recovery to the public.	06000001, 06000005, 06000006, 06000010, 06000015
062000022	Increase Public Awareness of Hazards in City of Arcola	Increase public awareness of hazards and hazardous areas. Distribute public awareness information regarding flood hazards.	06000001, 06000005, 06000006, 06000010, 06000015

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Counties	HUC8s	HUC12s	Watershed Name	Project Type
062000014	City of Galveston NFIP CRS Rating	Galveston	12040204	120402040300, 120402040200, 120402040400, 120402040500	06000108, 06000107, 06000109, 06000110	Other
062000015	Develop Applicable Plans and Studies to Address Hazard Mitigation in Galveston County	Galveston	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000107, 06000109, 06000106	Regulatory and Guidance
062000016	Waller County Elevation Certificate Requirement	Waller	12040101, 12040103	120401010104, 120401010101, 120401010102, 120401010103, 120401010201, 120401010202, 120401010203, 120401010204, 120401030101, 120401030106, 120401030303, 120401030305, 120401030301, 120401030302	06000004, 06000001, 06000002, 06000003, 06000005, 06000006, 06000007, 06000008, 06000046, 06000051, 06000063, 06000065, 06000061, 06000062	Regulatory and Guidance
062000017	Develop Program to Optimize Operation of the Flood Gates at Second Cut Outlet in City of Kemah	Galveston	12040204	120402040200, 120402040100	06000107, 06000106	Regulatory and Guidance
062000018	Galveston County-wide Education and Outreach	Galveston, Harris	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000107, 06000109, 06000106	Education and Outreach
062000019	Public Information and Awareness in City of New Waverly	Walker	12040103	120401030101	06000046	Education and Outreach
062000020	Promotion of Flood Insurance in City of Arcola	Fort Bend	12040204	120402040400	06000109	Education and Outreach
062000021	City of Todd Mission Public Outreach & Education	Grimes	12040102	120401020203, 120401020206	06000035, 06000038	Education and Outreach
062000022	Increase Public Awareness of Hazards in City of Arcola	Fort Bend	12040204	120402040400	06000109	Education and Outreach

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Strategy Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight
062000014	City of Galveston NFIP CRS Rating	53.4	Riverine, Coastal, Urban/Local	City of Galveston	Galveston
062000015	Develop Applicable Plans and Studies to Address Hazard Mitigation in Galveston County	665.1	Riverine, Coastal, Urban/Local	Galveston County	Galveston
062000016	Waller County Elevation Certificate Requirement	797.9	Riverine, Urban/Local	Waller County	Waller, Waller, Hempstead, Brookshire, Brookshire Katy Drainage District, Katy
062000017	Develop Program to Optimize Operation of the Flood Gates at Second Cut Outlet in City of Kemah	1.9	Riverine, Coastal, Urban/Local	City of Kemah	Galveston, Harris County Flood Control District, Kemah
062000018	Galveston County-wide Education and Outreach	665.0	Riverine, Coastal, Urban/Local	Galveston County	Galveston
062000019	Public Information and Awareness in City of New Waverly	2.2	Urban/Local	City of New Waverly	Walker, New Waverly
062000020	Promotion of Flood Insurance in City of Arcola	2.6	Riverine, Urban/Local	City of Arcola	Fort Bend, Arcola
062000021	City of Todd Mission Public Outreach & Education	2.0	Riverine, Urban/Local	City of Todd Mission	Todd Mission
062000022	Increase Public Awareness of Hazards in City of Arcola	2.6	Riverine, Urban/Local	City of Arcola	Arcola

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Emergency Need (Y/N)	Estimated Project Cost ($)	Potential Funding Sources and Amount	Cost/Structure removed	Consideration of Nature-Based Solution (Y/N)
062000014	City of Galveston NFIP CRS Rating	N	$ 10,000		0	0
062000015	Develop Applicable Plans and Studies to Address Hazard Mitigation in Galveston County	N	$ 100,000		0	0
062000016	Waller County Elevation Certificate Requirement	N	$ 50,000	General Revenue (50%)	0	0
062000017	Develop Program to Optimize Operation of the Flood Gates at Second Cut Outlet in City of Kemah	N	$ 100,000		0	0
062000018	Galveston County-wide Education and Outreach	N	$ 50,000		0	0
062000019	Public Information and Awareness in City of New Waverly	N	$ 10,000		0	0
062000020	Promotion of Flood Insurance in City of Arcola	N	$ 50,000		0	0
062000021	City of Todd Mission Public Outreach & Education	N	$ 20,000		0	0
062000022	Increase Public Awareness of Hazards in City of Arcola	N	$ 50,000		0	0

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
062000014	City of Galveston NFIP CRS Rating	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000015	Develop Applicable Plans and Studies to Address Hazard Mitigation in Galveston County	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000016	Waller County Elevation Certificate Requirement	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000017	Develop Program to Optimize Operation of the Flood Gates at Second Cut Outlet in City of Kemah	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000018	Galveston County-wide Education and Outreach	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000019	Public Information and Awareness in City of New Waverly	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000020	Promotion of Flood Insurance in City of Arcola	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000021	City of Todd Mission Public Outreach & Education	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000022	Increase Public Awareness of Hazards in City of Arcola	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)
062000023	Expand Development of Emergency Notification System in Liberty County	Expand development of emergency notification system/work to establish public awareness of emergency notification process.	06000001, 06000005, 06000006, 06000010, 06000015
062000025	Galveston County Stormproof/Retrofit Infrastructure	Stormproof/retrofit critical facilities and infrastructure for county-owned properties and unincorporated areas.	06000001, 06000003, 06000004, 06000015
062000026	Implement Stormwater Management Plan in City of Bayou Vista	Implement stormwater management plan to improve drainage during flood and other weather events.	06000001, 06000007, 06000015
062000027	Walker County Public Information and Awareness	Purchase high water (flood) indicators for low water river crossing for county roads.	06000001, 06000010, 06000015
062000028	City of Bayou Vista Severe Weather Warning Systems	Purchase and install severe weather warning systems	06000001, 06000010, 06000015
062000029	Natural Infrastructure Project Barker Reservoir Headwater Acquisition and Restoration	Purchase and restore agricultutal & natural lands at the headwater of Barker Reservoir. Manage land for agricultual use, restore native landscape like grasslands and wetlands, and enhance management practices. Provides natural flood mitigation benefits.	06000001, 06000013, 06000014
062000030	Natural Infrastructure Project Mound Creek Conservation	Purhase conservation easement from landowner to permanently conserve as agricultural/natural areas. KPC to ensure land remains undeveloped agriculutural land and maintain conservation. Would provide multiple benefits such as flood mitigation, and more.	06000001, 06000013, 06000014

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Counties	HUC8s	HUC12s	Watershed Name	Project Type
062000023	Expand Development of Emergency Notification System in Liberty County	Liberty	12040103, 12040203	120401030201, 120401030108, 120401030109, 120401030205, 120401030402, 120401030203, 120401030204, 120401030202, 120401030401, 120402030104, 120402030103, 120402030102, 120402030101	06000056, 06000053, 06000054, 06000060, 06000070, 06000058, 06000059, 06000057, 06000069, 06000102, 06000101, 06000100, 06000099	Education and Outreach
062000025	Galveston County Stormproof/Retrofit Infrastructure	Galveston	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000107, 06000109, 06000106	Infrastructure Projects
062000026	Implement Stormwater Management Plan in City of Bayou Vista	Galveston	12040204	120402040200	06000107	Regulatory and Guidance
062000027	Walker County Public Information and Awareness	Walker	12040101, 12040103	120401010104, 120401010101, 120401010102, 120401010103, 120401010201, 120401010202, 120401010203, 120401010204, 120401030101, 120401030106, 120401030303, 120401030305, 120401030301, 120401030302	06000004, 06000001, 06000002, 06000003, 06000005, 06000006, 06000007, 06000008, 06000046, 06000051, 06000063, 06000065, 06000061, 06000062	Flood Measurement and Warning
062000028	City of Bayou Vista Severe Weather Warning Systems	Galveston	12040204	120402040200	06000107	Flood Measurement and Warning
062000029	Natural Infrastructure Project Barker Reservoir Headwater Acquisition and Restoration	Waller	12040102, 12040104	120401020103, 120401040101	06000028, 06000071	Property Acquisition and Structural Elevation
062000030	Natural Infrastructure Project Mound Creek Conservation	Harris, Waller	12040102	120401020103, 120401020101	06000028, 06000026	Property Acquisition and Structural Elevation

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Strategy Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight
062000023	Expand Development of Emergency Notification System in Liberty County	1,169.8	Riverine, Urban/Local	Liberty County	Liberty
062000025	Galveston County Stormproof/Retrofit Infrastructure	665.2	Riverine, Coastal, Urban/Local	Galveston County	Galveston, Galveston
062000026	Implement Stormwater Management Plan in City of Bayou Vista	0.4	Riverine, Coastal, Urban/Local	City of Bayou Vista	Bayou Vista
062000027	Walker County Public Information and Awareness	797.7	Riverine, Urban/Local	Walker County	Walker
062000028	City of Bayou Vista Severe Weather Warning Systems	0.4	Riverine, Coastal, Urban/Local	City of Bayou Vista	Bayou Vista
062000029	Natural Infrastructure Project Barker Reservoir Headwater Acquisition and Restoration	1.8	Riverine, Urban/Local	Coastal Prairie Conservancy	Harris, Waller, Harris County Flood Control District
062000030	Natural Infrastructure Project Mound Creek Conservation	3.3	Riverine, Urban/Local	Coastal Prairie Conservancy	Harris, Waller, Harris County Flood Control District

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Emergency Need (Y/N)	Estimated Project Cost ($)	Potential Funding Sources and Amount	Cost/Structure removed	Consideration of Nature-Based Solution (Y/N)
062000023	Expand Development of Emergency Notification System in Liberty County	N	$ 10,000		0	0
062000025	Galveston County Stormproof/Retrofit Infrastructure	Y	$ 5,000,000		0	0
062000026	Implement Stormwater Management Plan in City of Bayou Vista	N	$ 25,000		0	0
062000027	Walker County Public Information and Awareness	N	$ 122,720		0	0
062000028	City of Bayou Vista Severe Weather Warning Systems	N	$ 35,000		0	0
062000029	Natural Infrastructure Project Barker Reservoir Headwater Acquisition and Restoration	N	$ 33,000,000		0	0
062000030	Natural Infrastructure Project Mound Creek Conservation	N	$ 32,000,000		0	0

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
062000023	Expand Development of Emergency Notification System in Liberty County	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000025	Galveston County Stormproof/Retrofit Infrastructure	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000026	Implement Stormwater Management Plan in City of Bayou Vista	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000027	Walker County Public Information and Awareness	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000028	City of Bayou Vista Severe Weather Warning Systems	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000029	Natural Infrastructure Project Barker Reservoir Headwater Acquisition and Restoration	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000030	Natural Infrastructure Project Mound Creek Conservation	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)
062000031	Brazoria County Structure Elevation	Elevate structures in flood zone. Over 70% of these structures are pre-firm and do not meet current FEMA elevation standards. FEMA estimates that over 400 structures may be substantially damaged and must be elevated to meet current standards.	06000001, 06000015
062000032	Brazoria County Non-structural Mitigation / Land Preservation	Up to 35,0000 acres of land could be purchased to help reduce the impacts of natrual hazards by converting the space to floodwater storage, groundwater recharge, erosion, drought mitigation, in the form of public green space.	06000001, 06000015
062000033	City of Bellaire Flood Rescue Plan	Develop a plan to address rescues from both one-story and two-story homes. This includes evacuating disabled/physically impaired/elderly individuals from homes in advance of anticipated extreme rainfall events.	06000001, 06000007, 06000010, 06000015
062000034	Brazoria County Dam and Levee Failure Outreach and Education campaign	Implement an outreach and education campaign to educate the public on mitigation techniques for dam and levee failure to reduce loss of life and property.	06000001, 06000005, 06000006, 06000010, 06000015
062000035	Amending Grimes County Floodplain Ordinance	Prohibit the building of any new structures located down-stream of high hazard dams by amending the floodplain ordinance.	06000001, 06000007, 06000015
062000036	Grimes County Property Acquisition	Per NFIP participation, the acquisition of structures located in the 100-year flood plain and in dam inundation areas.	06000001, 06000015

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Counties	HUC8s	HUC12s	Watershed Name	Project Type
062000031	Brazoria County Structure Elevation	Brazoria	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000107, 06000109, 06000106	Property Acquisition and Structural Elevation
062000032	Brazoria County Non-structural Mitigation / Land Preservation	Brazoria	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000107, 06000109, 06000106	Property Acquisition and Structural Elevation
062000033	City of Bellaire Flood Rescue Plan	Harris	12040104	120401040402, 120401040401	06000084, 06000083	Regulatory and Guidance
062000034	Brazoria County Dam and Levee Failure Outreach and Education campaign	Brazoria	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000107, 06000109, 06000106	Education and Outreach
062000035	Amending Grimes County Floodplain Ordinance	Grimes	12040101, 12040102	120401010101, 120401010301, 120401010302, 120401010303, 120401010103, 120401010304, 120401010305, 120401010306, 120401020202, 120401020203, 120401020207, 120401020206	06000001, 06000012, 06000013, 06000014, 06000003, 06000015, 06000016, 06000017, 06000034, 06000035, 06000039, 06000038	Regulatory and Guidance
062000036	Grimes County Property Acquisition	Grimes	12040101, 12040102	120401010101, 120401010301, 120401010302, 120401010303, 120401010103, 120401010304, 120401010305, 120401010306, 120401020202, 120401020203, 120401020207, 120401020206	06000001, 06000012, 06000013, 06000014, 06000003, 06000015, 06000016, 06000017, 06000034, 06000035, 06000039, 06000038	Property Acquisition and Structural Elevation

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Strategy Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight
062000031	Brazoria County Structure Elevation	1,481.9	Riverine, Urban/Local, Coastal	Brazoria County	Brazoria, Alvin, Iowa Colony, Pearland
062000032	Brazoria County Non-structural Mitigation / Land Preservation	1,481.9	Riverine, Urban/Local, Coastal	Brazoria County	Brazoria, Alvin, Iowa Colony, Pearland
062000033	City of Bellaire Flood Rescue Plan	3.6	Riverine, Urban/Local	City of Bellaire	Bellaire
062000034	Brazoria County Dam and Levee Failure Outreach and Education campaign	1,481.9	Riverine, Urban/Local, Coastal	Brazoria County	Brazoria, Alvin, Iowa Colony, Pearland
062000035	Amending Grimes County Floodplain Ordinance	798.9	Riverine, Urban/Local	Grimes County	Grimes, Todd Mission
062000036	Grimes County Property Acquisition	798.9	Riverine, Urban/Local	Grimes County	Grimes, Todd Mission

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Emergency Need (Y/N)	Estimated Project Cost ($)	Potential Funding Sources and Amount	Cost/Structure removed	Consideration of Nature-Based Solution (Y/N)
062000031	Brazoria County Structure Elevation	Y	$ 60,000,000		0	0
062000032	Brazoria County Non-structural Mitigation / Land Preservation	Y	$ 65,000,000		0	0
062000033	City of Bellaire Flood Rescue Plan	N	$ 200,000	General Revenue (25%)	0	0
062000034	Brazoria County Dam and Levee Failure Outreach and Education campaign	N	$ 20,000		0	0
062000035	Amending Grimes County Floodplain Ordinance	N	$ 20,000		0	0
062000036	Grimes County Property Acquisition	Y	$ 95,000		0	0

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
062000031	Brazoria County Structure Elevation	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000032	Brazoria County Non-structural Mitigation / Land Preservation	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000033	City of Bellaire Flood Rescue Plan	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000034	Brazoria County Dam and Levee Failure Outreach and Education campaign	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000035	Amending Grimes County Floodplain Ordinance	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000036	Grimes County Property Acquisition	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)
062000037	Property Acquisition Down-Stream of High Hazard Dams in Grimes County	Acquire homes located down-stream of high hazard dams.	06000001, 06000015
062000038	Walker County Property Acquisition in Deep River Plantation Subdivision	Acquire flood loss properties and properties prone to flooding in the Deep River Plantation Subdivision.	06000001, 06000015
062000039	City of Santa Fe Stormproof/retrofit New Critical Infrastructure	New construction and existing critical facilities and infrastructure should include advanced mitigation techniques.	06000001, 06000007, 06000015
062000040	Waller County Drainage System Maintenance	Project will clear obstacles, widen and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding in all participating jurisdictions.	06000001, 06000003, 06000004, 06000015

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Counties	HUC8s	HUC12s	Watershed Name	Project Type
062000037	Property Acquisition Down-Stream of High Hazard Dams in Grimes County	Grimes	12040101, 12040102	120401010101, 120401010301, 120401010302, 120401010303, 120401010103, 120401010304, 120401010305, 120401010306, 120401020202, 120401020203, 120401020207, 120401020206	06000001, 06000012, 06000013, 06000014, 06000003, 06000015, 06000016, 06000017, 06000034, 06000035, 06000039, 06000038	Property Acquisition and Structural Elevation
062000038	Walker County Property Acquisition in Deep River Plantation Subdivision	Walker	12040101, 12040103	120401010104, 120401010101, 120401010102, 120401010103, 120401010201, 120401010202, 120401010203, 120401010204, 120401030101, 120401030106, 120401030303, 120401030305, 120401030301, 120401030302	06000004, 06000001, 06000002, 06000003, 06000005, 06000006, 06000007, 06000008, 06000046, 06000051, 06000063, 06000065, 06000061, 06000062	Property Acquisition and Structural Elevation
062000039	City of Santa Fe Stormproof/retrofit New Critical Infrastructure	Galveston	12040204	120402040300, 120402040200	06000108, 06000107	Regulatory and Guidance
062000040	Waller County Drainage System Maintenance	Waller	12040102, 12040104	120401020102, 120401020103, 120401020204, 120401020101, 120401020201, 120401020202, 120401020203, 120401020205, 120401020207, 120401020206, 120401040102, 120401040103, 120401040101, 120401040203	06000027, 06000028, 06000036, 06000026, 06000033, 06000034, 06000035, 06000037, 06000039, 06000038, 06000072, 06000073, 06000071, 06000077	Infrastructure Projects

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Strategy Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight
062000037	Property Acquisition Down-Stream of High Hazard Dams in Grimes County	798.9	Riverine, Urban/Local	Grimes County	Walker
062000038	Walker County Property Acquisition in Deep River Plantation Subdivision	797.8	Riverine, Urban/Local	Walker County	Walker
062000039	City of Santa Fe Stormproof/retrofit New Critical Infrastructure	17.0	Riverine, Urban/Local	City of Santa Fe	Santa Fe
062000040	Waller County Drainage System Maintenance	515.9	Riverine, Urban/Local	Waller County	Waller, Waller, Brookshire Katy Drainage District, Katy

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Emergency Need (Y/N)	Estimated Project Cost ($)	Potential Funding Sources and Amount	Cost/Structure removed	Consideration of Nature-Based Solution (Y/N)
062000037	Property Acquisition Down-Stream of High Hazard Dams in Grimes County	Y	$ 1,000,000		0	0
062000038	Walker County Property Acquisition in Deep River Plantation Subdivision	Y	$ 2,475,000		0	0
062000039	City of Santa Fe Stormproof/retrofit New Critical Infrastructure	N	$ 5,000,000		0	0
062000040	Waller County Drainage System Maintenance	0	$ 2,500,000	General Revenue (50%)	0	0

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
062000037	Property Acquisition Down-Stream of High Hazard Dams in Grimes County	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000038	Walker County Property Acquisition in Deep River Plantation Subdivision	No	No	No	No	Outside of San Jacinto region.
062000039	City of Santa Fe Stormproof/retrofit New Critical Infrastructure	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000040	Waller County Drainage System Maintenance	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)
062000041	Waller County Flood Hazard Public Information Campaign	Posting of signage at high profile locations and use of social media to communicate threats/concers. Flood gauges for common flooded road crossings. Burn ban signs.	06000001, 06000005, 06000006, 06000010, 06000015
062000042	Waller County Freeboard Requirement Update	The county may increase its freeboard requirement to 24-in from 18-in above the base flood elevation. County may require that all new lots within a platted subdivision be located fully outside of the floodplain. Applicable to all floodplain development.	06000001, 06000007, 06000015
062000043	Install Outdoor Early warning System in Walker County	Install Outdoor Early warning System to provide citizens early warning of an impending disaster, or an event that would affect the life and/or property of the citizens.	06000001, 06000005, 06000006, 06000010, 06000015

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Counties	HUC8s	HUC12s	Watershed Name	Project Type
062000041	Waller County Flood Hazard Public Information Campaign	Waller	12040102, 12040104	120401020102, 120401020103, 120401020204, 120401020101, 120401020201, 120401020202, 120401020203, 120401020205, 120401020207, 120401020206, 120401040102, 120401040103, 120401040101, 120401040203	06000027, 06000028, 06000036, 06000026, 06000033, 06000034, 06000035, 06000037, 06000039, 06000038, 06000072, 06000073, 06000071, 06000077	Education and Outreach
062000042	Waller County Freeboard Requirement Update	Waller	12040102, 12040104	120401020102, 120401020103, 120401020204, 120401020101, 120401020201, 120401020202, 120401020203, 120401020205, 120401020207, 120401020206, 120401040102, 120401040103, 120401040101, 120401040203	06000027, 06000028, 06000036, 06000026, 06000033, 06000034, 06000035, 06000037, 06000039, 06000038, 06000072, 06000073, 06000071, 06000077	Regulatory and Guidance
062000043	Install Outdoor Early warning System in Walker County	Walker	12040101, 12040103	120401010104, 120401010101, 120401010102, 120401010103, 120401010201, 120401010202, 120401010203, 120401010204, 120401030101, 120401030106, 120401030303, 120401030305, 120401030301, 120401030302	06000004, 06000001, 06000002, 06000003, 06000005, 06000006, 06000007, 06000008, 06000046, 06000051, 06000063, 06000065, 06000061, 06000062	Education and Outreach

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Strategy Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight
062000041	Waller County Flood Hazard Public Information Campaign	515.9	Riverine, Urban/Local	Waller County	Waller, Waller, Hempstead, Brookshire, Brookshire Katy Drainage District, Katy
062000042	Waller County Freeboard Requirement Update	515.9	Riverine, Urban/Local	Waller County	Waller, Waller, Hempstead, Brookshire, Brookshire Katy Drainage District, Katy
062000043	Install Outdoor Early warning System in Walker County	797.8	Riverine, Urban/Local	Walker County	Walker, Huntsville, New Waverly

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Emergency Need (Y/N)	Estimated Project Cost ($)	Potential Funding Sources and Amount	Cost/Structure removed	Consideration of Nature-Based Solution (Y/N)
062000041	Waller County Flood Hazard Public Information Campaign	N	$ 20,000	General Revenue (50%)	0	0
062000042	Waller County Freeboard Requirement Update	N	$ 100,000	General Revenue (100%)	0	0
062000043	Install Outdoor Early warning System in Walker County	N	$ 850,000		0	0

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
062000041	Waller County Flood Hazard Public Information Campaign	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000042	Waller County Freeboard Requirement Update	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000043	Install Outdoor Early warning System in Walker County	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)
062000044	Walker County Public Hazard Information and Awareness Campaign	The county and participating jurisdiction will create and implement an education campaign to educate the public on mitigation techniques for all hazards.	06000001, 06000005, 06000006, 06000010, 06000015
062000045	Retrofit and Harden the Emergency Operations Center Serving Walker County	Retrofit and harden the Emergency Operations Center serving Walker county including city of Huntsville, New Waverly, and Riverside.	06000001, 06000005, 06000006, 06000010, 06000015
062000046	City of Cleveland Drainage Maintenance	Removal of debris, silt and vegetation obstacles in drainageways. Project will clear obstacles, mow and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding.	06000001, 06000003, 06000004, 06000015
062000047	City of Hilcrest Village Land Acquisition	Purchase additional land for retention pond construction to mitigate flooding in flood zones.	06000001, 06000015
062000048	City of Manvel Propery Acquisition	Acquire Repetitive Loss (RL) and Severe Repetitive Loss (SRL) properties in the 100-year flood plain, as identified by FEMA and NFIP.	06000001, 06000015
062000049	City of Bellaire Flood Early Warning System	Develop Flood Early Warning System for the City of Bellaire to inform emergency responders and to assist residents in making safe decisions during major storm events.	06000001, 06000010, 06000015

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Counties	HUC8s	HUC12s	Watershed Name	Project Type
062000044	Walker County Public Hazard Information and Awareness Campaign	Walker	12040101, 12040103	120401010104, 120401010101, 120401010102, 120401010103, 120401010201, 120401010202, 120401010203, 120401010204, 120401030101, 120401030106, 120401030303, 120401030305, 120401030301, 120401030302	06000004, 06000001, 06000002, 06000003, 06000005, 06000006, 06000007, 06000008, 06000046, 06000051, 06000063, 06000065, 06000061, 06000062	Education and Outreach
062000045	Retrofit and Harden the Emergency Operations Center Serving Walker County	Walker	12040101, 12040103	120401010104, 120401010101, 120401010102, 120401010103, 120401010201, 120401010202, 120401010203, 120401010204, 120401030101, 120401030106, 120401030303, 120401030305, 120401030301, 120401030302	06000004, 06000001, 06000002, 06000003, 06000005, 06000006, 06000007, 06000008, 06000046, 06000051, 06000063, 06000065, 06000061, 06000062	Education and Outreach
062000046	City of Cleveland Drainage Maintenance	Liberty, Montgomery, San Jacinto	12040103	120401030201, 120401030108, 120401030109, 120401030203, 120401030202, 120401030401	06000056, 06000053, 06000054, 06000058, 06000057, 06000069	Infrastructure Projects
062000047	City of Hilcrest Village Land Acquisition	Brazoria	12040204	120402040400	06000109	Property Acquisition and Structural Elevation
062000048	City of Manvel Propery Acquisition	Brazoria	12040204	120402040200, 120402040400, 120402040100	06000107, 06000109, 06000106	Property Acquisition and Structural Elevation
062000049	City of Bellaire Flood Early Warning System	Harris	12040104	120401040402, 120401040401	06000084, 06000083	Flood Measurement and Warning

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Strategy Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight
062000044	Walker County Public Hazard Information and Awareness Campaign	797.8	Riverine, Urban/Local	Walker County	Walker, Huntsville, New Waverly
062000045	Retrofit and Harden the Emergency Operations Center Serving Walker County	797.8	Riverine, Urban/Local	Walker County	Walker, Huntsville
062000046	City of Cleveland Drainage Maintenance	18.7	Riverine, Urban/Local	City of Cleveland	Cleveland, San Jacinto, Montgomery
062000047	City of Hilcrest Village Land Acquisition	0.4	Riverine, Urban/Local	City of Hillcrest Village	Hillcrest
062000048	City of Manvel Propery Acquisition	27.4	Riverine, Urban/Local	City of Manvel	Manvel
062000049	City of Bellaire Flood Early Warning System	3.6	Riverine, Urban/Local	City of Bellaire	Bellaire, Harris County Flood Control District

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Emergency Need (Y/N)	Estimated Project Cost ($)	Potential Funding Sources and Amount	Cost/Structure removed	Consideration of Nature-Based Solution (Y/N)
062000044	Walker County Public Hazard Information and Awareness Campaign	N	$ 20,000		0	0
062000045	Retrofit and Harden the Emergency Operations Center Serving Walker County	N	$ 4,000,000		0	0
062000046	City of Cleveland Drainage Maintenance	N	$ 5,000,000		0	0
062000047	City of Hilcrest Village Land Acquisition	Y	$ 250,000		0	0
062000048	City of Manvel Propery Acquisition	Y	$ 1,700,000		0	0
062000049	City of Bellaire Flood Early Warning System	N	$ 150,000	General Revenue (25%)	0	0

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
062000044	Walker County Public Hazard Information and Awareness Campaign	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000045	Retrofit and Harden the Emergency Operations Center Serving Walker County	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000046	City of Cleveland Drainage Maintenance	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000047	City of Hilcrest Village Land Acquisition	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000048	City of Manvel Propery Acquisition	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000049	City of Bellaire Flood Early Warning System	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)
062000050	City of Bayou Vista Management Practices for Securing Windblown Debris in Canals	Debris generated by many hazards if the level of intensity allows. Implement plan to remove debris throughout the canal system especially since Bayou Vista is a residential canal community.	06000001, 06000003, 06000004, 06000015
062000051	Maintain Drainage Systems and Culverts in City of Friendswood	Clean & recut drainage ditches, complete work orders related to conveyance systems. Pursue sub-regional drainage improvements.	06000001, 06000003, 06000004, 06000015
062000052	City of League City Property Acquisition and Relocation	Buying and removing property from the floodplain will reduce long-term, repetitive flood loss. The open space created by the removal of insured property will facilitate drainage and allow for the creation of recreation areas.	06000001, 06000015
062000053	City of Santa Fe - Harden Existing Critical Facilites and Infrastructure	Harden existing critical facilites and infrastructure. Specifically City Hall, Maintenance Building, Library, and Community Center.	06000001, 06000003, 06000004, 06000015
062000054	City of Santa Fe - Drainge System Maintenance	Keep areas of concern free of unnecessary debris as needed. Implement and maintain tree, vegetation trimming/removal near, infrastructure, drainage systems and roadside areas.	06000001, 06000003, 06000004, 06000015
062000055	Liberty County Floodplain Acquistion	Acquisition of property in the floodplain.	06000001, 06000015
062000056	City of Galveston Floodplain Manager Increase	Increase and maintain number of floodplain managers in the building division through training and certification.	06000001, 06000007, 06000015
062000057	City of Galveston SRL and RL Property Mitigation	Elevation, acquisition or other mitigation of identified Repetitive Loss and Severe Repeditive Loss properties and structures damaged by flooding.	06000001, 06000015
062000058	City of Bunker Hill Village Non-Structural Mitigation Projects	Non-structural mitigation measure - buried powerlines, tree management and generators	06000001, 06000015
062000059	Hardening of Critical Facilites in City of Mission Todd	Protecting critical facilities such as hospitals, fire stations, police stations and water treatment plants can help keep them operational during severe storms.	06000001, 06000003, 06000004, 06000015
062000060	Harris County Mitigation Buyout and Relocation Program	This program is designed to assist owners whose properties were damaged by a natural disaster and or in an area that is designated hopelessly deep in the floodplain and repetitively flooded, to relocate outside the threat of flooding.	06000001, 06000015
062000061	City of Alvin Full Time Floodplain Administrator	Hire a full-time floodplain administrator who can support CRS application, NFIP, mapping and community floodplain support. A dedicated employee could help the community obtain CRS status and full time flood plain support.	06000001, 06000007, 06000015
062000062	City of Pearland SRL and RL Property Acquisition	Continue working with County and State officials to identify repetitive loss and severe repetitive loss properties, and pursue mitigation projects to reduce risk.	06000001, 06000015

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Counties	HUC8s	HUC12s	Watershed Name	Project Type
062000050	City of Bayou Vista Management Practices for Securing Windblown Debris in Canals	Galveston	12040204	120402040200	06000107	Infrastructure Projects
062000051	Maintain Drainage Systems and Culverts in City of Friendswood	Galveston, Harris	12040204	120402040200, 120402040100	06000107, 06000106	Infrastructure Projects
062000052	City of League City Property Acquisition and Relocation	Galveston, Harris	12040204	120402040200, 120402040100	06000107, 06000106	Property Acquisition and Structural Elevation
062000053	City of Santa Fe - Harden Existing Critical Facilites and Infrastructure	Galveston	12040204	120402040300, 120402040200	06000108, 06000107	Infrastructure Projects
062000054	City of Santa Fe - Drainge System Maintenance	Galveston	12040204	120402040300, 120402040200	06000108, 06000107	Infrastructure Projects
062000055	Liberty County Floodplain Acquistion	Liberty	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000107, 06000109, 06000106	Property Acquisition and Structural Elevation
062000056	City of Galveston Floodplain Manager Increase	Galveston	12040204	120402040300, 120402040200, 120402040400, 120402040500	06000108, 06000107, 06000109, 06000110	Regulatory and Guidance
062000057	City of Galveston SRL and RL Property Mitigation	Galveston	12040204	120402040300, 120402040200, 120402040400, 120402040500	06000108, 06000107, 06000109, 06000110	Property Acquisition and Structural Elevation
062000058	City of Bunker Hill Village Non-Structural Mitigation Projects	Harris	12040104	120401040303	06000080	Other
062000059	Hardening of Critical Facilites in City of Mission Todd	Grimes	12040102	120401020203, 120401020206	06000035, 06000038	Infrastructure Projects
062000060	Harris County Mitigation Buyout and Relocation Program	Harris	12040101, 12040102, 12040103, 12040104, 12040203, 12040204	999999	999999	Property Acquisition and Structural Elevation
062000061	City of Alvin Full Time Floodplain Administrator	Brazoria, Galveston, Fort Bend	12040204	120402040300, 120402040200, 120402040400, 120402040100	06000108, 06000108, 06000107, 06000109, 06000106	Regulatory and Guidance
062000062	City of Pearland SRL and RL Property Acquisition	Brazoria, Fort Bend, Harris	12040104, 12040204	120401040501, 120402040200, 120402040400, 120402040100	06000085, 06000085, 06000107, 06000109, 06000106	Property Acquisition and Structural Elevation

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Strategy Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight
062000050	City of Bayou Vista Management Practices for Securing Windblown Debris in Canals	0.4	Riverine, Urban/Local, Coastal	City of Bayou Vista	Bayou Vista
062000051	Maintain Drainage Systems and Culverts in City of Friendswood	20.8	Riverine, Urban/Local	City of Friendswood	Friendswood, Harris, Galveston
062000052	City of League City Property Acquisition and Relocation	52.9	Riverine, Urban/Local	City of League City	League City
062000053	City of Santa Fe - Harden Existing Critical Facilites and Infrastructure	17.0	Riverine, Urban/Local	City of Santa Fe	Santa Fe
062000054	City of Santa Fe - Drainge System Maintenance	17.0	Urban/Local	City of Santa Fe	Santa Fe
062000055	Liberty County Floodplain Acquistion	664.9	Riverine, Urban/Local	Liberty County	Liberty, Dayton
062000056	City of Galveston Floodplain Manager Increase	211.1	Riverine, Urban/Local, Coastal	City of Galveston	Galveston
062000057	City of Galveston SRL and RL Property Mitigation	211.1	Riverine, Urban/Local, Coastal	City of Galveston	Galveston, Galveston
062000058	City of Bunker Hill Village Non-Structural Mitigation Projects	1.4	Riverine, Urban/Local	City of Bunker Hill Village	Harris, Harris County Flood Control District, Bunker Hill Village,
062000059	Hardening of Critical Facilites in City of Mission Todd	2.0	Riverine, Urban/Local	City of Todd Mission	Grimes, Todd Mission
062000060	Harris County Mitigation Buyout and Relocation Program	1,770.8	Riverine, Urban/Local, Coastal	Harris County	Harris, Houston, Harris County Flood Control District
062000061	City of Alvin Full Time Floodplain Administrator	25.1	Riverine, Urban/Local	City of Alvin	Alvin
062000062	City of Pearland SRL and RL Property Acquisition	48.7	Riverine, Urban/Local	City of Pearland	Pearland, Brazoria, Brazoria County Drainage District 4

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Emergency Need (Y/N)	Estimated Project Cost ($)	Potential Funding Sources and Amount	Cost/Structure removed	Consideration of Nature-Based Solution (Y/N)
062000050	City of Bayou Vista Management Practices for Securing Windblown Debris in Canals	N	$ 100,000		0	0
062000051	Maintain Drainage Systems and Culverts in City of Friendswood	N	$ 1,400,000		0	0
062000052	City of League City Property Acquisition and Relocation	Y	$ 300,000,000		0	0
062000053	City of Santa Fe - Harden Existing Critical Facilites and Infrastructure	Y	$ 2,000,000		0	0
062000054	City of Santa Fe - Drainge System Maintenance	N	$ 5,000		0	0
062000055	Liberty County Floodplain Acquistion	Y	$ 750,000		0	0
062000056	City of Galveston Floodplain Manager Increase	N	$ 10,000		0	0
062000057	City of Galveston SRL and RL Property Mitigation	Y	$ 80,000		0	0
062000058	City of Bunker Hill Village Non-Structural Mitigation Projects	N	$ 100,000		0	0
062000059	Hardening of Critical Facilites in City of Mission Todd	Y	$ 25,000		0	0
062000060	Harris County Mitigation Buyout and Relocation Program	Y	$ 75,000,000		0	0
062000061	City of Alvin Full Time Floodplain Administrator	N	$ 100,000	Entity Budget/Funds (100%)	0	0
062000062	City of Pearland SRL and RL Property Acquisition	Y	$ 100,000	Other (0%)	0	0

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
062000050	City of Bayou Vista Management Practices for Securing Windblown Debris in Canals	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000051	Maintain Drainage Systems and Culverts in City of Friendswood	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000052	City of League City Property Acquisition and Relocation	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000053	City of Santa Fe - Harden Existing Critical Facilites and Infrastructure	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000054	City of Santa Fe - Drainge System Maintenance	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000055	Liberty County Floodplain Acquistion	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000056	City of Galveston Floodplain Manager Increase	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000057	City of Galveston SRL and RL Property Mitigation	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000058	City of Bunker Hill Village Non-Structural Mitigation Projects	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000059	Hardening of Critical Facilites in City of Mission Todd	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000060	Harris County Mitigation Buyout and Relocation Program	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000061	City of Alvin Full Time Floodplain Administrator	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000062	City of Pearland SRL and RL Property Acquisition	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)
062000063	Harris County Wide Voluntary Buyout Program	Targeted home buyouts to reduce flood damages in areas several feet deep in the floodplain where structural projects to reduce flooding are not cost-effective and/or beneficial.	06000001, 06000015
062000064	Mitigate Repetitive Flood Claim & Severe Repetititve Loss Properties in Galveston County	Grant funding through HMGP may be used to mitigate RFC and SRL properties. Mitigation option will be implemented with property owners as funding and opportunities arise.	06000001, 06000011, 06000012, 06000015
062000065	Liberty County Regional Coordination	Work with adjoining counties regarding flooding and drainage issues.	06000001, 06000011, 06000012, 06000015
062000066	Warren Ranch Preservation	Acquisition of remaining private interest stake in the 6,004-acre Warren Ranch for floodplain preservation and conservation. Place a conservation easement on the Ranch to conserve ag and natural habitat.	06000012, 06000013
062000067	Cypress Creek Headwater Acquisition and Preservation	Acquisition and restoration of 1,074-acres of ag and natural lands at the headwaters of Cypress Creek.	06000012, 06000013
062000070	Chambers County Community Rating System	Join the Community Rating System to reduce flood insurance premiums and flood risk for residents.	06000001, 06000011, 06000012, 06000015

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Counties	HUC8s	HUC12s	Watershed Name	Project Type
062000063	Harris County Wide Voluntary Buyout Program	Harris	12040101, 12040102, 12040103, 12040104, 12040203, 12040204	999999	999999	Property Acquisition and Structural Elevation
062000064	Mitigate Repetitive Flood Claim & Severe Repetititve Loss Properties in Galveston County	Galveston	12040204	120402040200	06000107, 06000107	Property Acquisition and Structural Elevation
062000065	Liberty County Regional Coordination	Liberty	12040103, 12040203	120401030201, 120401030108, 120401030109, 120401030205, 120401030402, 120401030203, 120401030204, 120401030202, 120401030401, 120402030104, 120402030103, 120402030102, 120402030101	06000056, 06000056, 06000053, 06000054, 06000060, 06000070, 06000058, 06000059, 06000057, 06000069, 06000102, 06000101, 06000100, 06000099	Other
062000066	Warren Ranch Preservation	Harris	12040102	120401020103	06000028	Property Acquisition and Structural Elevation
062000067	Cypress Creek Headwater Acquisition and Preservation	Waller	12040102	120401020102, 120401020103	06000027, 06000028	Property Acquisition and Structural Elevation
062000070	Chambers County Community Rating System	Chambers, Harris	12040203	120302030304, 120302030306, 120302030307, 120402030105, 120402030104, 120402030106, 120402030200	06000103, 06000102, 06000104, 06000105	Regulatory and Guidance

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Strategy Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight
062000063	Harris County Wide Voluntary Buyout Program	1,770.8	Riverine, Urban/Local, Coastal	Harris County Flood Control District (HCFCD)	Harris, Houston, Harris County Flood Control District
062000064	Mitigate Repetitive Flood Claim & Severe Repetititve Loss Properties in Galveston County	14.2	Riverine, Urban/Local, Coastal	Galveston County	Galveston, Galveston, Jamaica Beach, Hitchcock, La Marque, Santa Fe, Texas City,
062000065	Liberty County Regional Coordination	1,169.9	Riverine, Urban/Local, Coastal	Liberty County	Liberty, Chambers, Harris, San Jacinto, Hardin
062000066	Warren Ranch Preservation	9.4	Riverine	Coastal Prairie Conservancy	Harris County Flood Control District (HCFCD),Harris County
062000067	Cypress Creek Headwater Acquisition and Preservation	1.7	Riverine	Coastal Prairie Conservancy	Harris County Flood Control District (HCFCD),Harris County
062000070	Chambers County Community Rating System	53.6	Riverine, Coastal	Chambers County	Chambers County, Harris County, Liberty County, Beach City, Mont Belvieu, Chambers-Libery Counties Navigation District, Gulf Coast Waste Disposal Authoritiy, Port of Houston Authority, Harris County Flood Control District (HCFCD), Houston-Galveston Area Council, Chambers County Improvement District 3, Chambers County Improvement District 2, Chambers-Libery Counties Improvement District, Chambers County Improvement District 1, Chambers County MUD 1, Coastal Water Authorityh, Baytown Area Water Authority, Chambers County MUD 3, Chambers County MUD 2, Trinity River Authority of Texas, Gulf Coast Protection District, Liberty County Water Control District 1

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Emergency Need (Y/N)	Estimated Project Cost ($)	Potential Funding Sources and Amount	Cost/Structure removed	Consideration of Nature-Based Solution (Y/N)
062000063	Harris County Wide Voluntary Buyout Program	Y	$ 500,000,000		0	0
062000064	Mitigate Repetitive Flood Claim & Severe Repetititve Loss Properties in Galveston County	N	$ 30,000,000		0	0
062000065	Liberty County Regional Coordination	N	$ 500,000		0	0
062000066	Warren Ranch Preservation	N	$ 50,000,000		0	100
062000067	Cypress Creek Headwater Acquisition and Preservation	N	$ 18,000,000		0	100
062000070	Chambers County Community Rating System	N	$ 8,000		0	0

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
062000063	Harris County Wide Voluntary Buyout Program	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000064	Mitigate Repetitive Flood Claim & Severe Repetititve Loss Properties in Galveston County	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000065	Liberty County Regional Coordination	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000066	Warren Ranch Preservation	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000067	Cypress Creek Headwater Acquisition and Preservation	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000070	Chambers County Community Rating System	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)
062000071	Chambers County Flood Model and Map Management System	Develop and implement a web-based system to manage flood models and mapping and regulate future development.	06000001, 06000011, 06000012, 06000015
062000072	Chambers County Property Acquisition	This flood management strategy proposes that funds be established for Chambers County to implement a county-wide voluntary property acquisition program for structures located within the 100-year floodplain or the floodway of an existing watercourse.	06000001, 06000011, 06000012, 06000015
062000073	Chambers County Drainage Criteria Manual Update	Update Drainage Criteria Manual for the County to minimize and eliminate the possibility of future development adversely impacting downstream communities.	06000001, 06000007, 06000011, 06000012, 06000015

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Counties	HUC8s	HUC12s	Watershed Name	Project Type
062000071	Chambers County Flood Model and Map Management System	Chambers, Harris	12040203	120302030304, 120302030306, 120302030307, 120402030105, 120402030104, 120402030106, 120402030200	06000103, 06000102, 06000104, 06000105	Regulatory and Guidance
062000072	Chambers County Property Acquisition	Chambers, Harris	12040203	120302030304, 120302030306, 120302030307, 120402030105, 120402030104, 120402030106, 120402030200	06000103, 06000102, 06000104, 06000105	Regulatory and Guidance
062000073	Chambers County Drainage Criteria Manual Update	Chambers, Harris	12040203	120302030304, 120302030306, 120302030307, 120402030105, 120402030104, 120402030106, 120402030200	06000103, 06000102, 06000104, 06000105	Regulatory and Guidance

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Strategy Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight
062000071	Chambers County Flood Model and Map Management System	53.6	Riverine, Coastal	Chambers County	Chambers County, Harris County, Liberty County, City of Baytown Beach City, Mont Belvieu, Chambers-Libery Counties Navigation District, Gulf Coast Waste Disposal Authoritiy, Port of Houston Authority, Harris County Flood Control District (HCFCD), Houston-Galveston Area Council, Chambers County Improvement District 3, Chambers County Improvement District 2, Chambers-Libery Counties Improvement District, Chambers County Improvement District 1, Chambers County MUD 1, Coastal Water Authorityh, Baytown Area Water Authority, Chambers County MUD 3, Chambers County MUD 2, Trinity River Authority of Texas, Gulf Coast Protection District, Liberty County Water Control District 1
062000072	Chambers County Property Acquisition	53.6	Riverine, Coastal	Chambers County	Chambers County, Harris County, Liberty County, City of Baytown, Beach City, Mont Belvieu, San Jacinto Region Boundary, Chambers-Liberty Counties Navigation District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Chambers County Improvement District 3, Chambers County Improvement District 2, Chambers-Liberty Counties Improvement District, Chambers County Improvement District 1, Chambers County MUD 1, Coastal Water Authority, Baytown Area Water Authority, Chambers County MUD 3, Chambers County MUD 2, Trinity River Authority of Texas, Gulf Coast Protection District, Liberty County Water Control District 1, 0
062000073	Chambers County Drainage Criteria Manual Update	53.6	Riverine, Coastal	Chambers County	Chambers County, Harris County, Liberty County, City of Baytown, Beach City, Mont Belvieu, San Jacinto Region Boundary, Chambers-Liberty Counties Navigation District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Chambers County Improvement District 3, Chambers County Improvement District 2, Chambers-Liberty Counties Improvement District, Chambers County Improvement District 1, Chambers County MUD 1, Coastal Water Authority, Baytown Area Water Authority, Chambers County MUD 3, Chambers County MUD 2, Trinity River Authority of Texas, Gulf Coast Protection District, Liberty County Water Control District 1, 0

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Emergency Need (Y/N)	Estimated Project Cost ($)	Potential Funding Sources and Amount	Cost/Structure removed	Consideration of Nature-Based Solution (Y/N)
062000071	Chambers County Flood Model and Map Management System	N	$ 36,000		0	0
062000072	Chambers County Property Acquisition	N	$ 360,000		0	0
062000073	Chambers County Drainage Criteria Manual Update	N	$ 127,000		0	0

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
062000071	Chambers County Flood Model and Map Management System	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000072	Chambers County Property Acquisition	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000073	Chambers County Drainage Criteria Manual Update	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)
062000074	West Fork San Jacinto River floodplain preservation	Partnerships to acquire/place conservation easements on high-quality floodplain parcels upstream of the West Fork San Jacinto River. This pre-disaster strategy enhances resilience and floodplain function per ASFPM best practices.	06000001, 06000011, 06000012, 06000013, 06000014, 06000015
062000075	Spring Creek floodplain preservation	Partnerships to acquire/place conservation easements on high-quality floodplain parcels below Lake Conroe and upstream of Spring Creek. This pre-disaster strategy enhances resilience and floodplain function per ASFPM best practices.	06000001, 06000011, 06000012, 06000013, 06000014, 06000015
062000076	Lake Creek floodplain preservation	Partnerships to acquire/place conservation easements on high-quality floodplain parcels upstream of the West Fork San Jacinto River. This pre-disaster strategy enhances resilience and floodplain function per ASFPM best practices.	06000001, 06000011, 06000012, 06000013, 06000014, 06000015
062000077	Updates to San Jacinto River Authority Lake Conroe Reservoir Forecast Tool	Update to forecasting tool, including the incorporation of latest modeling analyses and methodologies, latest software, and/or additional stream gauge data to increase accuracy and accessibility.	06000001, 06000011, 06000012, 06000015

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Counties	HUC8s	HUC12s	Watershed Name	Project Type
062000074	West Fork San Jacinto River floodplain preservation	Harris, Montgomery	12040101	120401030110, 120401010207, 120401010308, 120401010401, 120401010402, 120401010403, 120401020211, 120401020213, 120401030104, 120401030102, 120401030105, 120401010205, 120401010206, 120401010404, 120401010501	06000011, 06000022, 06000019, 06000020, 06000021, 06000024, 06000009, 06000010, 06000023, 06000043, 06000045, 06000055, 06000047, 06000049, 06000050	Other
062000075	Spring Creek floodplain preservation	Harris, Waller, Montgomery, Grimes	12040102	999999	06000016, 06000017, 06000018, 06000019, 06000020, 06000021, 06000023, 06000031, 06000036, 06000026, 06000030, 06000032, 06000033, 06000034, 06000035, 06000037, 06000039, 06000038, 06000042, 06000040, 06000041, 06000043, 06000044, 06000045	Other
062000076	Lake Creek floodplain preservation	Montgomery, Grimes	12040101	999999	06000001, 06000011, 06000012, 06000013, 06000014, 06000003, 06000007, 06000015, 06000016, 06000017, 06000018, 06000019, 06000020, 06000009, 06000010, 06000039, 06000038, 06000043	Other
062000077	Updates to San Jacinto River Authority Lake Conroe Reservoir Forecast Tool	Montgomery, Grimes, Walker	12040101	999999	06000004, 06000001, 06000002, 06000011, 06000012, 06000014, 06000003, 06000005, 06000006, 06000007, 06000018, 06000019, 06000020, 06000008, 06000009, 06000010, 06000047, 06000046, 06000062	Flood Measurement and Warning

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Strategy Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight
062000074	West Fork San Jacinto River floodplain preservation	214.9	Riverine	Bayou Land Conservancy	NA
062000075	Spring Creek floodplain preservation	451.2	Riverine	Bayou Land Conservancy	NA
062000076	Lake Creek floodplain preservation	325.8	Riverine	Bayou Land Conservancy	Montgomery, Grimes, Plantersville, Montgomery, San Jacinto Region Boundary, Brazos Valley Council of Governments, San Jacinto River Authority, Brazos River Authority, Harris Montgomery Counties Management District, Houston-Galveston Area Council, Montgomery County MUD 125, Westwood Magnolia Parkway Improvement District, Blaketree MUD 1 of Montgomery County, Grimes County MUD 1, Martin Creek MUD, Montgomery County MUD 123, Montgomery County MUD 167, Blaketree MUD 2 of Montgomery County, Montgomery County MUD 114, Montgomery County MUD 139, Montgomery County MUD 113, Montgomery County MUD 180, Montgomery County MUD 166, Montgomery County MUD 121, NA
062000077	Updates to San Jacinto River Authority Lake Conroe Reservoir Forecast Tool	448.2	Riverine	San Jacinto River Authority	San Jacinto River Authority

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Emergency Need (Y/N)	Estimated Project Cost ($)	Potential Funding Sources and Amount	Cost/Structure removed	Consideration of Nature-Based Solution (Y/N)
062000074	West Fork San Jacinto River floodplain preservation	N	$ 40,489,000		0	100
062000075	Spring Creek floodplain preservation	N	$ 32,897,000		0	100
062000076	Lake Creek floodplain preservation	N	$ 43,019,000		0	100
062000077	Updates to San Jacinto River Authority Lake Conroe Reservoir Forecast Tool	N	$ 346,000		0	0

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
062000074	West Fork San Jacinto River floodplain preservation	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000075	Spring Creek floodplain preservation	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000076	Lake Creek floodplain preservation	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000077	Updates to San Jacinto River Authority Lake Conroe Reservoir Forecast Tool	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)
062000078	San Jacinto River Watershed Gage Network Expansion	Install up to 48 rain/stream gages in Montgomery, Waller, Grimes, Walker, San Jacinto, and Liberty counties to enhance flood warning in the San Jacinto River Watershed.	06000001
062000079	Harris County Community Based Catastrophe Insurance	Community Based Catastrophe Insurance to reduce impact of flood damages in areas several feet deep in the floodplain where structural projects to reduce flooding are not cost effective	06000001, 06000015
062000080	Harris County Flood Control District's Flood Warning System	The Harris County Flood Control District’s Flood Warning System relies on 188 gage stations strategically placed throughout Harris County bayous and their tributaries that contain sensors that transmit flows and water levels during times of heavy rainfall	06000001

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Counties	HUC8s	HUC12s	Watershed Name	Project Type
062000078	San Jacinto River Watershed Gage Network Expansion	Waller, Liberty, Montgomery, Grimes, San Jacinto, Walker	12030202, 12030203, 12040101, 12040102, 12040103, 12040104, 12040203, 12070101, 12070103, 12070104, 12040205	999999	999999	Flood Measurement and Warning
062000079	Harris County Community Based Catastrophe Insurance	Brazoria, Galveston, Fort Bend, Chambers, Harris, Waller, Liberty, Montgomery	12040101, 12040102, 12040103, 12040104, 12040203, 12070104, 12040204	999999	999999	Regulatory and Guidance
062000080	Harris County Flood Control District's Flood Warning System	Brazoria, Galveston, Fort Bend, Chambers, Harris, Waller, Liberty, Montgomery	12040101, 12040102, 12040103, 12040104, 12040203, 12070104, 12040204	999999	999999	Flood Measurement and Warning

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Strategy Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight
062000078	San Jacinto River Watershed Gage Network Expansion	2,388.1	Riverine	San Jacinto River Authority	San Jacinto River Authority
062000079	Harris County Community Based Catastrophe Insurance	1,768.5	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris County Flood Control District (HCFCD)
062000080	Harris County Flood Control District's Flood Warning System	1,768.5	Riverine, Coastal	Harris County Flood Control District (HCFCD)	Harris County Flood Control District (HCFCD)

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Emergency Need (Y/N)	Estimated Project Cost ($)	Potential Funding Sources and Amount	Cost/Structure removed	Consideration of Nature-Based Solution (Y/N)
062000078	San Jacinto River Watershed Gage Network Expansion	N	$ 1,286,000		0	0
062000079	Harris County Community Based Catastrophe Insurance	Y	$ 1,266,000		0	0
062000080	Harris County Flood Control District's Flood Warning System	N	$ 1,055,000			0

Appendix 5-8: Table 17 - Potentially Feasible Flood Mitigation Strategies Recommended by RFPG

FMS ID	FMS Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
062000078	San Jacinto River Watershed Gage Network Expansion	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000079	Harris County Community Based Catastrophe Insurance	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.
062000080	Harris County Flood Control District's Flood Warning System	No	No	No	Yes	Alignment with RFPG goals and TWDB guidance principles.

Appendix 5-9:

No Adverse Impact Summary Table

Region	FMP ID	FMP Name	FMP Meets ALL No Negative Impacts Requirements from Exhibit C Section 3.6.A (Yes/ No)	Negative Impact Description
06	063000026	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	Yes	N/A
06	063000027	Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown	Yes	N/A
06	063000037	Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00	No	There are increases in flow to Sims Bayou.
06	063000040	Halls Bayou Watershed Mitigation Application 1 - CDBG MIT	Yes	N/A
06	063000046	White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak	Yes	N/A
06	063000056	Mary's Creek Lower, Middle, and Upper Segment	Yes	N/A
06	063000058	Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105	Yes	N/A
06	063000059	East Fork San Jacinto River - Winters Bayou Detention	Yes	N/A
06	063000061	Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek	Yes	N/A
06	063000064	West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	Yes	N/A
06	063000114	City of Bayou Vista Regulations and Permit Requirements Update	Yes	N/A

Region	FMP ID	Planning level Mitigation Plan (Yes/ No)	Mitigation Plan Description	No Negative Impact Determination (Yes/No)
06	063000026	N/A	N/A	Yes
06	063000027	N/A	N/A	Yes
06	063000037	Yes	Detention mitigation alternatives are identified in the associated report to mitigate increases in peak flow.	Yes
06	063000040	N/A	N/A	Yes
06	063000046	N/A	N/A	Yes
06	063000056	N/A	N/A	Yes
06	063000058	N/A	N/A	Yes
06	063000059	N/A	N/A	Yes
06	063000061	N/A	N/A	Yes
06	063000064	N/A	N/A	Yes
06	063000114	N/A	N/A	Yes

Region	FMP ID	Basis of No Negative Impact Determination (Model, Study, Engineering Judgement)	Model ID	Model Name	Model Submitted
06	063000026	Model, Study	060000000027	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan	Draft Plan
06	063000027	Model, Study	060000000030	Brays CDBG-MIT: Bintliff	Draft Plan
06	063000037	Model, Study	60000000031, 60000000032, 60000000033	Sims CDBG-MIT: C147, Sims CDBG-MIT: C506, Sims CDBG-MIT: Salt Water Ditch	Draft Plan
06	063000040	Model, Study	060000000029	Halls CDBG-MIT	Draft Plan
06	063000046	Study	060000000034	White Oak Bayou CDBG MIT: Little White Oak	Draft Plan
06	063000056	Model, Study	060000000056	Marys Creek	Amended Plan
06	063000058	Model, Engingeering Statement	060000000026	San Jacinto Master Drainage Plan	Draft Plan
06	063000059	Model, Study	060000000026	San Jacinto Master Drainage Plan	Draft Plan
06	063000061	Model, Study	060000000026	San Jacinto Master Drainage Plan	Draft Plan
06	063000064	Model, Study	060000000026	San Jacinto Master Drainage Plan	Draft Plan
06	063000114	N/A	N/A	N/A	N/A

Region	FMP ID	Study Name and Location	Engineer of Record (Optional)
06	063000026	Lower Clear Creek and Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternatives Evaluation	James D. Keith (Freese and Nichols, Inc.) and Boris P. Minot (Freese and Nichols, Inc.)
06	063000027	Sharpstown Master Drainage Plan Technical Memorandum	
06	063000037	Salt Water Ditch: Feasibility Study for Flood Damage Reduction to Salt Water Ditch, HCFCD Unit C118-00-00 and Addendum to Feasibility Study for Flood Damage Reduction to Saltwater Ditch	Saltwater Ditch: Connor McColloch (Civil Tech Engineering, Inc.) and Melvin Spinks (Civil Tech Engineering. Inc.)
06	063000040	*C-41 - Mainstem: Halls Bayou (P118-00-00) Mainstem Improvements (C-41) Summary Report *C-41 - Hardy West: Hardy West Alternatives Analysis Summary Report *C-23 - P118-08-00: P118-08-00 Final Model Revision Summary Memo *C-30 - P118-27-00: Halls Bayou Tributary Unit No. P118-27-00 Alternatives Analysis Summary Report	*C-41 - Mainstem: Connor R. Bishop (Lockwood Andrews and Newnam, Inc.) *C-41 - Hardy West: David M. Barton (Lockwood Andrews Newnam, Inc. *C-23 - P118-08-00: Hardy West: David M. Barton (Lockwood Andrews Newnam, Inc.) *C-30 - P118-27-00: Chris E. Edwards (Lockwood Andrews and Newnam, Inc.)
06	063000046	Little White Oak Bayou CDBG-MIT Project Project Background and Certification of No Adverse Impact	Burton L Johnson
06	063000056	City of Pearland Brazoria Drainage District No. 4 Master Drainage Plan Update Final Report	Terry M. Barr (Halff Associates, Inc.)
06	063000058	San Jacinto Regional Watershed Master Drainage Plan	Terry M. Barr (Halff Associates, Inc.) and Hèctor Olmos (Freese and Nichols, Inc.)
06	063000059	San Jacinto Regional Watershed Master Drainage Plan	Terry M. Barr (Halff Associates, Inc.) and Hèctor Olmos (Freese and Nichols, Inc.)
06	063000061	San Jacinto Regional Watershed Master Drainage Plan	Terry M. Barr (Halff Associates, Inc.) and Hèctor Olmos (Freese and Nichols, Inc.)
06	063000064	San Jacinto Regional Watershed Master Drainage Plan	Terry M. Barr (Halff Associates, Inc.) and Hèctor Olmos (Freese and Nichols, Inc.)
06	063000114	N/A	

Region	FMP ID	Engineering Judgement Description
06	063000026	In Section 3.3 Alternative 3: Detention + Conveyance+ I-45 Tunnel it states, "Alternative 3 would have reduced damages […] and not creat adverse impacts"
06	063000027	Section 4.3.2 Extreme Event Mitigation states "The Hydrualic modeling showed no increase in peak flow rates of Brays Bayou downstream of the project area, with a 6 cfs reduction at Hillcorft in the 500-year storm event, as well as no adverse impacts to the water surface elevations of Brays Bayou for the 500-year storm event"
06	063000037	Section 5.11 Recommended Plan states, "A detention pond with approximately 817 acre-feet of detention will be required to mitigate the peak flow impacts to Sims Bayou. " Potential detention mitigation sites are noted in the associated report.
06	063000040	*C-41 - Mainstem: Section 6. Impacts Analysis on Halls Bayou states, "verall, the preliminary impact analysis reflects that Alternative 1 WSELs are below Pre-Existing Conditions WSELs, while providing slightly more benefit to areas along Halls Bayou downstream of the Hall Park detention basin when compared to Alternatives 2 and 3" *C-41 - Hardy West: Executive Summary states, "Alternative 3 provides a 10-year (pre-Atlas 14 update) level of-service (LOS), and results in no adverse impacts to Halls Bayou and the surrounding region, up to and including the 500-year storm event (pre-Atlas 14 update). *C-23 - P118-08-00: Section 3.0 Summary and Conclusions states "No No downstream impacts are expected due to the downstream peak flows matching the previous iteration in both timing and magnitude." *C-30 - P118-27-00: Executive Summary States "Alternative 2 results in no adverse impacts to P118-27-00, Halls Bayou, and the surrounding region, up to and including the 500-year storm event (pre-Atlas 14 update)"
06	063000046	The memo states, "In lieu of a traditional report, this memorandum provides the certification of no adverse impact. […] Based upon my review of the computed flowrates and water surface elevations associated with the CDBG-MIT project described in this memorandum along with and my understanding of the hydrologic and hydraulic models utilized in the determination of the water surface elevations, I hereby conclude and certify that the proposed CDBG-MIT project will not increase water surface elevations and peak flowrates upstream of, adjacent to, or downstream of the proposed project."
06	063000056	Appendix G Section 2.4.3 states "As projects are selected for further development, the Preliminary Engineering Report will need to evaluate potential adverse impacts of each project and provide the requisite mitigation to avoid these impacts."
06	063000058	In Section 8.6 Individual Alternatives it states, "compensatory storage must first be constructed upstream of each channelization alternative to avoid adverse downstream impacts. Each detention alternative identified in this study is more than enough to mitigate the adverse downstream impact for the recommended channelization alternatives"
06	063000059	In Section 8.6 Individual Alternatives it states, "compensatory storage must first be constructed upstream of each channelization alternative to avoid adverse downstream impacts. Each detention alternative identified in this study is more than enough to mitigate the adverse downstream impact for the recommended channelization alternatives"
06	063000061	In Section 8.6 Individual Alternatives it states, "compensatory storage must first be constructed upstream of each channelization alternative to avoid adverse downstream impacts. Each detention alternative identified in this study is more than enough to mitigate the adverse downstream impact for the recommended channelization alternatives"
06	063000064	In Section 8.6 Individual Alternatives it states, "compensatory storage must first be constructed upstream of each channelization alternative to avoid adverse downstream impacts. Each detention alternative identified in this study is more than enough to mitigate the adverse downstream impact for the recommended channelization alternatives"
06	063000114	N/A

Region	FMP ID	FMP Name	FMP Meets ALL No Negative Impacts Requirements from Exhibit C Section 3.6.A (Yes/ No)	Negative Impact Description
06	063000115	City of League City Freeboard Ordinance	Yes	N/A
06	063000123	City of Cleveland Floodplain Land-Use Ordinance	Yes	N/A
06	063000124	City of Cleveland Flooplain Ordinance Update	Yes	N/A
06	063000127	Galveston Bay Surge Protection Coastal Storm Risk Management	Yes	N/A
06	063000129	City of Manvel City Ordinance	Not applicable	N/A
06	063000130	City of Manvel Land-Use Ordinance Adoption	Not applicable	N/A
06	063000132	City of Manvel GIS Database Improvements	Not applicable	N/A
06	063000136	Brazoria County NFIP Technical Material	Not applicable	N/A
06	063000139	City of Clear Lake Shores - Implement Stormwater Management Practices	Not applicable	N/A
06	063000140	City of Clear Lake Shores - Improve Regulations and Permit Requirements	Not applicable	N/A
06	063000142	City of Hitcock - Improve Regulations and Permit Requirements	Not applicable	N/A
06	063000143	City of Jamaica Beach - Improve Regulations and Permit Requirements	Not applicable	N/A
06	063000144	City of Kemah - Improve Regulations and Permit Requirements	Not applicable	N/A
06	063000145	City of Kemah - Update Floodplain Ordinance	Not applicable	N/A
06	063000146	City of La Marque - Improve Regulations and Permit Requirements	Not applicable	N/A
06	063000148	City of Tiki Island - Improve Regulations and Permit Requirements	Not applicable	N/A
06	063000149	City of Santa Fe - Improve Regulations and Permit Requirements	Not applicable	N/A
06	063000152	City of Galveston Land Use Mapping	Not applicable	N/A
06	063000153	City of Galveston Freeboard Requirement Enforcement	Not applicable	N/A
06	063000201	City of Alvin Unified Development Ordinance	Not applicable	N/A
06	063000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	No	There are a few locations with minor WSE increases that are not expected to have a significant impact. They will be mitigated upon design.
06	063000319	Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	Yes	N/A
06	063000327	Blalock Road Drainage Improvement Project	Yes	N/A
06	063000357	Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	Yes	N/A

Region	FMP ID	Planning level Mitigation Plan (Yes/ No)	Mitigation Plan Description	No Negative Impact Determination (Yes/No)
06	063000115	N/A	N/A	Yes
06	063000123	N/A	N/A	Yes
06	063000124	N/A	N/A	Yes
06	063000127	N/A	N/A	Yes
06	063000129	N/A	N/A	Yes
06	063000130	N/A	N/A	Yes
06	063000132	N/A	N/A	Yes
06	063000136	N/A	N/A	Yes
06	063000139	N/A	N/A	Yes
06	063000140	N/A	N/A	Yes
06	063000142	N/A	N/A	Yes
06	063000143	N/A	N/A	Yes
06	063000144	N/A	N/A	Yes
06	063000145	N/A	N/A	Yes
06	063000146	N/A	N/A	Yes
06	063000148	N/A	N/A	Yes
06	063000149	N/A	N/A	Yes
06	063000152	N/A	N/A	Yes
06	063000153	N/A	N/A	Yes
06	063000201	N/A	N/A	Yes
06	063000315	Yes	Two regional detention basins will provide mitigation. The ultimate mitigation plan will be determined during the design phase.	Yes
06	063000319	N/A	N/A	Yes
06	063000327	N/A	N/A	Yes
06	063000357	N/A	N/A	Yes

Region	FMP ID	Basis of No Negative Impact Determination (Model, Study, Engineering Judgement)	Model ID	Model Name	Model Submitted
06	063000115	N/A	N/A	N/A	N/A
06	063000123	N/A	N/A	N/A	N/A
06	063000124	N/A	N/A	N/A	N/A
06	063000127	Study, Engineering Judgement	N/A	N/A	N/A
06	063000129	N/A	N/A	N/A	N/A
06	063000130	N/A	N/A	N/A	N/A
06	063000132	N/A	N/A	N/A	N/A
06	063000136	N/A	N/A	N/A	N/A
06	063000139	N/A	N/A	N/A	N/A
06	063000140	N/A	N/A	N/A	N/A
06	063000142	N/A	N/A	N/A	N/A
06	063000143	N/A	N/A	N/A	N/A
06	063000144	N/A	N/A	N/A	N/A
06	063000145	N/A	N/A	N/A	N/A
06	063000146	N/A	N/A	N/A	N/A
06	063000148	N/A	N/A	N/A	N/A
06	063000149	N/A	N/A	N/A	N/A
06	063000152	N/A	N/A	N/A	N/A
06	063000153	N/A	N/A	N/A	N/A
06	063000201	N/A	N/A	N/A	N/A
06	063000315	Model, Study, Engineering Judgement	060000000315	Alter2Scen2	Amended Plan
06	063000319	Model, Study	060000000319	B_B100-00-00	Amended Plan
06	063000327	Model, Engineering Judgement	060000000327	Blalock	Amended Plan
06	063000357	Model, Study, Engineering Judgement	060000000357	Cypress Creek; K100-00-00	Amended Plan

Region	FMP ID	Study Name and Location	Engineer of Record (Optional)
06	063000115	N/A	
06	063000123	N/A	
06	063000124	N/A	
06	063000127	Coastal Texas Protection and restoration feasibility study	
06	063000129	N/A	
06	063000130	N/A	
06	063000132	N/A	
06	063000136	N/A	
06	063000139	N/A	
06	063000140	N/A	
06	063000142	N/A	
06	063000143	N/A	
06	063000144	N/A	
06	063000145	N/A	
06	063000146	N/A	
06	063000148	N/A	
06	063000149	N/A	
06	063000152	N/A	
06	063000153	N/A	
06	063000201	N/A	
06	063000315	Lower South Mayde Creek (U101-00-00) Bypass Channel and Channel Improvements Preliminary Engineering Report	Jason L. Becker (Halff Associates)
06	063000319	Preliminary Engineering Report Phase 2 Genoa Red Bluff Stormwater Detention Basins	Satya Pilla (iGET Services)
06	063000327	Blalock Road Drainage Improvements	
06	063000357	Cypress Creek Program Implementation Plan	Rod Pinheiro (Jones Carter)

Region	FMP ID	Engineering Judgement Description
06	063000115	N/A
06	063000123	N/A
06	063000124	N/A
06	063000127	Section 7. Recommendations states, "The Recommended Plan developed is technically sound, economically justified, and socially and environmentally acceptable. In accordance with the National Environmental Policy Act (NEPA), a diligent effort was made to coordinate and collaborate with resource agencies, local industry, and environmental interests"
06	063000129	N/A
06	063000130	N/A
06	063000132	N/A
06	063000136	N/A
06	063000139	N/A
06	063000140	N/A
06	063000142	N/A
06	063000143	N/A
06	063000144	N/A
06	063000145	N/A
06	063000146	N/A
06	063000148	N/A
06	063000149	N/A
06	063000152	N/A
06	063000153	N/A
06	063000201	N/A
06	063000315	Statement in the Executive Summary states "The results from the impact analysis developed in conjunction with the USACE indicated that both recommendations do not result in an adverse change in peak flow rate or rate-of-rise for the Addicks Reservoir." Although the modeling indicated minor WSEL increases at certain locations along South Mayde Creek existing conditions during the 1% and 0.2% AEP events, the alternative analysis demonstrated the potential benefit of a comprehensive flood risk reduction strategy combining multiple drainage improvements.
06	063000319	Sections 4.1, 4.2, 4.3 and 4.4 (various alternatives) all include the statement "There are no adverse impacts along Spring Gully" and "There are no adverse impacts along Armand Bayou"
06	063000327	Provided technical memorandum states "The requirement of a restrictor installed on the system to provide no adverse hydraulic impact to Buffalo Bayou will limit the drainage improvements to the Blalock Road drainage system until detention storage is obtained to provide mitigation on Buffalo Bayou. Once mitigation is obtained, the restrictor could be removed allowing the proposed drainage system to perform as designed."
06	063000357	Acknowledged lots of mitigation will be required and will break project into sub-projects for completion.

Region	FMP ID	FMP Name	FMP Meets ALL No Negative Impacts Requirements from Exhibit C Section 3.6.A (Yes/ No)	Negative Impact Description
06	063000396	P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)	Yes	N/A
06	063000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	Yes	N/A
06	063000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	Yes	N/A
06	063000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	Yes	N/A
06	063000417	Houston Fifth Area Flood Mitigation	No	The report acknowledges that there will be negative impacts that need to be mitigated with detention basins.
06	063000418	Houston Port Area Flood Mitigation	Yes	N/A
06	063000434	Houston Kashmere Gardens Area Flood Mitigation	Yes	N/A
06	063000453	Rivershire West - Grand Lake Creek Watershed	No	There are some increases in peak flow rates as a result of the project.
06	063000468	Houston Sunnyside Area Flood Mitigation	Yes	N/A
06	063000469	Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)	Yes	N/A
06	063000470	Halls Bayou Drainage Project Bond C-01	Yes	N/A
06	063000471	Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	Yes	N/A
06	063000472	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	Yes	N/A
06	063000473	Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	Yes	N/A
06	063000475	Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	Yes	N/A
06	063000476	Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)	Yes	N/A

Region	FMP ID	Planning level Mitigation Plan (Yes/ No)	Mitigation Plan Description	No Negative Impact Determination (Yes/No)
06	063000396	N/A	N/A	Yes
06	063000397	N/A	N/A	Yes
06	063000399	N/A	N/A	Yes
06	063000400	N/A	N/A	Yes
06	063000417	Yes	Detention basins will be provided to ensure no adverse impacts as part of this project.	Yes
06	063000418	N/A	N/A	Yes
06	063000434	N/A	N/A	Yes
06	063000453	No	The WSEL increases are within the West Fork floodplain and the elevations are less than the BFEs because the WF drives the flooding.	Yes
06	063000468	N/A	N/A	Yes
06	063000469	N/A	N/A	Yes
06	063000470	N/A	N/A	Yes
06	063000471	N/A	N/A	Yes
06	063000472	N/A	N/A	Yes
06	063000473	N/A	N/A	Yes
06	063000475	N/A	N/A	Yes
06	063000476	N/A	N/A	Yes

Region	FMP ID	Basis of No Negative Impact Determination (Model, Study, Engineering Judgement)	Model ID	Model Name	Model Submitted
06	063000396	Model	060000000396	P118-21	Amended Plan
06	063000397	Model, Study	060000000397	P11823BaselineConditions	Amended Plan
06	063000399	Model, Study	060000000399	P118	Amended Plan
06	063000400	Model, Study	060000000400	P118-27-00	Amended Plan
06	063000417	Model, Engineering Judgement	060000000417	5thWardMP	Amended Plan
06	063000418	Model, Engineering Judgement	060000000418	Pleasantville	Amended Plan
06	063000434	Model	060000000434	KashmereGardens	Amended Plan
06	063000453	Model, Study	060000000453	Alligator Creek	Amended Plan
06	063000468	Model	060000000468	Saltwater Ditch	Amended Plan
06	063000469	Model	060000000469	20230123Vision Plan	Amended Plan
06	063000470	Model, Study	060000000470	CLOS2_CLOS1	Amended Plan
06	063000471	Model, Study	060000000471	20230123Vision Plan	Amended Plan
06	063000472	Model, Study	060000000472	HDR_SMCGrandParkway	Amended Plan
06	063000473	Model, Study	060000000473	Final_U500	Amended Plan
06	063000475	Model	060000000475	Prop_Hahl	Amended Plan
06	063000476	Model, Study	060000000476	HEC RAS 5.0.6 Cypress Creek	Amended Plan

Region	FMP ID	Study Name and Location	Engineer of Record (Optional)
06	063000396	Excavation of Detention Basins and Channel Conveyance Improvements in P118-21-00: Preliminary Engineering Report	Chris E. Edwards (LAN)
06	063000397	Alternative Analysis Report P118-23-00 and P118-23-02 Channel Improvements	Baoxu Zhang, Min Xiao, and Ajay Ramachandran (Idcus)
06	063000399	Preliminary Engineering Report for P118-25-00 and Tributaries Conveyance and Detention Improvements	Alberto Espinoza (R.G. Miller Engineers)
06	063000400	Halls Bayou Tributary Unit No. P118-27-00 Alternatives Analysis Summary Report	Chris E. Edwards (LAN)
06	063000417	Fifth Ward Master Drainage Plan Technical Memorandum	Candyce Ward (CobbFendley)
06	063000418	WO121 - Pleasantville Detention Analysis Technical Memorandum	
06	063000434	Houston Kashmere Gardens Area Flood Mitigation Project Technical Memorandum	
06	063000453	Alligator Creek Master Drainage Plan	Ryan Londeen (Halff Associates)
06	063000468	South Park/Sunnyside Drainage Analysis Proposed Conditions Technical Memorandum	
06	063000469	Veterans Memorial Detention Basin A State Flood Plan BCA	
06	063000470	P118-26-00 Evaluation Report for Flood Damage Reduction	Keith Edwin Smathers and Scott P. Hughes (BGE, Inc.)
06	063000471	Parker Road Detention Basins Memorandum	
06	063000472	Grand Parkway at Clay Stormwater Detention Basin U501-07-00-E001 Preliminary Engineering Report	Ramon A. Herrera (Midtown Engineers)
06	063000473	Drainage Impact Analysis for U500-01-00-E001 Regional Stormwater Detention Basin Along Langham Creek (U100-00-00)	Hector Olmos and Leslie A. Munoz (Freese and Nichols)
06	063000475	Hahl North Detention Basin Memorandum	
06	063000476	Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update: Cypress Creek Report	Sirish K. Mandichetti (Michael Baker)

Region	FMP ID	Engineering Judgement Description
06	063000396	Provides multiple options for mitigation and reduces impacts in the model, although does not say so outright in the report.
06	063000397	A No Adverse Impact Analysis was performed for this project for design storm evetns up to and including the 500-year 24-hour design storm. Selected alternative will not cause adverse impacts.
06	063000399	Appendix G Section 6 states "Based on the analysis, the proposed improvements will provide a flood risk reduction for the area and will not cause any adverse impacts downstream."
06	063000400	Executive Summary states "Alternative 2 results in no adverse impacts to P118-27-00, Halls Bayou, and the surrounding region, up to and including the 500-year storm event (pre-Atlas 14 update).
06	063000417	The report acknowledges that there will be negative impacts that need to be mitigated with detention basins.
06	063000418	The memorandum does not explicitatly state no adverse impact, but the provided detention basins show reduced WSELs with no adverse impact.
06	063000434	Statement in Section 3 of the Technial Memorandum states "The Kashmere Gardens' proposed improvements will not adversely impact the peak discharge into oufall channels."
06	063000453	Section 3.14 P14 - Rivershire West states "The proposed project minimally increase the 1-percent ACE peak flow rates downstream and, as a result, is not estimated to need any detention mitigation."
06	063000468	Technical memorandum includes language that increased flows will be mitigated by provided detention basins.
06	063000469	BCA Memorandum states "There are no adverse impacts when compared to the Baseline Conditions water surface elevation"
06	063000470	BCA Memorandum explains that implementations were put in place to prevent adverse impacts on Halls Bayou.
06	063000471	The summary memorandum states that "There are no adverse impacts observed when compared to the Baseline Conditions WSEs"
06	063000472	Statement in Executive Summary states "Although some of the results show a slight increase in peak flows across the 2D profile lines near SH99, the overall flood risk is reduced due to lower Water Surface Elevations in the channel."
06	063000473	Statement in Executive Summary states "Based on the completed analysis, the proposed project will not have any adverse impact on the water surface elevations along Langham Creek for events up to and including the 100-year event."
06	063000475	The summary memorandum states that "There are no adverse impacts when compared to the Baseline Conditions WSEs."
06	063000476	No explicit statement, but there are tables showing no increase in WSEL, along with the statement "alternatives were developed with emphasis on reducing adverse flood effect within this region".

Region	FMP ID	FMP Name	FMP Meets ALL No Negative Impacts Requirements from Exhibit C Section 3.6.A (Yes/ No)	Negative Impact Description
06	063000167	Greens Mid-Reach	Yes	N/A
06	063000186	Poor Farm Ditch	Yes	N/A
06	063000311	Galveston 37th Street	Yes	N/A
06	063000313	Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond Project C-38)	Yes	N/A
06	063000320	Warren Lake and Dam	Yes	N/A
06	063000424	Friendswood - Inline & Offline Detention	No	Water Surface Elevation impacts above 0.35 feet on Dixie Farm Road (FM 1959), immediately upstream of FM 1959 Detentin Basin.
06	063000477	P118-E006 (Hardy West) (2018 Bond Project C-41)	Yes	N/A
06	063000328	Keegans Bayou Flood Risk Reduction Project	Yes	N/A
06	063000422	Danubina Drainage Improvement Project	Yes	N/A
06	063000334	Goose Creek Flood Risk Reduction Project	Yes	N/A
06	063000360	Kingwood Diversion Ditch	No	Water Surface elevation impacts within the channel near the downstream end of G103-38-00.
06	063000344	White Oak Bayou – Woodland Trails Stormwater Detention Basin	Yes	N/A
06	063000339	Willow Creek – M120 Detention and Preservation Project	Yes	N/A

Region	FMP ID	Planning level Mitigation Plan (Yes/ No)	Mitigation Plan Description	No Negative Impact Determination (Yes/No)
06	063000167	N/A	N/A	Yes
06	063000186	N/A	N/A	Yes
06	063000311	N/A	N/A	Yes
06	063000313	N/A	N/A	Yes
06	063000320	N/A	N/A	Yes
06	063000424	Yes	Project team has acknowledged impacts and designated the impacts a result of modeling noise. Project team has submitted FMA scoping grant application to further refine modeling.	Yes
06	063000477	N/A	N/A	Yes
06	063000328	N/A	N/A	Yes
06	063000422	N/A	N/A	Yes
06	063000334	N/A	N/A	Yes
06	063000360	Yes	Detention basins will be provided to ensure no adverse impacts as part of this project. Detention estimates were provided as part of the study.	Yes
06	063000344	N/A	N/A	Yes
06	063000339	N/A	N/A	Yes

Region	FMP ID	Basis of No Negative Impact Determination (Model, Study, Engineering Judgement)	Model ID	Model Name	Model Submitted
06	063000167	Model	060000000037	Greens Bayou (P100-00-00) Mid-Reach Channel Conveyance Improvements	Final Plan
06	063000186	Model, Study	060000000085	Poor Farm Ditch	Amended Plan
06	063000311	Study, Engineering Judgement	N/A	N/A	N/A
06	063000313	Model, Study	060000000086	Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	Amended Plan
06	063000320	Study, Engineering Judgement	N/A	N/A	N/A
06	063000424	Model, Study, Engineering Judgement	060000000090	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	Amended Plan
06	063000477	Model, Study	060000000087	P118-E006 (Hardy West) (2018 Bond Project C-41)	Amended Plan
06	063000328	Model, Study	060000000045	Keegans Bayou	Draft Plan
06	063000422	Study	N/A	N/A	N/A
06	063000334	Model, Study	060000000052	CDBG Goose Creek Watershed Plan	Draft Plan
06	063000360	Model, Study	060000000046	Kingwood Drainage Study Models	Draft Plan
06	063000344	Model, Study	060000000344	Woodland Trails Stormwater Detention Basin	Amended Plan
06	063000339	Model	060000000050	CDBG Willow Creek Watershed Plan	Draft Plan

Region	FMP ID	Study Name and Location	Engineer of Record (Optional)
06	063000167	Greens Bayou Mid-Reach Channel Conveyance Improvements, Preliminary Engineering Report From John F. Kennedy Blvd to Veterans Memorial Drive	Jessica Lynn Sprague (CivilTech)
06	063000186	Poor Farm Ditch Conveynce Improvements Between Bellaire and University Boulevards	Cory J. Stull (Freese and Nichols, Inc.) and Ashley S. Poe (Freese and Nichols, Inc.)
06	063000311	Engineer's Justification Statement for the 37th Street Drainage Project; CDBG-MIT Hurricane Harvey State Mitigation Competition	Dr. Daniel Christodoss, Ph.D., P.E. (City Engineer of City of Galveston)
06	063000313	U520-01-00-E003 Dinner Creek Stormwater Detention Basin Drainage Impact Analysis	Leslie A. Munoz (Freese and Nichols, Inc.)
06	063000320	Warren Lake and Dam Retrofit Project No Adverse Impact Report	John R Blound, PE (Civil Solutions)
06	063000424	Friendswood Inline and Offline Detention Alternative- Memorandum Documenting Main Technical Assumptions	Jim Keith, PE, CFM, and Boris Minot, PE, CFM
06	063000477	Hardy West Alternative Analysis Summary Report	
06	063000328	Keegans Bayou Feasibility Study Plan Final Report (Appendix 5-4K)	Afshin Gazerzadeh (Huitt-Zollars, Inc)
06	063000422	City of Baytown Master Drainage Plan Volume 2: Storm Sewer System Analysis (Appendix 5-4AP)	Dora Janice Jacob (Dannenbaum Engineering Corporation)
06	063000334	Final Engineering Report for the Goose Creek Watershed Planning Project (Appendix 5-4L)	Polydefkis Bouratsis (AECOM)
06	063000360	Kingwood Drainage Study (Appendix 5-4M)	Connor A. McColloch (Neel-Schaffer, Inc.)
06	063000344	Woodland Trails Stormwater Detention Basin (E500-24-00-E001) Preliminary Engineering Report (Appendix 5-4AB)	Steven Bak (Cobb, Fendley & Associates, Inc.)
06	063000339	Willow Creek Watershed Plan Final Engineering Report (Appendix 5-4AC)	

Region	FMP ID	Engineering Judgement Description
06	063000167	In P100-00-00-E012 HEC-RAS Model Impact Results Memorandum states that the slight WSE increased are, "Based on modeling anomalies and do not reflect true adverse impacts when compared to the without project conditions."
06	063000186	Section 5.0 Summary and Conclusions states, "As the increase in water surface elevations are contained within channel banks or ROW and mitigation volume is available, it can be demonstrated the the proposed channel improvements […] will cause no adverse impact for storm events up to and including the 100-year"
06	063000311	Page 11 of 19 of the Engineer's Justification Statement states, "Upon completion of the 37th Street Drainage Project, the rainwater produced by a 100-year event will be contained within the City's right-of-way, and flooding of private property will be eliminated within the boundaries of the project improvement area"
06	063000313	Section 4.4- No Adverse Impact evaluation states, " The results presented in this section indicate that implementation of both the Ultimate and the Phase 1 improvements will not results in adverse impact to water surface elevation along Dinner creek for up to and including the 500-year event."
06	063000320	Section No Adverse Impact states, "It is my opinion that the proposed project will not adversely impact upstream, downstream or adjacent property owners . All adverse impacts of the project(impounding of storm water) will occur on property the project owner controls."
06	063000424	Acknowledged areas with localized WSE above 0.1 feet and defends increases since project was high level design with simplified approached takem that will be mitigated in future refinements of the design and analysis.
06	063000477	Section 5- Recommended Alternative states, "Alternative 3 provides a 10-year (pre-Atlas 14 update) level of-service (LOS), and results in no adverse impacts to Halls Bayou and the surrounding region, up to and including the 500-year storm event (pre-Atlas 14 update)."
06	063000328	Page 9 of the report states that "the channel modifications are successfully mitigated by the 1,600 ac-ft of detention basin storage."
06	063000422	Section 10.3 of the report states that "The detention ponds proposed for the proposed condition and channel improvements will account for impacts that cannot be mitigated due to the limited detention options in the area."
06	063000334	Section 4.1 of the report states that the project "includes two new detention basins that will be developed adjacent to Goose Creek, Basin I and Basin J. The purpose of the detention basins is to provide flooding relief and to mitigate the negative impacts of the channel and structure improvements."
06	063000360	The report acknowledges that there will be negative impacts that need to be mitigated with detention basins with detention estimates provided on pages 123 and 124 of the report.
06	063000344	Section 6.2 states that the project will "reduce the existing flood hazard along White Oak Bayou by lowering peak flows and water surface elevations ("WSEs"). The results presented in the analysis indicate that the Oxbow Alternative had the largest peak flow and WSE reductions along White Oak Bayou."
06	063000339	The model results support the conclusion of no adverse impacts due to the proposed improvements.

Region	FMP ID	FMP Name	FMP Meets ALL No Negative Impacts Requirements from Exhibit C Section 3.6.A (Yes/ No)	Negative Impact Description
06	063000321	Armand Bayou – Conveyance Improvements along B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00	Yes	N/A
06	063000474	Clear Creek Mid Reach Project	Yes	N/A
06	063000402	Carpenters Bayou – Mainstem Channel Modifications and Detention	Yes	N/A
06	063000389	White Oak Bayou - E116 Tributary Modifications and Detention	Yes	N/A
06	063000480	Kilgore Regional Detention Atlas 14 Upgrade	Yes	N/A
06	063000481	Staples Drive Improvements	Yes	N/A
06	063000482	Saw Pit Gully Crossing Improvements	Yes	N/A
06	063000483	Smith Gully and Barbers Hill Ditch	Yes	N/A
06	063000065	G103-05-00 St. Charles Place Project S-3	Yes	N/A

Region	FMP ID	Planning level Mitigation Plan (Yes/ No)	Mitigation Plan Description	No Negative Impact Determination (Yes/No)
06	063000321	N/A	N/A	Yes
06	063000474	N/A	N/A	Yes
06	063000402	N/A	N/A	Yes
06	063000389	N/A	N/A	Yes
06	063000480	No	Small impacts less than 0.35 ft that could be mitigated in final design	Yes
06	063000481	No	Small impacts less than 0.35 ft that could be mitigated in final design	Yes
06	063000482	No	Small impacts less than 0.35 ft that could be mitigated in final design	Yes
06	063000483	No	N/A	Yes
06	063000065	No	N/A	Yes

Region	FMP ID	Basis of No Negative Impact Determination (Model, Study, Engineering Judgement)	Model ID	Model Name	Model Submitted
06	063000321	Model	060000000321	Armand Bayou Conveyance Improvements B500-040-E004 and Channel Improvements B115-00-00	Amended Plan
06	063000474	Model, Study	060000000474	Clear Creek Mid Reach Project	Amended Plan
06	063000402	Model, Study	060000000051	CDBG Carpenters Bayou Watershed Plan	Draft Plan
06	063000389	Model, Study	060000000039	E116 Flood Reduction Feasibility	Draft Plan
06	063000480	Model, Engineering Judgement	60000000092	Prop CB KilgoreRegDet	2nd Amended Plan
06	063000481	Model, Engineering Judgement	60000000093	Prop CB Staples	2nd Amended Plan
06	063000482	Model, Engineering Judgement	60000000094	Prop CB SawPit	2nd Amended Plan
06	063000483	Model	60000000095	Cedar Bayou B	2nd Amended Plan
06	063000065	Model, Study, Engineering Judgement	60000000100	SJRTrib G103-09&G103-05 RAS	2nd Amended Plan

Region	FMP ID	Study Name and Location	Engineer of Record (Optional)
06	063000321	N/A	
06	063000474	Clear Creek Flood Risk Management Pre-Construction Engineering and Design Recommendation (Appendix 5-4AH)	Yasmin Martinez (Jacobs Engineering Group, Inc.)
06	063000402	The Carpenters Bayou Watershed Planning Project: Final Engineering Report (Appendix 5-4AI)	Jacob M. Torres (Torres & Associates, LLC)
06	063000389	E116-00-00 Flood Reduction Feasibility Study: Final Engineering Report (Appendix 5-4AJ)	Zubin R. Sukheswalla (Pape-Dawson Consulting Engineers)
06	063000480	Chambers-Liberty County Regional Watershed Study	Matt Lewis (Freese & Nichols, Inc.)
06	063000481	Chambers-Liberty County Regional Watershed Study	Matt Lewis (Freese & Nichols, Inc.)
06	063000482	Chambers-Liberty County Regional Watershed Study	Matt Lewis (Freese & Nichols, Inc.)
06	063000483	Chambers FIF	Thomas Coen
06	063000065	San Jacinto River Tributaries East of Lake Houston Watershed Planning Project	Mohamed Amin Bagha (Michael Baker International)

Region	FMP ID	Engineering Judgement Description
06	063000321	The model results support the conclusion of no adverse impacts due to the proposed improvements.
06	063000474	Page 7 states that "the project limits along Clear Creek were reduced and additional mitigation was added to mitigate the adverse impacts."
06	063000402	Section 5.2 states that the project includes a "182 acre-feet stormwater detention facility to mitigate impacts downstream caused by the channel improvements."
06	063000389	Section 7.1 states "Discussion of stormwater detention basins is included in Section 6 as it relates to mitigation of adverse impacts from the proposed infrastructure improvements. No additional detention other than that discussed in Section 6 is expected to be necessary."
06	063000480	NNI Table provided stated, "This project was found to meet the no adverse impact requirement, as described by TWDB as a maximum increase of 2D water surface elevation rounded to 0.3 feet (<0.35 ft) at each computation cell. Any impacts encountered in the model runs have been evaluated to be caused by the rendering of the 2D model results and were judged to be anomalous and not reflective of actual water surface elevation increases above 0.35 feet."
06	063000481	NNI Table provided stated, "This project was found to meet the no adverse impact requirement, as described by TWDB as a maximum increase of 2D water surface elevation rounded to 0.3 feet (<0.35 feet) at each computation cell. Any impacts encountered in the model runs have been evaluated to be caused by the rendering of the 2D model results and were judged to be anomalous and not reflective of actual water surface elevation increases above 0.35 feet."
06	063000482	NNI Table provided stated, "This project was found to meet the no adverse impact requirement, as described by TWDB as a maximum increase of 2D water surface elevation rounded to 0.3 feet (<0.35 feet) at each computation cell. Any impacts encountered in the model runs have been evaluated to be caused by the rendering of the 2D model results and were judged to be anomalous and not reflective of actual water surface elevation increases above 0.35 feet."
06	063000483	In Section 12.1.5 No Negative Impact it states, "The model results show that Smith Gully and Barbers Hill Ditch can be improved without detention and cause no negative impacts to WSEs of Cedar Bayou. In fact, the 100-year model results show peak 100-year WSEs of Cedar Bayou are lowered by up to 0.06'. This is because the 100-year WSE of Smith Gully downstream of SH 146 is completely controlled by backwater of Cedar Bayou which peaks 20 hours later than the local peak."
06	063000065	In Section, 5.3.3 Alternative S-3, Downstream Impacts, it states, "It was found that there will be no adverse impacts or additional structural flooding in the downstream of the improvements, and that the increases are all contained inside the existing channel banks and was below 0.1 ft. However, the proposed storm sewer increases the flow in the tributary G103-05-00. This increase in peak flow does not increase the peak flow of the SJR due to the delayed peak in the San Jacinto River. Since this project in itself does not offer major benefits to the structures, building this alternative in conjunction with Alternative S-1 and Alternative S-2 will have different impacts to the outfall tributaries and will need to be studied during the PER phase of the project. Tentative H&H modeling was prepared to study the combined effect of all three alternatives (S-1, S-2, and S-3) and it did not show any downstream impacts on the tributary G103-05-00."

Region	FMP ID	FMP Name	FMP Meets ALL No Negative Impacts Requirements from Exhibit C Section 3.6.A (Yes/ No)	Negative Impact Description
06	063000066	G103-05-02.1 Arcadian Gardens Project, alt S-4	Yes	N/A
06	063000067	G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1	Yes	N/A
06	063000068	G103-07-00 Sheldon Area Project, PA4	Yes	N/A
06	063000069	G103-24-00 Atascocita Area Project, PA1	Yes	N/A
06	063000070	Q130-00-00 Channel Improvement PER and Design, alternative 3	Yes	N/A

Region	FMP ID	Planning level Mitigation Plan (Yes/ No)	Mitigation Plan Description	No Negative Impact Determination (Yes/No)
06	063000066	No	N/A	Yes
06	063000067	No	N/A	Yes
06	063000068	No	N/A	Yes
06	063000069	No	N/A	Yes
06	063000070	No	N/A	Yes

Region	FMP ID	Basis of No Negative Impact Determination (Model, Study, Engineering Judgement)	Model ID	Model Name	Model Submitted
06	063000066	Model, Study, Engineering Judgement	60000000100	SJRTrib G103-09&G103-05 RAS	2nd Amended Plan
06	063000067	Model, Study, Engineering Judgement	60000000100	SJRTrib G103-09&G103-05 RAS	2nd Amended Plan
06	063000068	Model, Study, Engineering Judgement	60000000101	G103-07-00 Sheldon PA4	2nd Amended Plan
06	063000069	Model, Study, Engineering Judgement	60000000102	G103-24-00 Atascotia PA1	2nd Amended Plan
06	063000070	Model, Study, Engineering Judgement	60000000103	Q130	2nd Amended Plan

Region	FMP ID	Study Name and Location	Engineer of Record (Optional)
06	063000066	San Jacinto River Tributaries East of Lake Houston Watershed Planning Project	Mohamed Amin Bagha (Michael Baker International)
06	063000067	San Jacinto River Tributaries East of Lake Houston Watershed Planning Project	Mohamed Amin Bagha (Michael Baker International)
06	063000068	Atascotia Area Drainage Anaylsis Final Engineering Report	Polydefkis Bouratsis and Isabella K. Gandara (AECOM)
06	063000069	Atascotia Area Drainage Anaylsis Final Engineering Report	Polydefkis Bouratsis and Isabella K. Gandara (AECOM)
06	063000070	Preliminary Engineering Report Unit No. Q130-00-00E001 Bond Project ID F-44 Channel Conveyance Improvements	Scott L. Cunningham (HR Green Inc.)

Region	FMP ID	Engineering Judgement Description
06	063000066	In Section, 5.3.4 Alternative S-4, Downstream Impacts, it states, "The tributary G103-05-02.1 has enough capacity for the additional flows such that there would be no out-of-bank flooding in the downstream area. The increases in the WSEL due to this alternative were evaluated by detail modeling and all increases of the WSEL are contained inside the existing channel banks
06	063000067	In Section 5.3.1, Downstream Impacts, it stated that "It was determined from this modeling that there will be no adverse impacts or additional structural flooding downstream of the improvements and that the increases are all contained inside the existing channel banks; however, peak flow increases would occur at the discharge into the San Jacinto River. These increases from the tributary would most likely occur long before the arrival of the peak flow of much larger San Jacinto River which is approximately 10,000 times larger. The Barrett Station Phase I stormwater detention basin may reduce the flows getting to the storm sewer improvements proposed as part of this project, so that there would be no increase in peak flow in the tributary G103-09-01. This reduction should be quantified in future phases to confirm benefits of the combined project."
06	063000068	Section 4.3 of the final engineering report, it states,"the proposed improvements are adequate to mitigate any adverse WSE impact along the channel to the outfall at San Jacinto River. The proposed channelization results in an increase of about 267 cfs at the outfall of tributary G103-24-00 at San Jacinto River during the 100-year event (Figure 64). As explained in further in Appendix F; it is not expected that this project would cause any adverse hydraulic impacts."
06	063000069	In the executive Summary it states"a review of the proposed project performance has clearly shown that flow mitigation prior to draining into Lake Houston would not provide tangible benefits and that the removal of mitigation for this project would not result in adverse impacts within the San Jacinto River watershed. The proposed channel conveyance improvements would be adequate to mitigate any adverse water surface elevation (WSE) impact along the channel to the outfall at San Jacinto River. Storage for additional flows would be provided within the static water surface of Lake Houston." In Appendix F it states, " As discussed in the text of the FER, the selected projects in the high priority problem areas (PA 1-4) fully mitigate all adverse water surface elevation impacts along the improved streams. However, the peak outflows from the improved tributaries to the San Jacinto River are expected to be increased under proposed conditions. These increases are attributed to the improved conveyance of the streams and are not caused by increases of impervious cover. Consequently, the total volumes of the tributary outflows will not change under proposed conditions. It is understood that the ordinances in Harris County generally require that local improvements are being fully mitigated and forbid the increase of water surface elevations downstream or upstream of any new drainage projects. However, considering that the streams of the current study outflow to a lake and that the cost for mitigating these outflows would exceed available funds, an investigation has been performed to determine whether additional mitigation should be required to prevent any adverse impacts. [...] Using the results of the current analysis and engineering judgement, this feasibility study concludes that these projects for PAs 1-4 could be designed and constructed without the need to mitigate the increased outflows to SJR. The current analysis takes into consideration the local features of the project areas and the detailed modeling results that were produced for this study and for the MAAPnext study."
06	063000070	Section 6.5 states that, "The recommended alternative meets the current project budget, provides a 10-year system capacity, ensures no adverse impact to the Q130-00-00 channel/watershed, and removes 19 of 29 from being impacted during the 500-year effective (100-year Atlas 14 equivalent) storm event."

Region	FMP ID	FMP Name	FMP Meets ALL No Negative Impacts Requirements from Exhibit C Section 3.6.A (Yes/ No)	Negative Impact Description
06	063000071	Preliminary Engineering Study for Q122-00-00	Yes	N/A
06	063000072	TLV Drainage Improvement Project	Yes	N/A
06	063000073	Bear/Panther Branch Drainage Improvements project	Yes	N/A
06	063000074	Cypress Ditch Conveyance Improvement Project	Yes	N/A
06	063000076	P125-00-00 Flood Risk Reduction Project Bundle, project 1	Yes	N/A
06	063000077	P126-00-00 Flood Risk Reduction Project, project 3	Yes	N/A

Region	FMP ID	Planning level Mitigation Plan (Yes/ No)	Mitigation Plan Description	No Negative Impact Determination (Yes/No)
06	063000071	No	N/A	Yes
06	063000072	No	N/A	Yes
06	063000073	No	N/A	Yes
06	063000074	No	N/A	Yes
06	063000076	No	N/A	Yes
06	063000077	No	N/A	Yes

Region	FMP ID	Basis of No Negative Impact Determination (Model, Study, Engineering Judgement)	Model ID	Model Name	Model Submitted
06	063000071	Model, Study, Engineering Judgement	60000000104	Q122-E001	2nd Amended Plan
06	063000072	Model, Engineering Judgement	60000000115	TLV Drainage Improvement Project	2nd Amended Plan
06	063000073	Model, Study, Engineering Judgement	60000000116	Bear Panther Branch Drainage Improvements Project	2nd Amended Plan
06	063000074	Model, Study, Engineering Judgement	60000000117	Cypress Ditch Conveyance Improvement Project	2nd Amended Plan
06	063000076	Model, Study, Engineering Judgement	60000000098	P125 HYDRAULICS RASV641	2nd Amended Plan
06	063000077	Model, Study, Engineering Judgement	60000000098	P125 HYDRAULICS RASV641	2nd Amended Plan

Region	FMP ID	Study Name and Location	Engineer of Record (Optional)
06	063000071	Q122-00-00E001 (Clawson Ditch) PER Value Engineering Analysis	Paul J. Giany and Benjamin T. Castleberry (Halff Associates, Inc.)
06	063000072	Taylor Lake Village Drainage Study	Ashley Buckmaster (Gauge Engineering)
06	063000073	Bear Branch & Panther Branch Drainage Improvements	Brice W. Karger (LJA)
06	063000074	City of Bellaire Cypress Ditch Conveyance Improvement	Benjamin J. Pernezny (Ardurra) ***Florida Licensed***
06	063000076	Feasibility Study of the Subwatershed for P125-00-00, a Tributary to Greens Bayou	Jacob M. Torres and Evan S. Adrian (Torres & Associates, LLC)
06	063000077	Feasibility Study of the Subwatershed for P125-00-00, a Tributary to Greens Bayou	Jacob M. Torres and Evan S. Adrian (Torres & Associates, LLC)

Region	FMP ID	Engineering Judgement Description
		In Section 4.4 Results it states, "While there are no water surface increases anywhere in the watershed, due to the proposed conveyance improvements from the on-line detention, there are increases in the peak flow. As a percentage of the total flow, increases are minimal at about 3.3%. Similar to flow, velocity also increases in areas of the watershed that neighbor proposed improvements. Velocity in Cedar Bayou is relatively slow compared to many other watersheds. While there are some increases in peak velocity of ~2.3 ft/s, this is taking velocities from 2.83 to 5.15 ft/s, and not introducing erosive conditions into the channel. Both flow and velocity impacts are contained to the region of the watershed upstream of FM 1942 and are mitigated downstream of the roadway. At the confluence with Q100-00-00 both peak flow and velocity are mitigated showing no adverse impacts"
06	063000071	
06	063000072	Page 2 of the technical memo states that, "The benefit and no adverse impact analyses were performed for the 50%, 10%, 4% and 1% AEP storm events. Outflows to Armand Bayou were kept below a 0.5% increase for the 100-year storm event while the 2 year and 10 year storms experienced slight increases at the outfall; however, this project area is at the most downstream end of Armand Bayou before outfalling to Clear Creek and is not anticipated to create an impact along Clear Creek."
06	063000073	The the NNI Certification letter, it states, "The proposed improvements were modeled with Atlas 14 rainfall data in HEC-HMS v. 4.10 and in a 1D/2D HEC-RAS v. 6.3.1 model and followed local methodologies and criteria. The proposed flood management project has shown no negative impacts to the project area or to areas outside of the project area up to and including the Atlas 14 1% AEP event based on hydraulic and hydrologic (H&H) modeling and engineering judgement. There is no increase in water surface elevations (WSE) within the project limits due to the proposed improvements. The model cross sections show slight increases to the WSE downstream of the project in some storm event scenarios, however using engineering judgement on the models, this is caused by the flow interaction between the 1D and 2D areas of the model causing less water to reach the overbank areas and pushing the WSE in the 1D section higher. This can be supported by the floodplains showing that there is not an increase in floodplain extents, and since the terrain data in the downstream areas of the model are the same there can not be an increase to the WSE. Additionally using engineering judgement, any slight increases that may occur not due to the error in flow interaction with the hydraulic model can be eliminated with more in depth design as the current design level is only at a conceptual feasibility study."
06	063000074	The NNI certification letter states that "the proposed improvements, including increasing the conveyance capacity of Cypress Ditch and constructing regional detention facilities, are designed to enhance flood management and reduce inundation within the Cypress Ditch Basin. Our preliminary analysis, as illustrated in the attached inundation figures, suggests that these modifications will have no negative impact upstream, downstream, or within the project area, and will result in a net benefit in flood resiliency."
06	063000076	Section 7.3.3 states that, "The impact analysis for this project resulted in no adverse impacts within the vicinity of the project greater than 0.01 feet for the 1%, 10%, and 50% AEP storm events. This was primarily accomplished by the expansion of the detention in the mid-reach of P125-00-00 in Phase 1 of Recommended Project 1 to mitigate the increases in flow due to the storm sewer and channel conveyance improvements."
06	063000077	Section 7.5.2 states that, "The impact analysis for this project resulted in no adverse impacts within the vicinity of the project greater than 0.01 feet for the 1%, 10%, and 50% AEP storm events. This was primarily due to the mitigation established in Phase 1 of Recommended Project 3. "

Region	FMP ID	FMP Name	FMP Meets ALL No Negative Impacts Requirements from Exhibit C Section 3.6.A (Yes/ No)	Negative Impact Description
06	063000078	G103-09-01 Barrett Settlement and St. Charles Place Project S-2	Yes	N/A
06	063000079	E116-00-00 Flood Risk Reduction Project Phase 2	Yes	N/A
06	063000080	Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets	Yes	N/A
06	063000081	Saltwater Ditch Subwatershed Flood Risk Reduction Project	Yes	N/A
06	063000082	Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1	Yes	N/A
06	063000083	Southland	Yes	N/A
06	063000084	Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1	Yes	N/A

Region	FMP ID	Planning level Mitigation Plan (Yes/ No)	Mitigation Plan Description	No Negative Impact Determination (Yes/No)
06	063000078	No	N/A	Yes
06	063000079	No	N/A	Yes
06	063000080	No	N/A	Yes
06	063000081	No	N/A	Yes
06	063000082	No	N/A	Yes
06	063000083	No	N/A	Yes
06	063000084	No	N/A	Yes

Region	FMP ID	Basis of No Negative Impact Determination (Model, Study, Engineering Judgement)	Model ID	Model Name	Model Submitted
06	063000078	Model, Study, Engineering Judgement	60000000100	SJRTrib G103-09&G103-05 RAS	2nd Amended Plan
06	063000079	Model, Study, Engineering Judgement	60000000099	E116Subwatershed Models April2022	2nd Amended Plan
06	063000080	Model, Study, Engineering Judgement	60000000105	Q534-01-00	2nd Amended Plan
06	063000081	Model, Study, Engineering Judgement	60000000096	Saltwater Ditch EPASWMM	2nd Amended Plan
06	063000082	Model, Study, Engineering Judgement	60000000118	Q136-00-00	2nd Amended Plan
06	063000083	Model, Study, Engineering Judgement	60000000110	Southland	2nd Amended Plan
06	063000084	Model, Study, Engineering Judgement	60000000106	Vince Bayou I100	2nd Amended Plan

Region	FMP ID	Study Name and Location	Engineer of Record (Optional)
		San Jacinto River Tributaries East of Lake Houston Watershed Planning Project	Mohamed Amin Bagha (Michael Baker International)
06	063000078		
06	063000079	E116-00-00 Flood Reduction Feasibility Study	Zubin R. Sukheswalla (Pape-Dawson Engineers)
06	063000080	Preliminary Engineering Report Q543-01-00 Stormwater Detention Basin and HCFCD Unit Q134-00-00 Channel Improvement	Michael H. Brennan, Patrick Rummel, and Aravind Nimma (Gunda Corporation)
06	063000081	Impact Study for Salt Water Ditch Improvements From Calhoun Road to Sims Bayou	Brian R. Whitney (Gauge Engineering)
06	063000082	Preliminary Engineering Report Q136-00-00-E001 Bond Project ID F-69 Channel Conveyance Improvements	Lubaina Selani and Scott Cunningham (HR Green Inc.)
06	063000083	Greater OST/South Union/Scott Street Area Drainage Improvements	Candyce Ward (CobbFendley)
06	063000084	Vince Bayou Channel Conveyance Improvements Preliminary Engineering Report	José J. De La Peña (5engineering)

Region	FMP ID	Engineering Judgement Description
		In Section, 5.3.2 Alternative S-2, Downstream Impacts, it states, "As in case of the alternative S-1, since the proposed drainage system of alternative S-2 also drains directly to an existing natural channel downstream of tributary G103-09-01 without any stormwater detention, this system results in an increase in peak flows in the downstream tributary. However, the tributary is located completely within the San Jacinto floodplain. Based on the evaluation done using detailed hydraulic modeling using HEC-RAS capabilities, the increases in the WSEL were found to be very minimal (less than 1 inch) as increase in flow in the San Jacinto floodplain due to the mitigation features of this alternative is far outweighed by the major peak flows within the San Jacinto River floodplain."
06	063000078	
06	063000079	In the FER, several mitigation measures were discussed to avoid adverse impacts within the E116-00-00 study area, such as the proposed detention basin. The implementation of Phase 2 essentially completes all projects within the Overall Strategies Scenario. Peak stage analysis during the BCA analysis indicates that the project does not have any adverse impact upstream or downstream of the project area within the E116-00-00 study area. - BCA memo pg 3
06	063000080	On page 3 of the executive summary, it states, "The proposed imporvements have no adverse impacts within the Q134-00-00 watershed and downstream in the Q134-00-00 channel"
06	063000081	Section 4.4 of the report states that, "The results of the HEC-HMS model run show that the proposed detention basin will mitigate peak flows by shaving off the upper portions of the Sims Bayou hydrograph enough to not increase peak flows downstream of the confluence of the Salt Water Ditch."
06	063000082	In Section 6.4.1. Preferred Alternative 2D Impact Analysis, it states, "In the preferred alternatives analysis, alternative 1 was further refined to reduce 2D impacts. A storage area was used to model the preferred alternative basin to find a weir and berm configuration that reduces 2D impacts. The new storage area of the preferred alternative reflects the proposed detention more accurately and ensures there is no increase in WSE in the modeled channels in the 1D and no significant WSE increase in the 2D areas. The ID impact analysis for the preferred alternative is provided in Appendix H. There are two storms in which 2D impacts are observed, in both instances the 2D impacts are less than 0.04 ft and they do not adversely impact any structures or roadway. The 2D impacts observed far from the proposed improvements are likely due to modeling limitations and errors. Figure 26 below shows the two areas where the impacts are observed far from the proposed improvements are likely due to modeling limitations and errors. Figure 26 below shows the two areas where the impacts are observed."
06	063000083	In the Southland Drainage Improvement Mitigation Methodology, on page 4, it states, "Due to the larger storm sewer size which provides increased conveyance and storage, the flow from Brays Bayou was able to enter the storm sewer more effectively and so will not adversely impact Brays Bayou"
06	063000084	On page 17 of the final Vince Bayou Channel Conveyance Improvements PER, in section 4.3.3 Summary of Benefits, it states, "For Alternative 1, the water surface elevations in Vince Bayou for the 100-year storm event are reduced anywhere from 2.2 inches at the downstream end of Vince Bayou to a maximum of 12.1 inches in the vicinity of WP-01. No impacts are seen in the channel for storm events up to and including the 100-year frequency."

Region	FMP ID	FMP Name	FMP Meets ALL No Negative Impacts Requirements from Exhibit C Section 3.6.A (Yes/ No)	Negative Impact Description
06	063000085	C-106 -- FMN. FMS, GT, alt7	Yes	N/A
06	063000086	Westbury	Yes	N/A
06	063000087	Kirkwood / Nottingham	Yes	N/A
06	063000088	Spring Shadow South	Yes	N/A
06	063000089	Q128-00-00 Channel Conveyance Improvements	Yes	N/A
06	063000090	Richmond Plaza	Yes	N/A

Region	FMP ID	Planning level Mitigation Plan (Yes/ No)	Mitigation Plan Description	No Negative Impact Determination (Yes/No)
06	063000085	No	N/A	Yes
06	063000086	No	N/A	Yes
06	063000087	No	N/A	Yes
06	063000088	No	N/A	Yes
06	063000089	No	N/A	Yes
06	063000090	No	N/A	Yes

Region	FMP ID	Basis of No Negative Impact Determination (Model, Study, Engineering Judgement)	Model ID	Model Name	Model Submitted
06	063000085	Model, Study, Engineering Judgement	60000000111	C-106	2nd Amended Plan
06	063000086	Model, Study, Engineering Judgement	60000000107	Westbury	2nd Amended Plan
06	063000087	Model, Study, Engineering Judgement	60000000113	Krikwood Nottingham	2nd Amended Plan
06	063000088	Model, Study, Engineering Judgement	060000000108, 060000000109, 060000000120, 060000000121	Srping Shadow South Proposed,	2nd Amended Plan
06	063000089	Model, Study, Engineering Judgement	60000000097	Q128-00-00-E001	2nd Amended Plan
06	063000090	Model, Study, Engineering Judgement	60000000119	Richmond	2nd Amended Plan

Region	FMP ID	Study Name and Location	Engineer of Record (Optional)
06	063000085	C106-00-00 Regional Detention Technical Memorandum	Candyce Ward (CobbFendley)
06	063000086	Westbury Area Drainage and Paving Improvements	Keith Edwin Smathers (BGE, Inc.)
06	063000087	Atlas 14 Updated of Nottingham Area Drainage and Paving Improvement Project	Ted Chu (Civil Tech Engineering Inc.)
06	063000088	Spring Shadows Drainage Improvements Analysis	
06	063000089	Q128-000-00 from US 90 to the confluence with Q100-00-00 Channel Improvements and Detention Basin	Kyle P. Moynihan (IEA Inc.)
06	063000090	Chimney Rock Master Drainage Plan	C. Andrew Moore (Halff Associates, Inc.)

Region	FMP ID	Engineering Judgement Description
06	063000085	In section 7. Conclusion it states, "Additionally, CobbFendley has modelled both a restricted and an unrestricted scenario for the alternative. While it is critical that the infrastructure associated with this drainage study does not adversely impact channel flows downstream, there may come a time where downstream mitigation is proposed. If that shall happen and WSE's within C106-00-00 decrease, there will be an option to remove the restrictor in the 4-12x12's, which will immediately provide benefits to the neighborhoods of FWMN/FWMS/GWT."
06	063000086	In the Technical Memorandum for Westbury Area Drainage and Paving, section Westbury CIP project states, "This project will not remove the area from the 100-year floodplain of Willow Waterhole Bayou. The 2-year and local 100-year storm event design criteria set by the City of Houston are both met by this project."
06	063000087	In the Atlas 14 Update of Notthingham Area Drainage and Pacing Improvement Project Report, Section 6 states that, "the following sections present three mitigation alternatives that resultsin no adverse impact to existing conditions and associated storage volume requirement, LOS, and cost estimate."
06	063000088	The Impact Analysis - WSE in section 4.2.1 Alternative 1 for Project Area A states, "The ponding limits and depth are shown in Figure 4-7, Figure 4-8 and Figure 4-9. The proposed improvement will drop the 100-year WSE by nearly 0.46 feet in the study area. The proposed pipes outfall into the HCFCD drainage system without increasing the existing WSE. Therefore, the proposed improvements of Project Area A will not adversely impact the existing condition of the drainage system." Section 5.2.1 Alternative 1 for Project Area B states, "The proposed project meets the 2-year level of service which means no street flooding (HGL below gutter). It also lowers ponding depth for 10-year and 100-year storm events. Ponding maps are shown in Figure 4-7, Figure 4-8 and Figure 4-9." For Project Area C, section 6.2.1 states that alternative 1 "meets the 2-year level of service which means no street flooding (HGL below gutter). It also lowers ponding depth for 10-year and 100-year storm events. Ponding maps are shown Figure 6-3, Figure 6-4 and Figure 6-5."
06	063000089	The conclusion of the Impact Analysis report states that, "The HEC-HMS model results indicated no increase in flow downstream of Q128-00-00 for all storm events. 1D cross sections output revealed no increase in WSEL and the proposed channel velocities were lowered or increased by a negligible amount from existing conditions. Lastly, the WSEL grids confirmed no adverse impacts in the overbank floodplains. As shown in this impact analysis the proposed improvements do not create adverse impacts that would impact structures throughout the study area in storm events up to and including the 500-yr event."
06	063000090	The memo provided states that, "Each of the requirements specified by the TWDB were evaluated for the recommended project. The minimum no negative impact requirements as stated below would be met by the proposed detention as well as the storm sewer improvements as described above: 1. Stormwater does not increase inundation in areas beyond the public right-of-way, project property, or easement. 2. Stormwater does not increase inundation of storm drainage networks, channels, and roadways beyond design capacity. 3. Maximum increase of 1D water surface elevation must round to 0.0 feet "

Region	FMP ID	FMP Name	FMP Meets ALL No Negative Impacts Requirements from Exhibit C Section 3.6.A (Yes/ No)	Negative Impact Description
06	063000091	Huntington Village	Yes	N/A
06	063000092	Scott Street - OST to Brays Projects 1,2,and 3	Yes	N/A
06	063000095	Spring Creek I-45 Channelization	Yes	N/A
06	063000098	Lake Creek - Caney Creek Detention	Yes	N/A

Region	FMP ID	Planning level Mitigation Plan (Yes/ No)	Mitigation Plan Description	No Negative Impact Determination (Yes/No)
06	063000091	No	N/A	Yes
06	063000092	No	N/A	Yes
06	063000095	Yes	Birch Creek and/or Walnut Creek Detention detention projects (063000062, 063000096) would need to be implemented prior to this FMP to mitigate negative impacts.	Yes
06	063000098	N/A	N/A	Yes

Region	FMP ID	Basis of No Negative Impact Determination (Model, Study, Engineering Judgement)	Model ID	Model Name	Model Submitted
06	063000091	Model, Study, Engineering Judgement	60000000112	Hunnington Village	2nd Amended Plan
06	063000092	Model, Study, Engineering Judgement	60000000114	Scott OST	2nd Amended Plan
06	063000095	Model, Study, Engineering Judgement	060000000026	San Jacinto Master Drainage Plan	Draft Plan
06	063000098	Engineering Judgement	060000000026	San Jacinto Master Drainage Plan	Draft Plan

Region	FMP ID	Study Name and Location	Engineer of Record (Optional)
		Final Report Need Area M-2017-005	Aranganatahan Seshadri (HR Green, Inc.)
06	063000091		
06	063000092	Greater OST/South Union/Scott Street Area Drainage Improvements	Andres A. Salazar and Rebekah L. Campbell (Walter P. Moore and Associates, Inc.)
06	063000095	San Jacinto Regional Watershed Master Drainage Plan	Andrew Moore (Halff Associates, Inc.)
06	063000098	San Jacinto Regional Watershed Master Drainage Plan	Andrew Moore (Halff Associates, Inc.)

Region	FMP ID	Engineering Judgement Description
		On pg 1 of the Storm water Pre-enginnering sertvices Need Area M-2017-005 Final Report in the candidate project section, it states,"The proposed storm system includes in-line detention in order to ensure no negative downstream effects due to the drainage improvements. For all analysis, tailwater conditions were set by the top of pipe elevation at the system outfall. The Keegan's Bayou (D118-00-00) FEMA HEC-RAS model showed that the 100 year water surface elevation at STA 26111 is 81.12'. The STA 26111 is almost 200-feet downstream of the Dairy Ashford outfall. The HouStorm model for Pre-engineering project was analyzed for 2 year and 100 year event for existing and proposed condition. The downstream HGL for run 211 (10'X10' RCB outfall) is 79.97' in the 100 year proposed conditions analysis, which is almost 1.5' lower than the 100-yr Keegan's Bayou FEMA model at STA 26111. Therefore it is assumed that there is no negative impact to Keegans Bayou in the 2 year or 100 year event due to this project."
06	063000091	
06	063000092	Section 7.0 states that, "For the multi-phase plan presented in this analysis, there are no adverse impacts to Kuhlman Gully for storm events up to and including the 100-year storm."
06	063000095	In the SJRA FMX Submission Memorandum in section Spring Creek Watershed- Woodlands & I-45 Channelization Projects it states, "The minimum no negative impact requirements as stated below would be met by the proposed channelization projects through the interdependencies with the associated upstream detention facilities: 1. Stormwater does not increase inundation in areas beyond the public right-of-way, project property, or easement. 2. Stormwater does not increase inundation of storm drainage networks, channels, and roadways beyond design capacity. 3. Maximum increase of 1D water surface elevation must round to 0.0 feet (<0.05 ft) measured along the hydraulic cross section. 4. Maximum increase of 2D water surface elevation must round to 0.3 feet (<0.35 ft) measured at each computational cell. 5. Maximum increase in hydrologic peak discharge must be <0.5 percent measured at computational nodes (sub-basins, junctions, reaches, reservoirs, etc.). This discharge restriction does not apply to a 2D overland analysis."
06	063000098	In the SJRA FMX Submission Memorandum in section Lake Creek Watershed it states, "Each of the requirements specified by the TWDB have been evaluated for the Lake Creek Watershedprojects. The minimum no negative impact requirements as stated below would be met by the proposed detention projects and continued design finalization as described above: 1. Stormwater does not increase inundation in areas beyond the public right-of-way, project property, or easement. 2. Stormwater does not increase inundation of storm drainage networks, channels, and roadways beyond design capacity. 3. Maximum increase of 1D water surface elevation must round to 0.0 feet (<0.05 ft) measured along the hydraulic cross section. 4. Maximum increase of 2D water surface elevation must round to 0.3 feet (<0.35 ft) measured at each computational cell. 5. Maximum increase in hydrologic peak discharge must be <0.5 percent measured at computational nodes (sub-basins, junctions, reaches, reservoirs, etc.). This discharge restriction does not apply to a 2D overland analysis."

Region	FMP ID	FMP Name	FMP Meets ALL No Negative Impacts Requirements from Exhibit C Section 3.6.A (Yes/ No)	Negative Impact Description
06	063000093	Lake Creek - Garrett's Creek Detention	Yes	N/A
06	063000094	Lake Creek - Little Caney Creek Detention	Yes	N/A

Region	FMP ID	Planning level Mitigation Plan (Yes/ No)	Mitigation Plan Description	No Negative Impact Determination (Yes/No)
06	063000093	N/A	N/A	Yes
06	063000094	N/A	N/A	Yes

Region	FMP ID	Basis of No Negative Impact Determination (Model, Study, Engineering Judgement)	Model ID	Model Name	Model Submitted
06	063000093	Engineering Judgement	060000000026	San Jacinto Master Drainage Plan	Draft Plan
06	063000094	Engineering Judgement	060000000026	San Jacinto Master Drainage Plan	Draft Plan

Region	FMP ID	Study Name and Location	Engineer of Record (Optional)
06	063000093	San Jacinto Regional Watershed Master Drainage Plan	Andrew Moore (Halff Associates, Inc.)
06	063000094	San Jacinto Regional Watershed Master Drainage Plan	Andrew Moore (Halff Associates, Inc.)

Region	FMP ID	Engineering Judgement Description
		In the SJRA FMX Submission Memorandum in section Lake Creek Watershed it states, "Each of the requirements specified by the TWDB have been evaluated for the Lake Creek Watershed projects. The minimum no negative impact requirements as stated below would be met by the proposed detention projects and continued design finalization as described above: 1. Stormwater does not increase inundation in areas beyond the public right-of-way, project property, or easement. 2. Stormwater does not increase inundation of storm drainage networks, channels, and roadways beyond design capacity. 3. Maximum increase of 1D water surface elevation must round to 0.0 feet (<0.05 ft) measured along the hydraulic cross section. 4. Maximum increase of 2D water surface elevation must round to 0.3 feet (<0.35 ft) measured at each computational cell. 5. Maximum increase in hydrologic peak discharge must be <0.5 percent measured at computational nodes (sub-basins, junctions, reaches, reservoirs, etc.). This discharge restriction does not apply to a 2D overland analysis."
06	063000093	
06	063000094	In the SJRA FMX Submission Memorandum in section Lake Creek Watershed it states, "Each of the requirements specified by the TWDB have been evaluated for the Lake Creek Watershed projects. The minimum no negative impact requirements as stated below would be met by the proposed detention projects and continued design finalization as described above: 1. Stormwater does not increase inundation in areas beyond the public right-of-way, project property, or easement. 2. Stormwater does not increase inundation of storm drainage networks, channels, and roadways beyond design capacity. 3. Maximum increase of 1D water surface elevation must round to 0.0 feet (<0.05 ft) measured along the hydraulic cross section. 4. Maximum increase of 2D water surface elevation must round to 0.3 feet (<0.35 ft) measured at each computational cell. 5. Maximum increase in hydrologic peak discharge must be <0.5 percent measured at computational nodes (sub-basins, junctions, reaches, reservoirs, etc.). This discharge restriction does not apply to a 2D overland analysis."

Region	FMP ID	FMP Name	FMP Meets ALL No Negative Impacts Requirements from Exhibit C Section 3.6.A (Yes/ No)	Negative Impact Description
06	063000096	Spring Creek Walnut Creek Detention	Yes	N/A
06	063000097	Spring Creek Woodlands Channelization (200-ft)	Yes	N/A

Region	FMP ID	Planning level Mitigation Plan (Yes/ No)	Mitigation Plan Description	No Negative Impact Determination (Yes/No)
06	063000096	Yes	Birch Creek and/or Walnut Creek Detention detention projects (063000062, 063000096) would need to be implemented prior to channelization FMPs (063000095, 063000097) to mitigate negative impacts.	Yes
06	063000097	Yes	Birch Creek and/or Walnut Creek Detention detention projects (063000062, 063000096) would need to be implemented prior to channelization FMPs (063000095, 063000097) to mitigate negative impacts.	Yes

Region	FMP ID	Basis of No Negative Impact Determination (Model, Study, Engineering Judgement)	Model ID	Model Name	Model Submitted
06	063000096	Model, Study, Engineering Judgement	060000000026	San Jacinto Master Drainage Plan	Draft Plan
06	063000097	Model, Study, Engineering Judgement	060000000026	San Jacinto Master Drainage Plan	Draft Plan

Region	FMP ID	Study Name and Location	Engineer of Record (Optional)
06	063000096	San Jacinto Regional Watershed Master Drainage Plan	Andrew Moore (Halff Associates, Inc.)
06	063000097	San Jacinto Regional Watershed Master Drainage Plan	Andrew Moore (Halff Associates, Inc.)

Region	FMP ID	Engineering Judgement Description
		In the SJRA FMX Submission Memorandum in section Spring Creek Watershed it states, "Negative impacts are also being vetted for the detention projects during the ongoing feasibility study. As dam configurations are being adjusted as part of the feasibility study, modeling is continuously being updated to reflect adjustments and continue to verify that the proposed projects will not cause negative impacts. The final designs of the proposed projects will ensure that neighboring communities are not negatively impacted due to project implementation. Each of the requirements specified by the TWDB have been evaluated for the Spring Creek Watershed projects. The minimum no negative impact requirements as stated below would be met by the proposed detention projects through the design finalization as described above: 1. Stormwater does not increase inundation in areas beyond the public right-of-way, project property, or easement. 2. Stormwater does not increase inundation of storm drainage networks, channels, and roadways beyond design capacity. 3. Maximum increase of 1D water surface elevation must round to 0.0 feet (<0.05 ft) measured along the hydraulic cross section. 4. Maximum increase of 2D water surface elevation must round to 0.3 feet (<0.35 ft) measured at each computational cell. 5. Maximum increase in hydrologic peak discharge must be <0.5 percent measured at computational nodes (sub-basins, junctions, reaches, reservoirs, etc.). This discharge restriction does not apply to a 2D overland analysis."
06	063000096	
06	063000097	In the SJRA FMX Submission Memorandum in section Spring Creek Watershed- Woodlands & I-45 Channelization Projects it states, "The minimum no negative impact requirements as stated below would be met by the proposed channelization projects through the interdependencies with the associated upstream detention facilities: 1. Stormwater does not increase inundation in areas beyond the public right-of-way, project property, or easement. 2. Stormwater does not increase inundation of storm drainage networks, channels, and roadways beyond design capacity. 3. Maximum increase of 1D water surface elevation must round to 0.0 feet (<0.05 ft) measured along the hydraulic cross section. 4. Maximum increase of 2D water surface elevation must round to 0.3 feet (<0.35 ft) measured at each computational cell. 5. Maximum increase in hydrologic peak discharge must be <0.5 percent measured at computational nodes (sub-basins, junctions, reaches, reservoirs, etc.). This discharge restriction does not apply to a 2D overland analysis."

Region	FMP ID	FMP Name	FMP Meets ALL No Negative Impacts Requirements from Exhibit C Section 3.6.A (Yes/ No)	Negative Impact Description
06	063000099	Spring Creek Birch Creek Detention	Yes	N/A

Region	FMP ID	Planning level Mitigation Plan (Yes/ No)	Mitigation Plan Description	No Negative Impact Determination (Yes/No)
06	063000099	Yes	Birch Creek and/or Walnut Creek Detention detention projects (063000062, 063000096) would need to be implemented prior to this FMP to mitigate negative impacts.	Yes

Region	FMP ID	Basis of No Negative Impact Determination (Model, Study, Engineering Judgement)	Model ID	Model Name	Model Submitted
06	063000099	Model, Study, Engineering Judgement	060000000026	San Jacinto Master Drainage Plan	Draft Plan

Region	FMP ID	Study Name and Location	Engineer of Record (Optional)
06	063000099	San Jacinto Regional Watershed Master Drainage Plan	Andrew Moore (Halff Associates, Inc.)

Region	FMP ID	Engineering Judgement Description
		In the SJRA FMX Submission Memorandum in section Spring Creek Watershed it states, "Negative impacts are also being vetted for the detention projects during the ongoing feasibility study. As dam configurations are being adjusted as part of the feasibility study, modeling is continuously being updated to reflect adjustments and continue to verify that the proposed projects will not cause negative impacts. The final designs of the proposed projects will ensure that neighboring communities are not negatively impacted due to project implementation. Each of the requirements specified by the TWDB have been evaluated for the Spring Creek Watershed projects. The minimum no negative impact requirements as stated below would be met by the proposed detention projects through the design finalization as described above: 1. Stormwater does not increase inundation in areas beyond the public right-of-way, project property, or easement. 2. Stormwater does not increase inundation of storm drainage networks, channels, and roadways beyond design capacity. 3. Maximum increase of 1D water surface elevation must round to 0.0 feet (<0.05 ft) measured along the hydraulic cross section. 4. Maximum increase of 2D water surface elevation must round to 0.3 feet (<0.35 ft) measured at each computational cell. 5. Maximum increase in hydrologic peak discharge must be <0.5 percent measured at computational nodes (sub-basins, junctions, reaches, reservoirs, etc.). This discharge restriction does not apply to a 2D overland analysis."
06	063000099	

Appendix 5-10:

FMP Details

Texas Water Development Board

	General Project Data							
Project Name	**FMP**	**Project Description:**	**Flood Region**	**Project Type**	**FIUP Project Category**	**Project Watershed**	**Rural Applicant**	**Project Cost**
Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	063000026	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	San Jacinto	Comprehensive	2	Clear Creek & Dickinson Bayou	No	$ 1,150,000,000
Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown	063000027	Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown	San Jacinto	Comprehensive	2	Brays Bayou	No	$ 107,061,000
Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00	063000037	Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00	San Jacinto	Comprehensive	2	Sims Bayou	No	$ 99,653,000
Halls Bayou Watershed Mitigation Application 1 - CDBG MIT	063000040	Halls Bayou Watershed Mitigation Application 1 - CDBG MIT	San Jacinto	Comprehensive	2	Halls Bayou	No	$ 99,653,000
White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak	063000046	White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak	San Jacinto	Comprehensive	2	White Oak Bayou	No	$ 120,015,000

		General Project Data					Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)			
Project Name	**Benefit Cost Ratio**	**Cost per Structure Removed**	**Pre-Project Level-of-Service**	**Post-Project Level-of-Service**	**# of Structures in 1% Annual Chance FP (Pre-Project)**	**Project Status**	**Average Flood Depth (100yr)**	**Notes**	**Severity Ranking: Pre-Project Average Depth of Flooding (100-year)**	**Score 1**
Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	0.06	$ 1,262,349.13	Unknown	Unknown	3642	Planning	1.029		Baseline average flood depth > 1ft	6
Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown	0.13	$ 669,131.25	Unknown	Unknown	267	Planning	0.524		Baseline average flood depth > 0.5ft	4
Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00	1.80	$ 43,650.03	Unknown	Unknown	4367	Planning	1.063		Baseline average flood depth > 1ft	6
Halls Bayou Watershed Mitigation Application 1 - CDBG MIT	1.46	$ 32,964.94	Unknown	0.01	15541	Planning	2.813		Baseline average flood depth > 2ft	8
White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak	0.80	$ 179,126.88	Unknown	0.01	2937	Planning	0.903		Baseline average flood depth > 0.5ft	4

	Score 2: Severity - Community Need (% Population)	Score 2: Severity - Community Need (% Population)					Score 3: Flood Risk Reduction			
Project Name	**Communities Served by Project**	**Community Population Served**	**Flood Plain Population**	**Notes 2**	**Severity Ranking: Community Need (% Population)**	**Score 2**	**# of Structures Removed from 1% Annual Chance FP**	**Notes 3**	**Flood Risk Reduction**	**Score 3**
Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	Brazoria County, Galveston County, Harris County; Pasadena city, Alvin city, El Lago city, Clear Lake Shores city, Taylor Lake Village city, La Porte city, Webster city, Friendswood city, Houston city, Kemah city, Nassau Bay city, Pearland city, Shoreacres city, League City city, Seabrook city	5,453,858	10,260	0.19%	<25% of project community affected	1	911	25.01%	Reduced risk to <50% of structures in floodplain	4
Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown	Harris County, Fort Bend County; Meadows Place city, Southside Place city, Missouri City city, Sugar Land city, Bellaire city, Stafford city, Houston city, Four Corners CDP, Mission Bend CDP, West University Place city	5,553,924	6,750	0.12%	<25% of project community affected	1	160	59.93%	Reduced risk to <75% of structures in floodplain	7
Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00	Harris County, Fort Bend County; Pasadena city, Missouri City city, Stafford city, South Houston city, Houston city, Pearland city	5,553,924	14,516	0.26%	<25% of project community affected	1	2283	52.28%	Reduced risk to <75% of structures in floodplain	7
Halls Bayou Watershed Mitigation Application 1 - CDBG MIT	Harris County; Houston city, Aldine CDP	4,731,145	43,667	0.92%	<25% of project community affected	1	3023	19.45%	Reduced risk to <50% of structures in floodplain	4
White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak	Harris County; Houston city, Jersey Village city	4,731,145	10,513	0.22%	<25% of project community affected	1	670	22.81%	Reduced risk to <50% of structures in floodplain	4

Texas Water Development Board

	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction				Score 6: Life and Safety			
Project Name	**# of Structures with Reduced 1% Annual Chance Flood Risk**	**Pre-Project Damage $**	**Post-Project Damage $**	**Notes 4**	**Flood Damage Reduction**	**Score 4**	**# of Critical Faciliites Removed from 1% Annual Chance FP**	**Notes 5**	**Reduction in Critical Facilities Flood Risk**	**Score 5**	**Adjusted Injury Risk (%)**	**Notes 6**	**Life and Safety Ranking (Injury/Loss of Life)**	**Score 6**
Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	1358	$ 1,364,856,777	$ 1,225,237,940	10.23%	Flood damage reduction < 25%	2	8	44.44%	Reduced risk for >25% of critical facilities in floodplain	4	9.087		Life/injury risk percentage <20%	2
Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown	78	$ 5,892,708	$ 3,163,203	46.32%	Flood damage reduction > 25%	4	4	15.38%	Reduced risk for <25% of critical facilities in floodplain	2	7.572		Life/injury risk percentage <20%	2
Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00	1328	$ 27,781,666		100.00%	Flood damage reduction >95%	10	32	54.24%	Reduced risk for >50% of critical facilities in floodplain	6	9.189		Life/injury risk percentage <20%	2
Halls Bayou Watershed Mitigation Application 1 - CDBG MIT	3259	$ 147,283,199	$ 7,740,718	94.74%	Flood damage reduction >95%	10	6	6.25%	Reduced risk for <25% of critical facilities in floodplain	2	14.439		Life/injury risk percentage <20%	2
White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak	549	$ 152,483,269	$ 105,838,953	30.59%	Flood damage reduction > 25%	4	3	7.32%	Reduced risk for <25% of critical facilities in floodplain	2	8.709		Life/injury risk percentage <20%	2

Texas Water Development Board

	Score 7: Water Supply						Score 8: Social Vulnerability				Score 9: Nature-Based Solution				Score 10: Multiple Benefits	
Project Name	Water Supply Benefit in Acre-Feet	SourceID	WMS_ID	Notes 7	Water Supply Yield Ranking	Score 7	SVI Score	Notes 8	Social Vulnerability Ranking	Score 8	% Nature Based Solution by Cost	Notes 9	Nature-Based Solutions Ranking	Score 9	Multiple Benefits Description	Notes 10
Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	NA				No impact on water supply	0	0.332		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	0	
Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown	NA				No impact on water supply	0	0.756		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	0	
Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00	NA				No impact on water supply	0	0.797		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	0	
Halls Bayou Watershed Mitigation Application 1 - CDBG MIT	NA				No impact on water supply	0	0.783		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	0	
White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak	NA				No impact on water supply	0	0.919		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	0	

	Score 10: Multiple Benefits		Score 11: O&M		Score 11: O&M		Score 12: Admin, Regulatory Obstacles		
Project Name	**Multiple Benefit Ranking**	**Score 10**	**O&M Cost (Annual)**	**Notes 11**	**Operations and Maintenance Ranking**	**Score 11**	**Notes 12**	**Administrative, Regulatory and Other Obstacle Ranking**	**Score 12**
Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	Project delivers benefits in 3 wider benefit categories	7	$ 69,673,000	6.06%	Project will require ongoing operation and maintenance outside of the owner's regular maintenance practices; long-term O&M requirements are undefined; and/or high annual O&M cost > 1% of project (high);	4		Project has a high number of administrative, regulatory and limitations / requirements	2
Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown	Project delivers benefits in 3 wider benefit categories	7	$ 6,487,000	6.06%	Project will require ongoing operation and maintenance outside of the owner's regular maintenance practices; long-term O&M requirements are undefined; and/or high annual O&M cost > 1% of project (high);	4		Project has a high number of administrative, regulatory and limitations / requirements	2
Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00	Project delivers benefits in 3 wider benefit categories	7	$ 6,038,000	6.06%	Project will require ongoing operation and maintenance outside of the owner's regular maintenance practices; long-term O&M requirements are undefined; and/or high annual O&M cost > 1% of project (high);	4		Project has a high number of administrative, regulatory and limitations / requirements	2
Halls Bayou Watershed Mitigation Application 1 - CDBG MIT	Project delivers benefits in 3 wider benefit categories	7	$ 6,038,000	6.06%	Project will require ongoing operation and maintenance outside of the owner's regular maintenance practices; long-term O&M requirements are undefined; and/or high annual O&M cost > 1% of project (high);	4		Project has a high number of administrative, regulatory and limitations / requirements	2
White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak	Project delivers benefits in 3 wider benefit categories	7	$ 7,272,000	6.06%	Project will require ongoing operation and maintenance outside of the owner's regular maintenance practices; long-term O&M requirements are undefined; and/or high annual O&M cost > 1% of project (high);	4		Project has a high number of administrative, regulatory and limitations / requirements	2

	Score 13: Enviromental Benefit			Score 14: Environmental Impact			Score 15: Mobility			
Project Name	**Notes 13**	**Environmental Benefit Ranking**	**Score 13**	**Notes 14**	**Environmental Impact Ranking**	**Score 14**	**Traffic Count for LWC Project**	**Notes 15**	**Mobility Ranking**	**Score 15**
Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3		Project will deliver a moderate level of environmental benefits (2-3 categories)	6		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown		Project will deliver a moderate level of environmental benefits (2-3 categories)	6		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00		Project will deliver a high level of environmental benefits (4+ categories)	10		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Halls Bayou Watershed Mitigation Application 1 - CDBG MIT		Project will deliver a moderate level of environmental benefits (2-3 categories)	6		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak		Project will deliver a moderate level of environmental benefits (2-3 categories)	6		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4

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	General Project Data							
Project Name	**FMP**	**Project Description:**	**Flood Region**	**Project Type**	**FIUP Project Category**	**Project Watershed**	**Rural Applicant**	**Project Cost**
Mary's Creek Lower, Middle, and Upper Segment	063000056	Mary's Creek Lower, Middle, and Upper Segment	San Jacinto	Comprehensive	2	San Jacinto River Basin	No	$ 154,040,000
Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105	063000058	Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105	San Jacinto	Comprehensive	2	San Jacinto River Basin	No	$ 469,000,000
East Fork San Jacinto River - Winters Bayou Detention	063000059	East Fork San Jacinto River - Winters Bayou Detention	San Jacinto	Detention Pond	2	San Jacinto River Basin	No	$ 167,000,000
Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek	063000061	Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek	San Jacinto	Comprehensive	2	San Jacinto River Basin	No	$ 810,000,000
West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	063000064	West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	San Jacinto	Channel	2	Buffalo-San Jacinto, East Fork San Jacinto, Spring, West Fork San Jacinto, & North Galveston Bay	No	$ 994,000,000

		General Project Data					Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)			
Project Name	Benefit Cost Ratio	Cost per Structure Removed	Pre-Project Level-of-Service	Post-Project Level-of-Service	# of Structures in 1% Annual Chance FP (Pre-Project)	Project Status	Average Flood Depth (100yr)	Notes	Severity Ranking: Pre-Project Average Depth of Flooding (100-year)	Score 1
Mary's Creek Lower, Middle, and Upper Segment	0.16	$ 66,282.28	Unknown	Unknown	2711	Planning	1.138		Baseline average flood depth > 1ft	6
Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105	0.30	$ 361,603.72	Varies by Roadways	Varies by Roadways	2146	Planning	1.511		Baseline average flood depth > 1ft	6
East Fork San Jacinto River - Winters Bayou Detention	0.38	$ 205,837.19	Varies by Roadways	Varies by Roadways	1896	Planning	1.144		Baseline average flood depth > 1ft	6
Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek	0.26	$ 706,806.31	Varies by Roadways	Varies by Roadways	1516	Planning	-			
West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	0.10	$ 606,837.63	Varies by Roadways	Varies by Roadways	5610	Planning	7.56		Baseline average flood depth > 3.5ft	10

	Score 2: Severity - Community Need (% Population)	Score 2: Severity - Community Need (% Population)					Score 3: Flood Risk Reduction			
Project Name	**Communities Served by Project**	**Community Population Served**	**Flood Plain Population**	**Notes 2**	**Severity Ranking: Community Need (% Population)**	**Score 2**	**# of Structures Removed from 1% Annual Chance FP**	**Notes 3**	**Flood Risk Reduction**	**Score 3**
Mary's Creek Lower, Middle, and Upper Segment	Brazoria County, Galveston County;	60,312	6,644	11.02%	<25% of project community affected	1	2324	85.72%	Reduced risk to >75% of structures in floodplain	10
Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105	Walker County, San Jacinto County, Harris County, Montgomery County, Liberty County; Cleveland city, Deerwood CDP, New Waverly city, Woodbranch city, Porter Heights CDP, Patton Village city, Roman Forest city, Houston city, Splendora city, Grangerland CDP, Willis city, Cut and Shoot city	5,547,018	3,232	0.06%	<25% of project community affected	1	1297	60.44%	Reduced risk to <75% of structures in floodplain	7
East Fork San Jacinto River - Winters Bayou Detention	Walker County, San Jacinto County, Harris County, Montgomery County, Liberty County; Cleveland city, Patton Village city, Coldspring city, Roman Forest city, North Cleveland city, Houston city, Splendora city, Plum Grove city, Huntsville city, Oakhurst CDP	5,547,018	2,559	0.05%	<25% of project community affected	1	651	34.34%	Reduced risk to <50% of structures in floodplain	4
Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek	Walker County, San Jacinto County, Montgomery County, Liberty County; Cleveland city, Woodbranch city, Patton Village city, Roman Forest city, Splendora city	815,873	2,166	0.27%	<25% of project community affected	1	1146	75.59%	Reduced risk to >75% of structures in floodplain	10
West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	Harris County, Montgomery County;Houston City, Humble City, Shenandoah City, Oak Ridge Nortth City, Conroe Citym Woodloch City	269,719	15,431	5.72%	<25% of project community affected	1	2365	42.16%	Reduced risk to <50% of structures in floodplain	4

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	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction				Score 6: Life and Safety			
Project Name	**# of Structures with Reduced 1% Annual Chance Flood Risk**	**Pre-Project Damage $**	**Post-Project Damage $**	**Notes 4**	**Flood Damage Reduction**	**Score 4**	**# of Critical Faciliites Removed from 1% Annual Chance FP**	**Notes 5**	**Reduction in Critical Facilities Flood Risk**	**Score 5**	**Adjusted Injury Risk (%)**	**Notes 6**	**Life and Safety Ranking (Injury/Loss of Life)**	**Score 6**
Mary's Creek Lower, Middle, and Upper Segment	310	$ 1,182,357	$ 486,080	58.89%	Flood damage reduction > 50%	6	6	66.67%	Reduced risk for >50% of critical facilities in floodplain	6	9.414		Life/injury risk percentage <20%	2
Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105	336	$ 1,339,324	$ 781,055	41.68%	Flood damage reduction > 25%	4	0	0.00%	Reduced risk for 0 structures in floodplain	0	10.533		Life/injury risk percentage <20%	2
East Fork San Jacinto River - Winters Bayou Detention	297	$ 547,719		100.00%	Flood damage reduction >95%	10	1	33.33%	Reduced risk for >25% of critical facilities in floodplain	4	9.432		Life/injury risk percentage <20%	2
Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek	98	$ 278,594,754	$ 67,994,762	75.59%	Flood damage reduction > 75%		1	100.00%	Reduced risk for >95% of critical facilities in floodplain	10	-		Life/injury risk percentage <20%	2
West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	1280	$ 235,786,050	$ 136,386,049	42.16%	Flood damage reduction > 25%	4	14	23.73%	Reduced risk for <25% of critical facilities in floodplain	2	28.68		Life/injury risk percentage >20%	4

	Score 7: Water Supply						Score 8: Social Vulnerability				Score 9: Nature-Based Solution				Score 10: Multiple Benefits	
Project Name	Water Supply Benefit in Acre-Feet	SourceID	WMS_ID	Notes 7	Water Supply Yield Ranking	Score 7	SVI Score	Notes 8	Social Vulnerability Ranking	Score 8	% Nature Based Solution by Cost	Notes 9	Nature-Based Solutions Ranking	Score 9	Multiple Benefits Description	Notes 10
Mary's Creek Lower, Middle, and Upper Segment	NA				No impact on water supply	0	0.176		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	0	
Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105	NA				No impact on water supply	0	0.548		SVI between 0.5-0.75 (moderate to high vulnerability)	7	0		<25% of the project cost is nature-based	1	0	
East Fork San Jacinto River - Winters Bayou Detention	NA				No impact on water supply	0	0.601		SVI between 0.5-0.75 (moderate to high vulnerability)	7	0		<25% of the project cost is nature-based	1	0	
Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek	NA				No impact on water supply	0	0.589		SVI between 0.5-0.75 (moderate to high vulnerability)	7	0		<25% of the project cost is nature-based	1	0	
West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	NA				No impact on water supply	0	0.212		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	None	

	Score 10: Multiple Benefits		Score 11: O&M		Score 11: O&M		Score 12: Admin, Regulatory Obstacles		
Project Name	**Multiple Benefit Ranking**	**Score 10**	**O&M Cost (Annual)**	**Notes 11**	**Operations and Maintenance Ranking**	**Score 11**	**Notes 12**	**Administrative, Regulatory and Other Obstacle Ranking**	**Score 12**
Mary's Creek Lower, Middle, and Upper Segment	Project delivers benefits in 3 wider benefit categories	7	$ 9,323,000	6.05%	Project will require ongoing operation and maintenance outside of the owner's regular maintenance practices; long-term O&M requirements are undefined; and/or high annual O&M cost > 1% of project (high);	4		Project has a high number of administrative, regulatory and limitations / requirements	2
Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105	Project delivers benefits in 3 wider benefit categories	7	$ 31,940,000	6.81%	Project will require ongoing operation and maintenance outside of the owner's regular maintenance practices; long-term O&M requirements are undefined; and/or high annual O&M cost > 1% of project (high);	4		Project has a high number of administrative, regulatory and limitations / requirements	2
East Fork San Jacinto River - Winters Bayou Detention	Project delivers benefits in 3 wider benefit categories	7	$ 10,008,000	7.47%	Project will require ongoing operation and maintenance outside of the owner's regular maintenance practices; long-term O&M requirements are undefined; and/or high annual O&M cost > 1% of project (high);	4		Project has a high number of administrative, regulatory and limitations / requirements	2
Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek	Project delivers benefits in 3 wider benefit categories	7	$ 48,658,000	6.01%	Project will require ongoing operation and maintenance outside of the owner's regular maintenance practices; long-term O&M requirements are undefined; and/or high annual O&M cost > 1% of project (high);	4		Project has a high number of administrative, regulatory and limitations / requirements	2
West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	Project does not deliver any wider benefits	0	$ 50,815,000	5.11%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Right-of-Way, Permitting, Acquisitions, Utility Conflics, Transportation Conflicts	Project has a high number of administrative, regulatory and limitations / requirements	2

	Score 13: Enviromental Benefit			Score 14: Environmental Impact			Score 15: Mobility			
Project Name	**Notes 13**	**Environmental Benefit Ranking**	**Score 13**	**Notes 14**	**Environmental Impact Ranking**	**Score 14**	**Traffic Count for LWC Project**	**Notes 15**	**Mobility Ranking**	**Score 15**
Mary's Creek Lower, Middle, and Upper Segment		Project will deliver a moderate level of environmental benefits (2-3 categories)	6		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105		Project will deliver a moderate level of environmental benefits (2-3 categories)	6		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
East Fork San Jacinto River - Winters Bayou Detention		Project will deliver a moderate level of environmental benefits (2-3 categories)	6		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek		Project will deliver a moderate level of environmental benefits (2-3 categories)	6		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4

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	General Project Data							
Project Name	**FMP**	**Project Description:**	**Flood Region**	**Project Type**	**FIUP Project Category**	**Project Watershed**	**Rural Applicant**	**Project Cost**
G103-05-00 St. Charles Place Project S-3	063000065	G103-05-00 St. Charles Place Project S-3	San Jacinto	Infrastructure	2	Buffalo-San Jacinto	No	$ 2,019,000
G103-05-02.1 Arcadian Gardens Project, alt S-4	063000066	G103-05-02.1 Arcadian Gardens Project, alt S-4	San Jacinto	Comprehensive	2	Buffalo-San Jacinto	No	$ 1,245,000
G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1	063000067	G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1	San Jacinto	Infrastructure	2	Buffalo-San Jacinto	No	$ 8,798,000
G103-07-00 Sheldon Area Project, PA4	063000068	G103-07-00 Sheldon Area Project, PA4	San Jacinto	Channel	2	Buffalo-San Jacinto	No	$ 29,081,000

		General Project Data					Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)			
Project Name	**Benefit Cost Ratio**	**Cost per Structure Removed**	**Pre-Project Level-of-Service**	**Post-Project Level-of-Service**	**# of Structures in 1% Annual Chance FP (Pre-Project)**	**Project Status**	**Average Flood Depth (100yr)**	**Notes**	**Severity Ranking: Pre-Project Average Depth of Flooding (100-year)**	**Score 1**
G103-05-00 St. Charles Place Project S-3	0.68	$ 288,428.59	Unknown	Unknown	968	Planning	14.04		Baseline average flood depth > 3.5ft	10
G103-05-02.1 Arcadian Gardens Project, alt S-4	1.32	$ 10,289.26	Unknown	Unknown	968	Planning	14.04		Baseline average flood depth > 3.5ft	10
G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1	0.59	$ 53,646.34	Unknown	Unknown	968	Planning	14.04		Baseline average flood depth > 3.5ft	10
G103-07-00 Sheldon Area Project, PA4	0.09	$ 372,833.34	Unknown	Unknown	813	Planning	1.14		Baseline average flood depth > 1ft	6

	Score 2: Severity - Community Need (% Population)	Score 2: Severity - Community Need (% Population)					Score 3: Flood Risk Reduction			
Project Name	**Communities Served by Project**	**Community Population Served**	**Flood Plain Population**	**Notes 2**	**Severity Ranking: Community Need (% Population)**	**Score 2**	**# of Structures Removed from 1% Annual Chance FP**	**Notes 3**	**Flood Risk Reduction**	**Score 3**
G103-05-00 St. Charles Place Project S-3	Harris County;Houston City	23,344	1,696	7.27%	<25% of project community affected	1	16	1.65%	Reduced risk to <10% of structures in floodplain	1
G103-05-02.1 Arcadian Gardens Project, alt S-4	Harris County;Houston City	23,344	1,696	7.27%	<25% of project community affected	1	125	12.91%	Reduced risk to <50% of structures in floodplain	4
G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1	Harris County;Houston City	23,344	1,696	7.27%	<25% of project community affected	1	195	20.14%	Reduced risk to <50% of structures in floodplain	4
G103-07-00 Sheldon Area Project, PA4	Harris County;	4,731	2,411	50.96%	50%-75% of project community affected	7	78	9.59%	Reduced risk to <10% of structures in floodplain	1

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	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction				Score 6: Life and Safety			
Project Name	**# of Structures with Reduced 1% Annual Chance Flood Risk**	**Pre-Project Damage $**	**Post-Project Damage $**	**Notes 4**	**Flood Damage Reduction**	**Score 4**	**# of Critical Faciliites Removed from 1% Annual Chance FP**	**Notes 5**	**Reduction in Critical Facilities Flood Risk**	**Score 5**	**Adjusted Injury Risk (%)**	**Notes 6**	**Life and Safety Ranking (Injury/Loss of Life)**	**Score 6**
G103-05-00 St. Charles Place Project S-3	115	$ 20,767,000	$ 19,350,000	6.82%	Flood damage reduction < 25%	2	1	25.00%	Reduced risk for >25% of critical facilities in floodplain	4	48.12		Life/injury risk percentage >40%	8
G103-05-02.1 Arcadian Gardens Project, alt S-4	8	$ 20,261,000	$ 18,844,000	6.99%	Flood damage reduction < 25%	2	0	0.00%	Reduced risk for 0 structures in floodplain	0	48.12		Life/injury risk percentage >40%	8
G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1	209	$ 20,503,000	$ 15,780,000	23.04%	Flood damage reduction < 25%	2	0	0.00%	Reduced risk for 0 structures in floodplain	0	48.12		Life/injury risk percentage >40%	8
G103-07-00 Sheldon Area Project, PA4	215	$ 45,459,000	$ 29,679,000	34.71%	Flood damage reduction > 25%	4	1	25.00%	Reduced risk for >25% of critical facilities in floodplain	4	9.42		Life/injury risk percentage <20%	2

	Score 7: Water Supply						Score 8: Social Vulnerability				Score 9: Nature-Based Solution				Score 10: Multiple Benefits	
Project Name	**Water Supply Benefit in Acre-Feet**	**SourceID**	**WMS_ID**	**Notes 7**	**Water Supply Yield Ranking**	**Score 7**	**SVI Score**	**Notes 8**	**Social Vulnerability Ranking**	**Score 8**	**% Nature Based Solution by Cost**	**Notes 9**	**Nature-Based Solutions Ranking**	**Score 9**	**Multiple Benefits Description**	**Notes 10**
G103-05-00 St. Charles Place Project S-3	NA				No impact on water supply	0	0.753		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	None	
G103-05-02.1 Arcadian Gardens Project, alt S-4	NA				No impact on water supply	0	0.753		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	None	
G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1	NA				No impact on water supply	0	0.753		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	None	
G103-07-00 Sheldon Area Project, PA4	NA				No impact on water supply	0	0.622		SVI between 0.5-0.75 (moderate to high vulnerability)	7	0		<25% of the project cost is nature-based	1	None	

	Score 10: Multiple Benefits		Score 11: O&M		Score 11: O&M		Score 12: Admin, Regulatory Obstacles		
Project Name	**Multiple Benefit Ranking**	**Score 10**	**O&M Cost (Annual)**	**Notes 11**	**Operations and Maintenance Ranking**	**Score 11**	**Notes 12**	**Administrative, Regulatory and Other Obstacle Ranking**	**Score 12**
G103-05-00 St. Charles Place Project S-3	Project does not deliver any wider benefits	0	$ 121,140	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Right-of-Way Acquisitions, Utility Conflicts	Project has a high number of administrative, regulatory and limitations / requirements	2
G103-05-02.1 Arcadian Gardens Project, alt S-4	Project does not deliver any wider benefits	0	$ 74,700	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Right-of-Way, Utility Conflicts	Project has a high number of administrative, regulatory and limitations / requirements	2
G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1	Project does not deliver any wider benefits	0	$ 527,880	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Coordination to ensure proper inlet connections to detention pond, Right-of-Way Acquisitions, Utility Conflicts, Transportation Coordination (TxDOT was coordinated with)	Project has a high number of administrative, regulatory and limitations / requirements	2
G103-07-00 Sheldon Area Project, PA4	Project does not deliver any wider benefits	0	$ 1,744,860	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Right-of-Way, Utility Conflicts, Environmental Conflicts, Jurisdictional Verification of Channel	Project has a high number of administrative, regulatory and limitations / requirements	2

	Score 13: Enviromental Benefit			Score 14: Environmental Impact			Score 15: Mobility			
Project Name	**Notes 13**	**Environmental Benefit Ranking**	**Score 13**	**Notes 14**	**Environmental Impact Ranking**	**Score 14**	**Traffic Count for LWC Project**	**Notes 15**	**Mobility Ranking**	**Score 15**
G103-05-00 St. Charles Place Project S-3		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
G103-05-02.1 Arcadian Gardens Project, alt S-4		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
G103-07-00 Sheldon Area Project, PA4		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4

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	General Project Data							
Project Name	**FMP**	**Project Description:**	**Flood Region**	**Project Type**	**FIUP Project Category**	**Project Watershed**	**Rural Applicant**	**Project Cost**
G103-24-00 Atascocita Area Project, PA1	063000069	G103-24-00 Atascocita Area Project, PA1	San Jacinto	Comprehensive	2	West Fork San Jacinto, & Buffalo-San Jacinto	No	$ 16,137,000
Q130-00-00 Channel Improvement PER and Design, alternative 3	063000070	Q130-00-00 Channel Improvement PER and Design, alternative 3	San Jacinto	Comprehensive	2	North Galveston Bay	No	$ 14,497,000

		General Project Data					Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)			
Project Name	Benefit Cost Ratio	Cost per Structure Removed	Pre-Project Level-of-Service	Post-Project Level-of-Service	# of Structures in 1% Annual Chance FP (Pre-Project)	Project Status	Average Flood Depth (100yr)	Notes	Severity Ranking: Pre-Project Average Depth of Flooding (100-year)	Score 1
G103-24-00 Atascocita Area Project, PA1	0.56	$ 94,923.53	Unknown	Unknown	215	Planning	3.07		Baseline average flood depth > 2ft	8
Q130-00-00 Channel Improvement PER and Design, alternative 3	0.02	$ 233,822.58	Unknown	Unknown	141	Planning	1		Baseline average flood depth > 0.5ft	4

	Score 2: Severity - Community Need (% Population)	Score 2: Severity - Community Need (% Population)					Score 3: Flood Risk Reduction			
Project Name	**Communities Served by Project**	**Community Population Served**	**Flood Plain Population**	**Notes 2**	**Severity Ranking: Community Need (% Population)**	**Score 2**	**# of Structures Removed from 1% Annual Chance FP**	**Notes 3**	**Flood Risk Reduction**	**Score 3**
G103-24-00 Atascocita Area Project, PA1	Harris County;Houston City	22,326	640	2.87%	<25% of project community affected	1	170	79.07%	Reduced risk to >75% of structures in floodplain	10
Q130-00-00 Channel Improvement PER and Design, alternative 3	Harris County, Liberty County;	575	131	22.78%	<25% of project community affected	1	62	43.97%	Reduced risk to <50% of structures in floodplain	4

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	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction				Score 6: Life and Safety			
Project Name	**# of Structures with Reduced 1% Annual Chance Flood Risk**	**Pre-Project Damage $**	**Post-Project Damage $**	**Notes 4**	**Flood Damage Reduction**	**Score 4**	**# of Critical Faciliites Removed from 1% Annual Chance FP**	**Notes 5**	**Reduction in Critical Facilities Flood Risk**	**Score 5**	**Adjusted Injury Risk (%)**	**Notes 6**	**Life and Safety Ranking (Injury/Loss of Life)**	**Score 6**
G103-24-00 Atascocita Area Project, PA1	14	$ 30,623,000	$ 11,068,000	63.86%	Flood damage reduction > 50%	6	3	75.00%	Reduced risk for >75% of critical facilities in floodplain	8	15.21		Life/injury risk percentage <20%	2
Q130-00-00 Channel Improvement PER and Design, alternative 3	37	$ 391,000	$ 92,000	76.47%	Flood damage reduction > 75%	8	0	0.00%	Reduced risk for 0 structures in floodplain	0	9		Life/injury risk percentage <20%	2

	Score 7: Water Supply						Score 8: Social Vulnerability				Score 9: Nature-Based Solution				Score 10: Multiple Benefits	
Project Name	Water Supply Benefit in Acre-Feet	SourceID	WMS_ID	Notes 7	Water Supply Yield Ranking	Score 7	SVI Score	Notes 8	Social Vulnerability Ranking	Score 8	% Nature Based Solution by Cost	Notes 9	Nature-Based Solutions Ranking	Score 9	Multiple Benefits Description	Notes 10
G103-24-00 Atascocita Area Project, PA1	NA				No impact on water supply	0	0.135		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	None	
Q130-00-00 Channel Improvement PER and Design, alternative 3	NA				No impact on water supply	0	0.249		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	Potential to incorporate trails within maintenance berm of the detention basin's top of bank. Also, some of the SWQ features proposed in the midstream detention basin can promote natural aquatic, riparian, and upland habitats.	

	Score 10: Multiple Benefits		Score 11: O&M		Score 11: O&M		Score 12: Admin, Regulatory Obstacles		
Project Name	**Multiple Benefit Ranking**	**Score 10**	**O&M Cost (Annual)**	**Notes 11**	**Operations and Maintenance Ranking**	**Score 11**	**Notes 12**	**Administrative, Regulatory and Other Obstacle Ranking**	**Score 12**
G103-24-00 Atascocita Area Project, PA1	Project does not deliver any wider benefits	0	$ 968,220	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Right-of-Way, Utility Conflicts, Environmental Conflicts, Jurisdictional Verification of Channel	Project has a high number of administrative, regulatory and limitations / requirements	2
Q130-00-00 Channel Improvement PER and Design, alternative 3	Project delivers benefits in 2 wider benefit categories	4	$ 869,820	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Right-of-Way, Permitting, Utility Conflicts, Transportation Conflicts	Project has a high number of administrative, regulatory and limitations / requirements	2

	Score 13: Enviromental Benefit			Score 14: Environmental Impact			Score 15: Mobility			
Project Name	**Notes 13**	**Environmental Benefit Ranking**	**Score 13**	**Notes 14**	**Environmental Impact Ranking**	**Score 14**	**Traffic Count for LWC Project**	**Notes 15**	**Mobility Ranking**	**Score 15**
G103-24-00 Atascocita Area Project, PA1		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Q130-00-00 Channel Improvement PER and Design, alternative 3		Project will deliver a low level of environmental benefits (1 category)	3		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4

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	General Project Data							
Project Name	**FMP**	**Project Description:**	**Flood Region**	**Project Type**	**FIUP Project Category**	**Project Watershed**	**Rural Applicant**	**Project Cost**
Preliminary Engineering Study for Q122-00-00	063000071	Preliminary Engineering Study for Q122-00-00	San Jacinto	Detention Pond	2	Buffalo-San Jacinto & North Galveston Bay	No	$ 16,153,000
TLV Drainage Improvement Project	063000072	TLV Drainage Improvement Project	San Jacinto	Infrastructure	2	West Galveston Bay		$ 6,130,000
Bear/Panther Branch Drainage Improvements project	063000073	Bear/Panther Branch Drainage Improvements project	San Jacinto	Comprehensive	2	Spring		$ 23,567,000
Cypress Ditch Conveyance Improvement Project	063000074	Cypress Ditch Conveyance Improvement Project	San Jacinto	Channel	2	Buffalo-San Jacinto		$ 75,916,000

		General Project Data					Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)			
Project Name	Benefit Cost Ratio	Cost per Structure Removed	Pre-Project Level-of-Service	Post-Project Level-of-Service	# of Structures in 1% Annual Chance FP (Pre-Project)	Project Status	Average Flood Depth (100yr)	Notes	Severity Ranking: Pre-Project Average Depth of Flooding (100-year)	Score 1
Preliminary Engineering Study for Q122-00-00	0.03	$ 85,465.61	Unknown	Unknown	639	Planning	2.02		Baseline average flood depth > 2ft	8
TLV Drainage Improvement Project	2.08	$ 1,226,000.00	Unknown	Unknown	476	Planning	0.88		Baseline average flood depth > 0.5ft	4
Bear/Panther Branch Drainage Improvements project	1.90	$ 190,056.45	Unknown	Unknown	450	Planning	8.52		Baseline average flood depth > 3.5ft	10
Cypress Ditch Conveyance Improvement Project	2.30	$ 2,530,533.25	Unknown	Unknown	957	Planning	1.79		Baseline average flood depth > 1ft	6

	Score 2: Severity - Community Need (% Population)	Score 2: Severity - Community Need (% Population)					Score 3: Flood Risk Reduction			
Project Name	**Communities Served by Project**	**Community Population Served**	**Flood Plain Population**	**Notes 2**	**Severity Ranking: Community Need (% Population)**	**Score 2**	**# of Structures Removed from 1% Annual Chance FP**	**Notes 3**	**Flood Risk Reduction**	**Score 3**
Preliminary Engineering Study for Q122-00-00	Chambers County, Harris County;	1,813	1,041	57.42%	50%-75% of project community affected	7	189	29.58%	Reduced risk to <50% of structures in floodplain	4
TLV Drainage Improvement Project	Harris County;El Lago City, Pasadena City, Taylor Lake Village City	1,681	915	54.43%	50%-75% of project community affected	7	14	2.94%	Reduced risk to <10% of structures in floodplain	1
Bear/Panther Branch Drainage Improvements project	Montgomery County;Conroe City, The Woodlands City	24,009	9,728	40.52%	25%-50% of project community affected	4	275	61.11%	Reduced risk to <75% of structures in floodplain	7
Cypress Ditch Conveyance Improvement Project	Harris County;Houston City, Bellaire City	13,532	3,468	25.63%	25%-50% of project community affected	4	30	3.13%	Reduced risk to <10% of structures in floodplain	1

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	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction				Score 6: Life and Safety			
Project Name	**# of Structures with Reduced 1% Annual Chance Flood Risk**	**Pre-Project Damage $**	**Post-Project Damage $**	**Notes 4**	**Flood Damage Reduction**	**Score 4**	**# of Critical Faciliites Removed from 1% Annual Chance FP**	**Notes 5**	**Reduction in Critical Facilities Flood Risk**	**Score 5**	**Adjusted Injury Risk (%)**	**Notes 6**	**Life and Safety Ranking (Injury/Loss of Life)**	**Score 6**
Preliminary Engineering Study for Q122-00-00	0	$ 187,000	$ 187,000	0.00%	Flood damage reduction < 25%	2	0	0.00%	Reduced risk for 0 structures in floodplain	0	12.06		Life/injury risk percentage <20%	2
TLV Drainage Improvement Project	28	$ 433,513,584	$ 420,763,185	2.94%	Flood damage reduction < 25%	2	0	0.00%	Reduced risk for 0 structures in floodplain	0	8.64		Life/injury risk percentage <20%	2
Bear/Panther Branch Drainage Improvements project	124	$ 4,659,000	$ 293,000	93.71%	Flood damage reduction > 75%	8	16	57.14%	Reduced risk for >50% of critical facilities in floodplain	6	31.56		Life/injury risk percentage >30%	6
Cypress Ditch Conveyance Improvement Project	44	$ 5,569,956,805	$ 5,395,350,008	3.13%	Flood damage reduction < 25%	2	0	0.00%	Reduced risk for 0 structures in floodplain	0	11.37		Life/injury risk percentage <20%	2

	Score 7: Water Supply						Score 8: Social Vulnerability				Score 9: Nature-Based Solution				Score 10: Multiple Benefits	
Project Name	**Water Supply Benefit in Acre-Feet**	**SourceID**	**WMS_ID**	**Notes 7**	**Water Supply Yield Ranking**	**Score 7**	**SVI Score**	**Notes 8**	**Social Vulnerability Ranking**	**Score 8**	**% Nature Based Solution by Cost**	**Notes 9**	**Nature-Based Solutions Ranking**	**Score 9**	**Multiple Benefits Description**	**Notes 10**
Preliminary Engineering Study for Q122-00-00	NA				No impact on water supply	0	0.737		SVI between 0.5-0.75 (moderate to high vulnerability)	7	0		<25% of the project cost is nature-based	1	None	
TLV Drainage Improvement Project	NA				No impact on water supply	0	0.120		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	None	
Bear/Panther Branch Drainage Improvements project	NA				No impact on water supply	0	0.020		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	None	
Cypress Ditch Conveyance Improvement Project	NA				No impact on water supply	0	0.034		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	None	

	Score 10: Multiple Benefits		Score 11: O&M		Score 11: O&M		Score 12: Admin, Regulatory Obstacles		
Project Name	**Multiple Benefit Ranking**	**Score 10**	**O&M Cost (Annual)**	**Notes 11**	**Operations and Maintenance Ranking**	**Score 11**	**Notes 12**	**Administrative, Regulatory and Other Obstacle Ranking**	**Score 12**
Preliminary Engineering Study for Q122-00-00	Project does not deliver any wider benefits	0	$ 969,180	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Right-of-Way Acquisition, Permitting, Utility Conflicts, Environmental Conflicts	Project has a high number of administrative, regulatory and limitations / requirements	2
TLV Drainage Improvement Project	Project does not deliver any wider benefits	0	$ 367,800	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Right-of-Way, Permitting, Potential Transportation Conflicts	Project has a high number of administrative, regulatory and limitations / requirements	2
Bear/Panther Branch Drainage Improvements project	Project does not deliver any wider benefits	0	$ 1,414,020	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Right-of-Way and Permitting	Project has a high number of administrative, regulatory and limitations / requirements	2
Cypress Ditch Conveyance Improvement Project	Project does not deliver any wider benefits	0	$ 4,554,960	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Right-of-Way and Permitting	Project has a high number of administrative, regulatory and limitations / requirements	2

	Score 13: Enviromental Benefit			Score 14: Environmental Impact			Score 15: Mobility			
Project Name	**Notes 13**	**Environmental Benefit Ranking**	**Score 13**	**Notes 14**	**Environmental Impact Ranking**	**Score 14**	**Traffic Count for LWC Project**	**Notes 15**	**Mobility Ranking**	**Score 15**
Preliminary Engineering Study for Q122-00-00		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
TLV Drainage Improvement Project		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Bear/Panther Branch Drainage Improvements project		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Cypress Ditch Conveyance Improvement Project		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4

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	General Project Data							
Project Name	**FMP**	**Project Description:**	**Flood Region**	**Project Type**	**FIUP Project Category**	**Project Watershed**	**Rural Applicant**	**Project Cost**
P125-00-00 Flood Risk Reduction Project Bundle, project 1	063000076	P125-00-00 Flood Risk Reduction Project Bundle, project 1	San Jacinto	Comprehensive	2	Buffalo-San Jacinto	No	$ 46,273,000
P126-00-00 Flood Risk Reduction Project, project 3	063000077	P126-00-00 Flood Risk Reduction Project, project 3	San Jacinto	Channel	2	Buffalo-San Jacinto	No	$ 78,753,000
G103-09-01 Barrett Settlement and St. Charles Place Project S-2	063000078	G103-09-01 Barrett Settlement and St. Charles Place Project S-2	San Jacinto	Infrastructure	2	Buffalo-San Jacinto	No	$ 21,056,000
E116-00-00 Flood Risk Reduction Project Phase 2	063000079	E116-00-00 Flood Risk Reduction Project Phase 2	San Jacinto	Comprehensive	2	Buffalo-San Jacinto	No	$ 22,852,000

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		General Project Data					Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)			
Project Name	Benefit Cost Ratio	Cost per Structure Removed	Pre-Project Level-of-Service	Post-Project Level-of-Service	# of Structures in 1% Annual Chance FP (Pre-Project)	Project Status	Average Flood Depth (100yr)	Notes	Severity Ranking: Pre-Project Average Depth of Flooding (100-year)	Score 1
P125-00-00 Flood Risk Reduction Project Bundle, project 1	0.65	$ 103,057.91	10-year	Unknown	1609	Planning	1.38		Baseline average flood depth > 1ft	6
P126-00-00 Flood Risk Reduction Project, project 3	0.76	$ 226,301.72	10-year	Unknown	1610	Planning	1.38		Baseline average flood depth > 1ft	6
G103-09-01 Barrett Settlement and St. Charles Place Project S-2	0.41	$ 92,757.71	Unknown	Unknown	968	Planning	14.04		Baseline average flood depth > 3.5ft	10
E116-00-00 Flood Risk Reduction Project Phase 2	0.50	$ 7,617,333.50	Varies	50 & 100-year	484	Planning	1.41		Baseline average flood depth > 1ft	6

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	Score 2: Severity - Community Need (% Population)	Score 2: Severity - Community Need (% Population)					Score 3: Flood Risk Reduction			
Project Name	**Communities Served by Project**	**Community Population Served**	**Flood Plain Population**	**Notes 2**	**Severity Ranking: Community Need (% Population)**	**Score 2**	**# of Structures Removed from 1% Annual Chance FP**	**Notes 3**	**Flood Risk Reduction**	**Score 3**
P125-00-00 Flood Risk Reduction Project Bundle, project 1	Harris County;Houston City	5,844	4,967	84.99%	>75% of project community affected (by population)	10	449	27.91%	Reduced risk to <50% of structures in floodplain	4
P126-00-00 Flood Risk Reduction Project, project 3	Harris County;Houston City	5,844	4,968	85.01%	>75% of project community affected (by population)	10	348	21.61%	Reduced risk to <50% of structures in floodplain	4
G103-09-01 Barrett Settlement and St. Charles Place Project S-2	Harris County;Houston City	23,344	1,696	7.27%	<25% of project community affected	1	308	31.82%	Reduced risk to <50% of structures in floodplain	4
E116-00-00 Flood Risk Reduction Project Phase 2	Harris County;Houston City	1,446	1,293	89.42%	>75% of project community affected (by population)	10	3	0.62%	Reduced risk to <10% of structures in floodplain	1

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	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction				Score 6: Life and Safety			
Project Name	**# of Structures with Reduced 1% Annual Chance Flood Risk**	**Pre-Project Damage $**	**Post-Project Damage $**	**Notes 4**	**Flood Damage Reduction**	**Score 4**	**# of Critical Faciliites Removed from 1% Annual Chance FP**	**Notes 5**	**Reduction in Critical Facilities Flood Risk**	**Score 5**	**Adjusted Injury Risk (%)**	**Notes 6**	**Life and Safety Ranking (Injury/Loss of Life)**	**Score 6**
P125-00-00 Flood Risk Reduction Project Bundle, project 1	552	$ 47,215,000	$ 27,071,000	42.66%	Flood damage reduction > 25%	4	3	25.00%	Reduced risk for >25% of critical facilities in floodplain	4	10.14		Life/injury risk percentage <20%	2
P126-00-00 Flood Risk Reduction Project, project 3	884	$ 47,215,000	$ 13,194,000	72.06%	Flood damage reduction > 50%	6	2	16.67%	Reduced risk for <25% of critical facilities in floodplain	2	10.14		Life/injury risk percentage <20%	2
G103-09-01 Barrett Settlement and St. Charles Place Project S-2	171	$ 19,145,000	$ 14,700,000	23.22%	Flood damage reduction < 25%	2	1	25.00%	Reduced risk for >25% of critical facilities in floodplain	4	48.12		Life/injury risk percentage >50%	10
E116-00-00 Flood Risk Reduction Project Phase 2	141	$ 515,045,000	$ 512,568,000	0.48%	Flood damage reduction < 25%	2	0	0.00%	Reduced risk for 0 structures in floodplain	0	10.23		Life/injury risk percentage <20%	2

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	Score 7: Water Supply						Score 8: Social Vulnerability				Score 9: Nature-Based Solution				Score 10: Multiple Benefits	
Project Name	Water Supply Benefit in Acre-Feet	SourceID	WMS_ID	Notes 7	Water Supply Yield Ranking	Score 7	SVI Score	Notes 8	Social Vulnerability Ranking	Score 8	% Nature Based Solution by Cost	Notes 9	Nature-Based Solutions Ranking	Score 9	Multiple Benefits Description	Notes 10
P125-00-00 Flood Risk Reduction Project Bundle, project 1	NA				No impact on water supply	0	0.866		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	None	
P126-00-00 Flood Risk Reduction Project, project 3	NA				No impact on water supply	0	0.866		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	None	
G103-09-01 Barrett Settlement and St. Charles Place Project S-2	NA				No impact on water supply	0	0.753		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	None	
E116-00-00 Flood Risk Reduction Project Phase 2	NA				No impact on water supply	0	0.767		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	None	

	Score 10: Multiple Benefits		Score 11: O&M		Score 11: O&M		Score 12: Admin, Regulatory Obstacles		
Project Name	**Multiple Benefit Ranking**	**Score 10**	**O&M Cost (Annual)**	**Notes 11**	**Operations and Maintenance Ranking**	**Score 11**	**Notes 12**	**Administrative, Regulatory and Other Obstacle Ranking**	**Score 12**
P125-00-00 Flood Risk Reduction Project Bundle, project 1	Project does not deliver any wider benefits	0	$ 2,776,380	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Right-of-way & Permitting. Environmental conflicts, and significant utilit conflicts can all require additional time to be considred in implementation of these projects	Project has a high number of administrative, regulatory and limitations / requirements	2
P126-00-00 Flood Risk Reduction Project, project 3	Project does not deliver any wider benefits	0	$ 4,725,180	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Right-of-way & Permitting. Environmental conflicts, and significant utilit conflicts can all require additional time to be considred in implementation of these projects	Project has a high number of administrative, regulatory and limitations / requirements	2
G103-09-01 Barrett Settlement and St. Charles Place Project S-2	Project does not deliver any wider benefits	0	$ 1,263,360	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Right-of-Way Acquisitions, Permitting Utility Conflicts, Environmental Conflicts	Project has a high number of administrative, regulatory and limitations / requirements	2
E116-00-00 Flood Risk Reduction Project Phase 2	Project does not deliver any wider benefits	0	$ 1,371,120	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Right-of-way aquisitions	Project has a high number of administrative, regulatory and limitations / requirements	2

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	Score 13: Enviromental Benefit			Score 14: Environmental Impact			Score 15: Mobility			
Project Name	**Notes 13**	**Environmental Benefit Ranking**	**Score 13**	**Notes 14**	**Environmental Impact Ranking**	**Score 14**	**Traffic Count for LWC Project**	**Notes 15**	**Mobility Ranking**	**Score 15**
P125-00-00 Flood Risk Reduction Project Bundle, project 1		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
P126-00-00 Flood Risk Reduction Project, project 3		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
G103-09-01 Barrett Settlement and St. Charles Place Project S-2		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
E116-00-00 Flood Risk Reduction Project Phase 2		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4

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	General Project Data							
Project Name	**FMP**	**Project Description:**	**Flood Region**	**Project Type**	**FIUP Project Category**	**Project Watershed**	**Rural Applicant**	**Project Cost**
Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets	063000080	Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets	San Jacinto	Infrastructure	2	North Galveston Bay	No	$ 14,984,000
Saltwater Ditch Subwatershed Flood Risk Reduction Project	063000081	Saltwater Ditch Subwatershed Flood Risk Reduction Project	San Jacinto	Channel	2	Buffalo-San Jacinto	No	$ 101,097,000
Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1	063000082	Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1	San Jacinto	Comprehensive	2	East Fork San Jacinto & North Galveston Bay	No	$ 7,704,000
City of Houston Southland Drainage Improvements	063000083	City of Houston Southland Drainage Improvements	San Jacinto	Comprehensive	2	Buffalo-San Jacinto	No	$ 28,950,000
Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1	063000084	Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1	San Jacinto	Comprehensive	2	Buffalo-San Jacinto & West Galveston Bay	No	$ 27,776,000

		General Project Data					Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)			
Project Name	**Benefit Cost Ratio**	**Cost per Structure Removed**	**Pre-Project Level-of-Service**	**Post-Project Level-of-Service**	**# of Structures in 1% Annual Chance FP (Pre-Project)**	**Project Status**	**Average Flood Depth (100yr)**	**Notes**	**Severity Ranking: Pre-Project Average Depth of Flooding (100-year)**	**Score 1**
Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets	0.14	$ -	Unknown	25-Year	178	Planning	0.78		Baseline average flood depth > 0.5ft	4
Saltwater Ditch Subwatershed Flood Risk Reduction Project	0.55	$ -	<2-year	10-Year (100-year in some areas)	4204	Planning	37.82		Baseline average flood depth > 3.5ft	10
Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1	0.09	$ 7,704,000.00	Unknown	Unknown	121	Planning	1.28		Baseline average flood depth > 1ft	6
City of Houston Southland Drainage Improvements	0.00	$ 615,957.44	Unknown	Unknown	98	Planning	6.25		Baseline average flood depth > 3.5ft	10
Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1	0.09	$ 1,262,545.50	Unknown	Unknown	21895	Planning	1.96		Baseline average flood depth > 1ft	6

	Score 2: Severity - Community Need (% Population)	Score 2: Severity - Community Need (% Population)					Score 3: Flood Risk Reduction			
Project Name	**Communities Served by Project**	**Community Population Served**	**Flood Plain Population**	**Notes 2**	**Severity Ranking: Community Need (% Population)**	**Score 2**	**# of Structures Removed from 1% Annual Chance FP**	**Notes 3**	**Flood Risk Reduction**	**Score 3**
Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets	Harris County;Dayton City	4,316	147	3.41%	<25% of project community affected	1	5	2.81%	Reduced risk to <10% of structures in floodplain	1
Saltwater Ditch Subwatershed Flood Risk Reduction Project	Harris County;Houston City	13,404	13,404	100.00%	>75% of project community affected (by population)	10	0	0.00%	Reduced risk to 0 structures in floodplain	0
Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1	Harris County;	354	158	44.63%	25%-50% of project community affected	4	1	0.83%	Reduced risk to <10% of structures in floodplain	1
City of Houston Southland Drainage Improvements	Harris County;Houston City	5,048	261	5.17%	<25% of project community affected	1	47	47.96%	Reduced risk to <50% of structures in floodplain	4
Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1	Harris County;South Houston City, Houston City, Pasadena City	95,968	91,664	95.52%	>75% of project community affected (by population)	10	22	0.10%	Reduced risk to <10% of structures in floodplain	1

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	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction				Score 6: Life and Safety			
Project Name	**# of Structures with Reduced 1% Annual Chance Flood Risk**	**Pre-Project Damage $**	**Post-Project Damage $**	**Notes 4**	**Flood Damage Reduction**	**Score 4**	**# of Critical Faciliites Removed from 1% Annual Chance FP**	**Notes 5**	**Reduction in Critical Facilities Flood Risk**	**Score 5**	**Adjusted Injury Risk (%)**	**Notes 6**	**Life and Safety Ranking (Injury/Loss of Life)**	**Score 6**
Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets	56	$ 3,430,000	$ 3,348,000	2.39%	Flood damage reduction < 25%	2	0	0.00%	Reduced risk for 0 structures in floodplain	0	8.34		Life/injury risk percentage <20%	2
Saltwater Ditch Subwatershed Flood Risk Reduction Project	15	$ 61,473,000	$ 56,647,000	7.85%	Flood damage reduction < 25%	2	0	0.00%	Reduced risk for 0 structures in floodplain	0	119.46		Life/injury risk percentage >50%	10
Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1	35	$ 4,696,000	$ 4,625,000	1.51%	Flood damage reduction < 25%	2	0	0.00%	Reduced risk for 0 structures in floodplain	0	9.84		Life/injury risk percentage <20%	2
City of Houston Southland Drainage Improvements	17	$ 9,251,396	$ 4,814,502	47.96%	Flood damage reduction > 25%	4	1	33.33%	Reduced risk for >25% of critical facilities in floodplain	4	24.75		Life/injury risk percentage >20%	4
Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1	782	$ 2,487,909,044	$ 2,485,409,204	0.10%	Flood damage reduction < 25%	2	0	0.00%	Reduced risk for 0 structures in floodplain	0	11.88		Life/injury risk percentage <20%	2

	Score 7: Water Supply						Score 8: Social Vulnerability				Score 9: Nature-Based Solution				Score 10: Multiple Benefits	
Project Name	**Water Supply Benefit in Acre-Feet**	**SourceID**	**WMS_ID**	**Notes 7**	**Water Supply Yield Ranking**	**Score 7**	**SVI Score**	**Notes 8**	**Social Vulnerability Ranking**	**Score 8**	**% Nature Based Solution by Cost**	**Notes 9**	**Nature-Based Solutions Ranking**	**Score 9**	**Multiple Benefits Description**	**Notes 10**
Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets	NA				No impact on water supply	0	0.371		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	None	
Saltwater Ditch Subwatershed Flood Risk Reduction Project	NA				No impact on water supply	0	0.762		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	Proposed recreational trail	
Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1	NA				No impact on water supply	0	0.371		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	Room to incorporate trains within maintenance berms	
City of Houston Southland Drainage Improvements	NA				No impact on water supply	0	0.619		SVI between 0.5-0.75 (moderate to high vulnerability)	7	0		<25% of the project cost is nature-based	1	None	
Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1	NA				No impact on water supply	0	0.821		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	None	

	Score 10: Multiple Benefits		Score 11: O&M		Score 11: O&M		Score 12: Admin, Regulatory Obstacles		
Project Name	**Multiple Benefit Ranking**	**Score 10**	**O&M Cost (Annual)**	**Notes 11**	**Operations and Maintenance Ranking**	**Score 11**	**Notes 12**	**Administrative, Regulatory and Other Obstacle Ranking**	**Score 12**
Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets	Project does not deliver any wider benefits	0	$ 899,040	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Land aquisition, utility conflicts	Project has a high number of administrative, regulatory and limitations / requirements	2
Saltwater Ditch Subwatershed Flood Risk Reduction Project	Project delivers benefits in only 1 wider benefit category	1	$ 6,065,820	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	utility conflicts, environmental conflicts	Project has a high number of administrative, regulatory and limitations / requirements	2
Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1	Project delivers benefits in only 1 wider benefit category	1	$ 462,240	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	ROW widening	Project has a typical number of administrative, regulatory and limitations / requirements	6
City of Houston Southland Drainage Improvements	Project does not deliver any wider benefits	0	$ 1,737,000	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	-	Project has few administrative, regulatory and implementation limitations / requirements	10
Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1	Project does not deliver any wider benefits	0	$ 1,666,560	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Land aquisition, utility conflicts, need additional geotechnical analysis, premit from USACE for jurisdictional waterway, wetland areas	Project has a high number of administrative, regulatory and limitations / requirements	2

	Score 13: Enviromental Benefit			Score 14: Environmental Impact			Score 15: Mobility			
Project Name	**Notes 13**	**Environmental Benefit Ranking**	**Score 13**	**Notes 14**	**Environmental Impact Ranking**	**Score 14**	**Traffic Count for LWC Project**	**Notes 15**	**Mobility Ranking**	**Score 15**
Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Saltwater Ditch Subwatershed Flood Risk Reduction Project		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
City of Houston Southland Drainage Improvements		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4

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	General Project Data							
Project Name	**FMP**	**Project Description:**	**Flood Region**	**Project Type**	**FIUP Project Category**	**Project Watershed**	**Rural Applicant**	**Project Cost**
C106 - FMS, FMN, GT Alt 7	063000085	C106 - FMS, FMN, GT Alt 7	San Jacinto	Infrastructure	2	Buffalo-San Jacinto	No	$ 55,175,000
City of Houston Westbury CIP Project	063000086	City of Houston Westbury CIP Project	San Jacinto	Comprehensive	2	Buffalo-San Jacinto	No	$ 125,225,000
City of Houston Kirkwood/Nottingham Drainage Improvements	063000087	City of Houston Kirkwood/Nottingham Drainage Improvements	San Jacinto	Infrastructure	2	Buffalo-San Jacinto	No	$ 40,226,000
City of Houston Spring Shadow South Drainage Improvements	063000088	City of Houston Spring Shadow South Drainage Improvements	San Jacinto	Infrastructure	2	Buffalo-San Jacinto	No	$ 20,676,000
Q128-00-00 Channel Conveyance Improvements	063000089	Q128-00-00 Channel Conveyance Improvements	San Jacinto	Channel	2	Buffalo-San Jacinto & North Galveston Bay	No	$ 21,671,000

		General Project Data					Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)			
Project Name	Benefit Cost Ratio	Cost per Structure Removed	Pre-Project Level-of-Service	Post-Project Level-of-Service	# of Structures in 1% Annual Chance FP (Pre-Project)	Project Status	Average Flood Depth (100yr)	Notes	Severity Ranking: Pre-Project Average Depth of Flooding (100-year)	Score 1
C106 - FMS, FMN, GT Alt 7	0.10	$ 124,548.53	Unknown	Unknown	844	Planning	1.1		Baseline average flood depth > 1ft	6
City of Houston Westbury CIP Project	0.10	$ 564,076.56	Unknown	Unknown	999	Planning	1.64		Baseline average flood depth > 1ft	6
City of Houston Kirkwood/Nottingham Drainage Improvements	0.80	$ 117,619.88	< 10-year	100-year	747	Planning	0.9		Baseline average flood depth > 0.5ft	4
City of Houston Spring Shadow South Drainage Improvements	0.10	$ 492,285.72	<2-Year	2-Year	883	Planning	0.66		Baseline average flood depth > 0.5ft	4
Q128-00-00 Channel Conveyance Improvements	1.02	$ 1,667,000.00	10-year	Unknown	476	Planning	1.08		Baseline average flood depth > 1ft	6

	Score 2: Severity - Community Need (% Population)	Score 2: Severity - Community Need (% Population)					Score 3: Flood Risk Reduction			
Project Name	**Communities Served by Project**	**Community Population Served**	**Flood Plain Population**	**Notes 2**	**Severity Ranking: Community Need (% Population)**	**Score 2**	**# of Structures Removed from 1% Annual Chance FP**	**Notes 3**	**Flood Risk Reduction**	**Score 3**
C106 - FMS, FMN, GT Alt 7	Harris County;Houston City	4,086	2,877	70.41%	50%-75% of project community affected	7	443	52.49%	Reduced risk to <75% of structures in floodplain	7
City of Houston Westbury CIP Project	Harris County;Houston City	5,357	2,685	50.12%	50%-75% of project community affected	7	222	22.22%	Reduced risk to <50% of structures in floodplain	4
City of Houston Kirkwood/Nottingham Drainage Improvements	Harris County;Houston City	2,266	1,838	81.11%	>75% of project community affected (by population)	10	342	45.78%	Reduced risk to <50% of structures in floodplain	4
City of Houston Spring Shadow South Drainage Improvements	Harris County;Houston City	5,048	3,052	60.46%	50%-75% of project community affected	7	42	4.76%	Reduced risk to <10% of structures in floodplain	1
Q128-00-00 Channel Conveyance Improvements	Harris County, Liberty County;	1,685	615	36.50%	25%-50% of project community affected	4	13	2.73%	Reduced risk to <10% of structures in floodplain	1

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	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction				Score 6: Life and Safety			
Project Name	**# of Structures with Reduced 1% Annual Chance Flood Risk**	**Pre-Project Damage $**	**Post-Project Damage $**	**Notes 4**	**Flood Damage Reduction**	**Score 4**	**# of Critical Faciliites Removed from 1% Annual Chance FP**	**Notes 5**	**Reduction in Critical Facilities Flood Risk**	**Score 5**	**Adjusted Injury Risk (%)**	**Notes 6**	**Life and Safety Ranking (Injury/Loss of Life)**	**Score 6**
C106 - FMS, FMN, GT Alt 7	369	$ 10,511,896	$ 4,994,396	52.49%	Flood damage reduction > 50%	6	1	20.00%	Reduced risk for <25% of critical facilities in floodplain	2	9.3		Life/injury risk percentage <20%	2
City of Houston Westbury CIP Project	273	$ 56,351,251	$ 43,828,751	22.22%	Flood damage reduction < 25%	2	5	62.50%	Reduced risk for >50% of critical facilities in floodplain	6	10.92		Life/injury risk percentage <20%	2
City of Houston Kirkwood/Nottingham Drainage Improvements	181	$ 70,289,643	$ 38,108,843	45.78%	Flood damage reduction > 25%	4	0	0.00%	Reduced risk for 0 structures in floodplain	0	8.7		Life/injury risk percentage <20%	2
City of Houston Spring Shadow South Drainage Improvements	170	$ 43,468,829	$ 41,401,229	4.76%	Flood damage reduction < 25%	2	0	0.00%	Reduced risk for 0 structures in floodplain	0	7.98		Life/injury risk percentage <20%	2
Q128-00-00 Channel Conveyance Improvements	158	$ 809,361,825	$ 787,257,405	2.73%	Flood damage reduction < 25%	2	0	0.00%	Reduced risk for 0 structures in floodplain	0	9.24		Life/injury risk percentage <20%	2

	Score 7: Water Supply						Score 8: Social Vulnerability				Score 9: Nature-Based Solution				Score 10: Multiple Benefits	
Project Name	**Water Supply Benefit in Acre-Feet**	**SourceID**	**WMS_ID**	**Notes 7**	**Water Supply Yield Ranking**	**Score 7**	**SVI Score**	**Notes 8**	**Social Vulnerability Ranking**	**Score 8**	**% Nature Based Solution by Cost**	**Notes 9**	**Nature-Based Solutions Ranking**	**Score 9**	**Multiple Benefits Description**	**Notes 10**
C106 - FMS, FMN, GT Alt 7	NA				No impact on water supply	0	0.830		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	None	
City of Houston Westbury CIP Project	NA				No impact on water supply	0	0.434		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	None	
City of Houston Kirkwood/Nottingham Drainage Improvements	NA				No impact on water supply	0	0.289		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	None	
City of Houston Spring Shadow South Drainage Improvements	NA				No impact on water supply	0	0.761		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	Additional sidewalks or trails, potential green infrastructur	
Q128-00-00 Channel Conveyance Improvements	NA				No impact on water supply	0	0.515		SVI between 0.5-0.75 (moderate to high vulnerability)	7	0		<25% of the project cost is nature-based	1	None	

	Score 10: Multiple Benefits		Score 11: O&M		Score 11: O&M		Score 12: Admin, Regulatory Obstacles		
Project Name	**Multiple Benefit Ranking**	**Score 10**	**O&M Cost (Annual)**	**Notes 11**	**Operations and Maintenance Ranking**	**Score 11**	**Notes 12**	**Administrative, Regulatory and Other Obstacle Ranking**	**Score 12**
C106 - FMS, FMN, GT Alt 7	Project does not deliver any wider benefits	0	$ 3,310,500	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Utility Relocation, Right-of-way space	Project has a high number of administrative, regulatory and limitations / requirements	2
City of Houston Westbury CIP Project	Project does not deliver any wider benefits	0	$ 7,513,500	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	utility relocation, transportation conflicts	Project has a high number of administrative, regulatory and limitations / requirements	2
City of Houston Kirkwood/Nottingham Drainage Improvements	Project does not deliver any wider benefits	0	$ 2,413,560	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Space limitations	Project has a typical number of administrative, regulatory and limitations / requirements	6
City of Houston Spring Shadow South Drainage Improvements	Project delivers benefits in 2 wider benefit categories	4	$ 1,240,560	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	ROW aquisition, utility conflict and relocation, coordination with the COH Water and Watsewater Departments	Project has a high number of administrative, regulatory and limitations / requirements	2
Q128-00-00 Channel Conveyance Improvements	Project does not deliver any wider benefits	0	$ 1,300,260	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	ROW aquisition, Utility conflicts, need permit for wetland mitigation and detention basin structures, funding constraints	Project has a high number of administrative, regulatory and limitations / requirements	2

	Score 13: Enviromental Benefit			Score 14: Environmental Impact			Score 15: Mobility			
Project Name	**Notes 13**	**Environmental Benefit Ranking**	**Score 13**	**Notes 14**	**Environmental Impact Ranking**	**Score 14**	**Traffic Count for LWC Project**	**Notes 15**	**Mobility Ranking**	**Score 15**
C106 - FMS, FMN, GT Alt 7		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
City of Houston Westbury CIP Project		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
City of Houston Kirkwood/Nottingham Drainage Improvements		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
City of Houston Spring Shadow South Drainage Improvements		Project will deliver a low level of environmental benefits (1 category)	3		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Q128-00-00 Channel Conveyance Improvements		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4

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	General Project Data							
Project Name	**FMP**	**Project Description:**	**Flood Region**	**Project Type**	**FIUP Project Category**	**Project Watershed**	**Rural Applicant**	**Project Cost**
City of Houston Richmond Plaza Drainage Improvements	063000090	City of Houston Richmond Plaza Drainage Improvements	San Jacinto	Infrastructure	2	Buffalo-San Jacinto	No	$ 58,660,000
City of Houston Huntington Village Drainage Improvements	063000091	City of Houston Huntington Village Drainage Improvements	San Jacinto	Infrastructure	2	Buffalo-San Jacinto	No	$ 30,247,000
Scott Street - OST to Brays Projects 1,2,and 3	063000092	Scott Street - OST to Brays Projects 1,2,and 3	San Jacinto	Infrastructure	2	Buffalo-San Jacinto	No	$ 128,714,000
Lake Creek - Garrett's Creek Detention	063000093	Lake Creek - Garrett's Creek Detention	San Jacinto	Detention Pond	2	West Fork San Jacinto	No	$ 129,569,000
Lake Creek - Little Caney Creek Detention	063000094	Lake Creek - Little Caney Creek Detention	San Jacinto	Detention Pond	2	West Fork San Jacinto	No	$ 126,602,000

		General Project Data					Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)			
Project Name	Benefit Cost Ratio	Cost per Structure Removed	Pre-Project Level-of-Service	Post-Project Level-of-Service	# of Structures in 1% Annual Chance FP (Pre-Project)	Project Status	Average Flood Depth (100yr)	Notes	Severity Ranking: Pre-Project Average Depth of Flooding (100-year)	Score 1
City of Houston Richmond Plaza Drainage Improvements	0.50	$ 5,866,000.00	Unknown	Unknown	273	Planning	0.8		Baseline average flood depth > 0.5ft	4
City of Houston Huntington Village Drainage Improvements	0.00	$ 756,175.00	<2-year	2 & 100-year	256	Planning	0.84		Baseline average flood depth > 0.5ft	4
Scott Street - OST to Brays Projects 1,2,and 3	1.50	$ 1,340,770.88	Unknown	10-year	1569	Planning	1.11		Baseline average flood depth > 1ft	6
Lake Creek - Garrett's Creek Detention	0.31	$ 439,216.94	Varies by Roadways	Varies by Roadways	4257	Planning	2.6		Baseline average flood depth > 2ft	8
Lake Creek - Little Caney Creek Detention	0.27	$ 510,491.94	Varies by Roadways	Varies by Roadways	4257	Planning	2.6		Baseline average flood depth > 2ft	8

	Score 2: Severity - Community Need (% Population)	Score 2: Severity - Community Need (% Population)					Score 3: Flood Risk Reduction			
Project Name	**Communities Served by Project**	**Community Population Served**	**Flood Plain Population**	**Notes 2**	**Severity Ranking: Community Need (% Population)**	**Score 2**	**# of Structures Removed from 1% Annual Chance FP**	**Notes 3**	**Flood Risk Reduction**	**Score 3**
City of Houston Richmond Plaza Drainage Improvements	Harris County;Houston City, Bellaire City	1,933	1,847	95.55%	>75% of project community affected (by population)	10	10	3.66%	Reduced risk to <10% of structures in floodplain	1
City of Houston Huntington Village Drainage Improvements	Fort Bend County, Harris County;Houston City	5,168	876	16.95%	<25% of project community affected	1	40	15.63%	Reduced risk to <50% of structures in floodplain	4
Scott Street - OST to Brays Projects 1,2,and 3	Harris County;Houston City	5,616	4,429	78.86%	>75% of project community affected (by population)	10	96	6.12%	Reduced risk to <10% of structures in floodplain	1
Lake Creek - Garrett's Creek Detention	Montgomery County, Grimes County;Plantersville City, Conroe City, Montgomery City, Shenandoah City, Oak Ridge North City, Houston City, Woodloch City, Humble City	174,844	12,671	7.25%	<25% of project community affected	1	2237	52.55%	Reduced risk to <75% of structures in floodplain	7
Lake Creek - Little Caney Creek Detention	Montgomery County, Grimes County;Plantersville City, Conroe City, Montgomery City, Shenandoah City, Oak Ridge North City, Houston City, Woodloch City, Humble City	174,844	12,671	7.25%	<25% of project community affected	1	2237	52.55%	Reduced risk to <75% of structures in floodplain	7

	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction				Score 6: Life and Safety			
Project Name	**# of Structures with Reduced 1% Annual Chance Flood Risk**	**Pre-Project Damage $**	**Post-Project Damage $**	**Notes 4**	**Flood Damage Reduction**	**Score 4**	**# of Critical Faciliites Removed from 1% Annual Chance FP**	**Notes 5**	**Reduction in Critical Facilities Flood Risk**	**Score 5**	**Adjusted Injury Risk (%)**	**Notes 6**	**Life and Safety Ranking (Injury/Loss of Life)**	**Score 6**
City of Houston Richmond Plaza Drainage Improvements	53	$ 800,709,000	$ 771,379,000	3.66%	Flood damage reduction < 25%	2	0	0.00%	Reduced risk for 0 structures in floodplain	0	8.4		Life/injury risk percentage <20%	2
City of Houston Huntington Village Drainage Improvements	111	$ 24,166,912	$ 20,390,832	15.63%	Flood damage reduction < 25%	2	0	0.00%	Reduced risk for 0 structures in floodplain	0	8.52		Life/injury risk percentage <20%	2
Scott Street - OST to Brays Projects 1,2,and 3	408	$ 3,155,504,156	$ 2,962,433,156	6.12%	Flood damage reduction < 25%	2	2	7.41%	Reduced risk for <25% of critical facilities in floodplain	2	9.33		Life/injury risk percentage <20%	2
Lake Creek - Garrett's Creek Detention	658	$ 76,436,443	$ 36,270,053	52.55%	Flood damage reduction > 50%	6	15	0.00%	Reduced risk for 0 structures in floodplain	0	13.8		Life/injury risk percentage <20%	2
Lake Creek - Little Caney Creek Detention	0	$ 65,049,208	$ 30,866,667	52.55%	Flood damage reduction > 50%	6	15	0.00%	Reduced risk for 0 structures in floodplain	0	13.8		Life/injury risk percentage <20%	2

	Score 7: Water Supply						Score 8: Social Vulnerability				Score 9: Nature-Based Solution				Score 10: Multiple Benefits	
Project Name	**Water Supply Benefit in Acre-Feet**	**SourceID**	**WMS_ID**	**Notes 7**	**Water Supply Yield Ranking**	**Score 7**	**SVI Score**	**Notes 8**	**Social Vulnerability Ranking**	**Score 8**	**% Nature Based Solution by Cost**	**Notes 9**	**Nature-Based Solutions Ranking**	**Score 9**	**Multiple Benefits Description**	**Notes 10**
City of Houston Richmond Plaza Drainage Improvements	NA				No impact on water supply	0	0.908		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	None	
City of Houston Huntington Village Drainage Improvements	NA				No impact on water supply	0	0.675		SVI between 0.5-0.75 (moderate to high vulnerability)	7	0		<25% of the project cost is nature-based	1	Bike Route	
Scott Street - OST to Brays Projects 1,2,and 3	NA				No impact on water supply	0	0.847		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	None	
Lake Creek - Garrett's Creek Detention	NA				No impact on water supply	0	0.252		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	None	
Lake Creek - Little Caney Creek Detention	NA				No impact on water supply	0	0.252		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	None	

	Score 10: Multiple Benefits		Score 11: O&M		Score 11: O&M		Score 12: Admin, Regulatory Obstacles		
Project Name	**Multiple Benefit Ranking**	**Score 10**	**O&M Cost (Annual)**	**Notes 11**	**Operations and Maintenance Ranking**	**Score 11**	**Notes 12**	**Administrative, Regulatory and Other Obstacle Ranking**	**Score 12**
City of Houston Richmond Plaza Drainage Improvements	Project does not deliver any wider benefits	0	$ 3,519,600	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Land aquistion, utility conflicts, removal or conversion for a portion of existing park fields	Project has a high number of administrative, regulatory and limitations / requirements	2
City of Houston Huntington Village Drainage Improvements	Project delivers benefits in only 1 wider benefit category	1	$ 1,814,820	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Utility Conflicts	Project has a typical number of administrative, regulatory and limitations / requirements	6
Scott Street - OST to Brays Projects 1,2,and 3	Project does not deliver any wider benefits	0	$ 7,722,840	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Utility conflicts, lack of right-of-way, transportation conflicts	Project has a high number of administrative, regulatory and limitations / requirements	2
Lake Creek - Garrett's Creek Detention	Project does not deliver any wider benefits	0	$ 7,774,140	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Right-of-Way, Permitting, Acquisitions, Relocations, Utility Conflicts	Project has a high number of administrative, regulatory and limitations / requirements	2
Lake Creek - Little Caney Creek Detention	Project does not deliver any wider benefits	0	$ 7,596,120	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Right-of-Way, Permitting, Acquisitions, Relocations, Utility Conflicts	Project has a high number of administrative, regulatory and limitations / requirements	2

	Score 13: Enviromental Benefit			Score 14: Environmental Impact			Score 15: Mobility			
Project Name	**Notes 13**	**Environmental Benefit Ranking**	**Score 13**	**Notes 14**	**Environmental Impact Ranking**	**Score 14**	**Traffic Count for LWC Project**	**Notes 15**	**Mobility Ranking**	**Score 15**
City of Houston Richmond Plaza Drainage Improvements		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
City of Houston Huntington Village Drainage Improvements		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Scott Street - OST to Brays Projects 1,2,and 3		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Lake Creek - Garrett's Creek Detention		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Lake Creek - Little Caney Creek Detention		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4

	General Project Data							
Project Name	**FMP**	**Project Description:**	**Flood Region**	**Project Type**	**FIUP Project Category**	**Project Watershed**	**Rural Applicant**	**Project Cost**
Spring Creek I-45 Channelization	063000095	Spring Creek I-45 Channelization	San Jacinto	Channel	2	West Fork San Jacinto, Spring, & Buffalo-San Jacinto	No	$ 84,071,000
Spring Creek Walnut Creek Detention	063000096	Spring Creek Walnut Creek Detention	San Jacinto	Detention Pond	2	West Fork San Jacinto, Spring, & Buffalo-San Jacinto	No	$ 141,438,000
Spring Creek Woodlands Channelization (200-ft)	063000097	Spring Creek Woodlands Channelization (200-ft)	San Jacinto	Channel	2	West Fork San Jacinto, Spring, & Buffalo-San Jacinto	No	$ 55,388,000
Lake Creek - Caney Creek Detention	063000098	Lake Creek - Caney Creek Detention	San Jacinto	Detention Pond	2	West Fork San Jacinto	No	$ 161,219,008
Spring Creek Birch Creek Detention	063000099	Spring Creek Birch Creek Detention	San Jacinto	Detention Pond	2	West Fork San Jacinto, Spring, & Buffalo-San Jacinto	No	$ 85,061,000

		General Project Data					Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)			
Project Name	Benefit Cost Ratio	Cost per Structure Removed	Pre-Project Level-of-Service	Post-Project Level-of-Service	# of Structures in 1% Annual Chance FP (Pre-Project)	Project Status	Average Flood Depth (100yr)	Notes	Severity Ranking: Pre-Project Average Depth of Flooding (100-year)	Score 1
Spring Creek I-45 Channelization	1.17	$ 22,347.42	Varies by Roadways	Varies by Roadways	7845	Planning	7.56		Baseline average flood depth > 3.5ft	10
Spring Creek Walnut Creek Detention	1.21	$ 350,094.06	Varies by Roadways	Varies by Roadways	9964	Planning	7.56		Baseline average flood depth > 3.5ft	10
Spring Creek Woodlands Channelization (200-ft)	0.62	$ 56,518.37	Varies by Roadways	Varies by Roadways	7845	Planning	7.56		Baseline average flood depth > 3.5ft	10
Lake Creek - Caney Creek Detention	0.26	$ 499,130.06	Varies by Roadways	Varies by Roadways	4257	Planning	2.6		Baseline average flood depth > 2ft	8
Spring Creek Birch Creek Detention	2.03	$ 256,981.88	Varies by Roadways	Varies by Roadways	9964	Planning	7.56		Baseline average flood depth > 2ft	8

	Score 2: Severity - Community Need (% Population)	Score 2: Severity - Community Need (% Population)					Score 3: Flood Risk Reduction			
Project Name	**Communities Served by Project**	**Community Population Served**	**Flood Plain Population**	**Notes 2**	**Severity Ranking: Community Need (% Population)**	**Score 2**	**# of Structures Removed from 1% Annual Chance FP**	**Notes 3**	**Flood Risk Reduction**	**Score 3**
Spring Creek I-45 Channelization	Harris County, Waller County, Montgomery County, Grimes County;Plantersville City, Conroe City, Shenandoah City, Oak Ridge North City, Houston City, Humble City, Magnolia City, Stagecoach City, Waller City, Tomball City, Todd Mission City, Spring City, The Woodlands City	309,343	18,975	6.13%	<25% of project community affected	1	3762	47.95%	Reduced risk to <50% of structures in floodplain	4
Spring Creek Walnut Creek Detention	Harris County, Waller County, Montgomery County, Grimes County;Shenandoah City, Magnolia City, Oak Ridge North City, Stagecoach City, Waller City, Houston City, Plantersville City, Conroe City, Tomball City, Humble City, Todd Mission City, Spring City, The Woodlands City	335,110	24,176	7.21%	<25% of project community affected	1	404	4.05%	Reduced risk to <10% of structures in floodplain	1
Spring Creek Woodlands Channelization (200-ft)	Harris County, Waller County, Montgomery County, Grimes County;Plantersville City, Conroe City, Shenandoah City, Oak Ridge North City, Houston City, Humble City, Magnolia City, Stagecoach City, Waller City, Tomball City, Todd Mission City, Spring City, The Woodlands City	309,343	18,975	6.13%	<25% of project community affected	1	980	12.49%	Reduced risk to <10% of structures in floodplain	1
Lake Creek - Caney Creek Detention	Montgomery County, Grimes County;Plantersville City, Conroe City, Montgomery City, Shenandoah City, Oak Ridge North City, Houston City, Woodloch City, Humble City	174,844	12,671	7.25%	<25% of project community affected	1	2237	52.55%	Reduced risk to <75% of structures in floodplain	7
Spring Creek Birch Creek Detention	Harris County, Waller County, Montgomery County, Grimes County;Shenandoah City, Magnolia City, Oak Ridge North City, Stagecoach City, Waller City, Houston City, Plantersville City, Conroe City, Tomball City, Humble City, Todd Mission City, Spring City, The Woodlands City	335,110	24,176	7.21%	<25% of project community affected	1	331	3.32%	Reduced risk to <10% of structures in floodplain	1

	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction				Score 6: Life and Safety			
Project Name	**# of Structures with Reduced 1% Annual Chance Flood Risk**	**Pre-Project Damage $**	**Post-Project Damage $**	**Notes 4**	**Flood Damage Reduction**	**Score 4**	**# of Critical Faciliites Removed from 1% Annual Chance FP**	**Notes 5**	**Reduction in Critical Facilities Flood Risk**	**Score 5**	**Adjusted Injury Risk (%)**	**Notes 6**	**Life and Safety Ranking (Injury/Loss of Life)**	**Score 6**
Spring Creek I-45 Channelization	586	$ 205,119,154	$ 106,756,087	47.95%	Flood damage reduction > 25%	4	3	13.04%	Reduced risk for <25% of critical facilities in floodplain	2	28.68		Life/injury risk percentage >20%	4
Spring Creek Walnut Creek Detention	752	$ 4,220,888,155	$ 4,049,748,169	4.05%	Flood damage reduction < 25%	2	1	1.56%	Reduced risk for <25% of critical facilities in floodplain	2	28.68		Life/injury risk percentage >20%	4
Spring Creek Woodlands Channelization (200-ft)	279	$ 274,899,689	$ 240,559,129	12.49%	Flood damage reduction < 25%	2	2	8.70%	Reduced risk for <25% of critical facilities in floodplain	2	28.68		Life/injury risk percentage >20%	4
Lake Creek - Caney Creek Detention	0	$ 79,767,732	$ 37,850,791	52.55%	Flood damage reduction > 50%	6	15	0.00%	Reduced risk for 0 structures in floodplain	0	13.8		Life/injury risk percentage <20%	2
Spring Creek Birch Creek Detention	776	$ 5,197,951,716	$ 5,025,277,888	3.32%	Flood damage reduction < 25%	2	1	1.56%	Reduced risk for <25% of critical facilities in floodplain	2	28.68		Life/injury risk percentage >20%	4

	Score 7: Water Supply						Score 8: Social Vulnerability				Score 9: Nature-Based Solution				Score 10: Multiple Benefits	
Project Name	**Water Supply Benefit in Acre-Feet**	**SourceID**	**WMS_ID**	**Notes 7**	**Water Supply Yield Ranking**	**Score 7**	**SVI Score**	**Notes 8**	**Social Vulnerability Ranking**	**Score 8**	**% Nature Based Solution by Cost**	**Notes 9**	**Nature-Based Solutions Ranking**	**Score 9**	**Multiple Benefits Description**	**Notes 10**
Spring Creek I-45 Channelization	NA				No impact on water supply	0	0.174		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	None	
Spring Creek Walnut Creek Detention	NA				No impact on water supply	0	0.188		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	None	
Spring Creek Woodlands Channelization (200-ft)	NA				No impact on water supply	0	0.174		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	None	
Lake Creek - Caney Creek Detention	NA				No impact on water supply	0	0.252		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	None	
Spring Creek Birch Creek Detention	NA				No impact on water supply	0	0.188		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	None	

	Score 10: Multiple Benefits		Score 11: O&M		Score 11: O&M		Score 12: Admin, Regulatory Obstacles		
Project Name	**Multiple Benefit Ranking**	**Score 10**	**O&M Cost (Annual)**	**Notes 11**	**Operations and Maintenance Ranking**	**Score 11**	**Notes 12**	**Administrative, Regulatory and Other Obstacle Ranking**	**Score 12**
Spring Creek I-45 Channelization	Project does not deliver any wider benefits	0	$ 5,044,260	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Right-of-Way, Permitting, Acquisitions, Utility Conflics, Transportation Conflicts	Project has a high number of administrative, regulatory and limitations / requirements	2
Spring Creek Walnut Creek Detention	Project does not deliver any wider benefits	0	$ 8,486,280	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Right-of-Way, Permitting, Acquisitions, Utility Conflics, Transportation Conflicts	Project has a high number of administrative, regulatory and limitations / requirements	2
Spring Creek Woodlands Channelization (200-ft)	Project does not deliver any wider benefits	0	$ 3,323,280	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Right-of-Way, Permitting, Acquisitions, Utility Conflics, Transportation Conflicts	Project has a high number of administrative, regulatory and limitations / requirements	2
Lake Creek - Caney Creek Detention	Project does not deliver any wider benefits	0	$ 9,673,140	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Right-of-Way, Permitting, Acquisitions, Relocations, Utility Conflicts	Project has a high number of administrative, regulatory and limitations / requirements	2
Spring Creek Birch Creek Detention	Project does not deliver any wider benefits	0	$ 5,103,660	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Right-of-Way, Permitting, Acquisitions, Utility Conflics, Transportation Conflicts	Project has a high number of administrative, regulatory and limitations / requirements	2

	Score 13: Enviromental Benefit			Score 14: Environmental Impact			Score 15: Mobility			
Project Name	**Notes 13**	**Environmental Benefit Ranking**	**Score 13**	**Notes 14**	**Environmental Impact Ranking**	**Score 14**	**Traffic Count for LWC Project**	**Notes 15**	**Mobility Ranking**	**Score 15**
Spring Creek I-45 Channelization		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Spring Creek Walnut Creek Detention		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Spring Creek Woodlands Channelization (200-ft)		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Lake Creek - Caney Creek Detention		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Spring Creek Birch Creek Detention		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4

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	General Project Data							
Project Name	**FMP**	**Project Description:**	**Flood Region**	**Project Type**	**FIUP Project Category**	**Project Watershed**	**Rural Applicant**	**Project Cost**
City of Bayou Vista Regulations and Permit Requirements Update	063000114	City of Bayou Vista Regulations and Permit Requirements Update	San Jacinto	Preparedness	1		No	$ 109,000
City of League City Freeboard Ordinance	063000115	City of League City Freeboard Ordinance	San Jacinto	Preparedness	1		Yes	$ 109,000
City of Cleveland Floodplain Land-Use Ordinance	063000123	City of Cleveland Floodplain Land-Use Ordinance	San Jacinto	Preparedness	1		Yes	$ 109,000
City of Cleveland Flooplain Ordinance Update	063000124	City of Cleveland Flooplain Ordinance Update	San Jacinto	Preparedness	1		Yes	$ 109,000
Galveston Bay Surge Protection Coastal Storm Risk Management	063000127	Galveston Bay Surge Protection Coastal Storm Risk Management	San Jacinto	Coastal	2	Galveston Bay	No	$ 24,107,063,296

		General Project Data					Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)			
Project Name	Benefit Cost Ratio	Cost per Structure Removed	Pre-Project Level-of-Service	Post-Project Level-of-Service	# of Structures in 1% Annual Chance FP (Pre-Project)	Project Status	Average Flood Depth (100yr)	Notes	Severity Ranking: Pre-Project Average Depth of Flooding (100-year)	Score 1
City of Bayou Vista Regulations and Permit Requirements Update	5.00	$ -	Unknown	0.01	1122	Planning	-			
City of League City Freeboard Ordinance	5.00	$ -	Unknown	Unknown	5251	Planning	-			
City of Cleveland Floodplain Land-Use Ordinance	5.00	$ -	Unknown	Unknown	261	Planning	-			
City of Cleveland Flooplain Ordinance Update	0.00	$ -	Unknown	Unknown	261	Planning	-			
Galveston Bay Surge Protection Coastal Storm Risk Management	1.91	$ 318,270.28	Unknown	0.01	103716	Planning	-			

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	Score 2: Severity - Community Need (% Population)	Score 2: Severity - Community Need (% Population)					Score 3: Flood Risk Reduction			
Project Name	**Communities Served by Project**	**Community Population Served**	**Flood Plain Population**	**Notes 2**	**Severity Ranking: Community Need (% Population)**	**Score 2**	**# of Structures Removed from 1% Annual Chance FP**	**Notes 3**	**Flood Risk Reduction**	**Score 3**
City of Bayou Vista Regulations and Permit Requirements Update	Galveston County; Hitchcock city, Bayou Vista city	350,682	1,476	0.42%	<25% of project community affected	1	0	0.00%	Reduced risk to 0 structures in floodplain	0
City of League City Freeboard Ordinance	Galveston County, Harris County; Clear Lake Shores city, Webster city, Bacliff CDP, Friendswood city, Kemah city, Nassau Bay city, Texas City city, Dickinson city, League City city, Seabrook city	5,081,827	13,675	0.27%	<25% of project community affected	1	0	0.00%	Reduced risk to 0 structures in floodplain	0
City of Cleveland Floodplain Land-Use Ordinance	San Jacinto County, Montgomery County, Liberty County; Cleveland city, North Cleveland city	739,473	1,037	0.14%	<25% of project community affected	1	0	0.00%	Reduced risk to 0 structures in floodplain	0
City of Cleveland Flooplain Ordinance Update	Harris County;	739,473	1,037	0.14%	<25% of project community affected	1	0	0.00%	Reduced risk to 0 structures in floodplain	0
Galveston Bay Surge Protection Coastal Storm Risk Management	Brazoria County, Galveston County, Fort Bend County, Harris County;	6,414,836	266,742	4.16%	<25% of project community affected	1	75744	73.03%	Reduced risk to <75% of structures in floodplain	7

	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction				Score 6: Life and Safety			
Project Name	# of Structures with Reduced 1% Annual Chance Flood Risk	Pre-Project Damage $	Post-Project Damage $	Notes 4	Flood Damage Reduction	Score 4	# of Critical Faciliites Removed from 1% Annual Chance FP	Notes 5	Reduction in Critical Facilities Flood Risk	Score 5	Adjusted Injury Risk (%)	Notes 6	Life and Safety Ranking (Injury/Loss of Life)	Score 6
City of Bayou Vista Regulations and Permit Requirements Update	0						0	0.00%	Reduced risk for 0 structures in floodplain	0	-			
City of League City Freeboard Ordinance	0						0	0.00%	Reduced risk for 0 structures in floodplain	0	-			
City of Cleveland Floodplain Land-Use Ordinance	0						0	0.00%	Reduced risk for 0 structures in floodplain	0	-			
City of Cleveland Flooplain Ordinance Update	0						0	0.00%	Reduced risk for 0 structures in floodplain	0			Life/injury risk percentage <20%	
Galveston Bay Surge Protection Coastal Storm Risk Management	4094						2086	66.05%	Reduced risk for >50% of critical facilities in floodplain	6			Life/injury risk percentage <20%	

	Score 7: Water Supply						Score 8: Social Vulnerability				Score 9: Nature-Based Solution				Score 10: Multiple Benefits	
Project Name	**Water Supply Benefit in Acre-Feet**	**SourceID**	**WMS_ID**	**Notes 7**	**Water Supply Yield Ranking**	**Score 7**	**SVI Score**	**Notes 8**	**Social Vulnerability Ranking**	**Score 8**	**% Nature Based Solution by Cost**	**Notes 9**	**Nature-Based Solutions Ranking**	**Score 9**	**Multiple Benefits Description**	**Notes 10**
City of Bayou Vista Regulations and Permit Requirements Update	NA				No impact on water supply	0	0.142		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	0	
City of League City Freeboard Ordinance	NA				No impact on water supply	0	0.187		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	0	
City of Cleveland Floodplain Land-Use Ordinance	NA				No impact on water supply	0	0.748		SVI between 0.5-0.75 (moderate to high vulnerability)	7	0		<25% of the project cost is nature-based	1	0	
City of Cleveland Flooplain Ordinance Update	NA				No impact on water supply	0	0.748		SVI between 0.5-0.75 (moderate to high vulnerability)	7	0		<25% of the project cost is nature-based	1	None	
Galveston Bay Surge Protection Coastal Storm Risk Management	NA				No impact on water supply	0	0.470		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	Environmental, Public Uplift, Low Impact Development Features	

	Score 10: Multiple Benefits		Score 11: O&M		Score 11: O&M		Score 12: Admin, Regulatory Obstacles		
Project Name	**Multiple Benefit Ranking**	**Score 10**	**O&M Cost (Annual)**	**Notes 11**	**Operations and Maintenance Ranking**	**Score 11**	**Notes 12**	**Administrative, Regulatory and Other Obstacle Ranking**	**Score 12**
City of Bayou Vista Regulations and Permit Requirements Update	Project does not deliver any wider benefits	0	$ 6,000	5.50%	Project will not require any ongoing operation and maintenance (low);	10		Project has a high number of administrative, regulatory and limitations / requirements	2
City of League City Freeboard Ordinance	Project does not deliver any wider benefits	0	$ 6,000	5.50%	Project will not require any ongoing operation and maintenance (low);	10		Project has a high number of administrative, regulatory and limitations / requirements	2
City of Cleveland Floodplain Land-Use Ordinance	Project does not deliver any wider benefits	0	$ 6,000	5.50%	Project will not require any ongoing operation and maintenance (low);	10		Project has a high number of administrative, regulatory and limitations / requirements	2
City of Cleveland Flooplain Ordinance Update	Project does not deliver any wider benefits	0	$ 6,000	5.50%	Project will not require any ongoing operation and maintenance (low);	10		Project has a high number of administrative, regulatory and limitations / requirements	2
Galveston Bay Surge Protection Coastal Storm Risk Management	Project delivers benefits in 3 wider benefit categories	7	$ 1,399,698,944	5.81%	Project will require ongoing operation and maintenance outside of the owner's regular maintenance practices; long-term O&M requirements are undefined; and/or high annual O&M cost > 1% of project (high);	4		Project has a high number of administrative, regulatory and limitations / requirements	2

	Score 13: Enviromental Benefit			Score 14: Environmental Impact			Score 15: Mobility			
Project Name	**Notes 13**	**Environmental Benefit Ranking**	**Score 13**	**Notes 14**	**Environmental Impact Ranking**	**Score 14**	**Traffic Count for LWC Project**	**Notes 15**	**Mobility Ranking**	**Score 15**
City of Bayou Vista Regulations and Permit Requirements Update		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
City of League City Freeboard Ordinance		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
City of Cleveland Floodplain Land-Use Ordinance		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
City of Cleveland Flooplain Ordinance Update		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Galveston Bay Surge Protection Coastal Storm Risk Management		Project will deliver a low level of environmental benefits (1 category)	3		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4

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	General Project Data							
Project Name	**FMP**	**Project Description:**	**Flood Region**	**Project Type**	**FIUP Project Category**	**Project Watershed**	**Rural Applicant**	**Project Cost**
City of Manvel City Ordinance	063000129	City of Manvel City Ordinance	San Jacinto	Preparedness	1		Yes	$ 103,000
City of Manvel Land-Use Ordinance Adoption	063000130	City of Manvel Land-Use Ordinance Adoption	San Jacinto	Preparedness	1		Yes	$ 103,000
City of Manvel GIS Database Improvements	063000132	City of Manvel GIS Database Improvements	San Jacinto	Preparedness	1		No	$ 21,000
Brazoria County NFIP Technical Material	063000136	Brazoria County NFIP Technical Material	San Jacinto	Other	1		Yes	$ 21,000
City of Clear Lake Shores - Implement Stormwater Management Practices	063000139	City of Clear Lake Shores - Implement Stormwater Management Practices	San Jacinto	Preparedness	1		Yes	$ 109,000

		General Project Data					Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)			
Project Name	Benefit Cost Ratio	Cost per Structure Removed	Pre-Project Level-of-Service	Post-Project Level-of-Service	# of Structures in 1% Annual Chance FP (Pre-Project)	Project Status	Average Flood Depth (100yr)	Notes	Severity Ranking: Pre-Project Average Depth of Flooding (100-year)	Score 1
City of Manvel City Ordinance	5.00	$ -	Unknown	Unknown	1250	Planning	-			
City of Manvel Land-Use Ordinance Adoption	5.00	$ -	Unknown	0.01	1250	Planning	-			
City of Manvel GIS Database Improvements	0.00	$ -	Unknown	Unknown	1250	Planning	-			
Brazoria County NFIP Technical Material	0.00	$ -	Unknown	Unknown	18848	Planning	-			
City of Clear Lake Shores - Implement Stormwater Management Practices	0.00	$ -	Unknown	0.01	633	Planning	-			

	Score 2: Severity - Community Need (% Population)	Score 2: Severity - Community Need (% Population)					Score 3: Flood Risk Reduction			
Project Name	**Communities Served by Project**	**Community Population Served**	**Flood Plain Population**	**Notes 2**	**Severity Ranking: Community Need (% Population)**	**Score 2**	**# of Structures Removed from 1% Annual Chance FP**	**Notes 3**	**Flood Risk Reduction**	**Score 3**
City of Manvel City Ordinance	Brazoria County; Alvin city, Manvel city, Iowa Colony village, Pearland city	372,031	6,741	1.81%	<25% of project community affected	1	0	0.00%	Reduced risk to 0 structures in floodplain	0
City of Manvel Land-Use Ordinance Adoption	Brazoria County; Alvin city, Manvel city, Iowa Colony village, Pearland city	372,031	6,741	1.81%	<25% of project community affected	1	0	0.00%	Reduced risk to 0 structures in floodplain	0
City of Manvel GIS Database Improvements	Brazoria County; Alvin city, Manvel city, Iowa Colony village, Pearland city	372,031	6,741	1.81%	<25% of project community affected	1	0	0.00%	Reduced risk to 0 structures in floodplain	0
Brazoria County NFIP Technical Material	Wharton County, Brazoria County, Galveston County, Harris County, Fort Bend County, Matagorda County; Pasadena city, Missouri City city, Stafford city, South Houston city, Houston city, Pearland city	6,354,462	38,626	0.61%	<25% of project community affected	1	0	0.00%	Reduced risk to 0 structures in floodplain	0
City of Clear Lake Shores - Implement Stormwater Management Practices	Galveston County, Harris County; Clear Lake Shores city, Kemah city, League City city, Seabrook city	5,081,827	2,597	0.05%	<25% of project community affected	1	0	0.00%	Reduced risk to 0 structures in floodplain	0

	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction				Score 6: Life and Safety			
Project Name	**# of Structures with Reduced 1% Annual Chance Flood Risk**	**Pre-Project Damage $**	**Post-Project Damage $**	**Notes 4**	**Flood Damage Reduction**	**Score 4**	**# of Critical Faciliites Removed from 1% Annual Chance FP**	**Notes 5**	**Reduction in Critical Facilities Flood Risk**	**Score 5**	**Adjusted Injury Risk (%)**	**Notes 6**	**Life and Safety Ranking (Injury/Loss of Life)**	**Score 6**
City of Manvel City Ordinance	0						0	0.00%	Reduced risk for 0 structures in floodplain	0	-			
City of Manvel Land-Use Ordinance Adoption	0						0	0.00%	Reduced risk for 0 structures in floodplain	0	-			
City of Manvel GIS Database Improvements	0						0	0.00%	Reduced risk for 0 structures in floodplain	0	-			
Brazoria County NFIP Technical Material	0						0	0.00%	Reduced risk for 0 structures in floodplain	0	-			
City of Clear Lake Shores - Implement Stormwater Management Practices	0						0	0.00%	Reduced risk for 0 structures in floodplain	0	-			

	Score 7: Water Supply						Score 8: Social Vulnerability				Score 9: Nature-Based Solution				Score 10: Multiple Benefits	
Project Name	**Water Supply Benefit in Acre-Feet**	**SourceID**	**WMS_ID**	**Notes 7**	**Water Supply Yield Ranking**	**Score 7**	**SVI Score**	**Notes 8**	**Social Vulnerability Ranking**	**Score 8**	**% Nature Based Solution by Cost**	**Notes 9**	**Nature-Based Solutions Ranking**	**Score 9**	**Multiple Benefits Description**	**Notes 10**
City of Manvel City Ordinance	NA				No impact on water supply	0	0.424		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	0	
City of Manvel Land-Use Ordinance Adoption	NA				No impact on water supply	0	0.424		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	0	
City of Manvel GIS Database Improvements	NA				No impact on water supply	0	0.424		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	0	
Brazoria County NFIP Technical Material	NA				No impact on water supply	0	0.358		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	Public Education	
City of Clear Lake Shores - Implement Stormwater Management Practices	NA				No impact on water supply	0	0.203		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	Environmental	

	Score 10: Multiple Benefits		Score 11: O&M		Score 11: O&M		Score 12: Admin, Regulatory Obstacles		
Project Name	**Multiple Benefit Ranking**	**Score 10**	**O&M Cost (Annual)**	**Notes 11**	**Operations and Maintenance Ranking**	**Score 11**	**Notes 12**	**Administrative, Regulatory and Other Obstacle Ranking**	**Score 12**
City of Manvel City Ordinance	Project does not deliver any wider benefits	0	$ 6,000	5.83%	Project will not require any ongoing operation and maintenance (low);	10		Project has a high number of administrative, regulatory and limitations / requirements	2
City of Manvel Land-Use Ordinance Adoption	Project does not deliver any wider benefits	0	$ 6,000	5.83%	Project will not require any ongoing operation and maintenance (low);	10		Project has a high number of administrative, regulatory and limitations / requirements	2
City of Manvel GIS Database Improvements	Project does not deliver any wider benefits	0	$ 2,000	9.52%	Project will not require any ongoing operation and maintenance (low);	10		Project has a high number of administrative, regulatory and limitations / requirements	2
Brazoria County NFIP Technical Material	Project does not deliver any wider benefits	0	$ 2,000	9.52%	Project will not require any ongoing operation and maintenance (low);	10		Project has a high number of administrative, regulatory and limitations / requirements	2
City of Clear Lake Shores - Implement Stormwater Management Practices	Project does not deliver any wider benefits	0	$ 6,000	5.50%	Project will not require any ongoing operation and maintenance (low);	10		Project has a high number of administrative, regulatory and limitations / requirements	2

	Score 13: Enviromental Benefit			Score 14: Environmental Impact			Score 15: Mobility			
Project Name	**Notes 13**	**Environmental Benefit Ranking**	**Score 13**	**Notes 14**	**Environmental Impact Ranking**	**Score 14**	**Traffic Count for LWC Project**	**Notes 15**	**Mobility Ranking**	**Score 15**
City of Manvel City Ordinance		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
City of Manvel Land-Use Ordinance Adoption		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
City of Manvel GIS Database Improvements		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Brazoria County NFIP Technical Material		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
City of Clear Lake Shores - Implement Stormwater Management Practices		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4

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	General Project Data							
Project Name	**FMP**	**Project Description:**	**Flood Region**	**Project Type**	**FIUP Project Category**	**Project Watershed**	**Rural Applicant**	**Project Cost**
City of Clear Lake Shores - Improve Regulations and Permit Requirements	063000140	City of Clear Lake Shores - Improve Regulations and Permit Requirements	San Jacinto	Preparedness	1		Yes	$ 109,000
City of Hitcock - Improve Regulations and Permit Requirements	063000142	City of Hitcock - Improve Regulations and Permit Requirements	San Jacinto	Preparedness	1		Yes	$ 109,000
City of Jamicia Beach - Improve Regulations and Permit Requirements	063000143	City of Jamicia Beach - Improve Regulations and Permit Requirements	San Jacinto	Preparedness	1		Yes	$ 109,000
City of Kemah - Improve Regulations and Permit Requirements	063000144	City of Kemah - Improve Regulations and Permit Requirements	San Jacinto	Preparedness	1		Yes	$ 109,000
City of Kemah - Update Floodplain Ordinance	063000145	City of Kemah - Update Floodplain Ordinance	San Jacinto	Preparedness	1		No	$ 109,000

		General Project Data					Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)			
Project Name	Benefit Cost Ratio	Cost per Structure Removed	Pre-Project Level-of-Service	Post-Project Level-of-Service	# of Structures in 1% Annual Chance FP (Pre-Project)	Project Status	Average Flood Depth (100yr)	Notes	Severity Ranking: Pre-Project Average Depth of Flooding (100-year)	Score 1
City of Clear Lake Shores - Improve Regulations and Permit Requirements	5.00	$ -	Unknown	0.01	633	Planning	-			
City of Hitcock - Improve Regulations and Permit Requirements	5.00	$ -	Unknown	0.01	2655	Planning	-			
City of Jamicia Beach - Improve Regulations and Permit Requirements	5.00	$ -	Unknown	0.01	1276	Planning	-			
City of Kemah - Improve Regulations and Permit Requirements	5.00	$ -	Unknown	0.01	562	Planning	-			
City of Kemah - Update Floodplain Ordinance	5.00	$ -	Unknown	0.01	562	Planning	-			

	Score 2: Severity - Community Need (% Population)	Score 2: Severity - Community Need (% Population)					Score 3: Flood Risk Reduction			
Project Name	**Communities Served by Project**	**Community Population Served**	**Flood Plain Population**	**Notes 2**	**Severity Ranking: Community Need (% Population)**	**Score 2**	**# of Structures Removed from 1% Annual Chance FP**	**Notes 3**	**Flood Risk Reduction**	**Score 3**
City of Clear Lake Shores - Improve Regulations and Permit Requirements	Galveston County, Harris County; Clear Lake Shores city, Kemah city, League City city, Seabrook city	5,081,827	2,597	0.05%	<25% of project community affected	1	0	0.00%	Reduced risk to 0 structures in floodplain	0
City of Hitcock - Improve Regulations and Permit Requirements	Brazoria County, Galveston County; Tiki Island village, Alvin city, Hitchcock city, Santa Fe city, Bayou Vista city, La Marque city	722,713	5,294	0.73%	<25% of project community affected	1	0	0.00%	Reduced risk to 0 structures in floodplain	0
City of Jamicia Beach - Improve Regulations and Permit Requirements	Galveston County; Jamaica Beach city, Galveston city	350,682	275	0.08%	<25% of project community affected	1	0	0.00%	Reduced risk to 0 structures in floodplain	0
City of Kemah - Improve Regulations and Permit Requirements	Galveston County, Harris County; Clear Lake Shores city, Bacliff CDP, Kemah city, League City city, Seabrook city	5,081,827	2,792	0.05%	<25% of project community affected	1	0	0.00%	Reduced risk to 0 structures in floodplain	0
City of Kemah - Update Floodplain Ordinance	Galveston County, Harris County; Clear Lake Shores city, Bacliff CDP, Kemah city, League City city, Seabrook city	5,081,827	2,792	0.05%	<25% of project community affected	1	0	0.00%	Reduced risk to 0 structures in floodplain	0

	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction				Score 6: Life and Safety			
Project Name	**# of Structures with Reduced 1% Annual Chance Flood Risk**	**Pre-Project Damage $**	**Post-Project Damage $**	**Notes 4**	**Flood Damage Reduction**	**Score 4**	**# of Critical Faciliites Removed from 1% Annual Chance FP**	**Notes 5**	**Reduction in Critical Facilities Flood Risk**	**Score 5**	**Adjusted Injury Risk (%)**	**Notes 6**	**Life and Safety Ranking (Injury/Loss of Life)**	**Score 6**
City of Clear Lake Shores - Improve Regulations and Permit Requirements	0						0	0.00%	Reduced risk for 0 structures in floodplain	0	-			
City of Hitcock - Improve Regulations and Permit Requirements	0						0	0.00%	Reduced risk for 0 structures in floodplain	0	-			
City of Jamicia Beach - Improve Regulations and Permit Requirements	0						0	0.00%	Reduced risk for 0 structures in floodplain	0	-		Life/injury risk percentage >30%	6
City of Kemah - Improve Regulations and Permit Requirements	0						0	0.00%	Reduced risk for 0 structures in floodplain	0	-			
City of Kemah - Update Floodplain Ordinance	0						0	0.00%	Reduced risk for 0 structures in floodplain	0	-			

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	Score 7: Water Supply						Score 8: Social Vulnerability				Score 9: Nature-Based Solution				Score 10: Multiple Benefits	
Project Name	Water Supply Benefit in Acre-Feet	SourceID	WMS_ID	Notes 7	Water Supply Yield Ranking	Score 7	SVI Score	Notes 8	Social Vulnerability Ranking	Score 8	% Nature Based Solution by Cost	Notes 9	Nature-Based Solutions Ranking	Score 9	Multiple Benefits Description	Notes 10
City of Clear Lake Shores - Improve Regulations and Permit Requirements	NA				No impact on water supply	0	0.203		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	0	
City of Hitcock - Improve Regulations and Permit Requirements	NA				No impact on water supply	0	0.546		SVI between 0.5-0.75 (moderate to high vulnerability)	7	0		<25% of the project cost is nature-based	1	0	
City of Jamicia Beach - Improve Regulations and Permit Requirements	NA				No impact on water supply	0	0.031		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	0	
City of Kemah - Improve Regulations and Permit Requirements	NA				No impact on water supply	0	0.421		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	0	
City of Kemah - Update Floodplain Ordinance	NA				No impact on water supply	0	0.421		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	0	

	Score 10: Multiple Benefits		Score 11: O&M		Score 11: O&M		Score 12: Admin, Regulatory Obstacles		
Project Name	**Multiple Benefit Ranking**	**Score 10**	**O&M Cost (Annual)**	**Notes 11**	**Operations and Maintenance Ranking**	**Score 11**	**Notes 12**	**Administrative, Regulatory and Other Obstacle Ranking**	**Score 12**
City of Clear Lake Shores - Improve Regulations and Permit Requirements	Project does not deliver any wider benefits	0	$ 6,000	5.50%	Project will not require any ongoing operation and maintenance (low);	10		Project has a high number of administrative, regulatory and limitations / requirements	2
City of Hitcock - Improve Regulations and Permit Requirements	Project does not deliver any wider benefits	0	$ 6,000	5.50%	Project will not require any ongoing operation and maintenance (low);	10		Project has a high number of administrative, regulatory and limitations / requirements	2
City of Jamicia Beach - Improve Regulations and Permit Requirements	Project does not deliver any wider benefits	0	$ 6,000	5.50%	Project will not require any ongoing operation and maintenance (low);	10		Project has a high number of administrative, regulatory and limitations / requirements	2
City of Kemah - Improve Regulations and Permit Requirements	Project does not deliver any wider benefits	0	$ 6,000	5.50%	Project will not require any ongoing operation and maintenance (low);	10		Project has a high number of administrative, regulatory and limitations / requirements	2
City of Kemah - Update Floodplain Ordinance	Project does not deliver any wider benefits	0	$ 6,000	5.50%	Project will not require any ongoing operation and maintenance (low);	10		Project has a high number of administrative, regulatory and limitations / requirements	2

	Score 13: Enviromental Benefit			Score 14: Environmental Impact			Score 15: Mobility			
Project Name	**Notes 13**	**Environmental Benefit Ranking**	**Score 13**	**Notes 14**	**Environmental Impact Ranking**	**Score 14**	**Traffic Count for LWC Project**	**Notes 15**	**Mobility Ranking**	**Score 15**
City of Clear Lake Shores - Improve Regulations and Permit Requirements		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
City of Hitcock - Improve Regulations and Permit Requirements		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
City of Jamicia Beach - Improve Regulations and Permit Requirements		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
City of Kemah - Improve Regulations and Permit Requirements		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
City of Kemah - Update Floodplain Ordinance		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4

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	General Project Data							
Project Name	**FMP**	**Project Description:**	**Flood Region**	**Project Type**	**FIUP Project Category**	**Project Watershed**	**Rural Applicant**	**Project Cost**
City of La Marque - Improve Regulations and Permit Requirements	063000146	City of La Marque - Improve Regulations and Permit Requirements	San Jacinto	Preparedness	1		Yes	$ 109,000
City of Tiki Island - Improve Regulations and Permit Requirements	063000148	City of Tiki Island - Improve Regulations and Permit Requirements	San Jacinto	Preparedness	1		No	$ 109,000
City of Santa Fe - Improve Regulations and Permit Requirements	063000149	City of Santa Fe - Improve Regulations and Permit Requirements	San Jacinto	Preparedness	1		No	$ 109,000
City of Galveston Land Use Mapping	063000152	City of Galveston Land Use Mapping	San Jacinto	Preparedness	1		No	$ 11,000
City of Galveston Freeboard Requirement Enforcement	063000153	City of Galveston Freeboard Requirement Enforcement	San Jacinto	Preparedness	1		No	$ 100,000

		General Project Data					Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)			
Project Name	Benefit Cost Ratio	Cost per Structure Removed	Pre-Project Level-of-Service	Post-Project Level-of-Service	# of Structures in 1% Annual Chance FP (Pre-Project)	Project Status	Average Flood Depth (100yr)	Notes	Severity Ranking: Pre-Project Average Depth of Flooding (100-year)	Score 1
City of La Marque - Improve Regulations and Permit Requirements	5.00	$ -	Unknown	0.01	829	Planning	-			
City of Tiki Island - Improve Regulations and Permit Requirements	5.00	$ -	Unknown	0.01	1006	Planning	-			
City of Santa Fe - Improve Regulations and Permit Requirements	5.00	$ -	Unknown	0.01	400	Planning	-			
City of Galveston Land Use Mapping	0.00	$ -	Varies by Roadways	Unknown	21858	Planning	-			
City of Galveston Freeboard Requirement Enforcement	5.00	$ -	Unknown	Unknown	21858	Planning	-			

	Score 2: Severity - Community Need (% Population)	Score 2: Severity - Community Need (% Population)					Score 3: Flood Risk Reduction			
Project Name	**Communities Served by Project**	**Community Population Served**	**Flood Plain Population**	**Notes 2**	**Severity Ranking: Community Need (% Population)**	**Score 2**	**# of Structures Removed from 1% Annual Chance FP**	**Notes 3**	**Flood Risk Reduction**	**Score 3**
City of La Marque - Improve Regulations and Permit Requirements	Galveston County; Hitchcock city, Santa Fe city, Texas City city, La Marque city	350,682	1,455	0.41%	<25% of project community affected	1	0	0.00%	Reduced risk to 0 structures in floodplain	0
City of Tiki Island - Improve Regulations and Permit Requirements	Galveston County; Tiki Island village	350,682	1,681	0.48%	<25% of project community affected	1	0	0.00%	Reduced risk to 0 structures in floodplain	0
City of Santa Fe - Improve Regulations and Permit Requirements	Galveston County; Hitchcock city, Santa Fe city, Texas City city, Dickinson city, La Marque city	350,682	748	0.21%	<25% of project community affected	1	0	0.00%	Reduced risk to 0 structures in floodplain	0
City of Galveston Land Use Mapping	Galveston County; Jamaica Beach city, Galveston city	350,682	64,300	18.34%	<25% of project community affected	1	0	0.00%	Reduced risk to 0 structures in floodplain	0
City of Galveston Freeboard Requirement Enforcement	Harris County;	350,682	64,300	18.34%	<25% of project community affected	1	0	0.00%	Reduced risk to 0 structures in floodplain	0

	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction				Score 6: Life and Safety			
Project Name	# of Structures with Reduced 1% Annual Chance Flood Risk	Pre-Project Damage $	Post-Project Damage $	Notes 4	Flood Damage Reduction	Score 4	# of Critical Faciliites Removed from 1% Annual Chance FP	Notes 5	Reduction in Critical Facilities Flood Risk	Score 5	Adjusted Injury Risk (%)	Notes 6	Life and Safety Ranking (Injury/Loss of Life)	Score 6
City of La Marque - Improve Regulations and Permit Requirements	0						0	0.00%	Reduced risk for 0 structures in floodplain	0	-			
City of Tiki Island - Improve Regulations and Permit Requirements	0						0	0.00%	Reduced risk for 0 structures in floodplain	0	-			
City of Santa Fe - Improve Regulations and Permit Requirements	0						0	0.00%	Reduced risk for 0 structures in floodplain	0	-			
City of Galveston Land Use Mapping	0						0	0.00%	Reduced risk for 0 structures in floodplain	0	-			
City of Galveston Freeboard Requirement Enforcement	0						0	0.00%	Reduced risk for 0 structures in floodplain	0			Life/injury risk percentage <20%	2

	Score 7: Water Supply						Score 8: Social Vulnerability				Score 9: Nature-Based Solution				Score 10: Multiple Benefits	
Project Name	Water Supply Benefit in Acre-Feet	SourceID	WMS_ID	Notes 7	Water Supply Yield Ranking	Score 7	SVI Score	Notes 8	Social Vulnerability Ranking	Score 8	% Nature Based Solution by Cost	Notes 9	Nature-Based Solutions Ranking	Score 9	Multiple Benefits Description	Notes 10
City of La Marque - Improve Regulations and Permit Requirements	NA				No impact on water supply	0	0.666		SVI between 0.5-0.75 (moderate to high vulnerability)	7	0		<25% of the project cost is nature-based	1	0	
City of Tiki Island - Improve Regulations and Permit Requirements	NA				No impact on water supply	0	0.137		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	0	
City of Santa Fe - Improve Regulations and Permit Requirements	NA				No impact on water supply	0	0.355		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	0	
City of Galveston Land Use Mapping	NA				No impact on water supply	0	0.424		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	0	
City of Galveston Freeboard Requirement Enforcement	NA				No impact on water supply	0	0.424		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	None	

	Score 10: Multiple Benefits		Score 11: O&M		Score 11: O&M		Score 12: Admin, Regulatory Obstacles		
Project Name	**Multiple Benefit Ranking**	**Score 10**	**O&M Cost (Annual)**	**Notes 11**	**Operations and Maintenance Ranking**	**Score 11**	**Notes 12**	**Administrative, Regulatory and Other Obstacle Ranking**	**Score 12**
City of La Marque - Improve Regulations and Permit Requirements	Project does not deliver any wider benefits	0	$ 6,000	5.50%	Project will not require any ongoing operation and maintenance (low);	10		Project has a high number of administrative, regulatory and limitations / requirements	2
City of Tiki Island - Improve Regulations and Permit Requirements	Project does not deliver any wider benefits	0	$ 6,000	5.50%	Project will not require any ongoing operation and maintenance (low);	10		Project has a high number of administrative, regulatory and limitations / requirements	2
City of Santa Fe - Improve Regulations and Permit Requirements	Project does not deliver any wider benefits	0	$ 6,000	5.50%	Project will not require any ongoing operation and maintenance (low);	10		Project has a high number of administrative, regulatory and limitations / requirements	2
City of Galveston Land Use Mapping	Project does not deliver any wider benefits	0	$ 1,000	9.09%	Project will not require any ongoing operation and maintenance (low);	10		Project has a high number of administrative, regulatory and limitations / requirements	2
City of Galveston Freeboard Requirement Enforcement	Project does not deliver any wider benefits	0	$ 6,000	6.00%	Project will not require any ongoing operation and maintenance (low);	10		Project has a high number of administrative, regulatory and limitations / requirements	2

	Score 13: Enviromental Benefit			Score 14: Environmental Impact			Score 15: Mobility			
Project Name	**Notes 13**	**Environmental Benefit Ranking**	**Score 13**	**Notes 14**	**Environmental Impact Ranking**	**Score 14**	**Traffic Count for LWC Project**	**Notes 15**	**Mobility Ranking**	**Score 15**
City of La Marque - Improve Regulations and Permit Requirements		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
City of Tiki Island - Improve Regulations and Permit Requirements		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
City of Santa Fe - Improve Regulations and Permit Requirements		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
City of Galveston Land Use Mapping		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
City of Galveston Freeboard Requirement Enforcement		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4

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	General Project Data							
Project Name	**FMP**	**Project Description:**	**Flood Region**	**Project Type**	**FIUP Project Category**	**Project Watershed**	**Rural Applicant**	**Project Cost**
Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and the larger channelization and detention along Greens Bayou known as the Mid-Reach project.	063000167	Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and the larger channelization and detention along Greens Bayou known as the Mid-Reach project.	San Jacinto	Comprehensive	1		No	$ 120,284,000
Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards	063000186	Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards	San Jacinto	Channel	3		No	$ 19,917,000
City of Alvin Unified Development Ordinance	063000201	City of Alvin Unified Development Ordinance	San Jacinto	Preparedness	4		No	$ 100,000
City of Galveston- 37th Street Improvement Project	063000311	City of Galveston- 37th Street Improvement Project	San Jacinto	Infrastructure	5		No	$ 75,000,000

		General Project Data					Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)			
Project Name	Benefit Cost Ratio	Cost per Structure Removed	Pre-Project Level-of-Service	Post-Project Level-of-Service	# of Structures in 1% Annual Chance FP (Pre-Project)	Project Status	Average Flood Depth (100yr)	Notes	Severity Ranking: Pre-Project Average Depth of Flooding (100-year)	Score 1
Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and the larger channelization and detention along Greens Bayou known as the Mid-Reach project.	2.13	$ 66,235.69	Unknown	Unknown	4420	Planning	-			
Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards	1.23	$ 2,489,625.00	0.1	0.02	33	Planning	-			
City of Alvin Unified Development Ordinance	5.00	$ -	Unknown	Unknown	3445	Planning	-			
City of Galveston- 37th Street Improvement Project	0.08	$ 382,653.06	Unknown	Unknown	196	Planning	-			

	Score 2: Severity - Community Need (% Population)	Score 2: Severity - Community Need (% Population)					Score 3: Flood Risk Reduction			
Project Name	**Communities Served by Project**	**Community Population Served**	**Flood Plain Population**	**Notes 2**	**Severity Ranking: Community Need (% Population)**	**Score 2**	**# of Structures Removed from 1% Annual Chance FP**	**Notes 3**	**Flood Risk Reduction**	**Score 3**
Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and the larger channelization and detention along Greens Bayou known as the Mid-Reach project.	Harris County; Atascocita CDP, Humble city, Houston city, Cloverleaf CDP, Aldine CDP	4,731,145	49,996	1.06%	<25% of project community affected	1	1816	41.09%	Reduced risk to <50% of structures in floodplain	4
Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards	Harris County; City of Houston, City of West Univeristy Place, City of Southside Place	34,674	1,410	4.07%	<25% of project community affected	1	8	24.24%	Reduced risk to <50% of structures in floodplain	4
City of Alvin Unified Development Ordinance	Brazoria County, Galveston County, Fort Bend County; Alvin city, Hillcrest village, Manvel city, Iowa Colony village, Friendswood city, Hitchcock city, Pearland city, League City city, Rosharon CDP	1,545,492	15,192	0.98%	<25% of project community affected	1	0	0.00%	Reduced risk to 0 structures in floodplain	0
City of Galveston- 37th Street Improvement Project	Galveston County; City of Galveston	1,428	468	32.77%	25%-50% of project community affected	4	196	100.00%	Reduced risk to >75% of structures in floodplain	10

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	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction				Score 6: Life and Safety			
Project Name	**# of Structures with Reduced 1% Annual Chance Flood Risk**	**Pre-Project Damage $**	**Post-Project Damage $**	**Notes 4**	**Flood Damage Reduction**	**Score 4**	**# of Critical Faciliites Removed from 1% Annual Chance FP**	**Notes 5**	**Reduction in Critical Facilities Flood Risk**	**Score 5**	**Adjusted Injury Risk (%)**	**Notes 6**	**Life and Safety Ranking (Injury/Loss of Life)**	**Score 6**
Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and the larger channelization and detention along Greens Bayou known as the Mid-Reach project.	2076						21	23.86%	Reduced risk for <25% of critical facilities in floodplain	2	-			
Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards	20						2	50.00%	Reduced risk for >50% of critical facilities in floodplain	6	6		Life/injury risk percentage <20%	2
City of Alvin Unified Development Ordinance	0						0	0.00%	Reduced risk for 0 structures in floodplain	0	6		Life/injury risk percentage <20%	2
City of Galveston- 37th Street Improvement Project	0	$ 205,233,445	$ 168,191,767	18.05%	Flood damage reduction < 25%	2	3	100.00%	Reduced risk for >95% of critical facilities in floodplain	10	6		Life/injury risk percentage <20%	2

	Score 7: Water Supply						Score 8: Social Vulnerability				Score 9: Nature-Based Solution				Score 10: Multiple Benefits	
Project Name	**Water Supply Benefit in Acre-Feet**	**SourceID**	**WMS_ID**	**Notes 7**	**Water Supply Yield Ranking**	**Score 7**	**SVI Score**	**Notes 8**	**Social Vulnerability Ranking**	**Score 8**	**% Nature Based Solution by Cost**	**Notes 9**	**Nature-Based Solutions Ranking**	**Score 9**	**Multiple Benefits Description**	**Notes 10**
Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and the larger channelization and detention along Greens Bayou known as the Mid-Reach project.	NA				No impact on water supply	0	0.695		SVI between 0.5-0.75 (moderate to high vulnerability)	7	0		<25% of the project cost is nature-based	1	Hike and Bike Trails to provide dual use for maintenance access and recreation along berms and under bridges.	
Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards	NA				No impact on water supply	0	0.026		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	None	
City of Alvin Unified Development Ordinance	NA				No impact on water supply	0	0.505		SVI between 0.5-0.75 (moderate to high vulnerability)	7	0		<25% of the project cost is nature-based	1	0	
City of Galveston- 37th Street Improvement Project	NA				No impact on water supply	0	0.679		SVI between 0.5-0.75 (moderate to high vulnerability)	7	0		<25% of the project cost is nature-based	1	Improves accessibility of the Harborside evacuation route during pre-storm flood events.	

	Score 10: Multiple Benefits		Score 11: O&M		Score 11: O&M		Score 12: Admin, Regulatory Obstacles		
Project Name	**Multiple Benefit Ranking**	**Score 10**	**O&M Cost (Annual)**	**Notes 11**	**Operations and Maintenance Ranking**	**Score 11**	**Notes 12**	**Administrative, Regulatory and Other Obstacle Ranking**	**Score 12**
Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and the larger channelization and detention along Greens Bayou known as the Mid-Reach project.	Project does not deliver any wider benefits	0	$ 7,288,000	6.06%	Project will not require any ongoing operation and maintenance (low);	10		Project has a high number of administrative, regulatory and limitations / requirements	2
Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards	Project does not deliver any wider benefits	0	$ 721,000	3.62%	Project will not require any ongoing operation and maintenance (low);	10		Project has a typical number of administrative, regulatory and limitations / requirements	6
City of Alvin Unified Development Ordinance	Project does not deliver any wider benefits	0	$ 6,000	6.00%	Project will not require any ongoing operation and maintenance (low);	10		Project has a typical number of administrative, regulatory and limitations / requirements	6
City of Galveston- 37th Street Improvement Project	Project does not deliver any wider benefits	0	$ 290,000	0.39%	Project will not require any ongoing operation and maintenance (low);	10		Project has a typical number of administrative, regulatory and limitations / requirements	6

	Score 13: Enviromental Benefit			Score 14: Environmental Impact			Score 15: Mobility			
Project Name	**Notes 13**	**Environmental Benefit Ranking**	**Score 13**	**Notes 14**	**Environmental Impact Ranking**	**Score 14**	**Traffic Count for LWC Project**	**Notes 15**	**Mobility Ranking**	**Score 15**
Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and the larger channelization and detention along Greens Bayou known as the Mid-Reach project.		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards		Project will deliver a low level of environmental benefits (1 category)	3		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
City of Alvin Unified Development Ordinance		Project will deliver a low level of environmental benefits (1 category)	3		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
City of Galveston- 37th Street Improvement Project		Project will deliver a low level of environmental benefits (1 category)	3		Project will have adverse environmental impacts in 1 environmental category	6			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4

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	General Project Data							
Project Name	**FMP**	**Project Description:**	**Flood Region**	**Project Type**	**FIUP Project Category**	**Project Watershed**	**Rural Applicant**	**Project Cost**
Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	063000313	Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	San Jacinto	Detention Pond	2	Buffalo & North Galveston Bay	No	$ 33,081,000
Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	063000315	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	San Jacinto	Comprehensive	2	East & West Fork - San Jacinto	No	$ 27,818,000
Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	063000319	Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	San Jacinto	Detention Pond	2	Spring	No	$ 34,850,000
Warren Lake and Dam Retrofit	063000320	Warren Lake and Dam Retrofit	San Jacinto	Comprehensive	2	Buffalo	No	$ 6,439,000
Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)	063000321	Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)	San Jacinto	Detention Pond	2	Buffalo & North Galveston Bay	No	$ 9,450,000

		General Project Data					Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)			
Project Name	Benefit Cost Ratio	Cost per Structure Removed	Pre-Project Level-of-Service	Post-Project Level-of-Service	# of Structures in 1% Annual Chance FP (Pre-Project)	Project Status	Average Flood Depth (100yr)	Notes	Severity Ranking: Pre-Project Average Depth of Flooding (100-year)	Score 1
Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	0.04	$ 787,642.88	Unknown	Unknown	306	Planning	0.57810748		Baseline average flood depth > 0.5ft	4
Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	0.73	$ 105,371.22	Unknown	Unknown	1015	Planning	1.29137772		Baseline average flood depth > 1ft	6
Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	0.01	$ 2,323,333.25	Unknown	Unknown	1387	Planning	1.75595848		Baseline average flood depth > 1ft	6
Warren Lake and Dam Retrofit	4.45	$ 137,000.00	Unknown	Unknown	47	Planning	0.69152864		Baseline average flood depth > 0.5ft	4
Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)	0.81	$ 41,086.96	Unknown	Unknown	6363	Planning	0.48962402		Baseline average flood depth < 0.5ft	2

	Score 2: Severity - Community Need (% Population)	Score 2: Severity - Community Need (% Population)					Score 3: Flood Risk Reduction			
Project Name	**Communities Served by Project**	**Community Population Served**	**Flood Plain Population**	**Notes 2**	**Severity Ranking: Community Need (% Population)**	**Score 2**	**# of Structures Removed from 1% Annual Chance FP**	**Notes 3**	**Flood Risk Reduction**	**Score 3**
Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	Harris County;	97,594	1,377	1.41%	<25% of project community affected	1	42	13.73%	Reduced risk to <50% of structures in floodplain	4
Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	Harris County; City of Houston	69277	3,403	4.91%	<25% of project community affected	1	264	26.01%	Reduced risk to <50% of structures in floodplain	4
Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	Harris County; City of Nassau Bay, City of La Porte, City of Houston, City of Deer Park, City of Webster, City of Pasadena, City of Taylor Lake Village	137923	3,757	2.72%	<25% of project community affected	1	15	1.08%	Reduced risk to <10% of structures in floodplain	1
Warren Lake and Dam Retrofit	Harris County; City of Houston	1,769	94	5.31%	<25% of project community affected	1	47	100.00%	Reduced risk to >75% of structures in floodplain	10
Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)	Harris County; Deer Park, Pasadena	19,188	18,858	98.28%	>75% of project community affected (by population)	10	230	3.61%	Reduced risk to <10% of structures in floodplain	1

	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction				Score 6: Life and Safety			
Project Name	**# of Structures with Reduced 1% Annual Chance Flood Risk**	**Pre-Project Damage $**	**Post-Project Damage $**	**Notes 4**	**Flood Damage Reduction**	**Score 4**	**# of Critical Faciliites Removed from 1% Annual Chance FP**	**Notes 5**	**Reduction in Critical Facilities Flood Risk**	**Score 5**	**Adjusted Injury Risk (%)**	**Notes 6**	**Life and Safety Ranking (Injury/Loss of Life)**	**Score 6**
Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	201	$ 73,144,746	$ 49,501,867	32.32%	Flood damage reduction > 25%	4	0	0.00%	Reduced risk for 0 structures in floodplain	0	16.216043		Life/injury risk percentage <20%	2
Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	0	$ 10,367,704	$ 2,288,321	77.93%	Flood damage reduction > 75%	8	2	50.00%	Reduced risk for >50% of critical facilities in floodplain	6	37.32204		Life/injury risk percentage >30%	6
Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	383	$ 99,634,366	$ 86,806,072	12.88%	Flood damage reduction < 25%	2	0	0.00%	Reduced risk for 0 structures in floodplain	0	38.98574		Life/injury risk percentage >30%	6
Warren Lake and Dam Retrofit	47	$ 475,115,473	$ 196,878,883	58.56%	Flood damage reduction > 50%	6	0	0.00%	Reduced risk for 0 structures in floodplain	0	17.36826		Life/injury risk percentage <20%	2
Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)	1256	$ 13,582,849	$ 2,915,600	78.53%	Flood damage reduction > 75%	8	0	0.00%	Reduced risk for 0 structures in floodplain	0	10.4064		Life/injury risk percentage <20%	2

	Score 7: Water Supply						Score 8: Social Vulnerability				Score 9: Nature-Based Solution				Score 10: Multiple Benefits	
Project Name	**Water Supply Benefit in Acre-Feet**	**SourceID**	**WMS_ID**	**Notes 7**	**Water Supply Yield Ranking**	**Score 7**	**SVI Score**	**Notes 8**	**Social Vulnerability Ranking**	**Score 8**	**% Nature Based Solution by Cost**	**Notes 9**	**Nature-Based Solutions Ranking**	**Score 9**	**Multiple Benefits Description**	**Notes 10**
Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	NA				No impact on water supply	0	0.368		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	67 acre-ft of retention volume, recreation	
Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	NA				No impact on water supply	0	0.276		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	0	
Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	NA				No impact on water supply	0	0.413		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	0	
Warren Lake and Dam Retrofit	NA				No impact on water supply	0	0.555		SVI between 0.5-0.75 (moderate to high vulnerability)	7	100		<25% of the project cost is nature-based	1	Restoring dam provides marsh vegetation	
Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)	NA				No impact on water supply	0	0.513		SVI between 0.5-0.75 (moderate to high vulnerability)	7	0		<25% of the project cost is nature-based	1	0	

	Score 10: Multiple Benefits		Score 11: O&M		Score 11: O&M		Score 12: Admin, Regulatory Obstacles		
Project Name	**Multiple Benefit Ranking**	**Score 10**	**O&M Cost (Annual)**	**Notes 11**	**Operations and Maintenance Ranking**	**Score 11**	**Notes 12**	**Administrative, Regulatory and Other Obstacle Ranking**	**Score 12**
Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	Project does not deliver any wider benefits	0	$ 938,000	2.84%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1		Project has a typical number of administrative, regulatory and limitations / requirements	6
Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	Project does not deliver any wider benefits	0	$ 1,686,000	6.06%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1		Project has a typical number of administrative, regulatory and limitations / requirements	6
Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	Project delivers benefits in only 1 wider benefit category	1	$ 2,112,000	6.06%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1		Project has a typical number of administrative, regulatory and limitations / requirements	6
Warren Lake and Dam Retrofit	Project does not deliver any wider benefits	0	$ 326,000	5.06%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1		Project has a typical number of administrative, regulatory and limitations / requirements	6
Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)	Project does not deliver any wider benefits	0	$ 576,000	6.10%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1		Project has a typical number of administrative, regulatory and limitations / requirements	6

	Score 13: Enviromental Benefit			Score 14: Environmental Impact			Score 15: Mobility			
Project Name	**Notes 13**	**Environmental Benefit Ranking**	**Score 13**	**Notes 14**	**Environmental Impact Ranking**	**Score 14**	**Traffic Count for LWC Project**	**Notes 15**	**Mobility Ranking**	**Score 15**
Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)		Project will deliver a moderate level of environmental benefits (2-3 categories)	6		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Warren Lake and Dam Retrofit		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4

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	General Project Data							
Project Name	**FMP**	**Project Description:**	**Flood Region**	**Project Type**	**FIUP Project Category**	**Project Watershed**	**Rural Applicant**	**Project Cost**
Blalock Road Drainage Improvement Project	063000327	Blalock Road Drainage Improvement Project	San Jacinto	Infrastructure	2	Spring & Buffalo	No	$ 19,324,000
Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	063000328	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	San Jacinto	Comprehensive	2	Buffalo & West Galveston Bay	No	$ 190,218,000
Goose Creek Flood Risk Reduction	063000334	Goose Creek Flood Risk Reduction	San Jacinto	Comprehensive	2	Buffalo	No	$ 46,494,000
Willow Creek Watershed Plan - M120 Detention/Preservation Site	063000339	Willow Creek Watershed Plan - M120 Detention/Preservation Site	San Jacinto	Detention Pond	2	Buffalo & West Fork - San Jacinto	No	$ 64,900,000
White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	063000344	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	San Jacinto	Detention Pond	2	Buffalo & West Galveston Bay	No	$ 42,600,000

		General Project Data					Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)			
Project Name	Benefit Cost Ratio	Cost per Structure Removed	Pre-Project Level-of-Service	Post-Project Level-of-Service	# of Structures in 1% Annual Chance FP (Pre-Project)	Project Status	Average Flood Depth (100yr)	Notes	Severity Ranking: Pre-Project Average Depth of Flooding (100-year)	Score 1
Blalock Road Drainage Improvement Project	0.00	$ 357,851.88	Unknown	Unknown	364	Planning	1.1917304		Baseline average flood depth > 1ft	6
Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	0.94	$ 94,682.93	Unknown	Unknown	3717	Planning	0.69626354		Baseline average flood depth > 0.5ft	4
Goose Creek Flood Risk Reduction	0.48	$ 172,840.16	Unknown	Unknown	980	Planning	0.709678		Baseline average flood depth > 0.5ft	4
Willow Creek Watershed Plan - M120 Detention/Preservation Site	0.68	$ 511,023.63	Unknown	Unknown	916	Planning	0.793329		Baseline average flood depth > 0.5ft	4
White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	1.89	$ 60,683.77	Unknown	Unknown	5661	Planning	0.97377458		Baseline average flood depth > 0.5ft	4

	Score 2: Severity - Community Need (% Population)	Score 2: Severity - Community Need (% Population)					Score 3: Flood Risk Reduction			
Project Name	**Communities Served by Project**	**Community Population Served**	**Flood Plain Population**	**Notes 2**	**Severity Ranking: Community Need (% Population)**	**Score 2**	**# of Structures Removed from 1% Annual Chance FP**	**Notes 3**	**Flood Risk Reduction**	**Score 3**
Blalock Road Drainage Improvement Project	Harris County;	1,973	1,519	76.99%	>75% of project community affected (by population)	10	54	14.84%	Reduced risk to <50% of structures in floodplain	4
Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	Fort Bend County, Harris County; Sugar Land, Missouri City, Houston, Meadows Place, Stafford	132,127	20,045	15.17%	<25% of project community affected	1	2009	54.05%	Reduced risk to <75% of structures in floodplain	7
Goose Creek Flood Risk Reduction	Harris County; Baytown	52,309	5,318	10.17%	<25% of project community affected	1	269	27.45%	Reduced risk to <50% of structures in floodplain	4
Willow Creek Watershed Plan - M120 Detention/Preservation Site	Harris County; Houston, Tomball	63,771	2,230	3.50%	<25% of project community affected	1	127	13.86%	Reduced risk to <50% of structures in floodplain	4
White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	Harris County; Jersey Village, Houston	340,696	29,631	8.70%	<25% of project community affected	1	702	12.40%	Reduced risk to <50% of structures in floodplain	4

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	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction				Score 6: Life and Safety			
Project Name	**# of Structures with Reduced 1% Annual Chance Flood Risk**	**Pre-Project Damage $**	**Post-Project Damage $**	**Notes 4**	**Flood Damage Reduction**	**Score 4**	**# of Critical Faciliites Removed from 1% Annual Chance FP**	**Notes 5**	**Reduction in Critical Facilities Flood Risk**	**Score 5**	**Adjusted Injury Risk (%)**	**Notes 6**	**Life and Safety Ranking (Injury/Loss of Life)**	**Score 6**
Blalock Road Drainage Improvement Project	97	$ 841,167,711	$ 723,577,014	13.98%	Flood damage reduction < 25%	2	0	0.00%	Reduced risk for 0 structures in floodplain	0	44.211829		Life/injury risk percentage >40%	8
Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	1446	$ 13,850,239	$ 10,194,013	26.40%	Flood damage reduction > 25%	4	29	50.88%	Reduced risk for >50% of critical facilities in floodplain	6	19.435573		Life/injury risk percentage <20%	2
Goose Creek Flood Risk Reduction	383	$ 105,385,864	$ 105,226,349	0.15%	Flood damage reduction < 25%	2	9	26.47%	Reduced risk for >25% of critical facilities in floodplain	4	22.206472		Life/injury risk percentage >20%	4
Willow Creek Watershed Plan - M120 Detention/Preservation Site	260	$ 39,707,168	$ 18,366,707	53.74%	Flood damage reduction > 50%	6	0	0.00%	Reduced risk for 0 structures in floodplain	0	20.51313		Life/injury risk percentage >20%	4
White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	2115	$ 616,472,826	$ 505,643,242	17.98%	Flood damage reduction < 25%	2	2	6.67%	Reduced risk for <25% of critical facilities in floodplain	2	21.533557		Life/injury risk percentage >20%	4

	Score 7: Water Supply						Score 8: Social Vulnerability				Score 9: Nature-Based Solution				Score 10: Multiple Benefits	
Project Name	**Water Supply Benefit in Acre-Feet**	**SourceID**	**WMS_ID**	**Notes 7**	**Water Supply Yield Ranking**	**Score 7**	**SVI Score**	**Notes 8**	**Social Vulnerability Ranking**	**Score 8**	**% Nature Based Solution by Cost**	**Notes 9**	**Nature-Based Solutions Ranking**	**Score 9**	**Multiple Benefits Description**	**Notes 10**
Blalock Road Drainage Improvement Project	NA				No impact on water supply	0	0.276		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	0	
Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	NA				No impact on water supply	0	0.652		SVI between 0.5-0.75 (moderate to high vulnerability)	7	0		<25% of the project cost is nature-based	1	0	
Goose Creek Flood Risk Reduction	NA				No impact on water supply	0	0.629		SVI between 0.5-0.75 (moderate to high vulnerability)	7	0		<25% of the project cost is nature-based	1	0	
Willow Creek Watershed Plan - M120 Detention/Preservation Site	NA				No impact on water supply	0	0.257		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	Environmental	
White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	NA				No impact on water supply	0	0.348		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	0	

	Score 10: Multiple Benefits		Score 11: O&M		Score 11: O&M		Score 12: Admin, Regulatory Obstacles		
Project Name	**Multiple Benefit Ranking**	**Score 10**	**O&M Cost (Annual)**	**Notes 11**	**Operations and Maintenance Ranking**	**Score 11**	**Notes 12**	**Administrative, Regulatory and Other Obstacle Ranking**	**Score 12**
Blalock Road Drainage Improvement Project	Project does not deliver any wider benefits	0	$ 1,171,000	6.06%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1		Project has a typical number of administrative, regulatory and limitations / requirements	6
Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	Project does not deliver any wider benefits	0	$ 11,585,000	6.09%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1		Project has a typical number of administrative, regulatory and limitations / requirements	6
Goose Creek Flood Risk Reduction	Project does not deliver any wider benefits	0	$ 2,832,000	6.09%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1		Project has a typical number of administrative, regulatory and limitations / requirements	6
Willow Creek Watershed Plan - M120 Detention/Preservation Site	Project does not deliver any wider benefits	0	$ 3,953,000	6.09%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1		Project has a typical number of administrative, regulatory and limitations / requirements	6
White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	Project does not deliver any wider benefits	0	$ 2,595,000	6.09%	Project requires regular, ongoing operation and maintenance; and/or O&M requirements are well defined (Regular);	7		Project has a high number of administrative, regulatory and limitations / requirements	2

	Score 13: Enviromental Benefit			Score 14: Environmental Impact			Score 15: Mobility			
Project Name	**Notes 13**	**Environmental Benefit Ranking**	**Score 13**	**Notes 14**	**Environmental Impact Ranking**	**Score 14**	**Traffic Count for LWC Project**	**Notes 15**	**Mobility Ranking**	**Score 15**
Blalock Road Drainage Improvement Project		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Goose Creek Flood Risk Reduction		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Willow Creek Watershed Plan - M120 Detention/Preservation Site		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4

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	General Project Data							
Project Name	**FMP**	**Project Description:**	**Flood Region**	**Project Type**	**FIUP Project Category**	**Project Watershed**	**Rural Applicant**	**Project Cost**
Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	063000357	Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	San Jacinto	Detention Pond	2	Buffalo & West Galveston Bay	No	$ 550,000,000
Kingwood Diversion Ditch (G103-38-00)	063000360	Kingwood Diversion Ditch (G103-38-00)	San Jacinto	Comprehensive	2	Buffalo & West Galveston Bay	No	$ 62,938,000
Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)	063000389	Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)	San Jacinto	Comprehensive	2	Buffalo & West Galveston Bay	No	$ 8,375,000
P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)	063000396	P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)	San Jacinto	Comprehensive	2	Buffalo & West Galveston Bay	No	$ 10,371,000
Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	063000397	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	San Jacinto	Comprehensive	2	Buffalo & West Galveston Bay	No	$ 31,317,000

		General Project Data					Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)			
Project Name	**Benefit Cost Ratio**	**Cost per Structure Removed**	**Pre-Project Level-of-Service**	**Post-Project Level-of-Service**	**# of Structures in 1% Annual Chance FP (Pre-Project)**	**Project Status**	**Average Flood Depth (100yr)**	**Notes**	**Severity Ranking: Pre-Project Average Depth of Flooding (100-year)**	**Score 1**
Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	0.28	$ 195,451.31	Unknown	Varies	16233	Planning	2.336		Baseline average flood depth > 2ft	8
Kingwood Diversion Ditch (G103-38-00)	0.03	$ 1,284,449.00	Unknown	Unknown	79	Planning	0.812		Baseline average flood depth > 0.5ft	4
Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)	1.47	$ 348,958.34	Unknown	Unknown	14652	Planning	0.6302		Baseline average flood depth > 0.5ft	4
P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)	0.24	$ 80,395.35	Unknown	Unknown	3412	Planning	0.5022		Baseline average flood depth > 0.5ft	4
Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	0.48	$ 109,500.00	Varies	Varies	289	Planning	0.513		Baseline average flood depth > 0.5ft	4

	Score 2: Severity - Community Need (% Population)	Score 2: Severity - Community Need (% Population)					Score 3: Flood Risk Reduction			
Project Name	**Communities Served by Project**	**Community Population Served**	**Flood Plain Population**	**Notes 2**	**Severity Ranking: Community Need (% Population)**	**Score 2**	**# of Structures Removed from 1% Annual Chance FP**	**Notes 3**	**Flood Risk Reduction**	**Score 3**
Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	Houston City	123,326	49,086	39.80%	25%-50% of project community affected	4	2814	17.34%	Reduced risk to <50% of structures in floodplain	4
Kingwood Diversion Ditch (G103-38-00)	Houston City, Southside Place City, West University Place City	17,146	3,414	19.91%	<25% of project community affected	1	49	62.03%	Reduced risk to <75% of structures in floodplain	7
Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)	Galveston City	27,748	36,556	131.74%	>75% of project community affected (by population)	10	24	0.16%	Reduced risk to <10% of structures in floodplain	1
P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)	Houston City	97,594	740	0.76%	<25% of project community affected	1	129	3.78%	Reduced risk to <10% of structures in floodplain	1
Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	Houston City	1,769	1,108	62.63%	50%-75% of project community affected	7	286	98.96%	Reduced risk to >75% of structures in floodplain	10

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	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction				Score 6: Life and Safety			
Project Name	**# of Structures with Reduced 1% Annual Chance Flood Risk**	**Pre-Project Damage $**	**Post-Project Damage $**	**Notes 4**	**Flood Damage Reduction**	**Score 4**	**# of Critical Faciliites Removed from 1% Annual Chance FP**	**Notes 5**	**Reduction in Critical Facilities Flood Risk**	**Score 5**	**Adjusted Injury Risk (%)**	**Notes 6**	**Life and Safety Ranking (Injury/Loss of Life)**	**Score 6**
Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	5947	$ 1,042,565,045	$ 715,413,804	31.38%	Flood damage reduction > 25%	4	18	11.39%	Reduced risk for <25% of critical facilities in floodplain	2	13.008		Life/injury risk percentage <20%	2
Kingwood Diversion Ditch (G103-38-00)	21	$ 21,986,470		100.00%	Flood damage reduction >95%	10	10	55.56%	Reduced risk for >50% of critical facilities in floodplain	6	8.436		Life/injury risk percentage <20%	2
Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)	5042	$ 13,652,685		100.00%	Flood damage reduction >95%	10	1	0.65%	Reduced risk for <25% of critical facilities in floodplain	2	7.8906		Life/injury risk percentage <20%	2
P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)	557	$ 7,111,009	$ 3,877,638	45.47%	Flood damage reduction > 25%	4	0	0.00%	Reduced risk for 0 structures in floodplain	0	7.5066		Life/injury risk percentage <20%	2
Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	3	$ 2,203,522	$ 1,623,473	26.32%	Flood damage reduction > 25%	4	0	0.00%	Reduced risk for 0 structures in floodplain	0	4.539		Life/injury risk percentage <20%	2

	Score 7: Water Supply						Score 8: Social Vulnerability				Score 9: Nature-Based Solution				Score 10: Multiple Benefits	
Project Name	**Water Supply Benefit in Acre-Feet**	**SourceID**	**WMS_ID**	**Notes 7**	**Water Supply Yield Ranking**	**Score 7**	**SVI Score**	**Notes 8**	**Social Vulnerability Ranking**	**Score 8**	**% Nature Based Solution by Cost**	**Notes 9**	**Nature-Based Solutions Ranking**	**Score 9**	**Multiple Benefits Description**	**Notes 10**
Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	NA				No impact on water supply	0	0.276		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	0	
Kingwood Diversion Ditch (G103-38-00)	NA				No impact on water supply	0	0.199		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	0	
Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)	NA				No impact on water supply	0	0.417		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	0	
P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)	NA				No impact on water supply	0	0.750		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	0	
Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	NA				No impact on water supply	0	0.660		SVI between 0.5-0.75 (moderate to high vulnerability)	7	0		>75% of the project cost is nature-based	10	0	

	Score 10: Multiple Benefits		Score 11: O&M		Score 11: O&M		Score 12: Admin, Regulatory Obstacles		
Project Name	**Multiple Benefit Ranking**	**Score 10**	**O&M Cost (Annual)**	**Notes 11**	**Operations and Maintenance Ranking**	**Score 11**	**Notes 12**	**Administrative, Regulatory and Other Obstacle Ranking**	**Score 12**
Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	Project delivers benefits in only 1 wider benefit category	1	$ 91,000	0.02%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1		Project has a typical number of administrative, regulatory and limitations / requirements	6
Kingwood Diversion Ditch (G103-38-00)	Project does not deliver any wider benefits	0	$ 3,833,000	6.09%	Project will require ongoing operation and maintenance outside of the owner's regular maintenance practices; long-term O&M requirements are undefined; and/or high annual O&M cost > 1% of project (high);	4		Project has a typical number of administrative, regulatory and limitations / requirements	6
Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)	Project delivers benefits in 2 wider benefit categories	4	$ 511,000	6.10%	Project requires regular, ongoing operation and maintenance; and/or O&M requirements are well defined (Regular);	7		Project has a typical number of administrative, regulatory and limitations / requirements	6
P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)	Project delivers benefits in only 1 wider benefit category	1	$ 415,000	4.00%	Project will require ongoing operation and maintenance outside of the owner's regular maintenance practices; long-term O&M requirements are undefined; and/or high annual O&M cost > 1% of project (high);	4		Project has a typical number of administrative, regulatory and limitations / requirements	6
Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	Project delivers benefits in only 1 wider benefit category	1	$ 1,898,000	6.06%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1		Project has a high number of administrative, regulatory and limitations / requirements	2

	Score 13: Enviromental Benefit			Score 14: Environmental Impact			Score 15: Mobility			
Project Name	**Notes 13**	**Environmental Benefit Ranking**	**Score 13**	**Notes 14**	**Environmental Impact Ranking**	**Score 14**	**Traffic Count for LWC Project**	**Notes 15**	**Mobility Ranking**	**Score 15**
Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Kingwood Diversion Ditch (G103-38-00)		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02		Project will deliver a high level of environmental benefits (4+ categories)	10		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4

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	General Project Data							
Project Name	**FMP**	**Project Description:**	**Flood Region**	**Project Type**	**FIUP Project Category**	**Project Watershed**	**Rural Applicant**	**Project Cost**
Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	063000399	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	San Jacinto	Comprehensive	2	Buffalo & West Galveston Bay	No	$ 14,939,000
Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	063000400	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	San Jacinto	Comprehensive	2	Buffalo & West Galveston Bay	No	$ 23,680,000
Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)	063000402	Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)	San Jacinto	Comprehensive	2	North Galveston Bay	No	$ 30,360,000
Houston Fifth Area Flood Mitigation	063000417	Houston Fifth Area Flood Mitigation	San Jacinto	Infrastructure	2	North Galveston Bay	No	$ 89,754,000
Houston Port Area Flood Mitigation	063000418	Houston Port Area Flood Mitigation	San Jacinto	Infrastructure	2	North Galveston Bay	No	$ 99,022,000

		General Project Data					Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)			
Project Name	Benefit Cost Ratio	Cost per Structure Removed	Pre-Project Level-of-Service	Post-Project Level-of-Service	# of Structures in 1% Annual Chance FP (Pre-Project)	Project Status	Average Flood Depth (100yr)	Notes	Severity Ranking: Pre-Project Average Depth of Flooding (100-year)	Score 1
Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	0.96	$ 15,692.23	Varies	Varies	13531	Planning	0.3714		Baseline average flood depth < 0.5ft	2
Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	2.18	$ 72,861.54	Varies	0.01	326	Planning	0.82		Baseline average flood depth > 0.5ft	4
Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)	0.46	$ 80,105.55	Unknown	Unknown	2569	Planning	0.48		Baseline average flood depth<0.5ft	2
Houston Fifth Area Flood Mitigation	1.87	$ 68,724.35	Unknown	Unknown	2162	Planning	0.44		Baseline average flood depth<0.5ft	2
Houston Port Area Flood Mitigation	0.30	$ 184,055.77	Unknown	Unknown	765	Planning	0.79		Baseline average flood depth>0.5ft	4

	Score 2: Severity - Community Need (% Population)	Score 2: Severity - Community Need (% Population)					Score 3: Flood Risk Reduction			
Project Name	**Communities Served by Project**	**Community Population Served**	**Flood Plain Population**	**Notes 2**	**Severity Ranking: Community Need (% Population)**	**Score 2**	**# of Structures Removed from 1% Annual Chance FP**	**Notes 3**	**Flood Risk Reduction**	**Score 3**
Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	Pearland City, Friendswood City, Houston City, Alvin City, League City, Webster City	41,693	10,940	26.24%	25%-50% of project community affected	4	952	7.04%	Reduced risk to <10% of structures in floodplain	1
Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	Houston City	70,937	1,083	1.53%	<25% of project community affected	1	325	99.69%	Reduced risk to >75% of structures in floodplain	10
Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)	Pearland City, Friendswood City	140,332	8,805	6.27%	<25% of project community affected	1	379	14.75%	Reduced risk to <50% of structures in floodplain	4
Houston Fifth Area Flood Mitigation	Houston City	111,856	6,289	5.62%	<25% of project community affected	1	1306	60.41%	Reduced risk to <75% of structures in floodplain	7
Houston Port Area Flood Mitigation	Nassau Bay, La Porte, Houston City, Deer Park, Webster, Pasadena, Taylor Lake Village	111,856	2,550	2.28%	<25% of project community affected	1	538	70.33%	Reduced risk to <75% of structures in floodplain	7

	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction				Score 6: Life and Safety			
Project Name	**# of Structures with Reduced 1% Annual Chance Flood Risk**	**Pre-Project Damage $**	**Post-Project Damage $**	**Notes 4**	**Flood Damage Reduction**	**Score 4**	**# of Critical Faciliites Removed from 1% Annual Chance FP**	**Notes 5**	**Reduction in Critical Facilities Flood Risk**	**Score 5**	**Adjusted Injury Risk (%)**	**Notes 6**	**Life and Safety Ranking (Injury/Loss of Life)**	**Score 6**
Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	0	$ 3,377,515	$ 3,010,983	10.85%	Flood damage reduction < 25%	2	3	3.26%	Reduced risk for <25% of critical facilities in floodplain	2	7.1142		Life/injury risk percentage <20%	2
Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	1	$ 280,379,747	$ 259,121,687	7.58%	Flood damage reduction < 25%	2	5	100.00%	Reduced risk for >95% of critical facilities in floodplain	10	8.46		Life/injury risk percentage <20%	2
Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)	1346	$ 64,031,128	$ 6,804,582	89.37%	Flood damage reduction > 75%	8	8	23.53%	Reduced risk for >50% of critical facilities in floodplain	6	10.184		Life/injury risk percentage <20%	2
Houston Fifth Area Flood Mitigation	634	$ 27,056,803	$ 1,207,748	95.54%	Flood damage reduction >95%	10	16	84.21%	Reduced risk for >75% of critical facilities in floodplain	8	15.67		Life/injury risk percentage <20%	2
Houston Port Area Flood Mitigation	193	$ 25,133,098	$ 24,258,218	3.48%	Flood damage reduction < 25%	2	0	0.00%	Reduced risk for 0 structures in floodplain	0	18.667		Life/injury risk percentage <20%	2

	Score 7: Water Supply						Score 8: Social Vulnerability				Score 9: Nature-Based Solution				Score 10: Multiple Benefits	
Project Name	Water Supply Benefit in Acre-Feet	SourceID	WMS_ID	Notes 7	Water Supply Yield Ranking	Score 7	SVI Score	Notes 8	Social Vulnerability Ranking	Score 8	% Nature Based Solution by Cost	Notes 9	Nature-Based Solutions Ranking	Score 9	Multiple Benefits Description	Notes 10
Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	NA				No impact on water supply	0	0.776		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	0	
Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	NA				No impact on water supply	0	0.731		SVI between 0.5-0.75 (moderate to high vulnerability)	7	0		<25% of the project cost is nature-based	1	0	
Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)	NA				No impact on water supply	0	0.575		SVI between 0.5-0.75 (moderate to high vulnerability)	7	0		<25% of the project cost is nature-based	1	0	
Houston Fifth Area Flood Mitigation	NA				No impact on water supply	0	0.903		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	0	
Houston Port Area Flood Mitigation	NA				No impact on water supply	0	0.754		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	0	

	Score 10: Multiple Benefits		Score 11: O&M		Score 11: O&M		Score 12: Admin, Regulatory Obstacles		
Project Name	**Multiple Benefit Ranking**	**Score 10**	**O&M Cost (Annual)**	**Notes 11**	**Operations and Maintenance Ranking**	**Score 11**	**Notes 12**	**Administrative, Regulatory and Other Obstacle Ranking**	**Score 12**
Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	Project does not deliver any wider benefits	0	$ 906,000	6.06%	Project requires regular, ongoing operation and maintenance; and/or O&M requirements are well defined (Regular);	7		Project has a typical number of administrative, regulatory and limitations / requirements	6
Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	Project delivers benefits in only 1 wider benefit category	1	$ 1,421,000	6.00%	Project will require ongoing operation and maintenance outside of the owner's regular maintenance practices; long-term O&M requirements are undefined; and/or high annual O&M cost > 1% of project (high);	4		Project has a typical number of administrative, regulatory and limitations / requirements	6
Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)	Project does not deliver any wider benefits	0	$ 1,849,000	6.09%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	multiple entities; large project	Project has a high number of administrative, regulatory and limitations / requirements	2
Houston Fifth Area Flood Mitigation	Project does not deliver any wider benefits	0	$ 5,438,000	6.06%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	multiple entities; large project	Project has a high number of administrative, regulatory and limitations / requirements	2
Houston Port Area Flood Mitigation	Project does not deliver any wider benefits	0	$ 6,000,000	6.06%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	multiple entities; large project	Project has a high number of administrative, regulatory and limitations / requirements	2

	Score 13: Enviromental Benefit			Score 14: Environmental Impact			Score 15: Mobility			
Project Name	**Notes 13**	**Environmental Benefit Ranking**	**Score 13**	**Notes 14**	**Environmental Impact Ranking**	**Score 14**	**Traffic Count for LWC Project**	**Notes 15**	**Mobility Ranking**	**Score 15**
Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)		Project will deliver a moderate level of environmental benefits (2-3 categories)	6		Project will have adverse environmental impacts in 2-3 environmental categories	3			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Houston Fifth Area Flood Mitigation		Project will deliver a moderate level of environmental benefits (2-3 categories)	6		Project will have adverse environmental impacts in 1 environmental category	6			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Houston Port Area Flood Mitigation		Project will deliver a moderate level of environmental benefits (2-3 categories)	6		Project will have adverse environmental impacts in 1 environmental category	6			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4

	General Project Data							
Project Name	**FMP**	**Project Description:**	**Flood Region**	**Project Type**	**FIUP Project Category**	**Project Watershed**	**Rural Applicant**	**Project Cost**
Danubina Drainage Improvements	063000422	Danubina Drainage Improvements	San Jacinto	Infrastructure	2	Buffalo-San Jacinto	No	$ 18,468,000
City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	063000424	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	San Jacinto	Detention Pond	2	Spring, Buffalo-San Jacinto	No	$ 65,800,000
Houston Kashmere Gardens Area Flood Mitigation	063000434	Houston Kashmere Gardens Area Flood Mitigation	San Jacinto	Infrastructure	2	Buffalo-San Jacinto	No	$ 94,880,000
Rivershire West - Grand Lake Creek Watershed	063000453	Rivershire West - Grand Lake Creek Watershed	San Jacinto	Channel	2	Buffalo-San Jacinto	No	$ 30,000,000
Houston Sunnyside Area Flood Mitigation	063000468	Houston Sunnyside Area Flood Mitigation	San Jacinto	Infrastructure	2	Buffalo-San Jacinto	No	$ 111,282,000

		General Project Data					Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)			
Project Name	Benefit Cost Ratio	Cost per Structure Removed	Pre-Project Level-of-Service	Post-Project Level-of-Service	# of Structures in 1% Annual Chance FP (Pre-Project)	Project Status	Average Flood Depth (100yr)	Notes	Severity Ranking: Pre-Project Average Depth of Flooding (100-year)	Score 1
Danubina Drainage Improvements	0.96	$ 166,378.38	Unknown	Unknown	137	Planning	0.22		Baseline average flood depth<0.5ft	2
City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	0.03	$ 382,558.13	Unknown	Unknown	4952	Planning	1.66		Baseline average flood depth>1ft	6
Houston Kashmere Gardens Area Flood Mitigation	1.09	$ 207,614.88	Unknown	Unknown	1221	Planning	1.44		Baseline average flood depth>1ft	6
Rivershire West - Grand Lake Creek Watershed	0.11	$ 300,000.00	Unknown	Unknown	690	Planning	0.34		Baseline average flood depth<0.5ft	2
Houston Sunnyside Area Flood Mitigation	1.20	$ 78,923.41	Unknown	Unknown	7876	Planning	1.1		Baseline average flood depth>1ft	6

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	Score 2: Severity - Community Need (% Population)	Score 2: Severity - Community Need (% Population)					Score 3: Flood Risk Reduction			
Project Name	**Communities Served by Project**	**Community Population Served**	**Flood Plain Population**	**Notes 2**	**Severity Ranking: Community Need (% Population)**	**Score 2**	**# of Structures Removed from 1% Annual Chance FP**	**Notes 3**	**Flood Risk Reduction**	**Score 3**
Danubina Drainage Improvements	Hedwig Village, Piney Point Village, Bunker Hill Village	34,625	428	1.24%	<25% of project community affected	1	111	81.02%	Reduced risk to >75% of structures in floodplain	10
City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	Houston City, Spring	41,693	16,927	40.60%	25%-50% of project community affected	4	172	3.47%	Reduced risk to <10% of structures in floodplain	1
Houston Kashmere Gardens Area Flood Mitigation	Houston City	79,178	2,985	3.77%	<25% of project community affected	1	457	37.43%	Reduced risk to <50% of structures in floodplain	4
Rivershire West - Grand Lake Creek Watershed	Houston City	2737	1,890	69.05%	50%-75% of project community affected	7	100	14.49%	Reduced risk to <50% of structures in floodplain	4
Houston Sunnyside Area Flood Mitigation	Houston City	77,340	22,844	29.54%	25%-50% of project community affected	4	1410	17.90%	Reduced risk to <50% of structures in floodplain	4

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	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction				Score 6: Life and Safety			
Project Name	**# of Structures with Reduced 1% Annual Chance Flood Risk**	**Pre-Project Damage $**	**Post-Project Damage $**	**Notes 4**	**Flood Damage Reduction**	**Score 4**	**# of Critical Faciliites Removed from 1% Annual Chance FP**	**Notes 5**	**Reduction in Critical Facilities Flood Risk**	**Score 5**	**Adjusted Injury Risk (%)**	**Notes 6**	**Life and Safety Ranking (Injury/Loss of Life)**	**Score 6**
Danubina Drainage Improvements	22	$ 331,884	$ 157,628	52.51%	Flood damage reduction > 50%	6	0	0.00%	Reduced risk for 0 structures in floodplain	0	6.1		Life/injury risk percentage <20%	2
City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	3088	$ 1,055,450,539	$ 934,916,589	11.42%	Flood damage reduction < 25%	2	2	1.06%	Reduced risk for <25% of critical facilities in floodplain	2	35.959		Life/injury risk percentage >30%	6
Houston Kashmere Gardens Area Flood Mitigation	238	$ 239,727,081	$ 235,212,624	1.88%	Flood damage reduction < 25%	2	1	20.00%	Reduced risk for <25% of critical facilities in floodplain	2	32.648		Life/injury risk percentage >30%	6
Rivershire West - Grand Lake Creek Watershed	415	$ 650,903	$ 606,159	6.87%	Flood damage reduction < 25%	2	1	10.00%	Reduced risk for <25% of critical facilities in floodplain	2	10.542		Life/injury risk percentage <20%	2
Houston Sunnyside Area Flood Mitigation	2704	$ 826,119,420	$ 807,491,874	2.25%	Flood damage reduction < 25%	2	20	20.62%	Reduced risk for <25% of critical facilities in floodplain	2	29.64		Life/injury risk percentage >20%	4

	Score 7: Water Supply						Score 8: Social Vulnerability				Score 9: Nature-Based Solution				Score 10: Multiple Benefits	
Project Name	Water Supply Benefit in Acre-Feet	SourceID	WMS_ID	Notes 7	Water Supply Yield Ranking	Score 7	SVI Score	Notes 8	Social Vulnerability Ranking	Score 8	% Nature Based Solution by Cost	Notes 9	Nature-Based Solutions Ranking	Score 9	Multiple Benefits Description	Notes 10
Danubina Drainage Improvements	NA				No impact on water supply	0	0.790		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	0	
City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	NA				No impact on water supply	0	0.236		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	None	
Houston Kashmere Gardens Area Flood Mitigation	NA				No impact on water supply	0	0.890		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	0	
Rivershire West - Grand Lake Creek Watershed	NA				No impact on water supply	0	0.364		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	0	
Houston Sunnyside Area Flood Mitigation	NA				No impact on water supply	0	0.814		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	0	

	Score 10: Multiple Benefits		Score 11: O&M		Score 11: O&M		Score 12: Admin, Regulatory Obstacles		
Project Name	**Multiple Benefit Ranking**	**Score 10**	**O&M Cost (Annual)**	**Notes 11**	**Operations and Maintenance Ranking**	**Score 11**	**Notes 12**	**Administrative, Regulatory and Other Obstacle Ranking**	**Score 12**
Danubina Drainage Improvements	Project does not deliver any wider benefits	0	$ 1,125,000	6.09%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	roadway storm sewer	Project has few administrative, regulatory and implementation limitations / requirements	10
City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	Project does not deliver any wider benefits	0	$ 10,000	0.02%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	multiple entities; large project	Project has a high number of administrative, regulatory and limitations / requirements	2
Houston Kashmere Gardens Area Flood Mitigation	Project does not deliver any wider benefits	0	$ 5,749,000	6.06%	Project will require ongoing operation and maintenance outside of the owner's regular maintenance practices; long-term O&M requirements are undefined; and/or high annual O&M cost > 1% of project (high);	4	multiple entities; large project	Project has a high number of administrative, regulatory and limitations / requirements	2
Rivershire West - Grand Lake Creek Watershed	Project does not deliver any wider benefits	0	$ 1,601,000	5.34%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	expect USACE coordination	Project has a high number of administrative, regulatory and limitations / requirements	2
Houston Sunnyside Area Flood Mitigation	Project does not deliver any wider benefits	0	$ 552,000	0.50%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	multiple entities; large project	Project has a high number of administrative, regulatory and limitations / requirements	2

	Score 13: Enviromental Benefit			Score 14: Environmental Impact			Score 15: Mobility			
Project Name	**Notes 13**	**Environmental Benefit Ranking**	**Score 13**	**Notes 14**	**Environmental Impact Ranking**	**Score 14**	**Traffic Count for LWC Project**	**Notes 15**	**Mobility Ranking**	**Score 15**
Danubina Drainage Improvements		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I		Project will deliver a moderate level of environmental benefits (2-3 categories)	6		Project will have adverse environmental impacts in 2-3 environmental categories	3			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Houston Kashmere Gardens Area Flood Mitigation		Project will deliver a moderate level of environmental benefits (2-3 categories)	6		Project will have adverse environmental impacts in 2-3 environmental categories	3			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Rivershire West - Grand Lake Creek Watershed		Project will deliver a moderate level of environmental benefits (2-3 categories)	6		Project will have adverse environmental impacts in 2-3 environmental categories	3			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Houston Sunnyside Area Flood Mitigation		Project will deliver a moderate level of environmental benefits (2-3 categories)	6		Project will have adverse environmental impacts in 2-3 environmental categories	3			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4

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	General Project Data							
Project Name	**FMP**	**Project Description:**	**Flood Region**	**Project Type**	**FIUP Project Category**	**Project Watershed**	**Rural Applicant**	**Project Cost**
Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)	063000469	Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)	San Jacinto	Detention Pond	2	Buffalo-San Jacinto	No	$ 35,250,000
Halls Bayou Drainage Project Bond C-01	063000470	Halls Bayou Drainage Project Bond C-01	San Jacinto	Comprehensive	2	West Fork San Jacinto	No	$ 22,386,000
Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	063000471	Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	San Jacinto	Comprehensive	2	Buffalo-San Jacinto	No	$ 38,230,000
Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	063000472	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	San Jacinto	Detention Pond	2	Buffalo-San Jacinto	No	$ 11,440,000
Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	063000473	Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	San Jacinto	Detention Pond	2	Buffalo-San Jacinto	No	$ 2,553,000

		General Project Data					Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)			
Project Name	Benefit Cost Ratio	Cost per Structure Removed	Pre-Project Level-of-Service	Post-Project Level-of-Service	# of Structures in 1% Annual Chance FP (Pre-Project)	Project Status	Average Flood Depth (100yr)	Notes	Severity Ranking: Pre-Project Average Depth of Flooding (100-year)	Score 1
Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)	0.49	$ 120,719.18	Unknown	Unknown	13748	Planning	1.22		Baseline average flood depth>1ft	6
Halls Bayou Drainage Project Bond C-01	2.32	$ 33,066.47	Unknown	Unknown	677	Planning	0.84		Baseline average flood depth>0.5ft	4
Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	0.18	$ 503,026.31	Unknown	Unknown	886	Planning	1.16		Baseline average flood depth>1ft	6
Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	0.18	$ 193,898.31	Unknown	Unknown	2339	Planning	0.59		Baseline average flood depth>0.5ft	4
Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	0.05	$ 510,600.00	Unknown	Unknown	54	Planning	0.80		Baseline average flood depth>0.5ft	4

	Score 2: Severity - Community Need (% Population)	Score 2: Severity - Community Need (% Population)					Score 3: Flood Risk Reduction			
Project Name	**Communities Served by Project**	**Community Population Served**	**Flood Plain Population**	**Notes 2**	**Severity Ranking: Community Need (% Population)**	**Score 2**	**# of Structures Removed from 1% Annual Chance FP**	**Notes 3**	**Flood Risk Reduction**	**Score 3**
Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)	Houston City	23330	6,243	26.76%	25%-50% of project community affected	4	292	2.12%	Reduced risk to <10% of structures in floodplain	1
Halls Bayou Drainage Project Bond C-01	Conroe City	3231	1,593	49.30%	25%-50% of project community affected	4	677	100.00%	Reduced risk to >75% of structures in floodplain	10
Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	Houston City	31	4	12.90%	<25% of project community affected	1	76	8.58%	Reduced risk to <10% of structures in floodplain	1
Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	Houston City	81324	8,067	9.92%	<25% of project community affected	1	59	2.52%	Reduced risk to <10% of structures in floodplain	1
Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	Houston City	2,852	356	12.48%	<25% of project community affected	1	5	9.26%	Reduced risk to <10% of structures in floodplain	1

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	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction				Score 6: Life and Safety			
Project Name	**# of Structures with Reduced 1% Annual Chance Flood Risk**	**Pre-Project Damage $**	**Post-Project Damage $**	**Notes 4**	**Flood Damage Reduction**	**Score 4**	**# of Critical Faciliites Removed from 1% Annual Chance FP**	**Notes 5**	**Reduction in Critical Facilities Flood Risk**	**Score 5**	**Adjusted Injury Risk (%)**	**Notes 6**	**Life and Safety Ranking (Injury/Loss of Life)**	**Score 6**
Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)	3731	$ 40,855,492	$ 23,523,236	42.42%	Flood damage reduction > 25%	4	1	1.10%	Reduced risk for <25% of critical facilities in floodplain	2	10.063		Life/injury risk percentage <20%	2
Halls Bayou Drainage Project Bond C-01	0	$ 25,174,785	$ 2,054,814	91.84%	Flood damage reduction > 75%	8	0	0.00%	Reduced risk for 0 structures in floodplain	0	11.43		Life/injury risk percentage <20%	2
Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	276	$ 440,725,187	$ 405,454,185	8.00%	Flood damage reduction < 25%	2	0	0.00%	Reduced risk for 0 structures in floodplain	0	27.79		Life/injury risk percentage >20%	4
Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	928	$ 78,226,950	$ 52,593,648	32.77%	Flood damage reduction > 25%	4	0	0.00%	Reduced risk for 0 structures in floodplain	0	6.06		Life/injury risk percentage <20%	2
Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	22	$ 7,872,875	$ 4,350,775	44.74%	Flood damage reduction > 25%	4	0	0.00%	Reduced risk for 0 structures in floodplain	0	18.22		Life/injury risk percentage <20%	2

	Score 7: Water Supply						Score 8: Social Vulnerability				Score 9: Nature-Based Solution				Score 10: Multiple Benefits	
Project Name	**Water Supply Benefit in Acre-Feet**	**SourceID**	**WMS_ID**	**Notes 7**	**Water Supply Yield Ranking**	**Score 7**	**SVI Score**	**Notes 8**	**Social Vulnerability Ranking**	**Score 8**	**% Nature Based Solution by Cost**	**Notes 9**	**Nature-Based Solutions Ranking**	**Score 9**	**Multiple Benefits Description**	**Notes 10**
Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)	NA				No impact on water supply	0	0.781		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	0	
Halls Bayou Drainage Project Bond C-01	NA				No impact on water supply	0	0.749		SVI between 0.5-0.75 (moderate to high vulnerability)	7	0		<25% of the project cost is nature-based	1	0	
Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	NA				No impact on water supply	0	0.874		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	0	
Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	NA				No impact on water supply	0	0.255		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	0	
Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	NA				No impact on water supply	0	0.195		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	0	

	Score 10: Multiple Benefits		Score 11: O&M		Score 11: O&M		Score 12: Admin, Regulatory Obstacles		
Project Name	**Multiple Benefit Ranking**	**Score 10**	**O&M Cost (Annual)**	**Notes 11**	**Operations and Maintenance Ranking**	**Score 11**	**Notes 12**	**Administrative, Regulatory and Other Obstacle Ranking**	**Score 12**
Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)	Project does not deliver any wider benefits	0	$ 1,784,000	5.06%	Project requires regular, ongoing operation and maintenance; and/or O&M requirements are well defined (Regular);	7	multiple entities; large project	Project has a high number of administrative, regulatory and limitations / requirements	2
Halls Bayou Drainage Project Bond C-01	Project does not deliver any wider benefits	0	$ 711,000	3.18%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	likely coordination with Conroe and MoCo	Project has a typical number of administrative, regulatory and limitations / requirements	6
Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	Project does not deliver any wider benefits	0	$ 1,053,000	2.75%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	not mentioned in memorandum	Project has a typical number of administrative, regulatory and limitations / requirements	6
Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	Project does not deliver any wider benefits	0	$ 694,000	6.07%	Project will require ongoing operation and maintenance outside of the owner's regular maintenance practices; long-term O&M requirements are undefined; and/or high annual O&M cost > 1% of project (high);	4	multiple entities; large project	Project has a high number of administrative, regulatory and limitations / requirements	2
Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	Project does not deliver any wider benefits	0	$ 155,000	6.07%	Project will require ongoing operation and maintenance outside of the owner's regular maintenance practices; long-term O&M requirements are undefined; and/or high annual O&M cost > 1% of project (high);	4	not mentioned in memorandum	Project has a typical number of administrative, regulatory and limitations / requirements	6

	Score 13: Enviromental Benefit			Score 14: Environmental Impact			Score 15: Mobility			
Project Name	**Notes 13**	**Environmental Benefit Ranking**	**Score 13**	**Notes 14**	**Environmental Impact Ranking**	**Score 14**	**Traffic Count for LWC Project**	**Notes 15**	**Mobility Ranking**	**Score 15**
Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)		Project will deliver a moderate level of environmental benefits (2-3 categories)	6		Project will have adverse environmental impacts in 1 environmental category	6			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Halls Bayou Drainage Project Bond C-01		Project will deliver a low level of environmental benefits (1 category)	3		Project will have adverse environmental impacts in 1 environmental category	6			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)		Project will deliver a moderate level of environmental benefits (2-3 categories)	6		Project will have adverse environmental impacts in 2-3 environmental categories	3			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)		Project will deliver a moderate level of environmental benefits (2-3 categories)	6		Project will have adverse environmental impacts in 1 environmental category	6			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)		Project will deliver a moderate level of environmental benefits (2-3 categories)	6		Project will have adverse environmental impacts in 2-3 environmental categories	3			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4

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	General Project Data							
Project Name	**FMP**	**Project Description:**	**Flood Region**	**Project Type**	**FIUP Project Category**	**Project Watershed**	**Rural Applicant**	**Project Cost**
Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)	063000474	Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)	San Jacinto	Comprehensive	2	Buffalo-San Jacinto	No	$ 295,268,000
Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	063000475	Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	San Jacinto	Comprehensive	2	Buffalo-San Jacinto	No	$ 40,780,000
Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)	063000476	Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)	San Jacinto	Detention Pond	2	Buffalo-San Jacinto	No	$ 345,329,984
P118-E006 (Hardy West) (2018 Bond Project C-41)	063000477	P118-E006 (Hardy West) (2018 Bond Project C-41)	San Jacinto	Detention Pond	2	Spring	No	$ 32,053,000
Kilgore Regional Detention Atlas 14 Upgrade	063000480	Kilgore Regional Detention Atlas 14 Upgrade	San Jacinto	Comprehensive	2	North Galveston Bay	No	$ 157,246,000

		General Project Data					Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)			
Project Name	Benefit Cost Ratio	Cost per Structure Removed	Pre-Project Level-of-Service	Post-Project Level-of-Service	# of Structures in 1% Annual Chance FP (Pre-Project)	Project Status	Average Flood Depth (100yr)	Notes	Severity Ranking: Pre-Project Average Depth of Flooding (100-year)	Score 1
Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)	0.54	$ 383,464.94	Unknown	Unknown	18615	Planning	0.6		Baseline average flood depth>0.5ft	4
Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	0.21	$ 10,195,000.00	Unknown	Unknown	642	Planning	1.03		Baseline average flood depth>1ft	6
Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)	0.39	$ 232,076.63	Unknown	Unknown	18530	Planning	1.8		Baseline average flood depth>1ft	6
P118-E006 (Hardy West) (2018 Bond Project C-41)	0.38	$ 525,459.00	Unknown	Unknown	3665	Planning	0.98		Baseline average flood depth>0.5ft	4
Kilgore Regional Detention Atlas 14 Upgrade	0.02	$ 157,246,000.00	10-Year	100-Year	16	Planning	1.82		Baseline average flood depth > 1ft	6

	Score 2: Severity - Community Need (% Population)	Score 2: Severity - Community Need (% Population)					Score 3: Flood Risk Reduction			
Project Name	**Communities Served by Project**	**Community Population Served**	**Flood Plain Population**	**Notes 2**	**Severity Ranking: Community Need (% Population)**	**Score 2**	**# of Structures Removed from 1% Annual Chance FP**	**Notes 3**	**Flood Risk Reduction**	**Score 3**
Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)	Katy, Houston City	452,107	57,612	12.74%	<25% of project community affected	1	770	4.14%	Reduced risk to <10% of structures in floodplain	1
Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	Houston City	6973	1,750	25.10%	25%-50% of project community affected	4	4	0.62%	Reduced risk to <10% of structures in floodplain	1
Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)	Houston City	766,613	36,147	4.72%	<25% of project community affected	1	1488	8.03%	Reduced risk to <10% of structures in floodplain	1
P118-E006 (Hardy West) (2018 Bond Project C-41)	Jersey Village, Waller City, Houston City, Tomball, Spring	70,937	9,997	14.09%	<25% of project community affected	1	61	1.66%	Reduced risk to <10% of structures in floodplain	1
Kilgore Regional Detention Atlas 14 Upgrade	Chambers County;Baytown City	1,329	48	3.61%	<25% of project community affected	1	16	100.00%	Reduced risk to >75% of structures in floodplain	10

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	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction				Score 6: Life and Safety			
Project Name	**# of Structures with Reduced 1% Annual Chance Flood Risk**	**Pre-Project Damage $**	**Post-Project Damage $**	**Notes 4**	**Flood Damage Reduction**	**Score 4**	**# of Critical Faciliites Removed from 1% Annual Chance FP**	**Notes 5**	**Reduction in Critical Facilities Flood Risk**	**Score 5**	**Adjusted Injury Risk (%)**	**Notes 6**	**Life and Safety Ranking (Injury/Loss of Life)**	**Score 6**
Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)	8990	$ 16,365,990	$ 14,292,973	12.67%	Flood damage reduction < 25%	2	0	0.00%	Reduced risk for 0 structures in floodplain	0	12.096		Life/injury risk percentage <20%	2
Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	48	$ 4,445,835	$ 3,710,786	16.53%	Flood damage reduction < 25%	2	0	0.00%	Reduced risk for 0 structures in floodplain	0	12.16		Life/injury risk percentage <20%	2
Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)	6382	$ 269,437,617	$ 263,308,328	2.27%	Flood damage reduction < 25%	2	10	6.94%	Reduced risk for <25% of critical facilities in floodplain	2	54.05		Life/injury risk percentage >50%	10
P118-E006 (Hardy West) (2018 Bond Project C-41)	737	$ 549,243,416	$ 447,568,492	18.51%	Flood damage reduction < 25%	2	0	0.00%	Reduced risk for 0 structures in floodplain	0	20.876		Life/injury risk percentage >20%	4
Kilgore Regional Detention Atlas 14 Upgrade	0	$ 770,000	$ 125,000	83.77%	Flood damage reduction > 75%	8	0	0.00%	Reduced risk for 0 structures in floodplain	0	11.46		Life/injury risk percentage <20%	2

	Score 7: Water Supply						Score 8: Social Vulnerability				Score 9: Nature-Based Solution				Score 10: Multiple Benefits	
Project Name	**Water Supply Benefit in Acre-Feet**	**SourceID**	**WMS_ID**	**Notes 7**	**Water Supply Yield Ranking**	**Score 7**	**SVI Score**	**Notes 8**	**Social Vulnerability Ranking**	**Score 8**	**% Nature Based Solution by Cost**	**Notes 9**	**Nature-Based Solutions Ranking**	**Score 9**	**Multiple Benefits Description**	**Notes 10**
Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)	NA				No impact on water supply	0	0.343		SVI between 0.25-0.5 (low to moderate vulnerability)	4	0		<25% of the project cost is nature-based	1	0	
Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	NA				No impact on water supply	0	0.787		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	0	
Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)	NA				No impact on water supply	0	0.244		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	0	
P118-E006 (Hardy West) (2018 Bond Project C-41)	NA				No impact on water supply	0	0.717		SVI between 0.5-0.75 (moderate to high vulnerability)	7	0		<25% of the project cost is nature-based	1	Potential for recreational benefits	
Kilgore Regional Detention Atlas 14 Upgrade	NA				No impact on water supply	0	0.185		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	None	

	Score 10: Multiple Benefits		Score 11: O&M		Score 11: O&M		Score 12: Admin, Regulatory Obstacles		
Project Name	**Multiple Benefit Ranking**	**Score 10**	**O&M Cost (Annual)**	**Notes 11**	**Operations and Maintenance Ranking**	**Score 11**	**Notes 12**	**Administrative, Regulatory and Other Obstacle Ranking**	**Score 12**
Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)	Project does not deliver any wider benefits	0	$ 583,000	0.20%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	multiple entities including USACE; large project	Project has a high number of administrative, regulatory and limitations / requirements	2
Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	Project does not deliver any wider benefits	0	$ 482,000	1.18%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	multiple entities; large project	Project has a high number of administrative, regulatory and limitations / requirements	2
Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)	Project does not deliver any wider benefits	0	$ 20,922,000	6.06%	Project will require ongoing operation and maintenance outside of the owner's regular maintenance practices; long-term O&M requirements are undefined; and/or high annual O&M cost > 1% of project (high);	4	not mentioned in memorandum	Project has a typical number of administrative, regulatory and limitations / requirements	6
P118-E006 (Hardy West) (2018 Bond Project C-41)	Project does not deliver any wider benefits	0	$ 710,000	2.22%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	multiple entities; large project	Project has a high number of administrative, regulatory and limitations / requirements	2
Kilgore Regional Detention Atlas 14 Upgrade	Project does not deliver any wider benefits	0	$ 9,434,760	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Utility Conflicts, section of Wetlands , Right-of-Way space	Project has a high number of administrative, regulatory and limitations / requirements	2

	Score 13: Enviromental Benefit			Score 14: Environmental Impact			Score 15: Mobility			
Project Name	**Notes 13**	**Environmental Benefit Ranking**	**Score 13**	**Notes 14**	**Environmental Impact Ranking**	**Score 14**	**Traffic Count for LWC Project**	**Notes 15**	**Mobility Ranking**	**Score 15**
Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)		Project will deliver a moderate level of environmental benefits (2-3 categories)	6		Project will have adverse environmental impacts in 1 environmental category	6			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)		Project will deliver a moderate level of environmental benefits (2-3 categories)	6		Project will have adverse environmental impacts in 2-3 environmental categories	3			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)		Project will deliver a moderate level of environmental benefits (2-3 categories)	6		Project will have adverse environmental impacts in 2-3 environmental categories	3			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
P118-E006 (Hardy West) (2018 Bond Project C-41)		Project will deliver a moderate level of environmental benefits (2-3 categories)	6		Project will have adverse environmental impacts in 4+ categories	0			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Kilgore Regional Detention Atlas 14 Upgrade		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4

	General Project Data							
Project Name	**FMP**	**Project Description:**	**Flood Region**	**Project Type**	**FIUP Project Category**	**Project Watershed**	**Rural Applicant**	**Project Cost**
Staples Drive Improvements	063000481	Staples Drive Improvements	San Jacinto	Comprehensive	2	North Galveston Bay	No	$ 4,878,000
Saw Pit Gully Crossing Improvements	063000482	Saw Pit Gully Crossing Improvements	San Jacinto	Comprehensive	2	North Galveston Bay	No	$ 10,904,000
Smith Gully and Barbers Hill Ditch	063000483	Smith Gully and Barbers Hill Ditch	San Jacinto	Channel	2	North Galveston Bay	No	$ 49,467,000

		General Project Data					Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)			
Project Name	Benefit Cost Ratio	Cost per Structure Removed	Pre-Project Level-of-Service	Post-Project Level-of-Service	# of Structures in 1% Annual Chance FP (Pre-Project)	Project Status	Average Flood Depth (100yr)	Notes	Severity Ranking: Pre-Project Average Depth of Flooding (100-year)	Score 1
Staples Drive Improvements	5.26	$ 1,219,500.00	2-Year	10-Year	132	Planning	1.87		Baseline average flood depth > 1ft	6
Saw Pit Gully Crossing Improvements	0.37	$ 605,777.75	2-Year	100-Year	77	Planning	4.29		Baseline average flood depth > 3.5ft	10
Smith Gully and Barbers Hill Ditch	0.05	$ 9,893,400.00	2-Year	100-Year	1544	Planning	1.86		Baseline average flood depth > 1ft	6

	Score 2: Severity - Community Need (% Population)	Score 2: Severity - Community Need (% Population)					Score 3: Flood Risk Reduction			
Project Name	**Communities Served by Project**	**Community Population Served**	**Flood Plain Population**	**Notes 2**	**Severity Ranking: Community Need (% Population)**	**Score 2**	**# of Structures Removed from 1% Annual Chance FP**	**Notes 3**	**Flood Risk Reduction**	**Score 3**
Staples Drive Improvements	Chambers County;Baytown City	405	360	88.89%	>75% of project community affected (by population)	10	19	14.39%	Reduced risk to <10% of structures in floodplain	1
Saw Pit Gully Crossing Improvements	Chambers County;Baytown City	474	171	36.08%	25%-50% of project community affected	4	28	36.36%	Reduced risk to <10% of structures in floodplain	1
Smith Gully and Barbers Hill Ditch	Chambers County;Dayton City, Baytown City, Mont Belvieu City	11,057	2,274	20.57%	<25% of project community affected	1	30	1.94%	Reduced risk to <10% of structures in floodplain	1

	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction				Score 6: Life and Safety			
Project Name	# of Structures with Reduced 1% Annual Chance Flood Risk	Pre-Project Damage $	Post-Project Damage $	Notes 4	Flood Damage Reduction	Score 4	# of Critical Faciliites Removed from 1% Annual Chance FP	Notes 5	Reduction in Critical Facilities Flood Risk	Score 5	Adjusted Injury Risk (%)	Notes 6	Life and Safety Ranking (Injury/Loss of Life)	Score 6
Staples Drive Improvements	66	$ 14,749,000	$ 11,265,000	23.62%	Flood damage reduction < 25%	2	0	0.00%	Reduced risk for 0 structures in floodplain	0	11.61		Life/injury risk percentage <20%	2
Saw Pit Gully Crossing Improvements	42	$ 4,090,000	$ 2,494,000	39.02%	Flood damage reduction > 25%	4	0	0.00%	Reduced risk for 0 structures in floodplain	0	18.87		Life/injury risk percentage <20%	2
Smith Gully and Barbers Hill Ditch	166	$ 156,869,000	$ 154,254,000	1.67%	Flood damage reduction < 25%	2	4	2.60%	Reduced risk for <25% of critical facilities in floodplain	2	11.58		Life/injury risk percentage <20%	2

	Score 7: Water Supply						Score 8: Social Vulnerability				Score 9: Nature-Based Solution				Score 10: Multiple Benefits	
Project Name	Water Supply Benefit in Acre-Feet	SourceID	WMS_ID	Notes 7	Water Supply Yield Ranking	Score 7	SVI Score	Notes 8	Social Vulnerability Ranking	Score 8	% Nature Based Solution by Cost	Notes 9	Nature-Based Solutions Ranking	Score 9	Multiple Benefits Description	Notes 10
Staples Drive Improvements	NA				No impact on water supply	0	0.185		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	None	
Saw Pit Gully Crossing Improvements	NA				No impact on water supply	0	0.185		SVI between 0.01-0.25 (low vulnerability)	1	0		<25% of the project cost is nature-based	1	None	
Smith Gully and Barbers Hill Ditch	NA				No impact on water supply	0	0.544		SVI between 0.5-0.75 (moderate to high vulnerability)	7	0		<25% of the project cost is nature-based	1	None	

	Score 10: Multiple Benefits		Score 11: O&M		Score 11: O&M		Score 12: Admin, Regulatory Obstacles		
Project Name	**Multiple Benefit Ranking**	**Score 10**	**O&M Cost (Annual)**	**Notes 11**	**Operations and Maintenance Ranking**	**Score 11**	**Notes 12**	**Administrative, Regulatory and Other Obstacle Ranking**	**Score 12**
Staples Drive Improvements	Project does not deliver any wider benefits	0	$ 292,680	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Utility Conflicts, section of Wetlands , Right-of-Way space	Project has a high number of administrative, regulatory and limitations / requirements	2
Saw Pit Gully Crossing Improvements	Project does not deliver any wider benefits	0	$ 654,240	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Overhead power lines, Right-of-way	Project has a high number of administrative, regulatory and limitations / requirements	2
Smith Gully and Barbers Hill Ditch	Project does not deliver any wider benefits	0	$ 2,968,020	6.00%	Project will require extensive and/or specialist operations and maintenance; project O&M needs are uncertain; and/or high annual O&M cost > 5% of project (extensive);	1	Land aquisition, wetland areas, utility conflicts	Project has a high number of administrative, regulatory and limitations / requirements	2

	Score 13: Enviromental Benefit			Score 14: Environmental Impact			Score 15: Mobility			
Project Name	**Notes 13**	**Environmental Benefit Ranking**	**Score 13**	**Notes 14**	**Environmental Impact Ranking**	**Score 14**	**Traffic Count for LWC Project**	**Notes 15**	**Mobility Ranking**	**Score 15**
Staples Drive Improvements		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Saw Pit Gully Crossing Improvements		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
Smith Gully and Barbers Hill Ditch		Project does not provide any environmental benefits	0		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4

Appendix 9-2:

Table 19- Funding Survey Results

Appendix 9-2: Survey Results Table

RFPG Number	Sponsor Entity Name	FMS or FMP or FME	FMS or FMP or FME - Name	Regional plan's unique FMS/FMP/FME identification number	Target year of full implementation	Estimated costs in plan			Estimated percent (share) of total FMS, FMP, or FME				Survey Response Received?
									Sponsor Funding		Other Funding Needed (including state, federal and/ or other funding)	Total (auto) sum must = 100%	
						Non-construction costs	Construction-related costs	Total estimated cost	ANTICIPATED SOURCE of Sponsor funding (e.g., taxes; general revenue; dedicated revenue incl. fees)	FUNDING TO BE FINANCED BY SPONSOR (including local, county, or regional mechanisms available but not yet fully utilized)			
06	Alvin	FME	Durant Street Storm Sewer and Pavement Improvements - Phase 1	061000001	-	$110,000.00	$0.00	$110,000.00	Bonds/Other Financing	100%	0%	100%	YES
06	Alvin	FME	Durant Street Storm Sewer and Pavement Improvements - Phase 2	061000002	-	$90,000.00	$0.00	$90,000.00	Bonds/Other Financing	100%	0%	100%	YES
06	Arcola	FME	City of Arcola Regional Drainage Improvements	061000003	-	$233,000.00	$0.00	$233,000.00	N/A	0%	100%	100%	NO
06	Stafford	FME	Missouri City Estates Drainage Improvements	061000005	-	$100,000.00	$0.00	$100,000.00	N/A	0%	100%	100%	NO
06	City of Galveston	FME	City of Galveston Master Drainage Study	061000011	-	$1,000,000.00	$0.00	$1,000,000.00	N/A	0%	100%	100%	NO
06	Bellaire	FME	City of Bellaire Local Drainage System Asset Management	061000013	-	$300,000.00	$0.00	$300,000.00	Bonds/Other Financing	25%	75%	100%	YES
06	Bellaire	FME	City of Bellaire Regional Detention Facilities Development	061000014	-	$1,000,000.00	$0.00	$1,000,000.00	Bonds/Other Financing	25%	75%	100%	YES
06	Bellaire	FME	City of Bellaire Cypress Ditch Drainage Improvements	061000015	-	$1,000,000.00	$0.00	$1,000,000.00	Bonds/Other Financing	25%	75%	100%	YES
06	Bunker Hill Village	FME	City of Bunker Hill Drainage Projects	061000016	-	$100,000.00	$0.00	$100,000.00	N/A	0%	100%	100%	NO
06	Bunker Hill Village	FME	City of Bunker Hill Master Drainage and Stormwater Management Plan	061000017	-	$170,000.00	$0.00	$170,000.00	N/A	0%	100%	100%	NO
06	League City	FME	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Dickinson Bayou Alternative 2	061000022	-	$1,090,000.00	$0.00	$1,090,000.00	N/A	0%	100%	100%	YES

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									Sponsor Funding		Other Funding Needed (including state, federal and/ or other funding)	Total (auto) sum must = 100%	
						Non-construction costs	Construction-related costs	Total estimated cost	ANTICIPATED SOURCE of Sponsor funding (e.g., taxes; general revenue; dedicated revenue incl. fees)	FUNDING TO BE FINANCED BY SPONSOR (including local, county, or regional mechanisms available but not yet fully utilized)			
06	Harris	FME	Williamsburg Subdivision Drainage Assessment	061000024	-	$1,260,000.00	$0.00	$1,260,000.00	N/A	0%	100%	100%	YES
06	Harris	FME	Preliminary Drainage & Infrastructure Improvements Happy Hide A Way Subdivison	061000025	-	$110,000.00	$0.00	$110,000.00	N/A	0%	100%	100%	YES
06	Harris	FME	Bridgewater Village & Enclave at Bridgewater Drainage Analysis	061000026	-	$750,000.00	$0.00	$750,000.00	N/A	0%	100%	100%	YES
06	Harris	FME	Lake Shadows Subdivision Drainage Improvements	061000027	-	$280,000.00	$0.00	$280,000.00	N/A	0%	100%	100%	YES
06	Harris	FME	Gum Gully Rd, W Stroker Rd, Wigwam Ln, and Related Infrastructure Drainage Improvements	061000028	-	$130,000.00	$0.00	$130,000.00	N/A	0%	100%	100%	YES
06	Harris	FME	Spanish Cove Subdivision Drainage Assessment	061000029	-	$150,000.00	$0.00	$150,000.00	N/A	0%	100%	100%	YES
06	Shoreacres	FME	Shoreacres Drainage Assessment	061000031	-	$100,000.00	$0.00	$100,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FME	Overflow Flooding between Burlington Northern RR and Huffsmith-Kohrville Rd	061000032	-	$590,000.00	$0.00	$590,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Galveston Bay Watershed Plan - Analysis of PA07 100-year Conveyance Project	061000034	-	$400,000.00	$0.00	$400,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Galveston Bay Watershed Plan - Analysis of PA08 100-year Conveyance Project	061000035	-	$800,000.00	$0.00	$800,000.00	N/A	0%	100%	100%	YES

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06	Alvin	FME	City of Alvin Flood Gauges	061000037	-	$50,000.00	$0.00	$50,000.00	Other	50%	50%	100%	YES
06	Brazoria	FME	Brazoria County Costal River Flood Extent Analysis	061000038	-	$50,000.00	$0.00	$50,000.00	N/A	0%	100%	100%	NO
06	Alvin	FME	City of Alvin Master Drainage Plan	061000039	-	$100,000.00	$0.00	$100,000.00	Entity/ Budget Funds	50%	50%	100%	YES
06	Alvin	FME	City of Alvin Open Space Preservation	061000040	-	$500,000.00	$0.00	$500,000.00	Other	0%	100%	100%	YES
06	Manvel	FME	City of Manvel SH. 6 Drainage Improvements	061000041	-	$3,000,000.00	$0.00	$3,000,000.00	N/A	0%	100%	100%	NO
06	Chambers	FME	Chambers County Dam and Levee Failure Inundation Map Update	061000042	-	$25,000.00	$0.00	$25,000.00	N/A	0%	100%	100%	NO
06	Alvin	FME	City of Alvin Detention Pond Construction - Mustang and Dickinson Bayou	061000043	-	$200,000.00	$0.00	$200,000.00	Entity/ Budget Funds	25%	75%	100%	YES
06	Chambers	FME	Chambers County Property Protection	061000044	-	$500,000.00	$0.00	$500,000.00	N/A	0%	100%	100%	NO
06	Manvel	FME	City of Manvel Flora St. Drainage Improvements	061000045	-	$100,000.00	$0.00	$100,000.00	N/A	0%	100%	100%	NO
06	Brazoria	FME	Brazoria County Drainage Improvements	061000046	-	$350,000.00	$0.00	$350,000.00	N/A	0%	100%	100%	NO
06	Manvel	FME	City of Manvel Various Drainage Improvements	061000047	-	$460,000.00	$0.00	$460,000.00	N/A	0%	100%	100%	NO
06	Brazoria	FME	Brazoria County Property Protection	061000048	-	$500,000.00	$0.00	$500,000.00	N/A	0%	100%	100%	NO
06	Hillcrest Village	FME	City of Hillcrest Village Drainage Improvements	061000049	-	$130,000.00	$0.00	$130,000.00	N/A	0%	100%	100%	NO

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06	Brazoria Drainage District 4	FME	West Chocolate Bayou (CR 383 Ditch)	061000050	-	$253,000.00	$0.00	$253,000.00	N/A	0%	100%	100%	YES
06	Brazoria Drainage District 4	FME	West Fork Chocolate (Cold River Ranch Ditch)	061000051	-	$200,000.00	$0.00	$200,000.00	N/A	0%	100%	100%	YES
06	Brazoria Drainage District 4	FME	West Fork Chocolate Bayou	061000052	-	$2,072,000.00	$0.00	$2,072,000.00	N/A	0%	100%	100%	YES
06	Brazoria Drainage District 4	FME	East Chocolate Bayou (E103-00-00)	061000053	-	$48,000.00	$0.00	$48,000.00	N/A	0%	100%	100%	YES
06	Brazoria Drainage District 4	FME	Cannon Ditch Segment 2	061000054	-	$932,000.00	$0.00	$932,000.00	N/A	0%	100%	100%	YES
06	Galveston	FME	City of Galveston Coastal Road Elevation	061000055	-	$1,000,000.00	$0.00	$1,000,000.00	N/A	0%	100%	100%	NO
06	Pearland	FME	Hickory Slough (Upper Segment)	061000057	-	$1,136,000.00	$0.00	$1,136,000.00	Other	0%	100%	100%	YES
06	Manvel	FME	City of Manvel Gates Loop Subdivision Drainage Improvement	061000059	-	$100,000.00	$0.00	$100,000.00	N/A	0%	100%	100%	NO
06	Pearland	FME	Hickory Slough Middle Segment	061000060	-	$864,000.00	$0.00	$864,000.00	Other	0%	100%	100%	YES
06	Brazoria Drainage District 4	FME	Mustang Bayou Middle Segment	061000064	-	$1,212,000.00	$0.00	$1,212,000.00	N/A	0%	100%	100%	YES
06	Pearland	FME	Hickory Slough Lower Segment	061000065	-	$1,048,000.00	$0.00	$1,048,000.00	Other	0%	100%	100%	YES
06	Brazoria Drainage District 4	FME	Mustang Bayou Upper Segment	061000066	-	$2,040,000.00	$0.00	$2,040,000.00	N/A	0%	100%	100%	YES
06	Alvin	FME	City of Alvin Dickinson Bayou Watershed Study	061000067	-	$500,000.00	$0.00	$500,000.00	Entity/ Budget Funds	25%	75%	100%	YES
06	Galveston	FME	City of Galveston Shoreline Protection	061000069	-	$50,000.00	$0.00	$50,000.00	N/A	0%	100%	100%	NO

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						Non-construction costs	Construction-related costs	Total estimated cost	ANTICIPATED SOURCE of Sponsor funding (e.g., taxes; general revenue; dedicated revenue incl. fees)	FUNDING TO BE FINANCED BY SPONSOR (including local, county, or regional mechanisms available but not yet fully utilized)			
06	Pearland	FME	Cowart Creek Segment 16	061000070	-	$40,000.00	$0.00	$40,000.00	Other	0%	100%	100%	YES
06	Galveston	FME	City of Galveston Dune Restoration	061000071	-	$1,000,000.00	$0.00	$1,000,000.00	N/A	0%	100%	100%	NO
06	Hillcrest Village	FME	City of Hillcrest Village Engineering Survey	061000072	-	$300,000.00	$0.00	$300,000.00	N/A	0%	100%	100%	NO
06	Chambers	FME	Dredging Cedar Bayou	061000076	-	$7,070,000.00	$0.00	$7,070,000.00	N/A	0%	100%	100%	NO
06	Brazoria	FME	Dam and Levee Failure Inundation Map Update	061000078	-	$2,200,000.00	$0.00	$2,200,000.00	N/A	0%	100%	100%	NO
06	Tiki Island	FME	Replace the Tiki Drive bridge with improved, hardened bridge to withstand storm surge and debris.	061000080	-	$220,000.00	$0.00	$220,000.00	N/A	0%	100%	100%	NO
06	Waller	FME	Stream and River Flood Program	061000082	-	$20,000.00	$0.00	$20,000.00	General Revenue	50%	50%	100%	YES
06	Liberty	FME	Liberty County Drainage Projects	061000083	-	$2,000,000.00	$0.00	$2,000,000.00	N/A	0%	100%	100%	NO
06	Bayou Vista	FME	City of Bayou Vista Master Drainage Plan	061000084	-	$130,000.00	$0.00	$130,000.00	N/A	0%	100%	100%	NO
06	Waller	FME	Cane Island Branch- Alt 2	061000085	-	$3,270,000.00	$0.00	$3,270,000.00	General Revenue	10%	90%	100%	YES
06	New Waverly	FME	Property Protection, Structural Project	061000086	-	$2,500,000.00	$0.00	$2,500,000.00	N/A	0%	100%	100%	NO
06	La Marque	FME	City of La Maque - East Side Storm water detention	061000087	-	$360,000.00	$0.00	$360,000.00	N/A	0%	100%	100%	NO
06	League City	FME	City of League City - Kansas Street Drainage	061000088	-	$580,000.00	$0.00	$580,000.00	N/A	0%	100%	100%	YES
06	Friendswood	FME	Update City of Friendswood Storm Surge Maps to Reflect the NWS Predictions	061000089	-	$140,000.00	$0.00	$140,000.00	N/A	0%	100%	100%	YES

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06	Santa Fe	FME	City of Sante Fe - Storm Water Detention & Widening Drainage System and Cuvlerts Study	061000094	-	$300,000.00	$0.00	$300,000.00	N/A	0%	100%	100%	NO
06	League City	FME	League City - Stormwater Drainage Improvement- Interurban & Newport ditch	061000097	-	$50,000.00	$0.00	$50,000.00	N/A	0%	100%	100%	YES
06	Galveston	FME	Study of Texas City Hurricane Flood Protection Project	061000098	-	$1,590,000.00	$0.00	$1,590,000.00	N/A	0%	100%	100%	NO
06	Plum Grove	FME	Raise Road Surfaces in City of Plum Grove	061000102	-	$35,000.00	$0.00	$35,000.00	N/A	0%	100%	100%	NO
06	League City	FME	Highland Terrace Drainage	061000103	-	$190,000.00	$0.00	$190,000.00	N/A	0%	100%	100%	YES
06	Friendswood	FME	Sunmeadow Drainage Improvements Phase 2	061000104	-	$160,000.00	$0.00	$160,000.00	N/A	0%	100%	100%	YES
06	Galveston	FME	Storm water detention ponds & Widening of drainage systems feasibility study	061000107	-	$11,000,000.00	$0.00	$11,000,000.00	N/A	0%	100%	100%	NO
06	League City	FME	Stormwater Drainage Improvement- Nottingham ditch	061000115	-	$50,000.00	$0.00	$50,000.00	N/A	0%	100%	100%	YES
06	New Waverly	FME	Remedy Data Deficiency in City of New Waverly	061000116	-	$100,000.00	$0.00	$100,000.00	N/A	0%	100%	100%	NO
06	Bayou Vista	FME	City of Bayou Vista - Drainage Improvement Program	061000117	-	$100,000.00	$0.00	$100,000.00	N/A	0%	100%	100%	NO
06	League City	FME	Stormwater Drainage Improvement- Bradshaw Rd	061000118	-	$50,000.00	$0.00	$50,000.00	N/A	0%	100%	100%	YES
06	League City	FME	Shellside Drainage Improvements	061000119	-	$580,000.00	$0.00	$580,000.00	N/A	0%	100%	100%	YES

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06	Grimes	FME	Evaluation of Culvert Enlargement and Bridge Elevation in Grimes County	061000120	-	$750,000.00	$0.00	$750,000.00	N/A	0%	100%	100%	NO
06	Kemah	FME	Widen Drainage Systems and Culverts in City of Kemah	061000121	-	$100,000.00	$0.00	$100,000.00	N/A	0%	100%	100%	NO
06	Clear Lake Shores	FME	Widen Drainage Systems and Culverts in City of Clear Lake Shores	061000122	-	$100,000.00	$0.00	$100,000.00	N/A	0%	100%	100%	NO
06	Arcola	FME	Replace Existing Culverts in City of Arcola	061000124	-	$200,000.00	$0.00	$200,000.00	N/A	0%	100%	100%	NO
06	Liberty	FME	Update Liberty County Floodplain Maps	061000125	-	$1,243,000.00	$0.00	$1,243,000.00	N/A	0%	100%	100%	NO
06	Waller	FME	Waller County Flood Damage Prevention Planning	061000129	-	$1,160,000.00	$0.00	$1,160,000.00	General Revenue	25%	75%	100%	YES
06	Walker	FME	Hostetter and Gourd Creek Bridges Elevation Evaluation	061000130	-	$130,000.00	$0.00	$130,000.00	N/A	0%	100%	100%	NO
06	Kemah	FME	Implemention Study of Storm Sewer System Re-engineering in City of Kemah	061000131	-	$190,000.00	$0.00	$190,000.00	N/A	0%	100%	100%	NO
06	Galveston County	FME	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	061000134	-	$1,590,000.00	$0.00	$1,590,000.00	N/A	0%	100%	100%	NO
06	Liberty	FME	Recanalization Feasibility Study	061000135	-	$486,000.00	$0.00	$486,000.00	N/A	0%	100%	100%	NO
06	North Cleveland	FME	Elevate Existing Bridge - East Fork San Jacinto River	061000140	-	$1,000,000.00	$0.00	$1,000,000.00	N/A	0%	100%	100%	NO

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06	Walker	FME	Southwood Forest Subdivision and Forgotten Forest Subdivision Evaluation	061000141	-	$110,000.00	$0.00	$110,000.00	N/A	0%	100%	100%	NO
06	Friendswood	FME	Shadowbend Drainage Improvements Phase 2	061000142	-	$950,000.00	$0.00	$950,000.00	Entity/ Budget Funds	0%	100%	100%	YES
06	Todd Mission	FME	City of Todd Mission Reduction of Floodplain Area Roads and Drainage Upgrade	061000143	-	$220,000.00	$0.00	$220,000.00	N/A	0%	100%	100%	NO
06	Jamaica Beach	FME	Jamica Cove Rd. Survey	061000145	-	$140,000.00	$0.00	$140,000.00	N/A	0%	100%	100%	NO
06	La Marque	FME	Implement Drainage Improvements in City of La Marque	061000147	-	$360,000.00	$0.00	$360,000.00	N/A	0%	100%	100%	NO
06	Liberty	FME	Liberty County Culvert Replacement Project	061000148	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	La Marque	FME	Evaluatin of Increase Height of Existing Levee Wall System in City of La Marque	061000149	-	$810,000.00	$0.00	$810,000.00	N/A	0%	100%	100%	NO
06	Arcola	FME	Evaluation of Reinforcement of Critical Facilities in the City of Arcola	061000150	-	$200,000.00	$0.00	$200,000.00	N/A	0%	100%	100%	NO
06	Galveston	FME	Evaluation of Mitigation Alternatives for Repetietive Flood Claims Properties in Galveston County	061000151	-	$11,000,000.00	$0.00	$11,000,000.00	N/A	0%	100%	100%	NO
06	Waller	FME	Cane Island Branch- Alt 1	061000152	-	$180,000.00	$0.00	$180,000.00	General Revenue	25%	75%	100%	YES
06	Cleveland	FME	Downtown Cleveland Drainage Line Installation	061000153	-	$50,000.00	$0.00	$50,000.00	N/A	0%	100%	100%	NO
06	Walker	FME	Flood Gates Evaluation at Walker County Annex #2	061000156	-	$20,000.00	$0.00	$20,000.00	N/A	0%	100%	100%	NO

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06	Bayou Vista	FME	City of Bayou Vista Canal Dredging Study	061000158	-	$130,000.00	$0.00	$130,000.00	N/A	0%	100%	100%	NO
06	Liberty	FME	Liberty County Regional Flood Drainage Plan	061000160	-	$486,000.00	$0.00	$486,000.00	N/A	0%	100%	100%	NO
06	North Cleveland	FME	City of North Cleveland Engineering Study	061000161	-	$400,000.00	$0.00	$400,000.00	N/A	0%	100%	100%	NO
06	North Cleveland	FME	Elevation of Bridge Road in City of North Cleveland	061000162	-	$120,000.00	$0.00	$120,000.00	N/A	0%	100%	100%	NO
06	Galveston	FME	Galveston County Drainage System Improvement Study	061000163	-	$1,590,000.00	$0.00	$1,590,000.00	N/A	0%	100%	100%	NO
06	Santa Fe	FME	Storm Water Detention Ponds Evalution in the City of Santa Fe	061000164	-	$380,000.00	$0.00	$380,000.00	N/A	0%	100%	100%	NO
06	Santa Fe	FME	Drainage System Analysis for City of Santa Fe	061000165	-	$300,000.00	$0.00	$300,000.00	N/A	0%	100%	100%	NO
06	Stafford	FME	City of Stafford Run Creek Detention Pond Construction	061000166	-	$300,000.00	$0.00	$300,000.00	N/A	0%	100%	100%	NO
06	Cleveland	FME	City of Cleveland Drainage Improvements	061000167	-	$410,000.00	$0.00	$410,000.00	N/A	0%	100%	100%	NO
06	Montgomery	FME	San Jacinto Watershed and Tributary Barrier and Flood Mitigation - East County Project	061000168	-	$1,160,000.00	$0.00	$1,160,000.00	N/A	0%	100%	100%	NO
06	Montgomery	FME	San Jacinto Watershed and Tributary Barrier and Flood Mitigation - West County Project	061000169	-	$1,110,000.00	$0.00	$1,110,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FME	Spring Gully Watershed Planning Project Near-term Planning Project: PA03	061000170	-	$600,000.00	$0.00	$600,000.00	N/A	0%	100%	100%	YES

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06	Harris County Flood Control District	FME	Spring Gully Watershed Planning Project Near-term Planning Project: PA04	061000171	-	$210,000.00	$0.00	$210,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Spring Gully Watershed Planning Project Near-term Planning Project: PA05	061000172	-	$250,000.00	$0.00	$250,000.00	N/A	0%	100%	100%	YES
06	Liberty	FME	Update Liberty County FIRMs to Include Bench Marks	061000173	-	$50,000.00	$0.00	$50,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FME	Carpenters Planning Study N110-00-00 Diversion to P103-00/P103-03	061000174	-	$1,200,000.00	$0.00	$1,200,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Solutions for Advancing Flood Mitigation, Equity, and Resilience	061000175	-	$30,000,000.00	$0.00	$30,000,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Lower Greens Bayou Watershed Study	061000176	-	$1,000,000.00	$0.00	$1,000,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Addicks Reservoir Watershed Study	061000177	-	$670,000.00	$0.00	$670,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Barker Reservoir Watershed Study	061000178	-	$620,000.00	$0.00	$620,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Buffalo Bayou Watershed Study	061000179	-	$500,000.00	$0.00	$500,000.00	N/A	0%	100%	100%	YES

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06	Harris County Flood Control District	FME	Brays Bayou Watershed Study	061000180	-	$620,000.00	$0.00	$620,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Cypress Creek Watershed Study	061000181	-	$1,230,000.00	$0.00	$1,230,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Hunting Bayou Watershed Study	061000182	-	$500,000.00	$0.00	$500,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Sims Bayou Watershed Study	061000183	-	$470,000.00	$0.00	$470,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	White Oak Bayou Watershed Study	061000184	-	$800,000.00	$0.00	$800,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Upper Greens Bayou Watershed Study	061000185	-	$980,000.00	$0.00	$980,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Brays Bayou - Poor Farm Ditch	061000186	-	$690,000.00	$0.00	$690,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Brays Bayou Restore Channel Conveyance Capacity Along D115-00-00	061000187	-	$1,020,000.00	$0.00	$1,020,000.00	N/A	0%	100%	100%	YES

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06	Harris County Flood Control District	FME	Brays Bayou - Partnership Project with Fort Bend County on Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along Clodine Ditch	061000188	-	$1,020,000.00	$0.00	$1,020,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Spring Creek - Construction of a Reservoir along Spring Creek	061000191	-	$870,000.00	$0.00	$870,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	White Oak Bayou - Turkey Gully E106-00-00	061000194	-	$1,330,000.00	$0.00	$1,330,000.00	N/A	0%	100%	100%	YES
06	Houston	FME	White Oak Bayou - General Drainage Improvements along E105-00-00	061000196	-	$120,000.00	$0.00	$120,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FME	Investigation of COH Properties for Conversion to Stormwater Det. Basins	061000197	-	$500,000.00	$0.00	$500,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Little Cypress Creek - L109-00-00	061000201	-	$200,000.00	$0.00	$200,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Little Cypress Creek - L113-00-00	061000202	-	$300,000.00	$0.00	$300,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Little Cypress Creek - L103-00-00	061000203	-	$150,000.00	$0.00	$150,000.00	N/A	0%	100%	100%	YES

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06	Harris County Flood Control District	FME	Greens Bayou - P130-05-02	061000204	-	$150,000.00	$0.00	$150,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Greens Bayou - P142-00-00	061000205	-	$250,000.00	$0.00	$250,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	San Jacinto River - G103-46-00	061000207	-	$200,000.00	$0.00	$200,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	San Jacinto River - G103-33-04	061000208	-	$200,000.00	$0.00	$200,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	San Jacinto River - G103-36-00	061000209	-	$750,000.00	$0.00	$750,000.00	N/A	0%	100%	100%	YES
06	Conroe	FME	City of Conroe Riverine Study and Mapping Improvements	061000213	-	$500,000.00	$0.00	$500,000.00	N/A	0%	100%	100%	NO
06	Conroe	FME	April Sound Subdivision Evaluation	061000214	-	$1,700,000.00	$0.00	$1,700,000.00	N/A	0%	100%	100%	NO
06	Conroe	FME	City of Conroe Downtown Master Drainage Plan	061000215	-	$750,000.00	$0.00	$750,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FME	Greens Bayou - P103-00-00	061000216	-	$300,000.00	$0.00	$300,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Barker - T101-00-00	061000217	-	$500,000.00	$0.00	$500,000.00	N/A	0%	100%	100%	YES

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06	Harris County Flood Control District	FME	Barker - T103-00-00	061000218	-	$300,000.00	$0.00	$300,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Buffalo Bayou - W158-00-00	061000219	-	$200,000.00	$0.00	$200,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Buffalo Bayou - W130-00-00	061000220	-	$100,000.00	$0.00	$100,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Buffalo Bayou - W163-00-00	061000221	-	$200,000.00	$0.00	$200,000.00	N/A	0%	100%	100%	YES
06	Arcola	FME	City of Arcola Master Drainage Plan	061000222	-	$200,000.00	$0.00	$200,000.00	N/A	0%	100%	100%	NO
06	Baytown	FME	City of Baytown Master Drainage Plan	061000223	-	$520,000.00	$0.00	$520,000.00	N/A	0%	100%	100%	NO
06	Beach City	FME	City of Beach City Master Drainage Plan	061000224	-	$240,000.00	$0.00	$240,000.00	N/A	0%	100%	100%	NO
06	Bellaire	FME	City of Bellaire Master Drainage Plan	061000225	-	$1,500,000.00	$0.00	$1,500,000.00	Bonds/Other Financing	25%	75%	100%	YES
06	Brookside Village	FME	City of Brookside Village Master Drainage Plan	061000226	-	$190,000.00	$0.00	$190,000.00	N/A	0%	100%	100%	NO
06	Bunker Hill Village	FME	City of Bunker Hill Village Master Drainage Plan	061000227	-	$170,000.00	$0.00	$170,000.00	N/A	0%	100%	100%	NO
06	Clear Lake Shores	FME	City of Clear Lake Shores Master Drainage Plan	061000228	-	$140,000.00	$0.00	$140,000.00	N/A	0%	100%	100%	NO
06	Cleveland	FME	City of Cleveland Master Drainage Plan	061000229	-	$400,000.00	$0.00	$400,000.00	N/A	0%	100%	100%	NO
06	Coldspring	FME	City of Coldspring Master Drainage Plan	061000230	-	$180,000.00	$0.00	$180,000.00	N/A	0%	100%	100%	NO

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06	Cut and Shoot	FME	City of Cut and Shoot Master Drainage Plan	061000232	-	$210,000.00	$0.00	$210,000.00	N/A	0%	100%	100%	NO
06	Dayton	FME	City of Dayton Master Drainage Plan	061000233	-	$108,000.00	$0.00	$108,000.00	N/A	0%	100%	100%	NO
06	Deer Park	FME	City of Deer Park Master Drainage Plan	061000234	-	$320,000.00	$0.00	$320,000.00	N/A	0%	100%	100%	NO
06	Dickinson	FME	City of Dickinson Master Drainage Plan	061000235	-	$320,000.00	$0.00	$320,000.00	N/A	0%	100%	100%	NO
06	El Lago	FME	City of El Lago Master Drainage Plan	061000236	-	$140,000.00	$0.00	$140,000.00	N/A	0%	100%	100%	NO
06	Friendswood	FME	City of Friendswood Master Drainage Plan	061000237	-	$750,000.00	$0.00	$750,000.00	N/A	0%	100%	100%	YES
06	Fulshear	FME	City of Fulshear Master Drainage Plan	061000238	-	$340,000.00	$0.00	$340,000.00	N/A	0%	100%	100%	NO
06	Galena Park	FME	City of Galena Park Master Drainage Plan	061000239	-	$250,000.00	$0.00	$250,000.00	N/A	0%	100%	100%	NO
06	Hedwig Village	FME	City of Hedwig Village Master Drainage Plan	061000241	-	$150,000.00	$0.00	$150,000.00	N/A	0%	100%	100%	NO
06	Hillcrest Village	FME	City of Hillcrest Master Drainage Plan	061000242	-	$130,000.00	$0.00	$130,000.00	N/A	0%	100%	100%	NO
06	Hilshire Village	FME	City of Hilshire Village Master Drainage Plan	061000243	-	$110,000.00	$0.00	$110,000.00	N/A	0%	100%	100%	NO
06	Hitchcock	FME	City of Hitchcock Master Drainage Plan	061000244	-	$720,000.00	$0.00	$720,000.00	N/A	0%	100%	100%	NO
06	Humble	FME	City of Humble Master Drainage Plan	061000246	-	$320,000.00	$0.00	$320,000.00	N/A	0%	100%	100%	NO
06	Hunters Creek Village	FME	City of Hunters Creek Village Master Drainage Plan	061000247	-	$190,000.00	$0.00	$190,000.00	N/A	0%	100%	100%	NO
06	Huntsville	FME	City of Huntsville Master Drainage Plan	061000248	-	$500,000.00	$0.00	$500,000.00	N/A	0%	100%	100%	NO
06	Iowa Colony	FME	City of Iowa Colony Master Drainage Plan	061000249	-	$310,000.00	$0.00	$310,000.00	N/A	0%	100%	100%	NO
06	Jacinto City	FME	City of Jacinto City Master Drainage Plan	061000250	-	$180,000.00	$0.00	$180,000.00	N/A	0%	100%	100%	NO
06	Jamaica Beach	FME	City of Jamaica Beach Master Drainage Plan	061000251	-	$140,000.00	$0.00	$140,000.00	N/A	0%	100%	100%	NO

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06	Katy	FME	City of Katy Master Drainage Plan	061000253	-	$360,000.00	$0.00	$360,000.00	N/A	0%	100%	100%	NO
06	Kemah	FME	City of Kemah Master Drainage Plan	061000254	-	$190,000.00	$0.00	$190,000.00	N/A	0%	100%	100%	NO
06	La Marque	FME	City of La Marque Master Drainage Plan	061000255	-	$360,000.00	$0.00	$360,000.00	N/A	0%	100%	100%	NO
06	La Porte	FME	City of La Porte Master Drainage Plan	061000256	-	$410,000.00	$0.00	$410,000.00	N/A	0%	100%	100%	NO
06	League City	FME	City of League City Master Drainage Plan	061000257	-	$580,000.00	$0.00	$580,000.00	N/A	0%	100%	100%	YES
06	Liverpool	FME	City of Liverpool Master Drainage Plan	061000258	-	$160,000.00	$0.00	$160,000.00	N/A	0%	100%	100%	NO
06	Magnolia	FME	City of Magnolia Master Drainage Plan	061000259	-	$210,000.00	$0.00	$210,000.00	N/A	0%	100%	100%	NO
06	Manvel	FME	City of Manvel Master Drainage Plan	061000260	-	$460,000.00	$0.00	$460,000.00	N/A	0%	100%	100%	NO
06	Meadows Place	FME	City of Meadows Place Master Drainage Plan	061000261	-	$150,000.00	$0.00	$150,000.00	N/A	0%	100%	100%	NO
06	Missouri City	FME	City of Missouri City Master Drainage Plan	061000262	-	$470,000.00	$0.00	$470,000.00	N/A	0%	100%	100%	NO
06	Mont Belvieu	FME	City of Mont Belvieu Master Drainage Plan	061000263	-	$390,000.00	$0.00	$390,000.00	N/A	0%	100%	100%	NO
06	Montgomery	FME	City of Montgomery Master Drainage Plan	061000264	-	$250,000.00	$0.00	$250,000.00	N/A	0%	100%	100%	NO
06	Morgan's Point	FME	City of Morgan's Point Master Drainage Plan	061000265	-	$190,000.00	$0.00	$190,000.00	N/A	0%	100%	100%	NO
06	Nassau Bay	FME	City of Nassau Bay Master Drainage Plan	061000266	-	$180,000.00	$0.00	$180,000.00	N/A	0%	100%	100%	NO
06	New Waverly	FME	City of New Waverly Master Drainage Plan	061000267	-	$190,000.00	$0.00	$190,000.00	N/A	0%	100%	100%	NO
06	North Cleveland	FME	City of North Cleveland Master Drainage Plan	061000268	-	$190,000.00	$0.00	$190,000.00	N/A	0%	100%	100%	NO
06	Oak Ridge North	FME	City of Oak Ridge North Master Drainage Plan	061000269	-	$170,000.00	$0.00	$170,000.00	N/A	0%	100%	100%	NO
06	Panorama Village	FME	City of Panorama Village Master Drainage Plan	061000270	-	$160,000.00	$0.00	$160,000.00	N/A	0%	100%	100%	NO

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									Sponsor Funding		Other Funding Needed (including state, federal and/ or other funding)	Total (auto) sum must = 100%	
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06	Pasadena	FME	City of Pasadena Master Drainage Plan	061000271	-	$550,000.00	$0.00	$550,000.00	N/A	0%	100%	100%	NO
06	Patton Village	FME	City of Patton Village Master Drainage Plan	061000272	-	$200,000.00	$0.00	$200,000.00	N/A	0%	100%	100%	NO
06	Piney Point Village	FME	City of Piney Point Village Master Drainage Plan	061000274	-	$190,000.00	$0.00	$190,000.00	N/A	0%	100%	100%	NO
06	Plantersville	FME	City of Plantersville Master Drainage Plan	061000275	-	$190,000.00	$0.00	$190,000.00	N/A	0%	100%	100%	NO
06	Plum Grove	FME	City of Plum Grove Master Drainage Plan	061000276	-	$230,000.00	$0.00	$230,000.00	N/A	0%	100%	100%	NO
06	Prairie View	FME	City of Prairie View Master Drainage Plan	061000277	-	$290,000.00	$0.00	$290,000.00	N/A	0%	100%	100%	NO
06	Roman Forest	FME	City of Roman Forest Master Drainage Plan	061000278	-	$190,000.00	$0.00	$190,000.00	N/A	0%	100%	100%	NO
06	Santa Fe	FME	City of Santa Fe Master Drainage Plan	061000279	-	$380,000.00	$0.00	$380,000.00	N/A	0%	100%	100%	NO
06	Seabrook	FME	City of Seabrook Master Drainage Plan	061000280	-	$420,000.00	$0.00	$420,000.00	N/A	0%	100%	100%	NO
06	Shenandoah	FME	City of Shenandoah Master Drainage Plan	061000281	-	$190,000.00	$0.00	$190,000.00	N/A	0%	100%	100%	NO
06	Shoreacres	FME	City of Shoreacres Master Drainage Plan	061000282	-	$150,000.00	$0.00	$150,000.00	N/A	0%	100%	100%	NO
06	South Houston	FME	City of South Houston Master Drainage Plan	061000283	-	$210,000.00	$0.00	$210,000.00	N/A	0%	100%	100%	NO
06	Southside Place	FME	City of Southside Place Master Drainage Plan	061000284	-	$110,000.00	$0.00	$110,000.00	N/A	0%	100%	100%	NO
06	Splendora	FME	City of Splendora Master Drainage Plan	061000285	-	$210,000.00	$0.00	$210,000.00	N/A	0%	100%	100%	NO
06	Spring Valley Village	FME	City of Spring Valley Village Master Drainage Plan	061000286	-	$160,000.00	$0.00	$160,000.00	N/A	0%	100%	100%	NO
06	Stafford	FME	City of Stafford Master Drainage Plan	061000287	-	$280,000.00	$0.00	$280,000.00	N/A	0%	100%	100%	NO
06	Stagecoach	FME	City of Stagecoach Master Drainage Plan	061000288	-	$160,000.00	$0.00	$160,000.00	N/A	0%	100%	100%	NO
06	Sugar Land	FME	City of Sugar Land Master Drainage Plan	061000289	-	$540,000.00	$0.00	$540,000.00	N/A	0%	100%	100%	NO

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06	Taylor Lake Village	FME	City of Taylor Lake Village Master Drainage Plan	061000290	-	$170,000.00	$0.00	$170,000.00	N/A	0%	100%	100%	NO
06	Texas City	FME	City of Texas City Master Drainage Plan	061000291	-	$950,000.00	$0.00	$950,000.00	N/A	0%	100%	100%	NO
06	Tiki Island	FME	City of Tiki Island Master Drainage Plan	061000292	-	$180,000.00	$0.00	$180,000.00	N/A	0%	100%	100%	NO
06	Todd Mission	FME	City of Todd Mission Master Drainage Plan	061000293	-	$190,000.00	$0.00	$190,000.00	N/A	0%	100%	100%	NO
06	Tomball	FME	City of Tomball Master Drainage Plan	061000294	-	$350,000.00	$0.00	$350,000.00	N/A	0%	100%	100%	NO
06	Waller	FME	City of Waller Master Drainage Plan	061000295	-	$100,000.00	$0.00	$100,000.00	General Revenue	0%	100%	100%	YES
06	Webster	FME	City of Webster Master Drainage Plan	061000296	-	$280,000.00	$0.00	$280,000.00	N/A	0%	100%	100%	YES
06	City of West University Place	FME	City of West University Place Master Drainage Plan	061000297	-	$190,000.00	$0.00	$190,000.00	Internal CIP Dollars	20%	80%	100%	YES
06	Willis	FME	City of Willis Master Drainage Plan	061000298	-	$250,000.00	$0.00	$250,000.00	N/A	0%	100%	100%	NO
06	Woodbranch Village	FME	City of Woodbranch Master Drainage Plan	061000299	-	$190,000.00	$0.00	$190,000.00	N/A	0%	100%	100%	NO
06	Woodloch	FME	Town of Woodloch Master Drainage Plan	061000300	-	$50,000.00	$0.00	$50,000.00	N/A	0%	100%	100%	NO
06	Brazoria	FME	Brazoria Flood Mapping Updates	061000301	-	$6,440,000.00	$0.00	$6,440,000.00	N/A	0%	100%	100%	NO
06	Chambers	FME	Chambers Flood Mapping Updates	061000302	-	$631,000.00	$0.00	$631,000.00	N/A	0%	100%	100%	NO
06	Galveston	FME	Galveston Flood Mapping Updates	061000304	-	$2,960,000.00	$0.00	$2,960,000.00	N/A	0%	100%	100%	NO
06	Grimes	FME	Grimes Flood Mapping Updates	061000305	-	$908,000.00	$0.00	$908,000.00	N/A	0%	100%	100%	NO
06	Montgomery	FME	Montgomery Flood Mapping Updates	061000307	-	$4,700,000.00	$0.00	$4,700,000.00	N/A	0%	100%	100%	NO
06	San Jacinto	FME	San Jacinto Flood Mapping Updates	061000308	-	$1,419,000.00	$0.00	$1,419,000.00	N/A	0%	100%	100%	NO
06	Walker	FME	Walker Flood Mapping Updates	061000309	-	$1,747,000.00	$0.00	$1,747,000.00	N/A	0%	100%	100%	NO

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06	Waller	FME	Waller Flood Mapping Updates	061000310	-	$2,300,000.00	$0.00	$2,300,000.00	N/A	10%	90%	100%	YES
06	Harris	FME	Arcadian Gardens Subdivision Drainage Improvements	061000317	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Fort Bend County Drainage District	FME	Fort Bend County Willow Fork Channel Improvements	061000318	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FME	Jackson Bayou Watershed Planning Project- Immediate: First Street Crossing Mitigation	061000322	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris	FME	B106-WP01 & WP02 for Armand Bayou Watershed	061000323	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Willow Fork Drainage District	FME	Barker Reservoir Flood Risk Reduction and Park Project	061000324	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FME	I100-WP01 Vince Bayou Watershed Planning Project Recommendation	061000326	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris	FME	I100-WP06 for Vince Bayou Watershed Planning Project	061000329	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris	FME	I100-WP10 for Vince Bayou Watershed Planning Project	061000330	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris	FME	I100-WP07 for Vince Bayou Watershed Planning Project	061000331	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris	FME	I100-WP11 for Vince Bayou Watershed Planning Project	061000332	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES

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06	Harris County Flood Control District	FME	Carpenters Planing Study Cloverleaf Community Flood Risk Reduction Project (Phase 1 and 2)	061000333	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Spring Creek Watershed Plan- Recommended Alternative for PA-02: J131-01-00 Storm Sewer improvements & channel modification	061000337	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Willow Creek Watershed Plan - Immediate: Selective Clearing BNRR to Mouth	061000338	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Willow Creek Watershed Plan - FM2920 Stormwater Detention Basin	061000340	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Willow Creek Watershed Plan - Kuykendahl Basin	061000341	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Willow Creek Watershed Plan - M121 Basin Stormwater Detention Basin	061000342	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Galveston Bay Watershed Plan- PA01 (N+6) Channel & Crossing Improvements	061000343	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES

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06	Harris County Flood Control District	FME	Spring Gully Watershed Planning Project- Project Phase I	061000345	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Spring Gully Watershed Planning Project- Project Phase II	061000346	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Spring Gully Watershed Planning Project- Project Phase III	061000347	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F216-00-00	061000348	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F101-06-00	061000349	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Galveston Bay Watershed Plan- PA04 (S+4) Crossing Improvements	061000350	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	TC Jester Detention Basin	061000353	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Halls Bayou Drainage Project Bond C-26 & C-27	061000354	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES

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06	Harris County Flood Control District	FME	Halls Bayou Drainage Project Bond C-01	061000355	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Westador Stormwater Detention Basin	061000356	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Little Cypress Creek - Management, Right-of-Way Acquisition, Design and Construction of the Little Cypress Creek Frontier Program	061000358	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	G103-80-03.1B (Taylor Gully)	061000361	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Goose Creek O119-00-00-P001 (Alt 2A1)	061000362	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Goose Creek O119-00-00-P001 (Alt 2A3)	061000363	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Sims Bayou C116 Storm Sewer Improvement (C116-00-00-P001) From Mykawa Road to Telephone Road	061000364	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES

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06	Harris County Flood Control District	FME	Greens Bayou - Planning, Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along P138-01-01	061000366	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou (Q100-00-00)	061000367	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence	061000368	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou (Q100-00-00)	061000369	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Tomball	FME	City of Tomball Drainage Improvements	061000373	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FME	Cedar Bayou Flood Risk Reduction Study - Channel improvements from US 90 to FM 1942	061000376	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Cedar Bayou Flood Risk Reduction Study - Channel improvements upstream of FM 1960	061000379	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES

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06	Houston	FME	Houston Braeburn Glen Area Flood Mitigation	061000384	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Montgomery	FME	Roman Forest Boulevard Bridge Elevation Project	061000388	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FME	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-08-00	061000394	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-09-00	061000395	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	061000397	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	061000399	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Halls Bayou - Design and Construction of a Stormwater Detention Basin in Brock Park	061000403	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Halls Bayou - Planning, Right-Of-Way, Design and Construction of Halls Bayou Flood Risk Management Project	061000404	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES

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06	Harris County Flood Control District	FME	Hunting Bayou Wallisville Outfall (H103-00-00) - Gellhorn Drive	061000405	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Hunting Bayou Wallisville Outfall (H103-00-00) - Denver Harbor	061000406	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Luce Bayou (Z100-00-00-P026) Bypass Channel	061000407	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Luce Bayou (Z100-00-00-P026) Channelization	061000412	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Luce Bayou (Z100-00-00-P026) Upstream Detention	061000413	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Manvel	FME	City of Manvel Rogers Rd. Drainage Improvements	061000415	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FME	Clear Creek - Friendswood Detention Basin Near FM 528 in Friendswood	061000420	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Clear Creek - Hughes Stormwater Detention (SWD) Basin	061000421	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Baytown	FME	North Alexander Drainage Improvements	061000423	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO

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06	Harris County Flood Control District	FME	Clear Creek - Rehabilitation of the A214-00-00 channel to Restore Channel Conveyance Capacity	061000425	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Montgomery	FME	Sawdust Road Bridge Elevation Project	061000426	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Southside Place	FME	City of Southside Place - Auden Street Drainage Improvement Project	061000435	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Galveston	FME	Unincorporated Areas of Bacliff and San Leon Roadside Ditches & Driveway Culverts Improvements	061000436	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Evaluation of Dredging of Channels that Exit Into Lake Houston	061000437	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris	FME	Greens Bayou, Jackson Bayou, White Oak Bayou, Cypress Creek and San Jacinto River Areas Subdivision Drainage Mitigation Project	061000438	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Harris	FME	Greens Bayou, White Oak Bayou and Cypress Creek Areas Subdivision Drainage Mitigation Project	061000439	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Brazoria	FME	Brazoria County Camp Mohawk County Park Development	061000440	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO

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06	Harris County Flood Control District	FME	Addicks Reservoir - Design and Construction of a Bridge Replacement for Greenhouse Road at South Mayde Creek	061000441	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Conroe	FME	Forest Estates - Live Oak Creek Watershed Artesian Forest 1 - Artesian Creek Watershed	061000442	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Conroe	FME	Artesian Forest 1 - Artesian Creek Watershed	061000443	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Conroe	FME	Artesian Forest East - Artesian Creek Watershed	061000444	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Conroe	FME	Lilly - Alligator Creek Watershed	061000445	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Conroe	FME	East Fork North - Alligator Creek Watershed "	061000446	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Conroe	FME	East Fork South - Alligator Creek Watershed "	061000447	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Conroe	FME	West Branch - Alligator Creek Watershed	061000448	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Conroe	FME	Oak Hollow - Alligator Creek Watershed	061000449	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Conroe	FME	Cable - Alligator Creek Watershed	061000450	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Conroe	FME	South Frazier - Grand Lake Creek Watershed	061000451	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Conroe	FME	Rivershire East - Grand Lake Creek Watershed	061000452	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO

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06	Conroe	FME	Baretta - Grand Lake Creek Watershed	061000454	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Conroe	FME	Valley - Stewarts Creek Watershed	061000455	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Conroe	FME	Hunnington - Stewarts Creek Watershed	061000456	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Conroe	FME	Avenue M - Stewarts Creek Watershed	061000457	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Conroe	FME	South 3rd - Stewarts Creek Watershed	061000458	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Conroe	FME	Toby - Little Caney Creek Watershed	061000459	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Conroe	FME	Southern Oak - Little Laney Creek	061000460	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Conroe	FME	Rush Creek Lake - Lake Conroe Estates Watershed	061000461	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Conroe	FME	Longmire and SH-105 - Live Oak Creek Watershed	061000462	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Montgomery	FME	Southeast Montgomery County Master Drainage Plan	061000463	-	$1,170,000.00	$0.00	$1,170,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Carpenters Bayou (West Acres, Shadowglen & Old River Terrace Neighborhood)	061000464	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Houston	FME	Catalina	061000465	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Houston	FME	Ledge Street Area Drainage and Paving	061000470	-	$30,000.00	$0.00	$30,000.00	Entity Budget/Funds	100%	0%	100%	YES
06	Houston	FME	Chateau Forest Area Drainage and Paving (30%) Goforth	061000476	-	$30,000.00	$0.00	$30,000.00	N/A	100%	0%	100%	YES

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06	Houston	FME	Drainage and Paving Improvements for Cottage Grove East - Phase II	061000477	-	$30,000.00	$0.00	$30,000.00	N/A	50%	50%	100%	YES
06	Houston	FME	TIRZ17 Memorial City Area Detention Basin	061000478	-	$30,000.00	$0.00	$30,000.00	N/A	100%	0%	100%	YES
06	Houston	FME	P518 Aldine West field	061000479	-	$30,000.00	$0.00	$30,000.00	N/A	100%	0%	100%	YES
06	Houston	FME	Spring Shadows North	061000480	-	$30,000.00	$0.00	$30,000.00	N/A	100%	0%	100%	YES
06	Houston	FME	Gellhorn	061000482	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Houston	FME	Turkey Gully	061000483	-	$30,000.00	$0.00	$30,000.00	N/A	100%	0%	100%	YES
06	Houston	FME	D-133 Sharpstown	061000484	-	$30,000.00	$0.00	$30,000.00	N/A	50%	50%	100%	YES
06	Bellaire	FME	City of Bellaire Newcastle/Kilmarnock Area Drainage Improvements	061000485	-	$1,000,000.00	$0.00	$1,000,000.00	N/A	0%	100%	100%	YES
06	Bellaire	FME	City of Bellaire Loop 610 Area Drainage Improvements	061000486	-	$1,000,000.00	$0.00	$1,000,000.00	N/A	0%	100%	100%	YES
06	Bellaire	FME	City of Bellaire South Rice Area Drainage Improvements	061000487	-	$1,000,000.00	$0.00	$1,000,000.00	N/A	0%	100%	100%	YES
06	Bellaire	FME	City of Bellaire Chimney Rock Area Drainage Improvements	061000488	-	$1,000,000.00	$0.00	$1,000,000.00	N/A	0%	100%	100%	NO
06	Huntsville	FME	City of Huntsville - Elkins Lake Watershed	061000489	-	$300,000.00	$0.00	$300,000.00	N/A	0%	100%	100%	YES
06	Huntsville	FME	City of Huntsville - Spring Lake Watershed	061000490	-	$300,000.00	$0.00	$300,000.00	N/A	0%	100%	100%	YES
06	Montgomery County MUD 83, Montgomery County MUD 84	FME	Montgomery County MUDs 83,84 - Alternative 4 and 6B PER	061000491	-	$100,000.00	$0.00	$100,000.00	N/A	0%	100%	100%	YES

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06	Montgomery County MUD 83, Montgomery County MUD 84	FME	Montgomery County MUDs 83,84 - Storm Sewer Improvements	061000494	-	$650,000.00	$0.00	$650,000.00	N/A	0%	100%	100%	YES
06	Liberty County Water Control District #1	FME	Preliminary Engineering Design of Detention Pond & Conveyance System for Buddy Grass and Railroad Ditches	061000495	-	$5,000,000.00	$0.00	$5,000,000.00	N/A	0%	100%	100%	YES
06	Liberty County Water Control District #1	FME	Feasibility Study - Convert Enderli Reservoir into a Detention Pond	061000496	-	$4,000,000.00	$0.00	$4,000,000.00	N/A	0%	100%	100%	YES
06	Liberty County Water Control District #1	FME	Preliminary Engineering Design of Detention Pond at intersection of HWY90 & Railroad near Cedar Bayou	061000497	-	$3,000,000.00	$0.00	$3,000,000.00	N/A	0%	100%	100%	YES
06	Liberty County Water Control District #1	FME	Preliminary Engineering Design of Detention Pond at Gier Road & Cedar Bayou	061000498	-	$3,500,000.00	$0.00	$3,500,000.00	N/A	0%	100%	100%	YES
06	Liberty County Water Control District #1	FME	Preliminary Engineering Design of Detention Pond at Hatcherville & Cedar Bayou Farm Ditches	061000499	-	$3,500,000.00	$0.00	$3,500,000.00	N/A	0%	100%	100%	YES
06	Webster	FME	Green Acres Neighborhood Drainage Improvement Study	061000500	-	$100,000.00	$0.00	$100,000.00	N/A	0%	100%	100%	NO

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06	Harris	FME	Addicks Reservoir - Neighborhood Future Floodplain Analysis	061000501	-	$31,022,000.00	$0.00	$31,022,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Armand Bayou - Neighborhood Future Floodplain Analysis	061000502	-	$44,078,000.00	$0.00	$44,078,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Barker Reservoir - Neighborhood Future Floodplain Analysis	061000503	-	$25,956,000.00	$0.00	$25,956,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Brays Bayou - Neighborhood Future Floodplain Analysis	061000504	-	$66,091,000.00	$0.00	$66,091,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Buffalo Bayou - Neighborhood Future Floodplain Analysis	061000505	-	$5,644,000.00	$0.00	$5,644,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Carpenters Bayou - Neighborhood Future Floodplain Analysis	061000506	-	$32,227,000.00	$0.00	$32,227,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Cedar Bayou - Neighborhood Future Floodplain Analysis	061000507	-	$5,340,000.00	$0.00	$5,340,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Clear Creek - Neighborhood Future Floodplain Analysis	061000508	-	$75,233,000.00	$0.00	$75,233,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Greens Bayou - Neighborhood Future Floodplain Analysis	061000509	-	$92,079,000.00	$0.00	$92,079,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Little Cypress Creek - Neighborhood Future Floodplain Analysis	061000510	-	$13,778,000.00	$0.00	$13,778,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Luce Bayou - Neighborhood Future Floodplain Analysis	061000511	-	$2,612,000.00	$0.00	$2,612,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	San Jacinto & Galveston Bay - Neighborhood Future Floodplain	061000512	-	$15,316,000.00	$0.00	$15,316,000.00	N/A	0%	100%	100%	NO

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06	Harris	FME	San Jacinto River - Neighborhood Future Floodplain Analysis	061000513	-	$52,736,000.00	$0.00	$52,736,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Sims Bayou - Neighborhood Future Floodplain Analysis	061000514	-	$1,599,000.00	$0.00	$1,599,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Spring Creek - Neighborhood Future Floodplain Analysis	061000515	-	$7,219,000.00	$0.00	$7,219,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Willow Creek - Neighborhood Future Floodplain Analysis	061000516	-	$17,179,000.00	$0.00	$17,179,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Greens Bayou Local Drainage Study	061000517	-	$21,649,000.00	$0.00	$21,649,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Carpenters Bayou Local Drainage Study	061000518	-	$1,088,000.00	$0.00	$1,088,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	San Jacinto River Watershed Local Drainage Study	061000519	-	$3,288,000.00	$0.00	$3,288,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Clear Creek Local Drainage Study	061000520	-	$3,008,000.00	$0.00	$3,008,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Cypress Creek Local Drainage Study	061000521	-	$10,768,000.00	$0.00	$10,768,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Cypress Creek - Neighborhood Future Floodplain Analysis	061000522	-	$67,763,000.00	$0.00	$67,763,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	White Oak Bayou - Neighborhood Future Floodplain Analysis	061000523	-	$46,676,000.00	$0.00	$46,676,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	White Oak Bayou Local Drainage Study	061000524	-	$4,897,000.00	$0.00	$4,897,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Spring Gully & Goose Creek Local Drainage Study	061000525	-	$3,591,000.00	$0.00	$3,591,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Cedar Bayou Local Drainage Study	061000526	-	$905,000.00	$0.00	$905,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Addicks Reservoir Local Drainage Study	061000527	-	$7,151,000.00	$0.00	$7,151,000.00	N/A	0%	100%	100%	NO

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06	Harris	FME	Little Cypress Creek Local Drainage Study	061000528	-	$568,000.00	$0.00	$568,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Buffalo Bayou Local Drainage Study	061000529	-	$195,000.00	$0.00	$195,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Spring Gully & Goose Creek - Neighborhood Future Floodplain Analysis	061000530	-	$14,929,000.00	$0.00	$14,929,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Willow Creek Local Drainage Study	061000531	-	$972,000.00	$0.00	$972,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Luce Bayou Local Drainage Study	061000532	-	$328,000.00	$0.00	$328,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Barker Reservoir Local Drainage Study	061000533	-	$2,369,000.00	$0.00	$2,369,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Brays Bayou Local Drainage Study	061000534	-	$334,000.00	$0.00	$334,000.00	N/A	0%	100%	100%	NO
06	Baytown	FME	Briarwood Area Drainage Improvements	061000535	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Baytown	FME	North Alexander	061000536	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Baytown	FME	Rollingbrook Garth and Main	061000537	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Baytown	FME	West Baytown Phase 2	061000538	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	NO
06	Harris	FME	Spring Creek Local Drainage Study	061000539	-	$343,000.00	$0.00	$343,000.00	N/A	0%	100%	100%	NO
06	Galveston	FME	South Shore Drainage Pump Station	061000540	-	$5,000,000.00	$0.00	$5,000,000.00	N/A	0%	100%	100%	YES
06	Galveston	FME	51st Street Drainage Basin Pump Station Project	061000541	-	$9,000,000.00	$0.00	$9,000,000.00	N/A	0%	100%	100%	YES
06	League City	FME	Kansas Street Drainage Project, Phase 2	061000542	-	$580,000.00	$0.00	$580,000.00	N/A	0%	100%	100%	NO
06	League City	FME	Gum Bayou Drainage Improvements	061000543	-	$1,200,000.00	$0.00	$1,200,000.00	N/A	0%	100%	100%	NO
06	League City	FME	Magnolia Creek & Cedar Gully Drainage Improvement Project	061000544	-	$750,000.00	$0.00	$750,000.00	N/A	0%	100%	100%	NO

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06	League City	FME	Highland Terrace and Wesley Drive Drainage Improvements	061000545	-	$600,000.00	$0.00	$600,000.00	N/A	0%	100%	100%	NO
06	League City	FME	Benson Bayou Regional Mitigation Conveyance & Detention Pond Project	061000546	-	$5,000,000.00	$0.00	$5,000,000.00	N/A	0%	100%	100%	NO
06	League City	FME	Interurban Watershed Drainage Improvement Project	061000547	-	$700,000.00	$0.00	$700,000.00	N/A	0%	100%	100%	NO
06	League City	FME	Patton Subdivision Drainage Improvements Project	061000548	-	$700,000.00	$0.00	$700,000.00	N/A	0%	100%	100%	NO
06	League City	FME	St. Charles Street Drainage Improvements Project	061000551	-	$50,000.00	$0.00	$50,000.00	N/A	0%	100%	100%	NO
06	League City	FME	Columbia Memorial Parkway Drainage Improvement Project	061000552	-	$100,000.00	$0.00	$100,000.00	N/A	0%	100%	100%	NO
06	League City	FME	Magnolia Creek & Cedar Gully Clearing and Desnagging Project	061000553	-	$150,000.00	$0.00	$150,000.00	N/A	0%	100%	100%	NO
06	Webster	FME	Texas Avenue-Magnolia-MedicalCenterBlvd-Hwy3 Drainage Improvement Study	061000554	-	$100,000.00	$0.00	$100,000.00	N/A	0%	100%	100%	NO
06	Harris County MUD 365	FME	HCMUD365 Cole Crossing Stormwater Detention and Water Quality Improvement Project	061000555	-	$100,000.00	$0.00	$100,000.00	N/A	0%	100%	100%	NO
06	Brookshire Katy Drainage District	FME	Brookshire-Katy Drainage District Watershed Study	061000556	-	$500,000.00	$0.00	$500,000.00	N/A	0%	100%	100%	NO

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06	Houston	FME	Drainage and Paving Improvements for Cottage Grove East - Phase I	061000557	-	$30,000.00	$0.00	$30,000.00	N/A	0%	100%	100%	YES
06	Chambers	FME	Chambers County Sterling Drive Drainage Study	061000560	-	$85,000.00	$0.00	$85,000.00	N/A	0%	100%	100%	YES
06	Chambers	FME	Chambers County Bayside Drive Tidal Surge Protection	061000561	-	$127,000.00	$0.00	$127,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Armand Bayou Watershed Study	061000596	-	$675,000.00	$0.00	$675,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Clear Creek Watershed Study	061000597	-	$844,000.00	$0.00	$844,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Carpenters Bayou Watershed Study	061000598	-	$422,000.00	$0.00	$422,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Halls Bayou Watershed Study	061000599	-	$507,000.00	$0.00	$507,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Jackson Bayou Watershed Study	061000600	-	$422,000.00	$0.00	$422,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Little Cypress Creek Watershed Study	061000601	-	$507,000.00	$0.00	$507,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Luce Bayou Watershed Study	061000602	-	$675,000.00	$0.00	$675,000.00	N/A	0%	100%	100%	YES

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06	Harris County Flood Control District	FME	San Jacinto and Galveston Bay Watershed Study	061000603	-	$422,000.00	$0.00	$422,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	San Jacinto River Watershed Study	061000604	-	$1,013,000.00	$0.00	$1,013,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Spring Creek Watershed Study	061000605	-	$760,000.00	$0.00	$760,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Spring Gully and Goose Creek Watershed Study	061000606	-	$422,000.00	$0.00	$422,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Vince Bayou Watershed Study	061000607	-	$422,000.00	$0.00	$422,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Willow Creek Watershed Study	061000608	-	$507,000.00	$0.00	$507,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Feasibility Study of the H103-05-00 Subwatershed in City of Jacinto City	061000612	-	$169,000.00	$0.00	$169,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Feasibility Study for Tributary E118-00-00	061000613	-	$254,000.00	$0.00	$254,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Feasibility Study for Little Vince Bayou I101-00-00 in Pasadena	061000614	-	$338,000.00	$0.00	$338,000.00	N/A	0%	100%	100%	YES

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06	Harris County Flood Control District	FME	H103-00-00 Denver Harbor Area Project	061000615	-	$254,000.00	$0.00	$254,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Cedar Bayou Overflow and Channel Diversion Study	061000616	-	$675,000.00	$0.00	$675,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	PER of Gulf Bank South Stormwater Detention Basin	061000617	-	$1,013,000.00	$0.00	$1,013,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Feasibility Study of Aldine Westfield North Stormwater Detention Basin	061000618	-	$675,000.00	$0.00	$675,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Feasibility Study of Aldine Westfield South Stormwater Detention Basin	061000619	-	$675,000.00	$0.00	$675,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Feasibility Study of Little York Phase 2 Stormwater Detention Basin	061000620	-	$633,000.00	$0.00	$633,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Feasibility Study of Veterans Memorial Stormwater Detention Basin	061000621	-	$633,000.00	$0.00	$633,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Feasibility Study of the Turney Road Stormwater Detention Basin	061000622	-	$633,000.00	$0.00	$633,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Feasibility Study of the Shady Lane Stormwater Detention Basin	061000623	-	$633,000.00	$0.00	$633,000.00	N/A	0%	100%	100%	YES

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06	Harris County Flood Control District	FME	Feasibility Study of the Pinewood Stormwater Detention Basin	061000624	-	$633,000.00	$0.00	$633,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Feasibility Study of the Northline North Stormwater Detention Basin	061000625	-	$633,000.00	$0.00	$633,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Feasibility Study of the Northline South Stormwater Detention Basin	061000626	-	$633,000.00	$0.00	$633,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Feasibility Study of the Lakewood Stormwater Detention Basin	061000627	-	$633,000.00	$0.00	$633,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Feasibility Study of the Langley Stormwater Detention Basin	061000628	-	$633,000.00	$0.00	$633,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Feasibility Study of the Haywood Stormwater Detention Basin	061000629	-	$633,000.00	$0.00	$633,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Feasibility Study of the Cockrell Stormwater Detention Basin	061000630	-	$633,000.00	$0.00	$633,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Feasibility Study of Halls Bayou Main Stem Conveyance Improvements	061000631	-	$675,000.00	$0.00	$675,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Feasibility Study of Blue Bell Phase 2 Stormwater Detention Basin	061000632	-	$633,000.00	$0.00	$633,000.00	N/A	0%	100%	100%	YES

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06	Harris County Flood Control District	FME	Cypress Creek Watershed Study to Phase the FMP 63000357	061000633	-	$844,000.00	$0.00	$844,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Projects B106-WP01 and B106-WP02 for City of La Porte	061000634	-	$633,000.00	$0.00	$633,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Little Cedar Bayou Flood Risk Reduction Project	061000635	-	$844,000.00	$0.00	$844,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	South Acres Tributary Channel Conveyance Improvements and Detention	061000636	-	$844,000.00	$0.00	$844,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Alief Area Flood Risk Management Study	061000637	-	$844,000.00	$0.00	$844,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Detailed Evaluation of the Cole Creek Stormwater Detention Basin	061000638	-	$844,000.00	$0.00	$844,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FME	Cypress Trace Stormwater Detention Basin	061000639	-	$844,000.00	$0.00	$844,000.00	N/A	0%	100%	100%	YES
06	Coastal Prairie Conservancy	FME	Conservation Easements for Natural and Agricultural Lands in the Floodplain	061000640	-	$844,000.00	$0.00	$844,000.00	N/A	0%	100%	100%	NO
06	SJRA	FME	Caney Creek Detention at FM 1097	061000641	-	$692,000.00	$0.00	$692,000.00	N/A	0%	100%	100%	YES
06	SJRA	FME	Lake Creek - Caney Creek Detention	061000642	-	$692,000.00	$0.00	$692,000.00	N/A	0%	100%	100%	YES
06	SJRA	FME	Lake Creek - Little Caney Creek Detention	061000643	-	$692,000.00	$0.00	$692,000.00	N/A	0%	100%	100%	YES

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06	SJRA	FME	Lake Creek - Garrett's Creek Detention	061000644	-	$692,000.00	$0.00	$692,000.00	N/A	0%	100%	100%	YES
06	SJRA	FME	Peach Creek Detention at N Walker Rd	061000645	-	$692,000.00	$0.00	$692,000.00	N/A	0%	100%	100%	YES
06	SJRA	FME	Peach Creek Detention at SH 105	061000646	-	$692,000.00	$0.00	$692,000.00	N/A	0%	100%	100%	YES
06	SJRA	FME	Spring Creek Woodlands Channelization (200-ft)	061000647	-	$692,000.00	$0.00	$692,000.00	N/A	0%	100%	100%	YES
06	SJRA	FME	Spring Creek I-45 Channelization	061000648	-	$692,000.00	$0.00	$692,000.00	N/A	0%	100%	100%	YES
06	SJRA	FME	West Fork San Jacinto River SH 242 Channelization	061000649	-	$692,000.00	$0.00	$692,000.00	N/A	0%	100%	100%	YES
06	SJRA	FME	East Fork San Jacinto River Winters Bayou Detention	061000650	-	$692,000.00	$0.00	$692,000.00	N/A	0%	100%	100%	YES
06	SJRA	FME	West Fork San Jacinto River Kingwood Benching	061000651	-	$692,000.00	$0.00	$692,000.00	N/A	0%	100%	100%	YES
06	SJRA	FME	Peach Creek Channelization at I-69 (I-59)	061000652	-	$692,000.00	$0.00	$692,000.00	N/A	0%	100%	100%	YES
06	SJRA	FME	Caney Creek Detention at SH 105	061000653	-	$692,000.00	$0.00	$692,000.00	N/A	0%	100%	100%	YES
06	SJRA	FME	Caney Creek Channelization at I-69	061000654	-	$692,000.00	$0.00	$692,000.00	N/A	0%	100%	100%	YES
06	SJRA	FME	Upper San Jacinto River Basin Reservoir Feasibility Study	061000655	-	$1,978,000.00	$0.00	$1,978,000.00	N/A	0%	100%	100%	YES
06	Grimes	FME	Pinebrook Drainage Improvements Study	061000656	-	$85,000.00	$0.00	$85,000.00	N/A	0%	100%	100%	YES
06	Grimes	FME	Flagtail Creek - Lake Creek and Tributaries Crossing Improvement Study	061000657	-	$532,000.00	$0.00	$532,000.00	N/A	0%	100%	100%	YES

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06	Grimes	FME	Garretts Creek and Tributaries Crossing Improvement Study	061000658	-	$393,000.00	$0.00	$393,000.00	N/A	0%	100%	100%	YES
06	Grimes	FME	Haynie Creek - Little Caney Creek and Tributaries Crossing Improvement Study	061000659	-	$380,000.00	$0.00	$380,000.00	N/A	0%	100%	100%	YES
06	Grimes	FME	Sand Creek - Caney Creek and Tributaries Crossing Improvement Study	061000660	-	$469,000.00	$0.00	$469,000.00	N/A	0%	100%	100%	YES
06	Grimes	FME	Town of Dobbin - Lake Creek and Tributaries Crossing Improvement Study	061000661	-	$266,000.00	$0.00	$266,000.00	N/A	0%	100%	100%	YES
06	Grimes	FME	Hurricane Creek - Mill Creek and Tributaries Crossing Improvement Study	061000662	-	$254,000.00	$0.00	$254,000.00	N/A	0%	100%	100%	YES
06	Grimes	FME	Birch Creek - Walnut Creek and Tributaries Crossing Improvement Study	061000663	-	$296,000.00	$0.00	$296,000.00	N/A	0%	100%	100%	YES
06	League City	FMP	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	063000026	-	$0.00	$1,150,000,000.00	$1,150,000,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FMP	Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown	063000027	-	$0.00	$107,061,000.00	$107,061,000.00	N/A	0%	100%	100%	YES

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06	Harris County Flood Control District	FMP	Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C108-00-00	063000037	-	$0.00	$99,653,000.00	$99,653,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FMP	Halls Bayou Watershed Mitigation Application 1 - CDBG MIT	063000040	-	$0.00	$99,653,000.00	$99,653,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FMP	White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak	063000046	-	$0.00	$120,015,000.00	$120,015,000.00	N/A	0%	100%	100%	YES
06	Pearland	FMP	Mary's Creek Lower, Middle, and Upper Segment	063000056	-	$0.00	$154,040,000.00	$154,040,000.00	Other	0%	100%	100%	YES
06	Montgomery	FMP	Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105	063000058	-	$0.00	$469,000,000.00	$469,000,000.00	N/A	0%	100%	100%	NO
06	San Jacinto	FMP	East Fork San Jacinto River - Winters Bayou Detention	063000059	-	$0.00	$167,000,000.00	$167,000,000.00	N/A	0%	100%	100%	NO
06	Montgomery	FMP	Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek	063000061	-	$0.00	$810,000,000.00	$810,000,000.00	N/A	0%	100%	100%	NO

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06	Harris County Flood Control District	FMP	West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	063000064	-	$0.00	$994,000,000.00	$994,000,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FMP	G103-05-00 St. Charles Place Project S-3	063000065	-	$0.00	$2,019,000.00	$2,019,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FMP	G103-05-02.1 Arcadian Gardens Project, alt S-4	063000066	-	$0.00	$1,245,000.00	$1,245,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FMP	G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1	063000067	-	$0.00	$8,798,000.00	$8,798,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FMP	G103-07-00 Sheldon Area Project, PA4	063000068	-	$0.00	$29,081,000.00	$29,081,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FMP	G103-24-00 Atascocita Area Project, PA1	063000069	-	$0.00	$16,137,000.00	$16,137,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FMP	Q130-00-00 Channel Improvement PER and Design, alternative 3	063000070	-	$0.00	$14,497,000.00	$14,497,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FMP	Preliminary Engineering Study for Q122-00-00	063000071	-	$0.00	$16,153,000.00	$16,153,000.00	N/A	0%	100%	100%	YES
06	Taylor Lake Village	FMP	TLV Drainage Improvement Project	063000072	-	$0.00	$6,130,000.00	$6,130,000.00	General Revenue	10%	90%	100%	YES
06	SJRA	FMP	Bear/Panther Branch Drainage Improvements project	063000073	-	$0.00	$23,567,000.00	$23,567,000.00	N/A	0%	100%	100%	YES

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06	Bellaire	FMP	Cypress Ditch Conveyance Improvement Project	063000074	-	$0.00	$75,916,000.00	$75,916,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FMP	P125-00-00 Flood Risk Reduction Project Bundle, project 1	063000076	-	$0.00	$46,273,000.00	$46,273,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FMP	P126-00-00 Flood Risk Reduction Project, project 3	063000077	-	$0.00	$78,753,000.00	$78,753,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FMP	G103-09-01 Barrett Settlement and St. Charles Place Project S-2	063000078	-	$0.00	$21,056,000.00	$21,056,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FMP	E116-00-00 Flood Risk Reduction Project Phase 2	063000079	-	$0.00	$22,852,000.00	$22,852,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FMP	Q534-01-00 Detention Basin Design and Construction, Phase 1 improvemnets	063000080	-	$0.00	$14,984,000.00	$14,984,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FMP	Saltwater Ditch Subwatershed Flood Risk Reduction Project	063000081	-	$0.00	$101,097,000.00	$101,097,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FMP	Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1	063000082	-	$0.00	$7,704,000.00	$7,704,000.00	N/A	0%	100%	100%	YES
06	Houston	FMP	City of Houston Southland Drainage Improvements	063000083	-	$0.00	$28,950,000.00	$28,950,000.00	General Revenue	50%	50%	100%	YES

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06	Harris County Flood Control District	FMP	Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1	063000084	-	$0.00	$27,776,000.00	$27,776,000.00	N/A	0%	100%	100%	YES
06	Houston	FMP	C106 - FMS, FMN, GT Alt 7	063000085	-	$0.00	$55,175,000.00	$55,175,000.00	General Revenue	50%	50%	100%	YES
06	Houston	FMP	City of Houston Westbury CIP Project	063000086	-	$0.00	$125,225,000.00	$125,225,000.00	N/A	0%	100%	100%	YES
06	Houston	FMP	City of Houston Kirkwood/Nottingham Drainage Improvements	063000087	-	$0.00	$40,226,000.00	$40,226,000.00	N/A	0%	100%	100%	YES
06	Houston	FMP	City of Houston Spring Shadow South Drainage Imporvements	063000088	-	$0.00	$20,676,000.00	$20,676,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FMP	Q128-00-00 Channel Conveyance Improvements	063000089	-	$0.00	$21,671,000.00	$21,671,000.00	N/A	0%	100%	100%	YES
06	Houston	FMP	City of Houston Richmond Plaza Drainage Improvements	063000090	-	$0.00	$58,660,000.00	$58,660,000.00	General Revenue	50%	50%	100%	YES
06	Houston	FMP	City of Houston Huntington Village Drainage Improvements	063000091	-	$0.00	$30,247,000.00	$30,247,000.00	General Revenue	30%	70%	100%	YES
06	Houston	FMP	Scott Street - OST to Brays Projects 1,2,and 3	063000092	-	$0.00	$128,714,000.00	$128,714,000.00	N/A	0%	100%	100%	YES
06	SJRA	FMP	Lake Creek - Garrett's Creek Detention	063000093	-	$0.00	$129,569,000.00	$129,569,000.00	N/A	0%	100%	100%	YES
06	SJRA	FMP	Lake Creek - Little Caney Creek Detention	063000094	-	$0.00	$126,602,000.00	$126,602,000.00	N/A	0%	100%	100%	YES
06	SJRA	FMP	Spring Creek I-45 Channelization	063000095	-	$0.00	$84,071,000.00	$84,071,000.00	N/A	0%	100%	100%	YES

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06	SJRA	FMP	Spring Creek Walnut Creek Detention	063000096	-	$0.00	$141,438,000.00	$141,438,000.00	N/A	0%	100%	100%	YES
06	SJRA	FMP	Spring Creek Woodlands Channelization (200-ft)	063000097	-	$0.00	$55,388,000.00	$55,388,000.00	N/A	0%	100%	100%	YES
06	SJRA	FMP	Lake Creek - Caney Creek Detention	063000098	-	$0.00	$161,219,000.00	$161,219,000.00	N/A	0%	100%	100%	YES
06	SJRA	FMP	Spring Creek Birch Creek Detention	063000099	-	$0.00	$85,061,000.00	$85,061,000.00	N/A	0%	100%	100%	YES
06	Bayou Vista	FMP	City of Bayou Vista Regulations and Permit Requirements Update	063000114	-	$109,000.00	$0.00	$109,000.00	N/A	0%	100%	100%	NO
06	League City	FMP	City of League City Freeboard Ordinance	063000115	-	$109,000.00	$0.00	$109,000.00	N/A	0%	100%	100%	YES
06	Cleveland	FMP	City of Cleveland Floodplain Land-Use Ordinance	063000123	-	$109,000.00	$0.00	$109,000.00	N/A	0%	100%	100%	NO
06	Cleveland	FMP	City of Cleveland Flooplain Ordinance Update	063000124	-	$109,000.00	$0.00	$109,000.00	N/A	0%	100%	100%	NO
06	Gulf Coast Protection District	FMP	Galveston Bay Surge Protection Coastal Storm Risk Management	063000127	-	$0.00	$24,107,064,000.00	$24,107,064,000.00	Other	35%	65%	100%	YES
06	Manvel	FMP	City of Manvel City Ordinance	063000129	-	$103,000.00	$0.00	$103,000.00	N/A	0%	100%	100%	NO
06	Manvel	FMP	City of Manvel Land-Use Ordinance Adoption	063000130	-	$103,000.00	$0.00	$103,000.00	N/A	0%	100%	100%	NO
06	Manvel	FMP	City of Manvel GIS Database Improvements	063000132	-	$21,000.00	$0.00	$21,000.00	N/A	0%	100%	100%	NO
06	Brazoria	FMP	Brazoria County NFIP Technical Material	063000136	-	$21,000.00	$0.00	$21,000.00	N/A	0%	100%	100%	NO
06	Clear Lake Shores	FMP	City of Clear Lake Shores - Implement Stormwater Management Practices	063000139	-	$109,000.00	$0.00	$109,000.00	N/A	0%	100%	100%	NO

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06	Clear Lake Shores	FMP	City of Clear Lake Shores - Improve Regulations and Permit Requirements	063000140	-	$109,000.00	$0.00	$109,000.00	N/A	0%	100%	100%	NO
06	Hitchcock	FMP	City of Hitcock - Improve Regulations and Permit Requirements	063000142	-	$109,000.00	$0.00	$109,000.00	N/A	0%	100%	100%	NO
06	Jamaica Beach	FMP	City of Jamaica Beach - Improve Regulations and Permit Requirements	063000143	-	$109,000.00	$0.00	$109,000.00	N/A	0%	100%	100%	NO
06	Kemah	FMP	City of Kemah - Improve Regulations and Permit Requirements	063000144	-	$109,000.00	$0.00	$109,000.00	N/A	0%	100%	100%	NO
06	Kemah	FMP	City of Kemah - Update Floodplain Ordinance	063000145	-	$109,000.00	$0.00	$109,000.00	N/A	0%	100%	100%	NO
06	La Marque	FMP	City of La Marque - Improve Regulations and Permit Requirements	063000146	-	$109,000.00	$0.00	$109,000.00	N/A	0%	100%	100%	NO
06	Tiki Island	FMP	City of Tiki Island - Improve Regulations and Permit Requirements	063000148	-	$109,000.00	$0.00	$109,000.00	N/A	0%	100%	100%	NO
06	Santa Fe	FMP	City of Santa Fe - Improve Regulations and Permit Requirements	063000149	-	$109,000.00	$0.00	$109,000.00	N/A	0%	100%	100%	NO
06	Galveston	FMP	City of Galveston Land Use Mapping	063000152	-	$11,000.00	$0.00	$11,000.00	N/A	0%	100%	100%	NO
06	Galveston	FMP	City of Galveston Freeboard Requirement Enforcement	063000153	-	$100,000.00	$0.00	$100,000.00	N/A	0%	100%	100%	NO

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06	Harris County Flood Control District	FMP	Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and the larger channelization and detention along Greens Bayou known as the Mid-Reach project.	063000167	-	$0.00	$120,284,000.00	$120,284,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FMP	Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards	063000186	-	$0.00	$19,917,000.00	$19,917,000.00	N/A	0%	100%	100%	NO
06	Alvin	FMP	City of Alvin Unified Development Ordinance	063000201	-	$100,000.00	$0.00	$100,000.00	Entity/ Budget Funds	100%	0%	100%	YES
06	Galveston	FMP	37th Street Improvement Project	063000311	-	$0.00	$75,000,000.00	$75,000,000.00	Other	25%	75%	100%	YES
06	Harris County Flood Control District	FMP	Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	063000313	-	$0.00	$33,081,000.00	$33,081,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FMP	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	063000315	-	$0.00	$27,818,000.00	$27,818,000.00	N/A	0%	100%	100%	NO

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06	Harris County Flood Control District	FMP	Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	063000319	-	$0.00	$34,850,000.00	$34,850,000.00	N/A	0%	100%	100%	NO
06	Coastal Prairie Conservancy	FMP	Warren Lake and Dam Retrofit	063000320	-	$0.00	$6,439,000.00	$6,439,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FMP	Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)	063000321	-	$0.00	$9,450,000.00	$9,450,000.00	N/A	0%	100%	100%	NO
06	Piney Point Village	FMP	Blalock Road Drainage Improvement Project	063000327	-	$0.00	$19,324,000.00	$19,324,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FMP	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	063000328	-	$0.00	$190,218,000.00	$190,218,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FMP	Goose Creek Flood Risk Reduction	063000334	-	$0.00	$46,494,000.00	$46,494,000.00	HCFCD	0%	100%	100%	NO
06	Harris County Flood Control District	FMP	Willow Creek Watershed Plan - M120 Detention/Preservation Site	063000339	-	$0.00	$64,900,000.00	$64,900,000.00	2018 Bond Fund	0%	100%	100%	NO

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06	Harris County Flood Control District	FMP	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	063000344	-	$0.00	$42,600,000.00	$42,600,000.00	HCFCD	0%	100%	100%	NO
06	Harris County Flood Control District	FMP	Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	063000357	-	$0.00	$550,000,000.00	$550,000,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FMP	Kingwood Diversion Ditch (G103-38-00)	063000360	-	$0.00	$62,938,000.00	$62,938,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FMP	Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)	063000389	-	$0.00	$8,375,000.00	$8,375,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FMP	P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)	063000396	-	$0.00	$10,371,000.00	$10,371,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FMP	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	063000397	-	$0.00	$31,317,000.00	$31,317,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FMP	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	063000399	-	$0.00	$14,939,000.00	$14,939,000.00	N/A	0%	100%	100%	NO

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06	Harris County Flood Control District	FMP	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	063000400	-	$0.00	$23,680,000.00	$23,680,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FMP	Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)	063000402	-	$0.00	$30,360,000.00	$30,360,000.00	N/A	0%	100%	100%	NO
06	Houston	FMP	Houston Fifth Area Flood Mitigation	063000417	-	$0.00	$89,754,000.00	$89,754,000.00	N/A	0%	100%	100%	YES
06	Houston	FMP	Houston Port Area Flood Mitigation	063000418	-	$0.00	$99,022,000.00	$99,022,000.00	N/A	0%	100%	100%	YES
06	Baytown	FMP	Danubina Drainage Improvements	063000422	-	$0.00	$18,468,000.00	$18,468,000.00	CDBG-MIT	0%	100%	100%	NO
06	Friendswood	FMP	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I	063000424	-	$0.00	$65,800,000.00	$65,800,000.00	Bonds/Other Financing	25%	75%	100%	YES
06	Houston	FMP	Houston Kashmere Gardens Area Flood Mitigation	063000434	-	$0.00	$94,880,000.00	$94,880,000.00	N/A	0%	100%	100%	YES
06	Conroe	FMP	Rivershire West - Grand Lake Creek Watershed	063000453	-	$0.00	$30,000,000.00	$30,000,000.00	N/A	0%	100%	100%	NO
06	Houston	FMP	Houston Sunnyside Area Flood Mitigation	063000468	-	$0.00	$111,282,000.00	$111,282,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FMP	Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)	063000469	-	$0.00	$35,250,000.00	$35,250,000.00	N/A	0%	100%	100%	NO

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06	Harris County Flood Control District	FMP	Halls Bayou Drainage Project Bond C-01	063000470	-	$0.00	$22,386,000.00	$22,386,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FMP	Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	063000471	-	$0.00	$38,230,000.00	$38,230,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FMP	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	063000472	-	$0.00	$11,440,000.00	$11,440,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FMP	Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	063000473	-	$0.00	$2,553,000.00	$2,553,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FMP	Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)	063000474	-	$0.00	$295,268,000.00	$295,268,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FMP	Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	063000475	-	$0.00	$40,780,000.00	$40,780,000.00	N/A	0%	100%	100%	NO

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						Non-construction costs	Construction-related costs	Total estimated cost	ANTICIPATED SOURCE of Sponsor funding (e.g., taxes; general revenue; dedicated revenue incl. fees)	FUNDING TO BE FINANCED BY SPONSOR (including local, county, or regional mechanisms available but not yet fully utilized)			
06	Harris County Flood Control District	FMP	Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)	063000476	-	$0.00	$345,330,000.00	$345,330,000.00	N/A	0%	100%	100%	NO
06	Harris County Flood Control District	FMP	P118-E006 (Hardy West) (2018 Bond Project C-41)	063000477	-	$0.00	$32,053,000.00	$32,053,000.00	N/A	0%	100%	100%	NO
06	Chambers	FMP	Kilgore Regional Detention Atlas 14 Upgrade	063000480	-	$0.00	$157,246,000.00	$157,246,000.00	N/A	0%	100%	100%	YES
06	Chambers	FMP	Staples Drive Improvements	063000481	-	$0.00	$4,878,000.00	$4,878,000.00	N/A	0%	100%	100%	YES
06	Chambers	FMP	Saw Pit Gully Crossing Improvements	063000482	-	$0.00	$10,904,000.00	$10,904,000.00	N/A	0%	100%	100%	YES
06	Chambers	FMP	Smith Gully and Barbers Hill Ditch	063000483	-	$0.00	$49,467,000.00	$49,467,000.00	N/A	0%	100%	100%	YES
06	Bellaire	FMS	City of Bellaire Roadway and Drainage Improvements	062000001	-	$3,000,000.00	$0.00	$3,000,000.00	Bonds/Other Financing	25%	75%	100%	YES
06	Bellaire	FMS	City of Bellaire Non-Structural Flood Risk Reduction Strategies	062000002	-	$50,000.00	$0.00	$50,000.00	Other	25%	75%	100%	YES
06	Bellaire	FMS	City of Bellaire Drainage Requirements and Flood Damage Prevention Ordinance	062000003	-	$50,000.00	$0.00	$50,000.00	General Revenue	25%	75%	100%	YES

Appendix 9-2: Survey Results Table

RFPG Number	Sponsor Entity Name	FMS or FMP or FME	FMS or FMP or FME - Name	Regional plan's unique FMS/FMP/FME identification number	Target year of full implementation	Estimated costs in plan			Estimated percent (share) of total FMS, FMP, or FME				Survey Response Received?
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						Non-construction costs	Construction-related costs	Total estimated cost	ANTICIPATED SOURCE of Sponsor funding (e.g., taxes; general revenue; dedicated revenue incl. fees)	FUNDING TO BE FINANCED BY SPONSOR (including local, county, or regional mechanisms available but not yet fully utilized)			
06	Bellaire	FMS	City of Bellaire Surrounding Area Drainage Improvements	062000004	-	$100,000.00	$0.00	$100,000.00	General Revenue	25%	75%	100%	YES
06	Bellaire	FMS	City of Bellaire Floodwater Public Awareness Initiatives	062000005	-	$50,000.00	$0.00	$50,000.00	General Revenue	25%	75%	100%	YES
06	Bunker Hill Village	FMS	City of Bunker Hill Community Outreach	062000006	-	$100,000.00	$0.00	$100,000.00	N/A	0%	100%	100%	NO
06	Bunker Hill Village	FMS	City of Bunker Hill Dam/Levee Maintenance and Monitoring Plan	062000007	-	$500,000.00	$0.00	$500,000.00	N/A	0%	100%	100%	NO
06	Harris	FMS	Harris County Hazard Mitigation Action AW-3	062000008	-	$100,000.00	$0.00	$100,000.00	N/A	0%	100%	100%	YES
06	Harris	FMS	Harris County Hazard Mitigation Action AW-4	062000009	-	$300,000.00	$0.00	$300,000.00	N/A	0%	100%	100%	YES
06	Harris	FMS	Harris County Hazard Mitigation Action AW-5	062000010	-	$100,000.00	$0.00	$100,000.00	N/A	0%	100%	100%	YES
06	Harris	FMS	Harris County Hazard Mitigation Action AW-6	062000011	-	$500,000.00	$0.00	$500,000.00	N/A	0%	100%	100%	YES
06	Alvin	FMS	City of Alvin CRS Application	062000012	-	$25,000.00	$0.00	$25,000.00	Entity Budget/Funds	100%	0%	100%	YES
06	Brazoria	FMS	Brazoria County Increased Cost of Compliance Education	062000013	-	$20,000.00	$0.00	$20,000.00	N/A	0%	100%	100%	NO
06	Galveston	FMS	City of Galveston NFIP CRS Rating	062000014	-	$10,000.00	$0.00	$10,000.00	N/A	0%	100%	100%	NO

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06	Galveston	FMS	Develop Applicable Plans and Studies to Address Hazard Mitigation in Galveston County	062000015	-	$100,000.00	$0.00	$100,000.00	N/A	0%	100%	100%	NO
06	Waller	FMS	Waller County Elevation Certificate Requirement	062000016	-	$50,000.00	$0.00	$50,000.00	General Revenue	50%	50%	100%	YES
06	Kemah	FMS	Develop Program to Optimize Operation of the Flood Gates at Second Cut Outlet in City of Kemah	062000017	-	$100,000.00	$0.00	$100,000.00	N/A	0%	100%	100%	NO
06	Galveston	FMS	Galveston County-wide Education and Outreach	062000018	-	$50,000.00	$0.00	$50,000.00	N/A	0%	100%	100%	NO
06	New Waverly	FMS	Public Information and Awareness in City of New Waverly	062000019	-	$10,000.00	$0.00	$10,000.00	N/A	0%	100%	100%	NO
06	Arcola	FMS	Promotion of Flood Insurance in City of Arcola	062000020	-	$50,000.00	$0.00	$50,000.00	N/A	0%	100%	100%	NO
06	Todd Mission	FMS	City of Todd Mission Public Outreach & Education	062000021	-	$20,000.00	$0.00	$20,000.00	N/A	0%	100%	100%	NO
06	Arcola	FMS	Increase Public Awareness of Hazards in City of Arcola	062000022	-	$50,000.00	$0.00	$50,000.00	N/A	0%	100%	100%	NO
06	Liberty	FMS	Expand Development of Emergency Notification System in Liberty County	062000023	-	$10,000.00	$0.00	$10,000.00	N/A	0%	100%	100%	NO
06	Galveston	FMS	Galveston County Stormproof/Retrofit Infrastructure	062000025	-	$5,000,000.00	$0.00	$5,000,000.00	N/A	0%	100%	100%	NO
06	Bayou Vista	FMS	Implement Stormwater Management Plan in City of Bayou Vista	062000026	-	$25,000.00	$0.00	$25,000.00	N/A	0%	100%	100%	NO

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06	Walker	FMS	Walker County Public Information and Awareness	062000027	-	$122,720.00	$0.00	$122,720.00	N/A	0%	100%	100%	NO
06	Bayou Vista	FMS	City of Bayou Vista Severe Weather Warning Systems	062000028	-	$35,000.00	$0.00	$35,000.00	N/A	0%	100%	100%	NO
06	Coastal Prairie Conservancy	FMS	Natural Infrastructure Project Barker Reservoir Headwater Acquisition and Restoration	062000029	-	$33,000,000.00	$0.00	$33,000,000.00	N/A	0%	100%	100%	NO
06	Coastal Prairie Conservancy	FMS	Natural Infrastructure Project Mound Creek Conservation	062000030	-	$32,000,000.00	$0.00	$32,000,000.00	N/A	0%	100%	100%	NO
06	Brazoria	FMS	Brazoria County Structure Elevation	062000031	-	$60,000,000.00	$0.00	$60,000,000.00	N/A	0%	100%	100%	NO
06	Brazoria	FMS	Brazoria County Non-structural Mitigation / Land Preservation	062000032	-	$65,000,000.00	$0.00	$65,000,000.00	N/A	0%	100%	100%	NO
06	Bellaire	FMS	City of Bellaire Flood Rescue Plan	062000033	-	$200,000.00	$0.00	$200,000.00	General Revenue	25%	75%	100%	YES
06	Brazoria	FMS	Brazoria County Dam and Levee Failure Outreach and Education campaign	062000034	-	$20,000.00	$0.00	$20,000.00	N/A	0%	100%	100%	NO
06	Grimes	FMS	Amending Grimes County Floodplain Ordinance	062000035	-	$20,000.00	$0.00	$20,000.00	N/A	0%	100%	100%	NO
06	Grimes	FMS	Grimes County Property Acquisition	062000036	-	$95,000.00	$0.00	$95,000.00	N/A	0%	100%	100%	NO
06	Grimes	FMS	Property Acquisition Down-Stream of High Hazard Dams in Grimes County	062000037	-	$1,000,000.00	$0.00	$1,000,000.00	N/A	0%	100%	100%	NO
06	Santa Fe	FMS	City of Santa Fe Stormproof/retrofit New Critical Infrastructure	062000039	-	$5,000,000.00	$0.00	$5,000,000.00	N/A	0%	100%	100%	NO

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06	Waller	FMS	Waller County Drainage System Maintenance	062000040	-	$2,500,000.00	$0.00	$2,500,000.00	General Revenue	50%	50%	100%	YES
06	Waller	FMS	Waller County Flood Hazard Public Information Campaign	062000041	-	$20,000.00	$0.00	$20,000.00	General Revenue	50%	50%	100%	YES
06	Waller	FMS	Waller County Freeboard Requirement Update	062000042	-	$100,000.00	$0.00	$100,000.00	General Revenue	100%	0%	100%	YES
06	Walker	FMS	Install Outdoor Early warning System in Walker County	062000043	-	$850,000.00	$0.00	$850,000.00	N/A	0%	100%	100%	NO
06	Walker	FMS	Walker County Public Hazard Information and Awareness Campaign	062000044	-	$20,000.00	$0.00	$20,000.00	N/A	0%	100%	100%	NO
06	Walker	FMS	Retrofit and Harden the Emergency Operations Center Serving Walker County	062000045	-	$4,000,000.00	$0.00	$4,000,000.00	N/A	0%	100%	100%	NO
06	Cleveland	FMS	City of Cleveland Drainage Maintenance	062000046	-	$5,000,000.00	$0.00	$5,000,000.00	N/A	0%	100%	100%	NO
06	Hillcrest Village	FMS	City of Hilcrest Village Land Acquisition	062000047	-	$250,000.00	$0.00	$250,000.00	N/A	0%	100%	100%	NO
06	Manvel	FMS	City of Manvel Propery Acquisition	062000048	-	$1,700,000.00	$0.00	$1,700,000.00	N/A	0%	100%	100%	NO
06	Bellaire	FMS	City of Bellaire Flood Early Warning System	062000049	-	$150,000.00	$0.00	$150,000.00	General Revenue	25%	75%	100%	YES
06	Bayou Vista	FMS	City of Bayou Vista Management Practices for Securing Windblown Debris in Canals	062000050	-	$100,000.00	$0.00	$100,000.00	N/A	0%	100%	100%	NO
06	Friendswood	FMS	Maintain Drainage Systems and Culverts in City of Friendswood	062000051	-	$1,400,000.00	$0.00	$1,400,000.00	N/A	0%	100%	100%	YES

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06	League City	FMS	City of League City Property Acquisition and Relocation	062000052	-	$300,000,000.00	$0.00	$300,000,000.00	N/A	0%	100%	100%	YES
06	Santa Fe	FMS	City of Santa Fe - Harden Existing Critical Facilites and Infrastructure	062000053	-	$2,000,000.00	$0.00	$2,000,000.00	N/A	0%	100%	100%	NO
06	Santa Fe	FMS	City of Santa Fe - Drainge System Maintenance	062000054	-	$5,000.00	$0.00	$5,000.00	N/A	0%	100%	100%	NO
06	Liberty	FMS	Liberty County Floodplain Acquistion	062000055	-	$750,000.00	$0.00	$750,000.00	N/A	0%	100%	100%	NO
06	Galveston	FMS	City of Galveston Floodplain Manager Increase	062000056	-	$10,000.00	$0.00	$10,000.00	N/A	0%	100%	100%	NO
06	Galveston	FMS	City of Galveston SRL and RL Property Mitigation	062000057	-	$80,000.00	$0.00	$80,000.00	N/A	0%	100%	100%	NO
06	Bunker Hill Village	FMS	City of Bunker Hill Village Non-Structural Mitigation Projects	062000058	-	$100,000.00	$0.00	$100,000.00	N/A	0%	100%	100%	NO
06	Todd Mission	FMS	Hardening of Critical Facilites in City of Mission Todd	062000059	-	$25,000.00	$0.00	$25,000.00	N/A	0%	100%	100%	NO
06	Harris	FMS	Harris County Mitigation Buyout and Relocation Program	062000060	-	$75,000,000.00	$0.00	$75,000,000.00	N/A	0%	100%	100%	YES
06	Alvin	FMS	City of Alvin Full Time Floodplain Administrator	062000061	-	$100,000.00	$0.00	$100,000.00	Entity Budget/Funds	100%	0%	100%	YES
06	Pearland	FMS	City of Pearland SRL and RL Property Acquisition	062000062	-	$100,000.00	$0.00	$100,000.00	Other	0%	100%	100%	YES
06	Harris County Flood Control District	FMS	Harris County Wide Voluntary Buyout Program	062000063	-	$500,000,000.00	$0.00	$500,000,000.00	N/A	0%	100%	100%	YES

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06	Galveston	FMS	Mitigate Repetitive Flood Claim & Severe Repetititve Loss Properties in Galveston County	062000064	-	$30,000,000.00	$0.00	$30,000,000.00	N/A	0%	100%	100%	NO
06	Liberty	FMS	Liberty County Regional Coordination	062000065	-	$500,000.00	$0.00	$500,000.00	N/A	0%	100%	100%	NO
06	Coastal Prairie Conservancy	FMS	Warren Ranch Preservation	062000066	-	$0.00	$50,000,000.00	$50,000,000.00	N/A	0%	100%	100%	NO
06	Coastal Prairie Conservancy	FMS	Cypress Creek Headwater Acquisition and Preservation	062000067	-	$18,000,000.00	$0.00	$18,000,000.00	N/A	0%	100%	100%	NO
06	Chambers	FMS	Chambers County Community Rating System	062000070	-	$8,000.00	$0.00	$8,000.00	N/A	0%	100%	100%	YES
06	Chambers	FMS	Chambers County Flood Model and Map Management System	062000071	-	$36,000.00	$0.00	$36,000.00	N/A	0%	100%	100%	YES
06	Chambers	FMS	Chambers County Property Acquisition	062000072	-	$360,000.00	$0.00	$360,000.00	N/A	0%	100%	100%	YES
06	Chambers	FMS	Chambers County Drainage Criteria Manual Update	062000073	-	$127,000.00	$0.00	$127,000.00	N/A	0%	100%	100%	YES
06	Bayou Land Conservancy	FMS	West Fork San Jacinto River floodplain preservation	062000074	-	$40,489,000.00	$0.00	$40,489,000.00	General Revenue	10%	90%	100%	YES
06	Bayou Land Conservancy	FMS	Spring Creek floodplain preservation	062000075	-	$32,897,000.00	$0.00	$32,897,000.00	General Revenue	10%	90%	100%	YES
06	Bayou Land Conservancy	FMS	Lake Creek floodplain preservation	062000076	-	$43,019,000.00	$0.00	$43,019,000.00	General Revenue	10%	90%	100%	YES
06	SJRA	FMS	Updates to San Jacinto River Authority Lake Conroe Reservoir Forecast Tool	062000077	-	$346,000.00	$0.00	$346,000.00	N/A	0%	100%	100%	YES

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06	SJRA	FMS	San Jacinto River Watershed Gage Network Expansion	062000078	-	$1,286,000.00	$0.00	$1,286,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FMS	Harris County Community Based Catastrophe Insurance	062000079	-	$1,266,000.00	$0.00	$1,266,000.00	N/A	0%	100%	100%	YES
06	Harris County Flood Control District	FMS	Harris County Flood Control District's Flood Warning System	062000080	-	$1,055,000.00	$0.00	$1,055,000.00	N/A	0%	100%	100%	YES

Appendix 10-13:

Responses to Comments on the Draft Regional Flood Plan

Appendix 10-14:

Public Comments