

Flood Mitigation Project (FMP)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP

REGION 6

Title Mary's Creek Lower, Middle, and Upper Segment

ID# 063000056 Sponsor Pearland (Municipality)

RFPG recommend? - Reason for Recommendation -

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) 120402040100

Emergency Need? No

Drainage area (mi² est.) 17

Associated FME's -

County Brazoria, Galveston

Associated FMS's -

Associated FMP's -

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Population at risk 10,044 # of structures 2,711 Critical facilities 9

Farm/Ranch land impacted (acres) - Roadway(s) impacted (length) 54

Number of low water crossings 1 Historical road closures -

100-Year Flood Risk Reduction

Population removed from 100-yr 7614 # of structures removed from 100-yr 2324

Critical facilities removed from 100-yr 6 Farm/Ranch land removed from 100-yr (acres) 8.499667

Road removed from 100-yr (miles) 34 Low water crossings removed from 100-yr 1

Other benefits - Reduction in # of road closures over 10 years -

Impacts

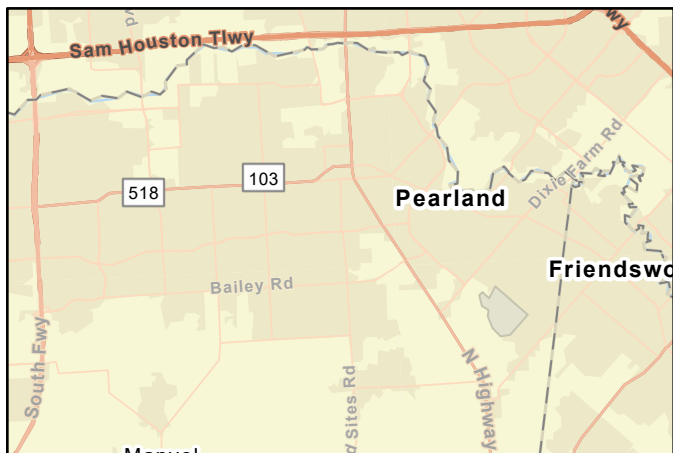
Negative impacts? No Negative impacts description -

Water supply contributions? - Water supply contribution description -

Estimated Cost

Project Cost \$154,039,904 % Nature-Based - BCR 0.16

Recurring costs \$9,322,532 Issues -



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



TitlePoor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards

ID#063000186SponsorHarris County Flood Control District

RFPG recommend?-Reason for Recommendation-

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)120401040402Emergency Need?No

Drainage area (mi² est.)2

Associated FME's999999CountyHarris

Associated FMS's999999Associated FMP's999999

Existing 100-Year Flood Risk

Flood risk type:Riverine?YesCoastal?NoLocal?NoPlaya?NoOther?No

Population at risk1,410# of structures33Critical facilities4

Farm/Ranch land impacted (acres)-Roadway(s) impacted (length)3

Number of low water crossings0Historical road closures0

100-Year Flood Risk Reduction

Population removed from 100-yr54# of structures removed from 100-yr8

Critical facilities removed from 100-yr2Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)3Low water crossings removed from 100-yr0

Other benefits-Reduction in # of road closures over 10 years0

Impacts

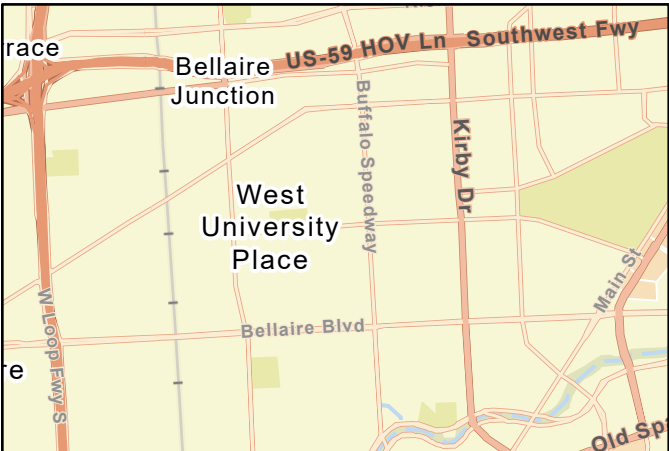
Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Project Cost\$19,916,965% Nature-Based0BCR1.23

Recurring costs\$721,000Issues-



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title37th Street Improvement Project

ID#063000311SponsorGalveston (Municipality)

RFPG recommend?-Reason for Recommendation<Null>

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)-Emergency Need?No

Drainage area (mi² est.)212

Associated FME's999999CountyGalveston

Associated FMS's999999Associated FMP's999999

Existing 100-Year Flood Risk

Flood risk type:Riverine?NoCoastal?YesLocal?NoPlaya?NoOther?No

Population at risk3,732# of structures146Critical facilities8

Farm/Ranch land impacted (acres)-Roadway(s) impacted (length)5

Number of low water crossings-Historical road closures-

100-Year Flood Risk Reduction

Population removed from 100-yr3741# of structures removed from 100-yr146

Critical facilities removed from 100-yr8Farm/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

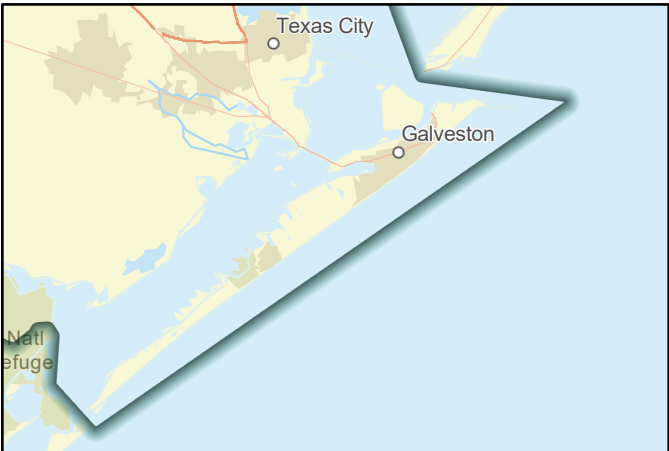
Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Project Cost\$75,000,000% Nature-Based0BCR0.08

Recurring costs\$290,000Issues-



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 Harris County Flood Control District

RFPG recommend? - Reason for Recommendation -

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) - Emergency Need? No

Drainage area (mi² est.) 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 1,377 # of structures 306 Critical facilities 1

Farm/Ranch land impacted (acres) 14 Roadway(s) impacted (length) 8

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 42

Critical facilities removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) 1 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

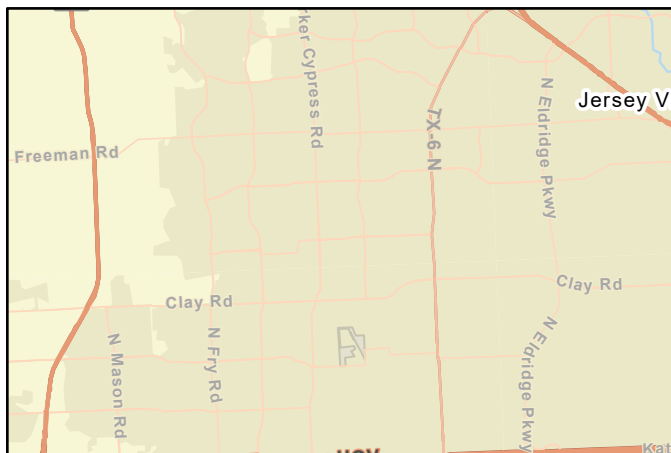
Negative impacts? No Negative impacts description -

Water supply contributions? No Water supply contribution description -

Estimated Cost

Project Cost \$33,080,232 % Nature-Based 0 BCR 0.04

Recurring costs \$938,000 Issues -



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

TitleAddicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South

ID#063000315SponsorHarris County Flood Control District

RFPG recommend?-Reason for Recommendation-



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)120401040203, 120401040303, 120401040303Emergency Need?No

Drainage area (mi² est.)13

Associated FME's-CountyHarris

Associated FMS's-Associated FMP's-

Existing 100-Year Flood Risk

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Population at risk3,403# of structures1,015Critical facilities4

Farm/Ranch land impacted (acres)-Roadway(s) impacted (length)24

Number of low water crossings0Historical road closures0

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

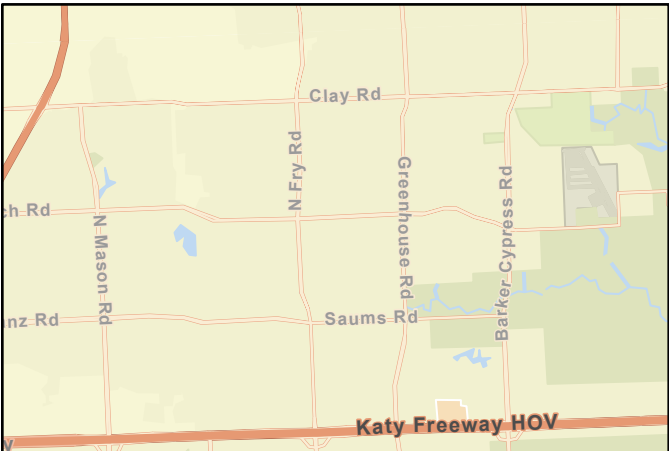
Negative impacts?NoNegative impacts description-

Water supply contributions?-Water supply contribution description-

Estimated Cost

Project Cost\$27,817,750% Nature-Based-BCR0.73

Recurring costs\$1,685,341Issues-



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 Harris County Flood Control District

RFPG recommend? - Reason for Recommendation -

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) - Emergency Need? No

Drainage area (mi² est.) 59

Associated FME's - County Harris

Associated FMS's - Associated FMP's -

Existing 100-Year Flood Risk

Flood risk type: Riverine? No 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) 23 Roadway(s) impacted (length) 31

Number of low water crossings 2 Historical road closures 3

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) -

Road removed from 100-yr (miles) 1 Low water crossings removed from 100-yr 0

Other benefits - Reduction in # of road closures over 10 years 0

Impacts

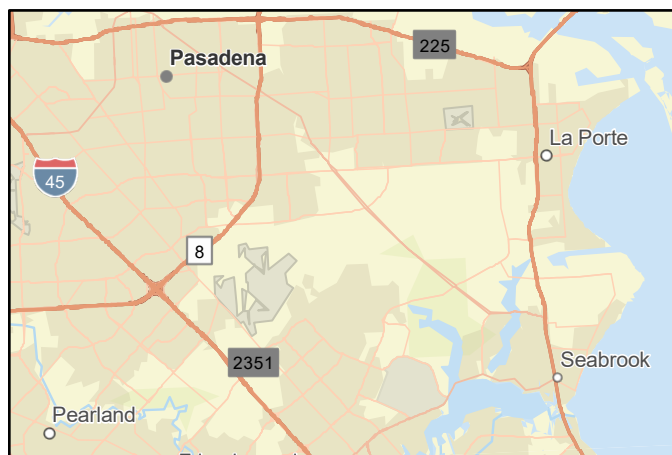
Negative impacts? No Negative impacts description -

Water supply contributions? No Water supply contribution description -

Estimated Cost

Project Cost \$34,850,000 % Nature-Based - BCR 0.01

Recurring costs - Issues -



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



TitleWarren Lake and Dam Retrofit

ID#063000320SponsorCoastal Prairie Conservancy

RFPG recommend?-Reason for Recommendation<Null>

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)120401020103Emergency Need?No

Drainage area (mi² est.)2

Associated FME's999999CountyHarris

Associated FMS's999999Associated FMP's999999

Existing 100-Year Flood Risk

Flood risk type:Riverine?YesCoastal?NoLocal?NoPlaya?NoOther?No

Population at risk94# of structures47Critical facilities0

Farm/Ranch land impacted (acres)183Roadway(s) impacted (length)-

Number of low water crossings0Historical road closures-

100-Year Flood Risk Reduction

Population removed from 100-yr94# of structures removed from 100-yr47

Critical facilities removed from 100-yr0Farm/Ranch land removed from 100-yr (acres)0

Road removed from 100-yr (miles)0Low water crossings removed from 100-yr0

Other benefits-Reduction in # of road closures over 10 years0

Impacts

Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Project Cost\$6,438,252% Nature-Based-BCR4.45

Recurring costs-Issues-



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 Harris County Flood Control District

RFPG recommend? - Reason for Recommendation -

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) - Emergency Need? No

Drainage area (mi² est.) 59

Associated FME's - County Harris

Associated FMS's - Associated FMP's -

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) 59 Roadway(s) impacted (length) 150

Number of low water crossings 4 Historical road closures 0

100-Year Flood Risk Reduction

Population removed from 100-yr - # of structures removed from 100-yr 230

Critical facilities removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) 1 Low water crossings removed from 100-yr 0

Other benefits - Reduction in # of road closures over 10 years 0

Impacts

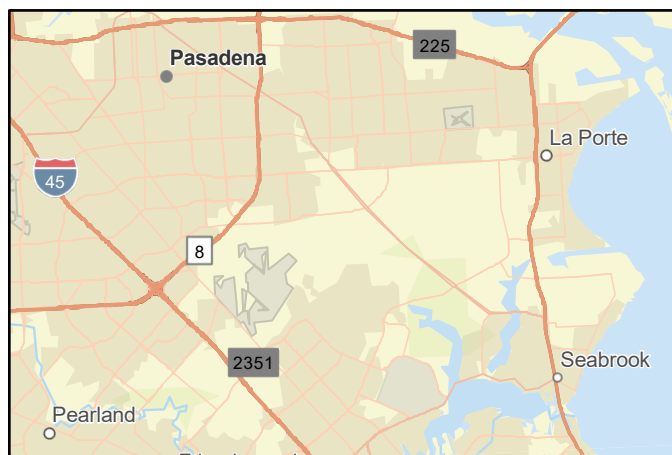
Negative impacts? No Negative impacts description -

Water supply contributions? - Water supply contribution description -

Estimated Cost

Project Cost \$9,450,000 % Nature-Based - BCR 0.81

Recurring costs - Issues -



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title	Blalock Road Drainage Improvement Project		
ID#	063000327	Sponsor	Piney Point Village (Municipality)
RFPG recommend?	-	Reason for Recommendation	-

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)	120401040303	Emergency Need?	No
		Drainage area (mi ² est.)	1
Associated FME's	-	County	Harris
Associated FMS's	-	Associated FMP's	-

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)	-	Roadway(s) impacted (length)	6							
Number of low water crossings	0	Historical road closures	-							

100-Year Flood Risk Reduction

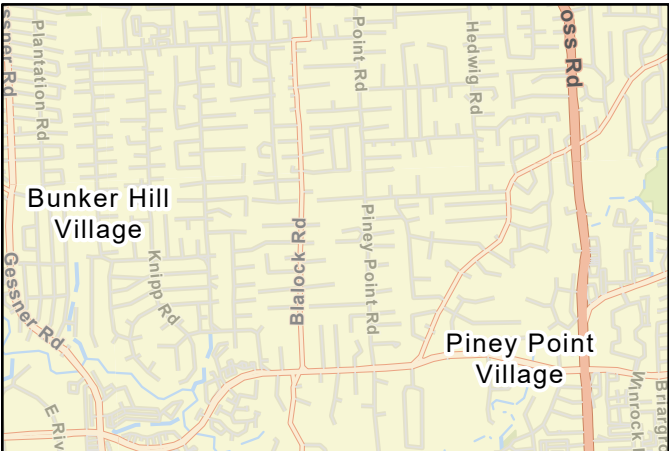
Population removed from 100-yr	498	# of structures removed from 100-yr	54
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	1	Low water crossings removed from 100-yr	0
Other benefits	-	Reduction in # of road closures over 10 years	0

Impacts

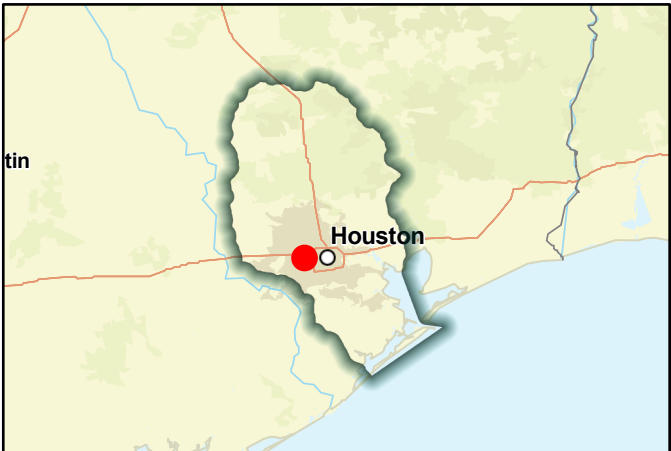
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	-	Water supply contribution description	-

Estimated Cost

Project Cost	\$19,323,500	% Nature-Based	-	BCR	0
Recurring costs	\$1,170,700	Issues	-		



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 Harris County Flood Control District

RFPG recommend? - Reason for Recommendation <Null>

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) - Emergency Need? No

Drainage area (mi² est.) 23

Associated FME's - County Fort Bend,Harris

Associated FMS's - Associated FMP's -

Existing 100-Year Flood Risk

Flood risk type: Riverine? No 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) 5 Roadway(s) impacted (length) 95

Number of low water crossings 0 Historical road closures 0

100-Year Flood Risk Reduction

Population removed from 100-yr 16486 # of structures removed from 100-yr 2009

Critical facilities removed from 100-yr 29 Farm/Ranch land removed from 100-yr (acres) 0

Road removed from 100-yr (miles) 150 Low water crossings removed from 100-yr 0

Other benefits - Reduction in # of road closures over 10 years 0

Impacts

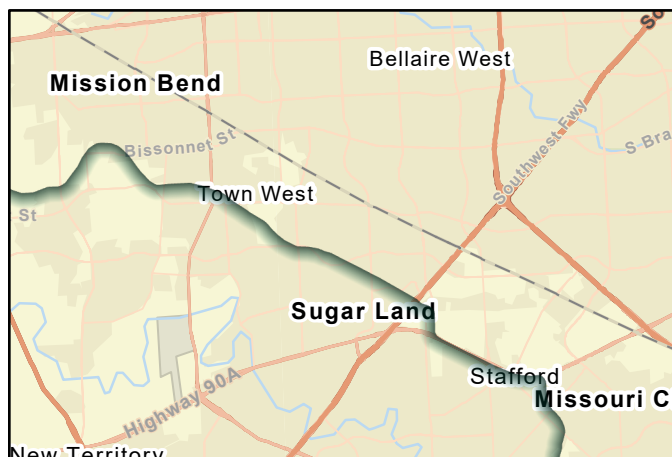
Negative impacts? No Negative impacts description -

Water supply contributions? - Water supply contribution description -

Estimated Cost

Project Cost \$190,218,000 % Nature-Based - BCR 0.94

Recurring costs - Issues -



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Goose Creek Flood Risk Reduction**

ID# **063000334** Sponsor **Harris County Flood Control District**

RFPG recommend? **-** Reason for Recommendation **<Null>**

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) **-** Emergency Need? **No**
Drainage area (mi² est.) **27**
Associated FME's **-** County **Harris**
Associated FMS's **-** Associated FMP's **-**

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) **50** Roadway(s) impacted (length) **17**
Number of low water crossings **1** Historical road closures **1**

100-Year Flood Risk Reduction

Population removed from 100-yr **1283** # 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** Low water crossings removed from 100-yr **0**
Other benefits **-** Reduction in # of road closures over 10 years **0**

Impacts

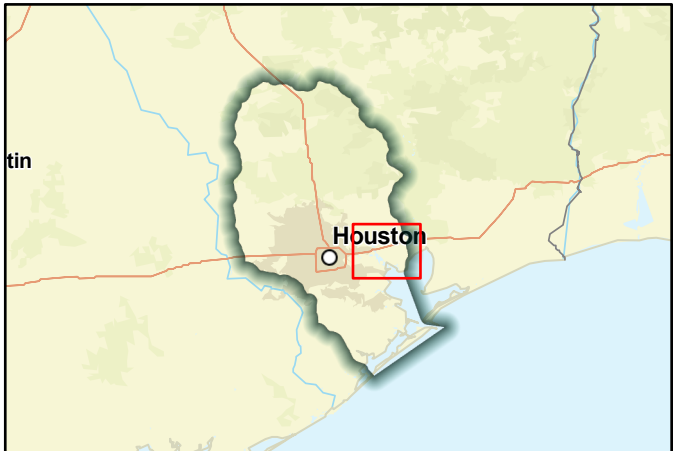
Negative impacts? **No** Negative impacts description **-**
Water supply contributions? **-** Water supply contribution description **-**

Estimated Cost

Project Cost **\$46,493,360** % Nature-Based **-** BCR **0.48**
Recurring costs **-** Issues **-**



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 Harris County Flood Control District

RFPG recommend? - Reason for Recommendation <Null>

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) - Emergency Need? No

Drainage area (mi² est.) 56

Associated FME's - County Harris

Associated FMS's - Associated FMP's -

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) 60 Roadway(s) impacted (length) 27

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 Low water crossings removed from 100-yr 0

Other benefits Environmental Reduction in # of road closures over 10 years 0

Impacts

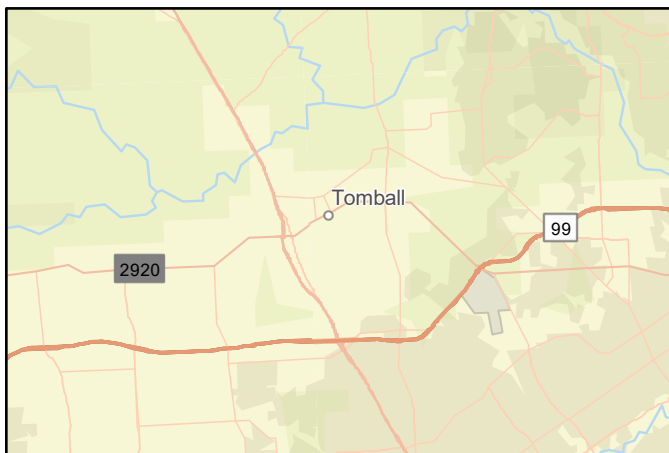
Negative impacts? No Negative impacts description -

Water supply contributions? - Water supply contribution description -

Estimated Cost

Project Cost \$64,900,000 % Nature-Based - BCR 0.68

Recurring costs - Issues -



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

Harris County Flood Control District

RFPG recommend?

-

Reason for Recommendation

<Null>

Project Description

This project includes a stormwater detention basin that compliments the federal project on White Oak Bayou.

Watershed HUC# (if known)

-

Emergency Need?

No

Drainage area (mi² est.)

79

Associated FME's

-

County

Harris

Associated FMS's

-

Associated FMP's

-

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)

22

Roadway(s) impacted (length)

121

Number of low water crossings

2

Historical road closures

2

100-Year Flood Risk Reduction

Population removed from 100-yr

3011

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

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?

-

Water supply contribution description

-

Estimated Cost

Project Cost

\$42,600,000

% Nature-Based

-

BCR

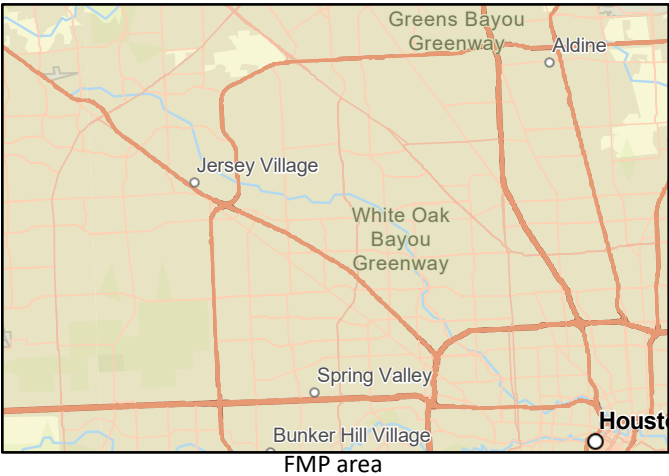
1.89

Recurring costs

-

Issues

-



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 Harris County Flood Control District

RFPG recommend? - Reason for Recommendation -

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) 120401020104,120401020106,12040102010 Emergency Need? No

Drainage area (mi² est.) 119

Associated FME's - County Harris

Associated FMS's - Associated FMP's -

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) 90 Roadway(s) impacted (length) 264

Number of low water crossings 0 Historical road closures 3

100-Year Flood Risk Reduction

Population removed from 100-yr 9880 # of structures removed from 100-yr 2814

Critical facilities removed from 100-yr 18 Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) 27 Low water crossings removed from 100-yr 0

Other benefits - Reduction in # of road closures over 10 years 0

Impacts

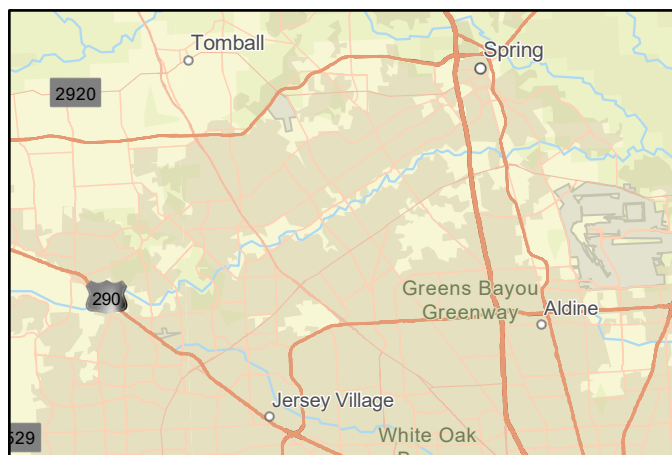
Negative impacts? No Negative impacts description -

Water supply contributions? No Water supply contribution description -

Estimated Cost

Project Cost \$550,000,000 % Nature-Based - BCR 0.284

Recurring costs \$91,000 Issues -



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 Harris County Flood Control District

RFPG recommend? - Reason for Recommendation <Null>

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) - Emergency Need? No

Drainage area (mi² est.) 22

Associated FME's - County Harris, Montgomery

Associated FMS's - Associated FMP's -

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 Roadway(s) impacted (length) 2

Number of low water crossings 0 Historical road closures 0

100-Year Flood Risk Reduction

Population removed from 100-yr 3244 # 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 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? - Water supply contribution description -

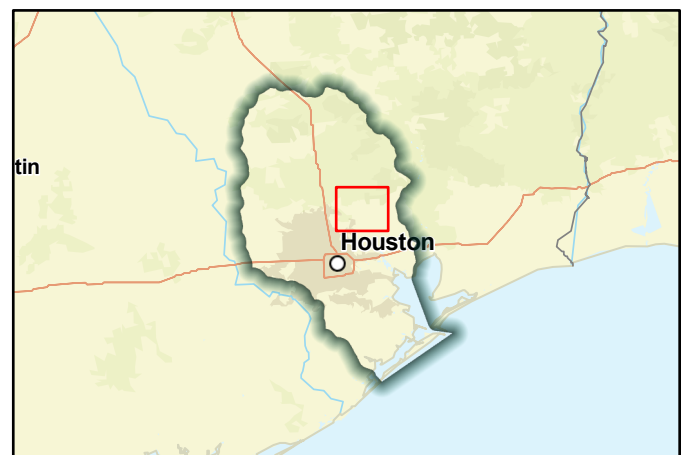
Estimated Cost

Project Cost \$62,938,000 % Nature-Based - BCR 0.03

Recurring costs - Issues -



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



TitleDesign and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)

ID#063000389SponsorHarris County Flood Control District

RFPG recommend?-Reason for Recommendation-

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)120401040302,120401040304Emergency Need?No

Drainage area (mi² est.)7

Associated FME's-CountyHarris

Associated FMS's-Associated FMP's-

Existing 100-Year Flood Risk

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Population at risk36,556# of structures14,652Critical facilities155

Farm/Ranch land impacted (acres)6Roadway(s) impacted (length)140

Number of low water crossings0Historical road closures0

100-Year Flood Risk Reduction

Population removed from 100-yr0# of structures removed from 100-yr0

Critical facilities removed from 100-yr1Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)1Low water crossings removed from 100-yr0

Other benefits-Reduction in # of road closures over 10 years0

Impacts

Negative impacts?NoNegative impacts description-

Water supply contributions?-Water supply contribution description-

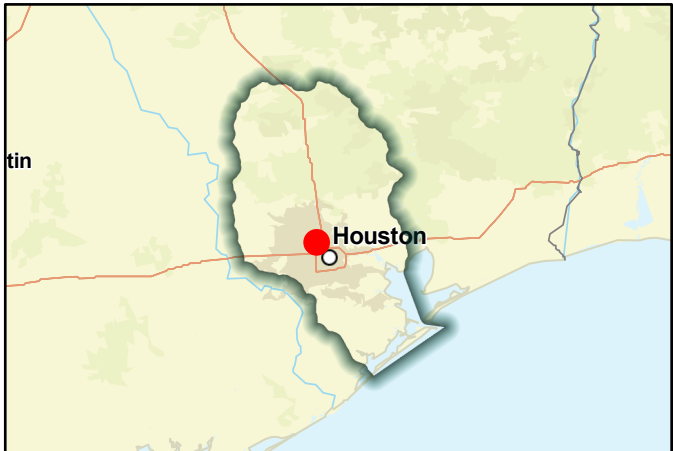
Estimated Cost

Project Cost\$8,375,000% Nature-Based-BCR1.47

Recurring costs-Issues-



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 Harris County Flood Control District

RFPG recommend? - Reason for Recommendation -

Project Description

This project provides for design and construction for the second phase of the Aldine Westfield North Detention Basin in the Halls Bayou watershed.

Watershed HUC# (if known) - Emergency Need? No

Drainage area (mi² est.) 52

Associated FME's - County -

Associated FMS's - Associated FMP's -

Existing 100-Year Flood Risk

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Population at risk 9,316 # of structures 3,412 Critical facilities 3

Farm/Ranch land impacted (acres) 3 Roadway(s) impacted (length) 22

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) -

Road removed from 100-yr (miles) 0 Low water crossings removed from 100-yr 0

Other benefits - Reduction in # of road closures over 10 years 0

Impacts

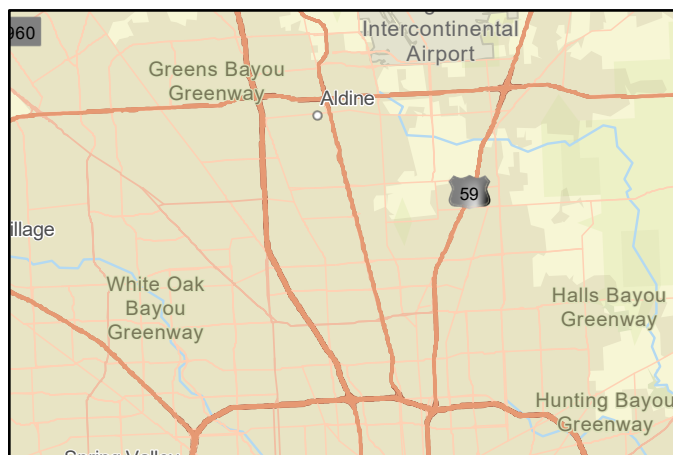
Negative impacts? No Negative impacts description -

Water supply contributions? No Water supply contribution description -

Estimated Cost

Project Cost \$10,371,000 % Nature-Based - BCR 0

Recurring costs \$415,000 Issues -



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



TitleHalls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02

ID#063000397SponsorHarris County Flood Control District

RFPG recommend?-Reason for Recommendation-

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)120401040605,120401040601,12040104030Emergency Need?No

Drainage area (mi² est.)2

Associated FME's-CountyHarris

Associated FMS's-Associated FMP's-

Existing 100-Year Flood Risk

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Population at risk1,108# of structures289Critical facilities0

Farm/Ranch land impacted (acres)-Roadway(s) impacted (length)2

Number of low water crossings0Historical road closures1

100-Year Flood Risk Reduction

Population removed from 100-yr1109# of structures removed from 100-yr286

Critical facilities removed from 100-yr0Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)23Low water crossings removed from 100-yr0

Other benefits-Reduction in # of road closures over 10 years0

Impacts

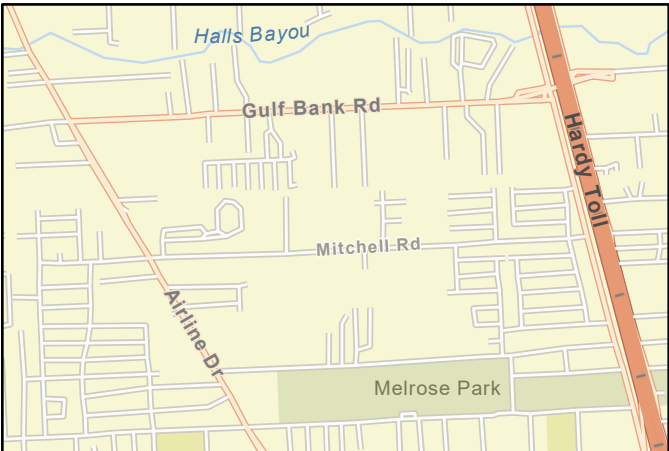
Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Project Cost\$31,317,000% Nature-Based-BCR0.482

Recurring costs-Issues-



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

TitleHalls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01

ID#063000399SponsorHarris County Flood Control District

RFPG recommend?-Reason for Recommendation-



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)120401040605,120401040601,12040104030Emergency Need?No

Drainage area (mi² est.)52

Associated FME's-CountyHarris

Associated FMS's-Associated FMP's-

Existing 100-Year Flood Risk

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Population at risk38,873# of structures13,531Critical facilities92

Farm/Ranch land impacted (acres)14Roadway(s) impacted (length)137

Number of low water crossings7Historical road closures1

100-Year Flood Risk Reduction

Population removed from 100-yr3088# of structures removed from 100-yr952

Critical facilities removed from 100-yr3Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)5Low water crossings removed from 100-yr0

Other benefits-Reduction in # of road closures over 10 years0

Impacts

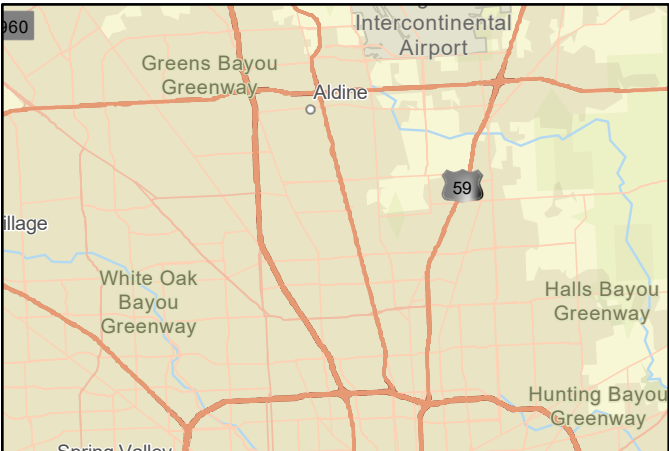
Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Project Cost\$14,938,614% Nature-Based-BCR0.958

Recurring costs-Issues-



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)

TitleHalls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00

ID#063000400SponsorHarris County Flood Control District

RFPG recommend?-Reason for Recommendation-



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)120401040605,120401040601,12040104030Emergency Need?No

Drainage area (mi² est.)6

Associated FME's -CountyHarris

Associated FMS's -Associated FMP's -

Existing 100-Year Flood Risk

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Population at risk1,083# of structures326Critical facilities5

Farm/Ranch land impacted (acres)0Roadway(s) impacted (length)3

Number of low water crossings5Historical road closures1

100-Year Flood Risk Reduction

Population removed from 100-yr1811# of structures removed from 100-yr325

Critical facilities removed from 100-yr5Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)26Low water crossings removed from 100-yr0

Other benefits -Reduction in # of road closures over 10 years0

Impacts

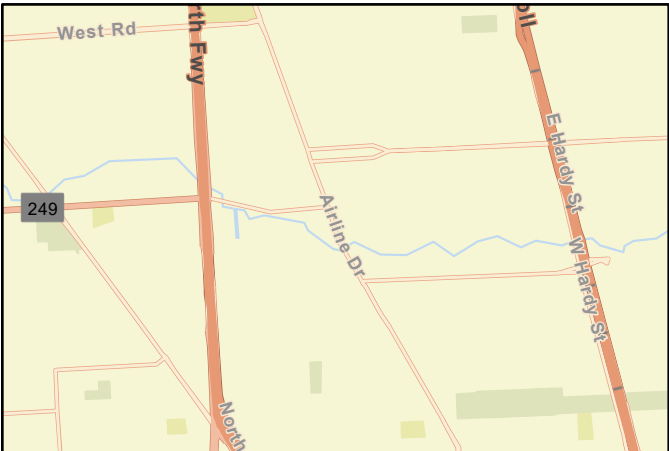
Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

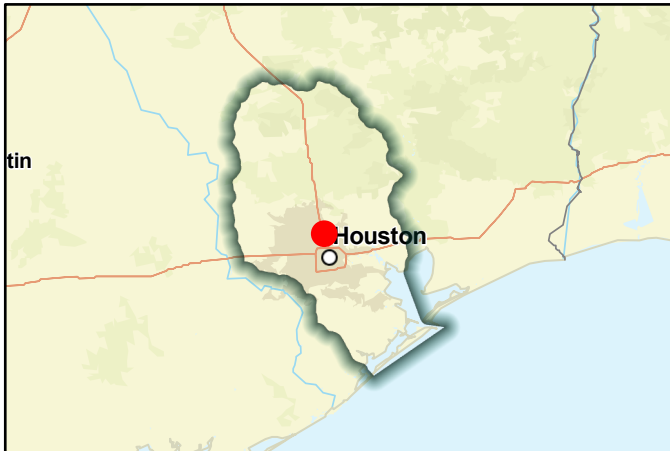
Estimated Cost

Project Cost\$23,679,032% Nature-Based -BCR2.18

Recurring costs\$1,420,742Issues -



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 Harris County Flood Control District

RFPG recommend? - Reason for Recommendation -

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) - Emergency Need? No
Drainage area (mi² est.) 67

Associated FME's - County Harris

Associated FMS's - Associated FMP's -

Existing 100-Year Flood Risk

Flood risk type: Riverine? No 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) 39 Roadway(s) impacted (length) 67

Number of low water crossings 2 Historical road closures 0

100-Year Flood Risk Reduction

Population removed from 100-yr 3664 # of structures removed from 100-yr 379

Critical facilities removed from 100-yr 8 Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) 14 Low water crossings removed from 100-yr 0

Other benefits - Reduction in # of road closures over 10 years 0

Impacts

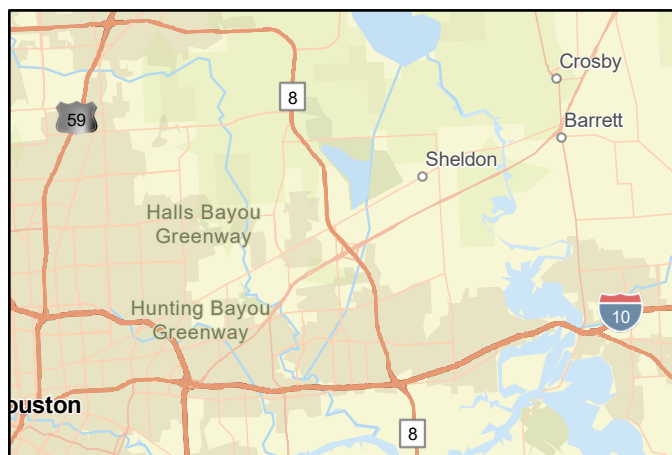
Negative impacts? No Negative impacts description -

Water supply contributions? No Water supply contribution description -

Estimated Cost

Project Cost \$30,360,000 % Nature-Based - BCR 0.46

Recurring costs - Issues -



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 **Baytown (Municipality)**

RFPG recommend? - Reason for Recommendation **<Null>**

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) - Emergency Need? **No**

Drainage area (mi² est.) **48**

Associated FME's - County **Chambers,Harris**

Associated FMS's - Associated FMP's -

Existing 100-Year Flood Risk

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Population at risk **428** # of structures **137** Critical facilities **0**

Farm/Ranch land impacted (acres) - Roadway(s) impacted (length) **5**

Number of low water crossings **0** Historical road closures -

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) -

Road removed from 100-yr (miles) **10** Low water crossings removed from 100-yr **0**

Other benefits - Reduction in # of road closures over 10 years **0**

Impacts

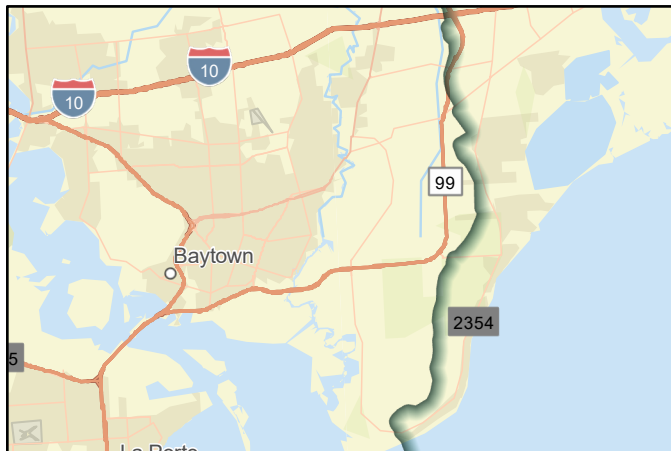
Negative impacts? **No** Negative impacts description -

Water supply contributions? - Water supply contribution description -

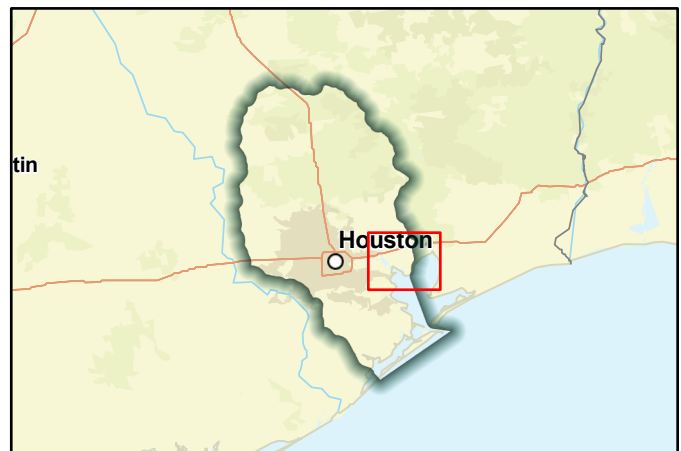
Estimated Cost

Project Cost **\$18,467,088** % Nature-Based - BCR **0.96**

Recurring costs - Issues -



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



TitleCity of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I

ID#063000424SponsorFriendswood (Municipality)

RFPG recommend?-Reason for Recommendation<Null>

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)120402040200,120402040100Emergency Need?No

Drainage area (mi² est.)21

Associated FME's999999CountyGalveston,Harris

Associated FMS's999999Associated FMP's999999

Existing 100-Year Flood Risk

Flood risk type:Riverine?NoCoastal?NoLocal?YesPlaya?NoOther?No

Population at risk16,927# of structures4,952Critical facilities189

Farm/Ranch land impacted (acres)728Roadway(s) impacted (length)575

Number of low water crossings11Historical road closures11

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr172

Critical facilities removed from 100-yr2Farm/Ranch land removed from 100-yr (acres)2.84645985

Road removed from 100-yr (miles)7Low water crossings removed from 100-yr0

Other benefits-Reduction in # of road closures over 10 years0

Impacts

Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Project Cost\$65,800,000% Nature-Based-BCR0.03

Recurring costs\$10,000Issues-



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



TitleRivershire West - Grand Lake Creek Watershed

ID#063000453SponsorConroe (Municipality)

RFPG recommend?-Reason for Recommendation<Null>

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)120401010207,120401010401Emergency Need?No

Drainage area (mi² est.)2

Associated FME's-CountyMontgomery

Associated FMS's-Associated FMP's-

Existing 100-Year Flood Risk

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Population at risk1,890# of structures690Critical facilities10

Farm/Ranch land impacted (acres)2Roadway(s) impacted (length)11

Number of low water crossings0Historical road closures0

100-Year Flood Risk Reduction

Population removed from 100-yr566# of structures removed from 100-yr100

Critical facilities removed from 100-yr1Farm/Ranch land removed from 100-yr (acres)0

Road removed from 100-yr (miles)2Low water crossings removed from 100-yr0

Other benefits-Reduction in # of road closures over 10 years0

Impacts

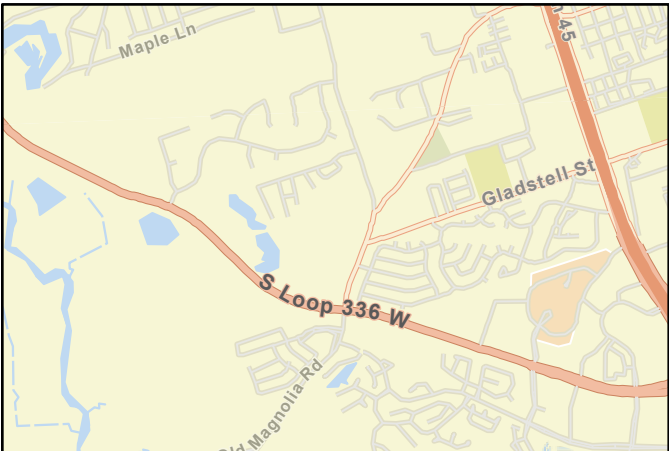
Negative impacts?NoNegative impacts description-

Water supply contributions?-Water supply contribution description-

Estimated Cost

Project Cost\$30,000,000% Nature-Based-BCR0.11

Recurring costs\$1,600,544Issues-



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 Harris County Flood Control District

RFPG recommend? - Reason for Recommendation -

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) 120401040604

Emergency Need? No

Drainage area (mi² est.) 52

Associated FME's -

County Harris

Associated FMS's -

Associated FMP's -

Existing 100-Year Flood Risk

Flood risk type: Riverine? - Coastal? - Local? - Playa? - Other? -

Population at risk 38,916 # of structures 13,748 Critical facilities 91

Farm/Ranch land impacted (acres) - Roadway(s) impacted (length) 127

Number of low water crossings 7 Historical road closures -

100-Year Flood Risk Reduction

Population removed from 100-yr 1037

of structures removed from 100-yr 292

Critical facilities removed from 100-yr 1

Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) 6

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? - Water supply contribution description -

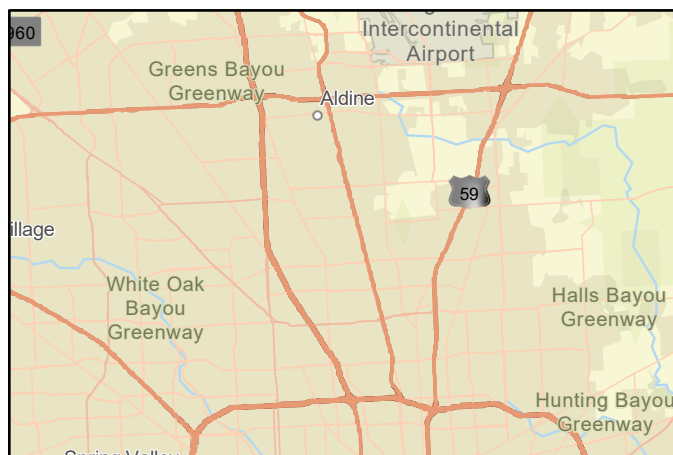
Estimated Cost

Project Cost \$35,250,000

% Nature-Based - BCR 0.49

Recurring costs \$1,783,197

Issues -



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



TitleHalls Bayou Drainage Project Bond C-01

ID#063000470SponsorHarris County Flood Control District

RFPG recommend?-Reason for Recommendation-

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)120401040605,120401040601,12040104030Emergency Need?No

Drainage area (mi² est.)52

Associated FME's-CountyHarris

Associated FMS's-Associated FMP's-

Existing 100-Year Flood Risk

Flood risk type:Riverine?NoCoastal?NoLocal?NoPlaya?NoOther?Yes

Population at risk1,593# of structures677Critical facilities0

Farm/Ranch land impacted (acres)0Roadway(s) impacted (length)3

Number of low water crossings3Historical road closures1

100-Year Flood Risk Reduction

Population removed from 100-yr0# of structures removed from 100-yr677

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)3Low water crossings removed from 100-yr1

Other benefits-Reduction in # of road closures over 10 years1

Impacts

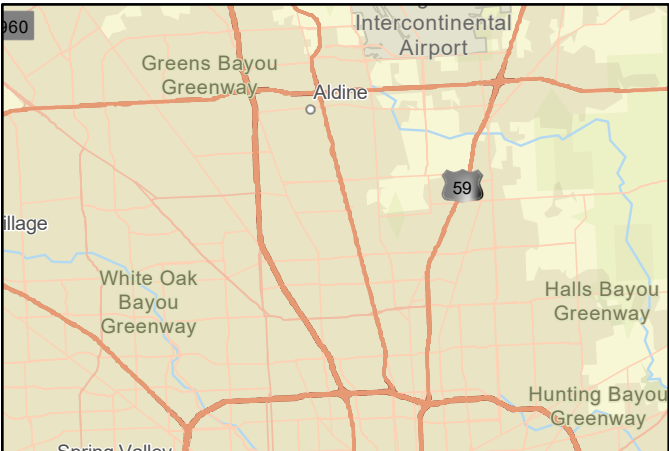
Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Project Cost\$22,385,161% Nature-Based-BCR2.31999993

Recurring costs\$710,716Issues-



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 Harris County Flood Control District

RFPG recommend? - Reason for Recommendation -

Project Description

This project provides for design and construction of four detention basins providing approximately 602 ac-ft of storage in the Halls Bayou watershed. Includes a half mile of channel improvements to P118-00-00.

Watershed HUC# (if known) - Emergency Need? No

Drainage area (mi² est.) 52

Associated FME's - County Harris

Associated FMS's - Associated FMP's -

Existing 100-Year Flood Risk

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Population at risk 1,936 # of structures 886 Critical facilities 13

Farm/Ranch land impacted (acres) 1 Roadway(s) impacted (length) 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) -

Road removed from 100-yr (miles) 1 Low water crossings removed from 100-yr 0

Other benefits - Reduction in # of road closures over 10 years 0

Impacts

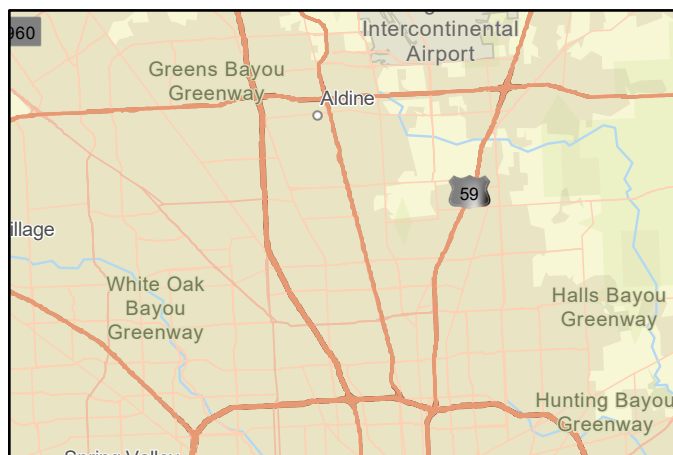
Negative impacts? No Negative impacts description -

Water supply contributions? No Water supply contribution description -

Estimated Cost

Project Cost \$38,230,000 % Nature-Based - BCR 0.18

Recurring costs \$0 Issues -



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 Harris County Flood Control District

RFPG recommend? - Reason for Recommendation -

Project Description

This project includes the design and construcion of three detention basins (226 ac-ft) along South Mayde Creek (U101-00-00).

Watershed HUC# (if known) - Emergency Need? No

Drainage area (mi² est.) 45

Associated FME's - County Harris,Waller

Associated FMS's - Associated FMP's -

Existing 100-Year Flood Risk

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Population at risk 8,067 # of structures 2,339 Critical facilities 43

Farm/Ranch land impacted (acres) 269 Roadway(s) impacted (length) 49

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) -

Road removed from 100-yr (miles) 0 Low water crossings removed from 100-yr 0

Other benefits - Reduction in # of road closures over 10 years 0

Impacts

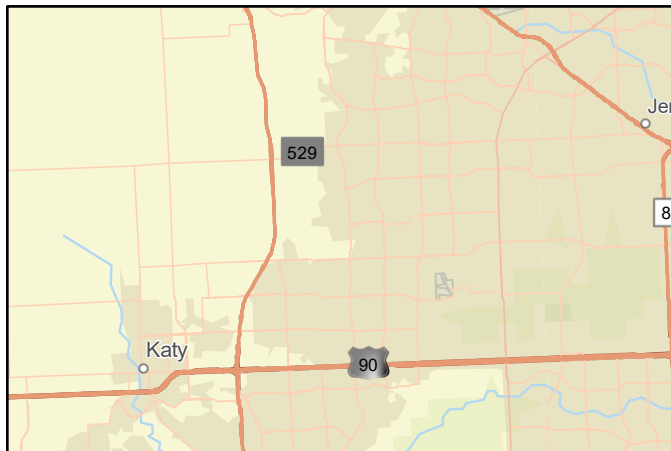
Negative impacts? No Negative impacts description -

Water supply contributions? No Water supply contribution description -

Estimated Cost

Project Cost \$11,440,000 % Nature-Based - BCR 0.18

Recurring costs - Issues -



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 **Harris County Flood Control District**

RFPG recommend? - Reason for Recommendation -

Project Description

This project includes three regional detention pond cells along Langham Creek within the Addicks Reservoir watershed to mitigate peak discharges expected with new development in the area.

Watershed HUC# (if known) - Emergency Need? **No**

Drainage area (mi² est.) **55**

Associated FME's - County **Harris**

Associated FMS's - Associated FMP's -

Existing 100-Year Flood Risk

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Population at risk **1,174** # of structures **234** Critical facilities **1**

Farm/Ranch land impacted (acres) **13** Roadway(s) impacted (length) **6**

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) **-**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits - Reduction in # of road closures over 10 years **0**

Impacts

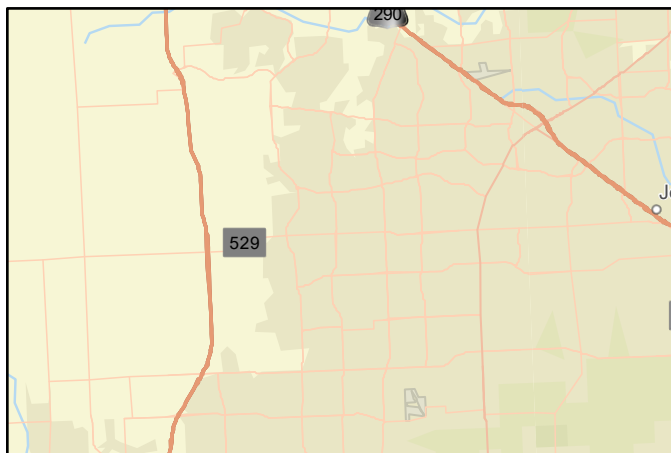
Negative impacts? **No** Negative impacts description -

Water supply contributions? **No** Water supply contribution description -

Estimated Cost

Project Cost **\$2,553,000** % Nature-Based - BCR **0.05**

Recurring costs - Issues -



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 Harris County Flood Control District

RFPG recommend? - Reason for Recommendation -

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) - Emergency Need? No

Drainage area (mi² est.) 201

Associated FME's - County -

Associated FMS's - Associated FMP's -

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) 316 Roadway(s) impacted (length) 446

Number of low water crossings 5 Historical road closures -

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

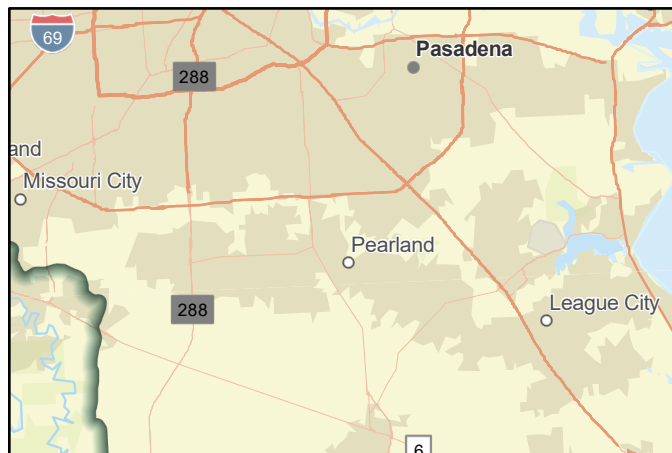
Negative impacts? No Negative impacts description -

Water supply contributions? No Water supply contribution description -

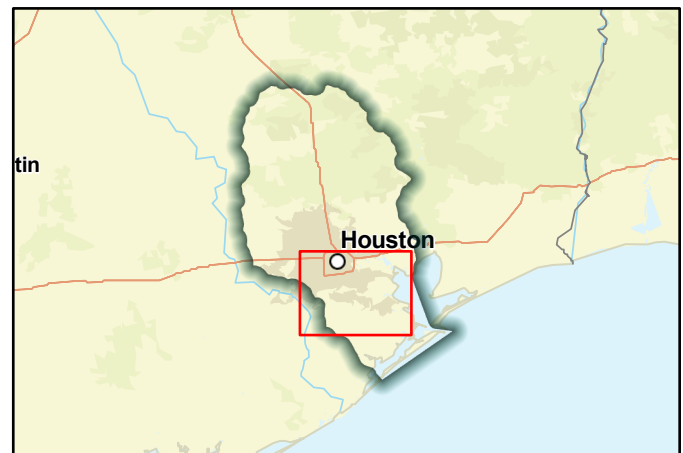
Estimated Cost

Project Cost \$295,267,680 % Nature-Based - BCR 0.54

Recurring costs \$582,554 Issues -



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 Harris County Flood Control District

RFPG recommend? - Reason for Recommendation -

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) - Emergency Need? No

Drainage area (mi² est.) 52

Associated FME's - County -

Associated FMS's - Associated FMP's -

Existing 100-Year Flood Risk

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Population at risk 13,690 # of structures 4,383 Critical facilities 23

Farm/Ranch land impacted (acres) 3 Roadway(s) impacted (length) 33

Number of low water crossings 2 Historical road closures -

100-Year Flood Risk Reduction

Population removed from 100-yr - # of structures removed from 100-yr 0

Critical facilities removed from 100-yr 6 Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) 12 Low water crossings removed from 100-yr 0

Other benefits - Reduction in # of road closures over 10 years 0

Impacts

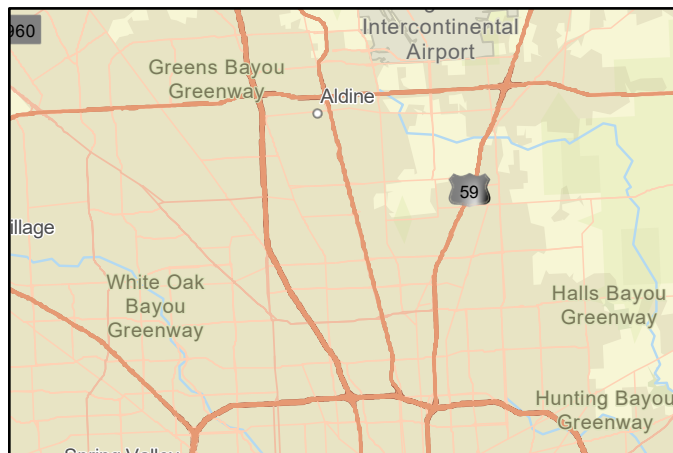
Negative impacts? No Negative impacts description -

Water supply contributions? No Water supply contribution description -

Estimated Cost

Project Cost \$40,780,000 % Nature-Based - BCR 0.21

Recurring costs \$481,200 Issues -



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 Harris County Flood Control District

RFPG recommend? - Reason for Recommendation -

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 HCFCF detention basin along K500-01-00 from 531 ac-ft to 9,336 ac-ft of storage.

Watershed HUC# (if known) 120401020104

Emergency Need? No

Drainage area (mi² est.) 274

Associated FME's -

County Harris

Associated FMS's -

Associated FMP's -

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Population at risk 0 # of structures 18,530 Critical facilities 144

Farm/Ranch land impacted (acres) - Roadway(s) impacted (length) 448

Number of low water crossings 4 Historical road closures -

100-Year Flood Risk Reduction

Population removed from 100-yr 7070 # of structures removed from 100-yr 1488

Critical facilities removed from 100-yr 10 Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) 22 Low water crossings removed from 100-yr 0

Other benefits - Reduction in # of road closures over 10 years 0

Impacts

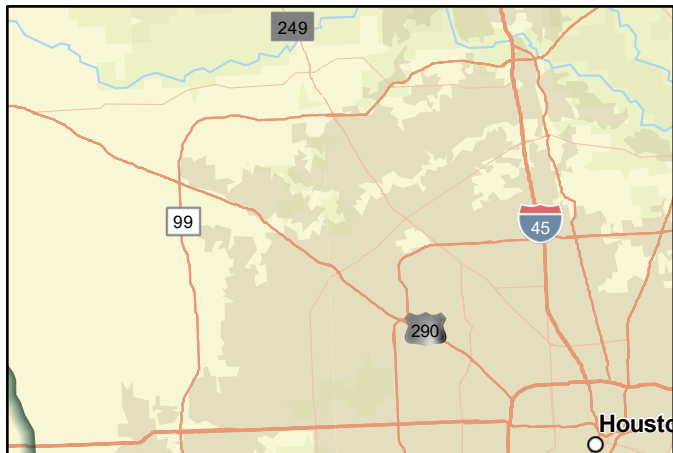
Negative impacts? No Negative impacts description -

Water supply contributions? - Water supply contribution description -

Estimated Cost

Project Cost \$345,329,984 % Nature-Based 0 BCR 0.391

Recurring costs \$20,921,852 Issues -



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 Harris County Flood Control District

RFPG recommend? - Reason for Recommendation -

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) - Emergency Need? No

Drainage area (mi² est.) 52

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 Roadway(s) impacted (length) 23

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) -

Road removed from 100-yr (miles) 1 Low water crossings removed from 100-yr 0

Other benefits - Reduction in # of road closures over 10 years 0

Impacts

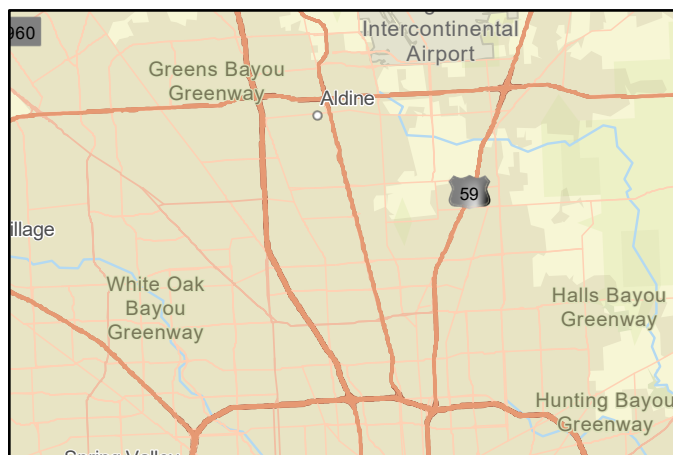
Negative impacts? No Negative impacts description -

Water supply contributions? No Water supply contribution description -

Estimated Cost

Project Cost \$32,052,767 % Nature-Based 0 BCR 0.38

Recurring costs \$709,154 Issues -



FMP area



Regional view of FMP area