

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) **Liberty (County)**

RFPG recommend? **-** Reason for Recommendation **-**

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? **-**

Emergency Need? **-**

Existing/Anticipated models in near term? **-**

County **Liberty**

Watershed HUC# (if known) **120401030201,120401030108,120401030109,120401030205,120401030**

Drainage area (Square miles, est.) **1,170**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **4,854**

of structures **3,618**

Critical facilities **8**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **1,379**

Roadway(s) impacted (length) **144**

Number of low water crossings **7**

Historical road closures **7**

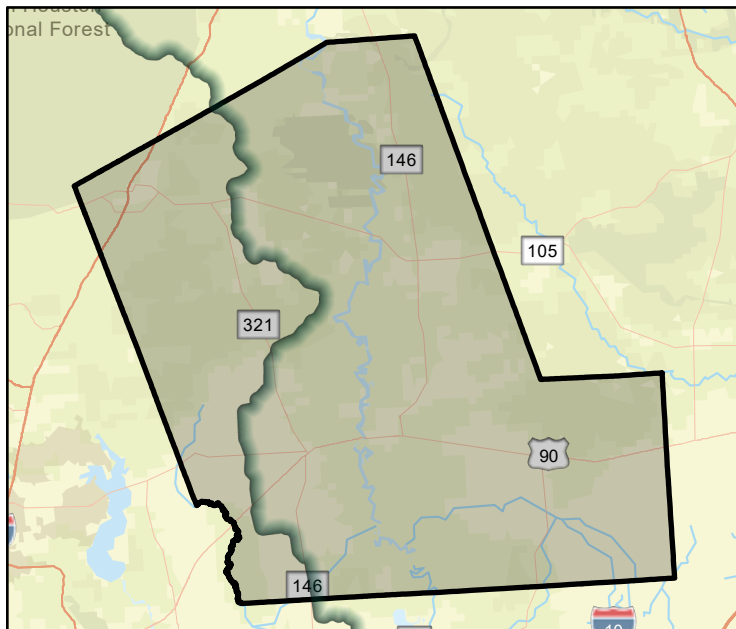
Estimated Cost and Funding Availability

Total Cost **\$100,000**

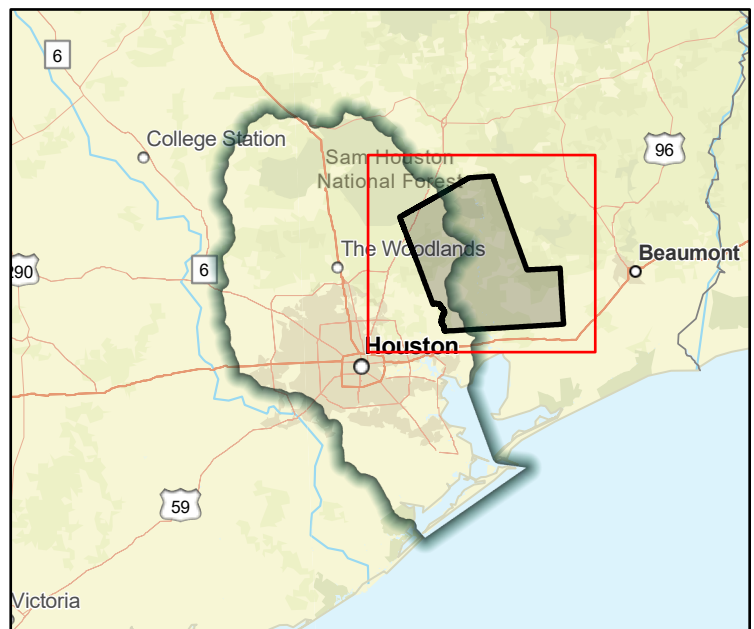
Amount of Available Funding **-**

Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Liberty County Drainage Projects

ID# 061000083

Sponsor (name of entity, not person) Liberty (County)

RFPG recommend? -

Reason for Recommendation -

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? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Liberty

Watershed HUC# (if known) 120401030201,120401030108,120401030109,120401030205,120401030

Drainage area (Square miles, est.) 1,170

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 4,854

of structures 3,618

Critical facilities 8

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 1,379

Roadway(s) impacted (length) 144

Number of low water crossings 7

Historical road closures 7

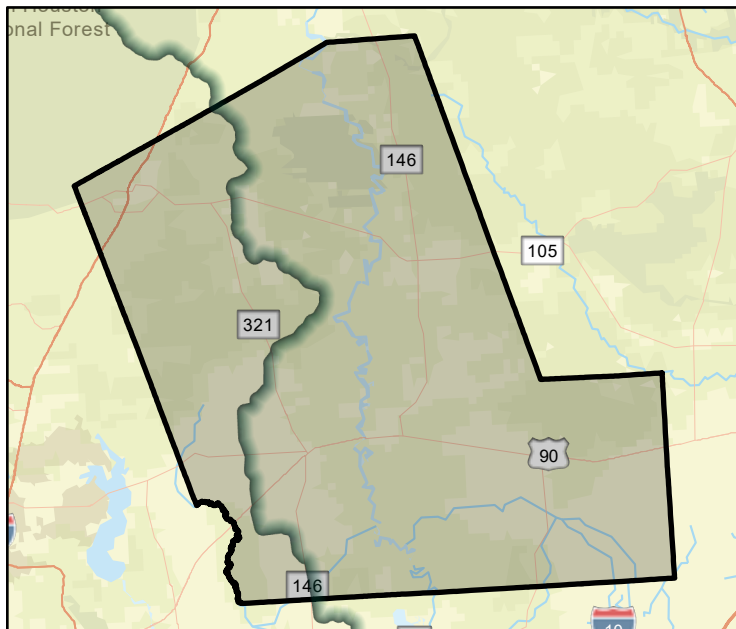
Estimated Cost and Funding Availability

Total Cost \$50,000

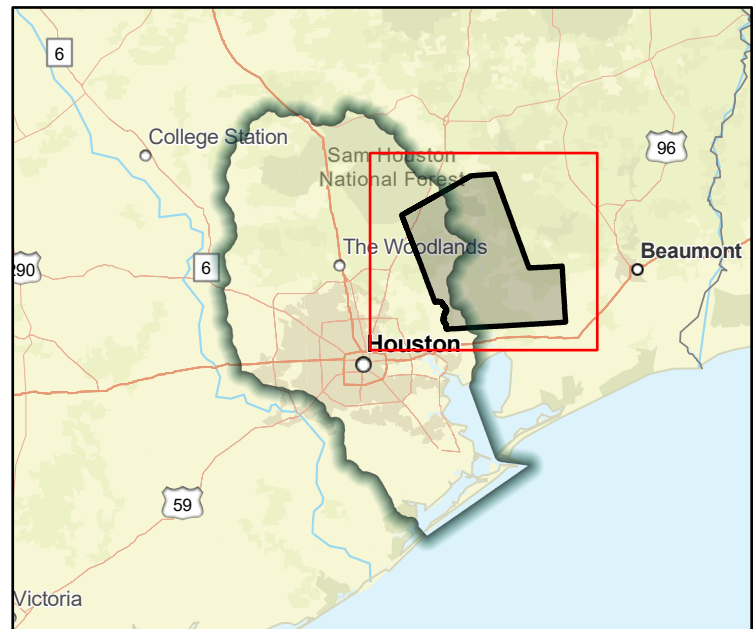
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Liberty County Regional Flood Drainage Plan

ID# 061000160

Sponsor (name of entity, not person) Liberty (County)

RFPG recommend? - Reason for Recommendation -

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? - Emergency Need? - Existing/Anticipated models in near term? -

County Liberty Watershed HUC# (if known) 120401030201,120401030108,120401030109,120401030205,120401030

Drainage area (Square miles, est.) 1,170 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 4,854 # of structures 3,618 Critical facilities 8

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

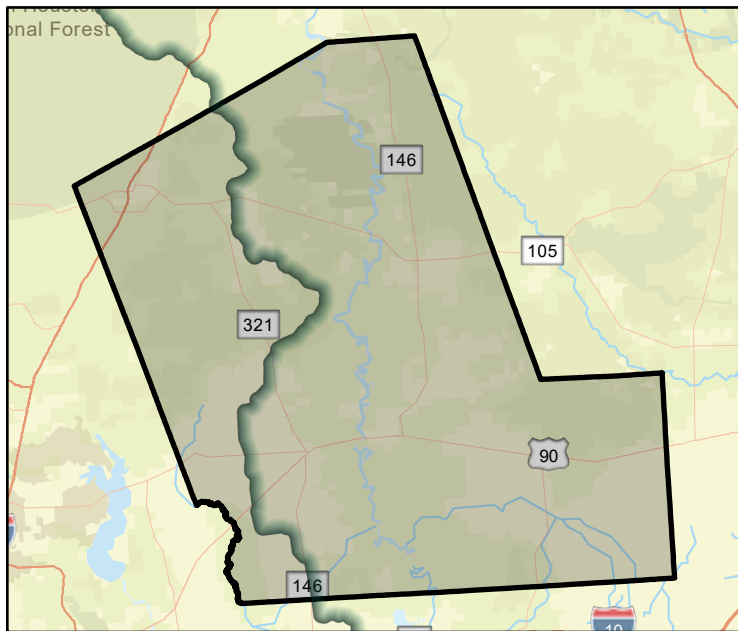
Farm/Ranch land impacted (acres) 1,379 Roadway(s) impacted (length) 144

Number of low water crossings 7 Historical road closures 7

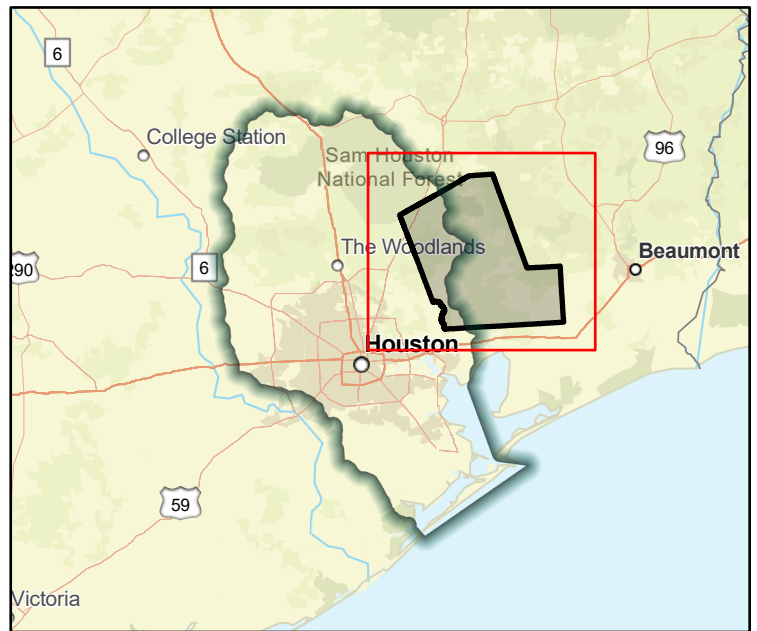
Estimated Cost and Funding Availability

Total Cost \$130,000 Amount of Available Funding - Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Lilly - Alligator Creek Watershed**

ID# **061000445**

Sponsor (name of entity, not person) **Conroe (Municipality)**

RFPG recommend? **-** Reason for Recommendation **-**

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

New Hydrologic or Hydraulic model? **-** Emergency Need? **-** Existing/Anticipated models in near term? **-**

County **Montgomery** Watershed HUC# (if known) **120401010207,120401010401**

Drainage area (Square miles, est.) **6** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **155,360** # of structures **33,653** Critical facilities **395**

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

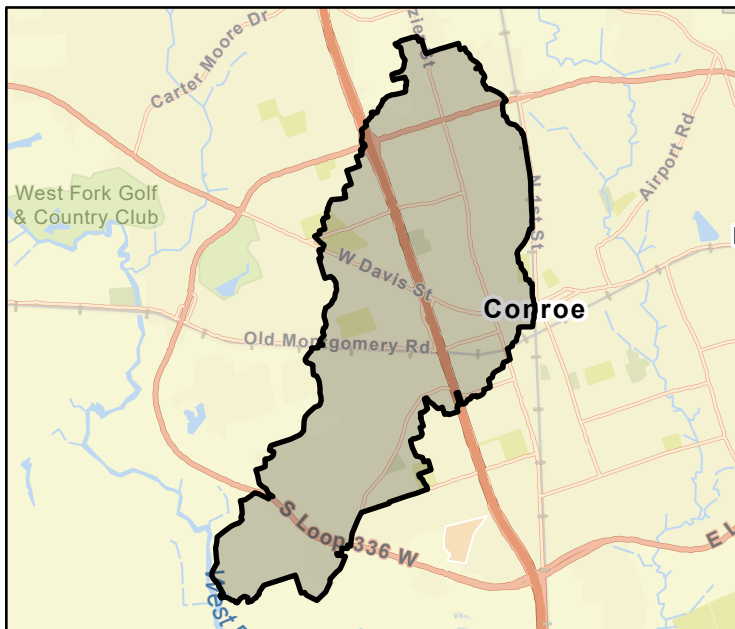
Farm/Ranch land impacted (acres) **597** Roadway(s) impacted (length) **578**

Number of low water crossings **16** Historical road closures **16**

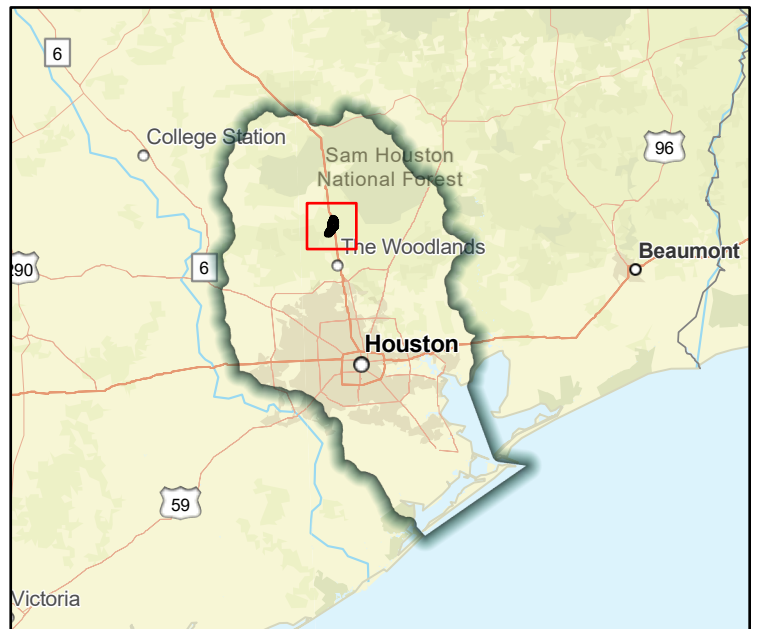
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Little Cypress Creek - L103-00-00

ID# 061000203

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? -

Reason for Recommendation -

Study Details

Study type Project Planning

Study description Further study of Flood Risk Reduction need identified through the HCFCF 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Harris

Watershed HUC# (if known) 120401020104,120401020106,120401020105

Drainage area (Square miles, est.) 5

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 265

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

Roadway(s) impacted (length) 3

Number of low water crossings 0

Historical road closures 0

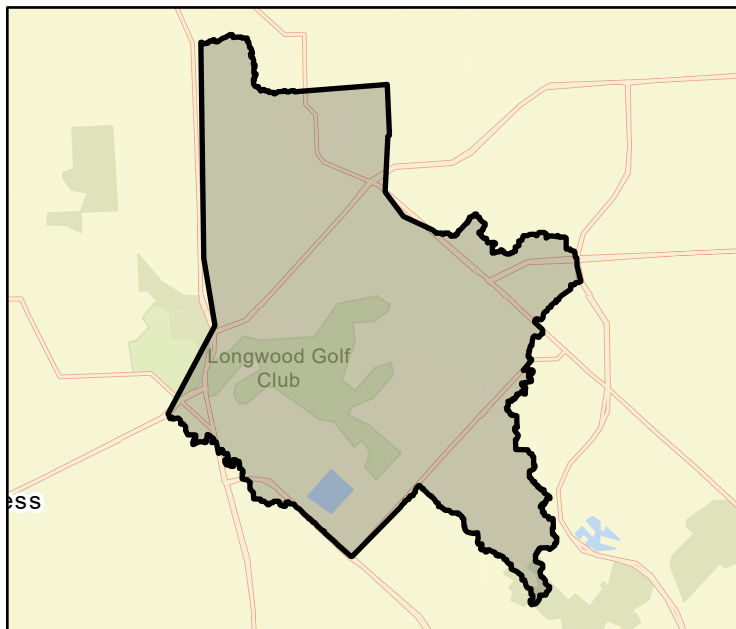
Estimated Cost and Funding Availability

Total Cost \$700,000

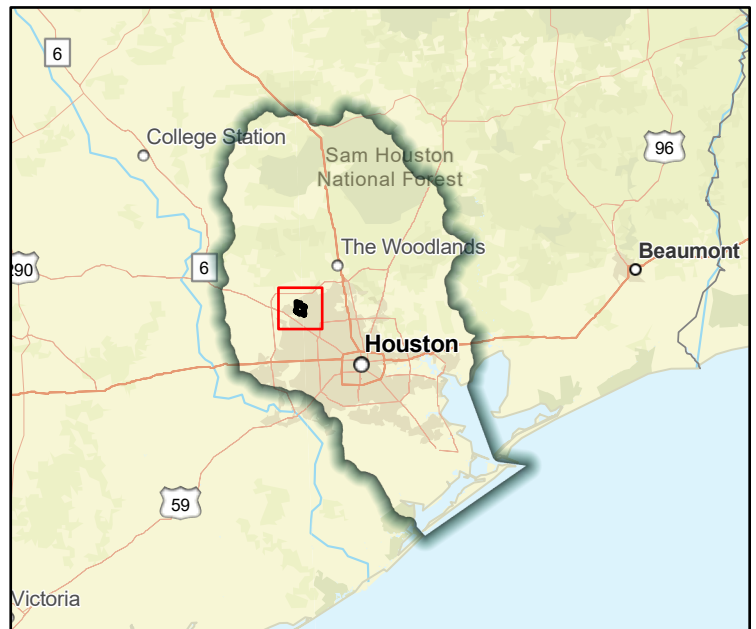
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Little Cypress Creek - L109-00-00

ID# 061000201

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? -

Reason for Recommendation -

Study Details

Study type Project Planning

Study description Further study of Flood Risk Reduction need identified through the HCFCF 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Harris

Watershed HUC# (if known) 120401020104,120401020105,120401020210

Drainage area (Square miles, est.) 6

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 520

of structures 178

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 13

Roadway(s) impacted (length) 2

Number of low water crossings 0

Historical road closures 0

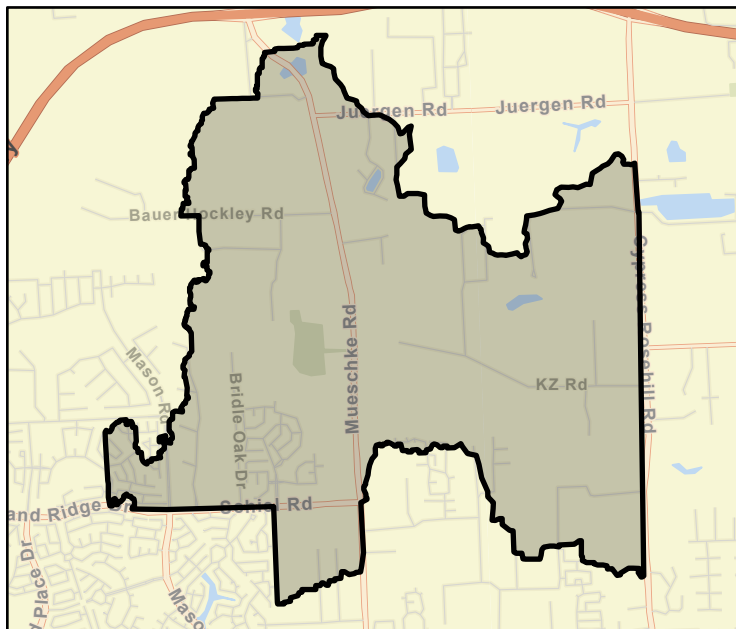
Estimated Cost and Funding Availability

Total Cost \$700,000

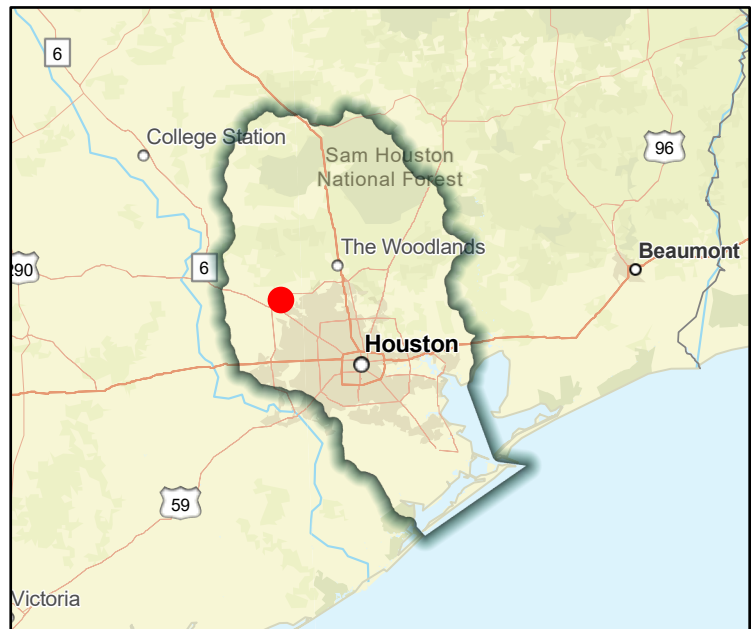
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



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REGION 6

Title Little Cypress Creek - L113-00-00

ID# 061000202

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? -

Reason for Recommendation -

Study Details

Study type Project Planning

Study description Further study of Flood Risk Reduction need identified through the HCFCF 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Harris

Watershed HUC# (if known) 120401020104,120401020105,120401020205

Drainage area (Square miles, est.) 15

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 472

of structures 182

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 8

Roadway(s) impacted (length) 4

Number of low water crossings 3

Historical road closures 3

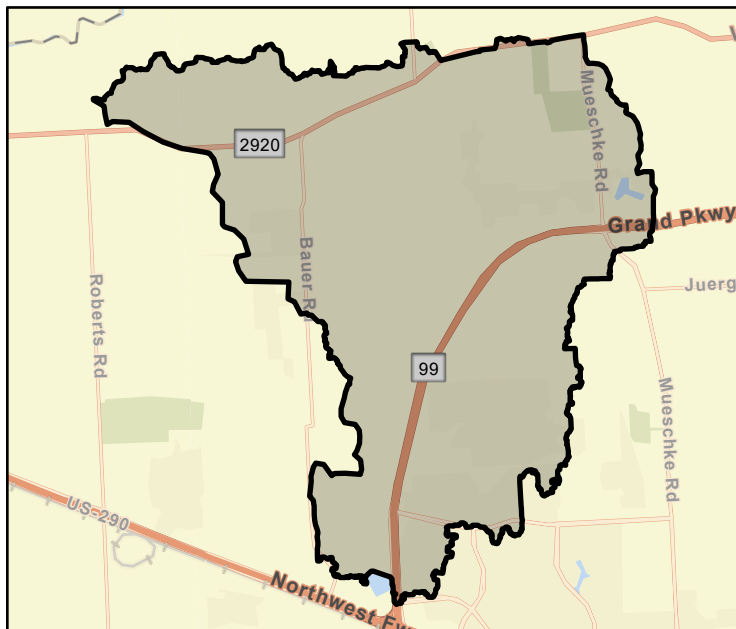
Estimated Cost and Funding Availability

Total Cost \$700,000

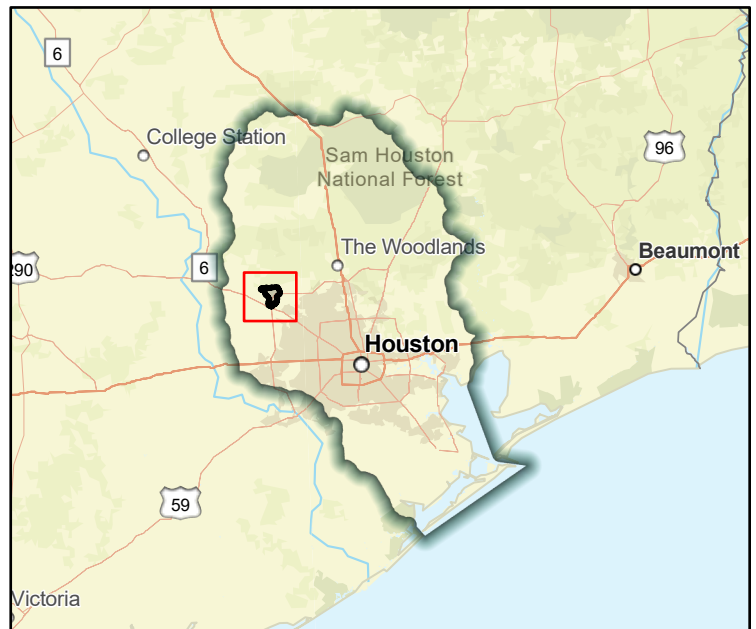
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

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) Harris County Flood Control District

RFPG recommend? -

Reason for Recommendation -



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REGION 6

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? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Harris

Watershed HUC# (if known) 120401020103,120401020104,120401020106,120401020101,120401020

Drainage area (Square miles, est.) 52

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 2,896

of structures 1,213

Critical facilities 15

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 192

Roadway(s) impacted (length) 19

Number of low water crossings 4

Historical road closures 4

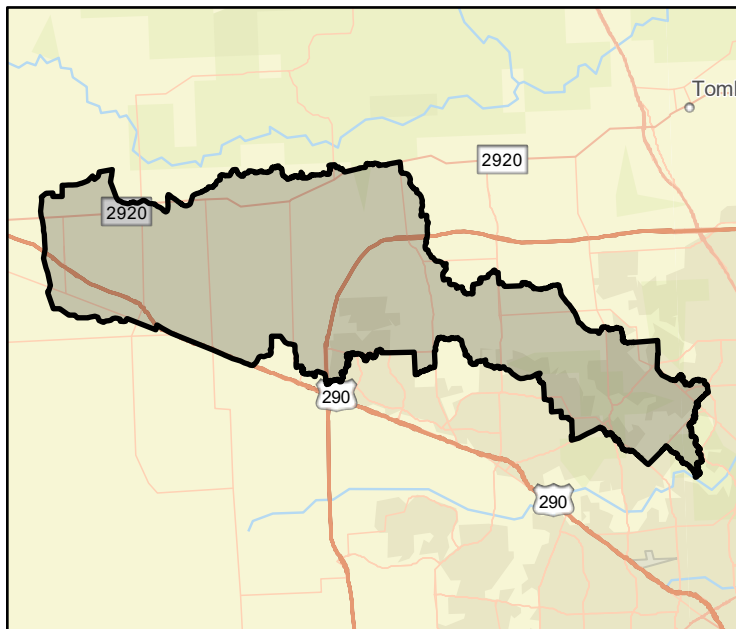
Estimated Cost and Funding Availability

Total Cost \$30,000

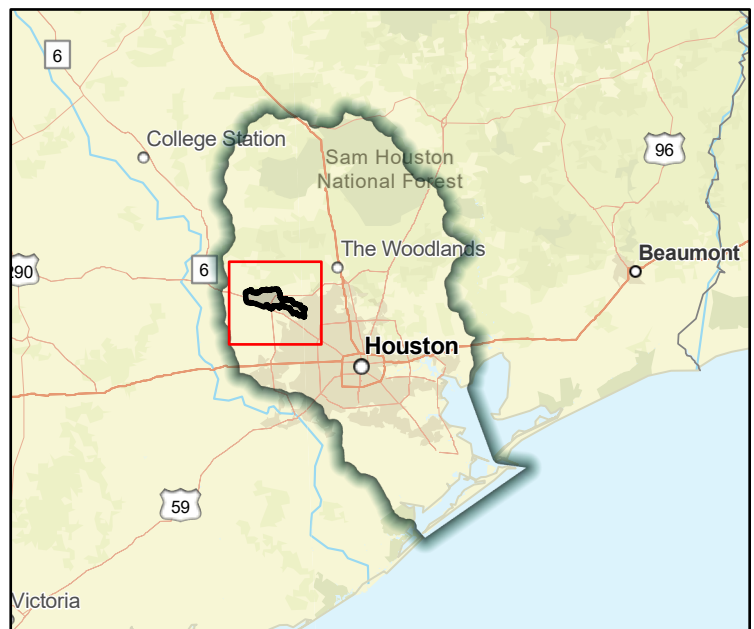
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



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REGION 6

Title Longmire and SH-105 - Live Oak Creek Watershed

ID# 061000462

Sponsor (name of entity, not person) Conroe (Municipality)

RFPG recommend? -

Reason for Recommendation -

Study Details

Study type Project Planning

Study description Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Montgomery

Watershed HUC# (if known) 120401010207,120401010401

Drainage area (Square miles, est.) 2

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 2,384

of structures 374

Critical facilities 7

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 7

Roadway(s) impacted (length) 10

Number of low water crossings 7

Historical road closures 7

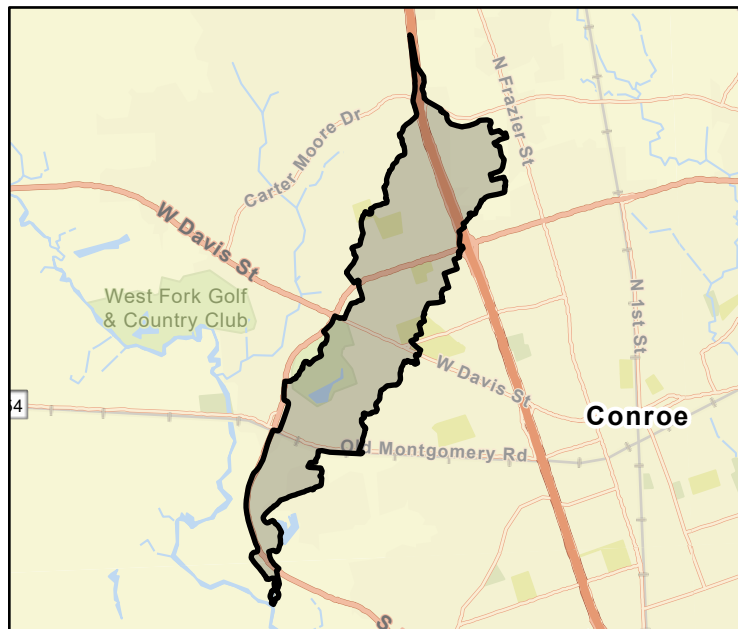
Estimated Cost and Funding Availability

Total Cost \$30,000

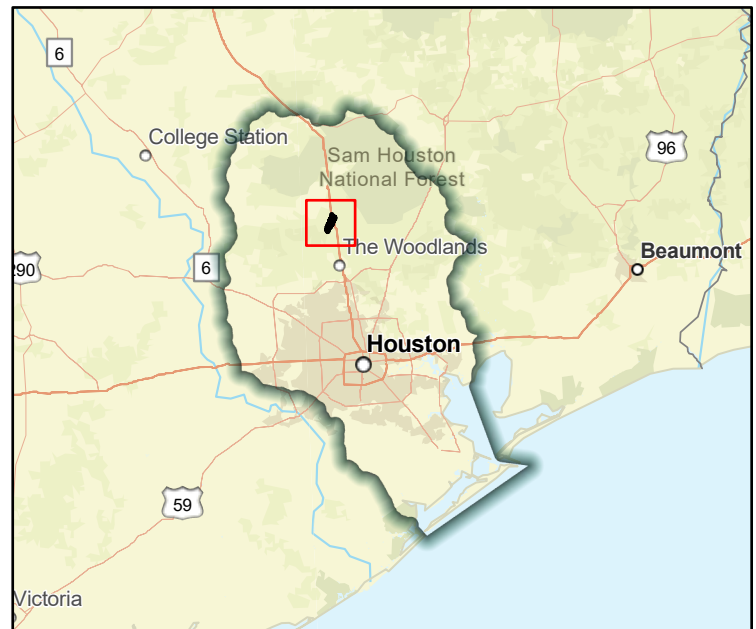
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Dickinson Bayou Alternative 2

ID# 061000022

Sponsor (name of entity, not person) League City (Municipality)

RFPG recommend? - Reason for Recommendation -

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? - Emergency Need? - Existing/Anticipated models in near term? -

County Brazoria, Galveston, Fort Watershed HUC# (if known) 120402040100

Drainage area (Square miles, est.) 86 Goal(s) 06000001, 06000011, 06000012, 06000015

100-Year Flood Risk Summary

Population at risk 64,095 # of structures 13,029 Critical facilities 147

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

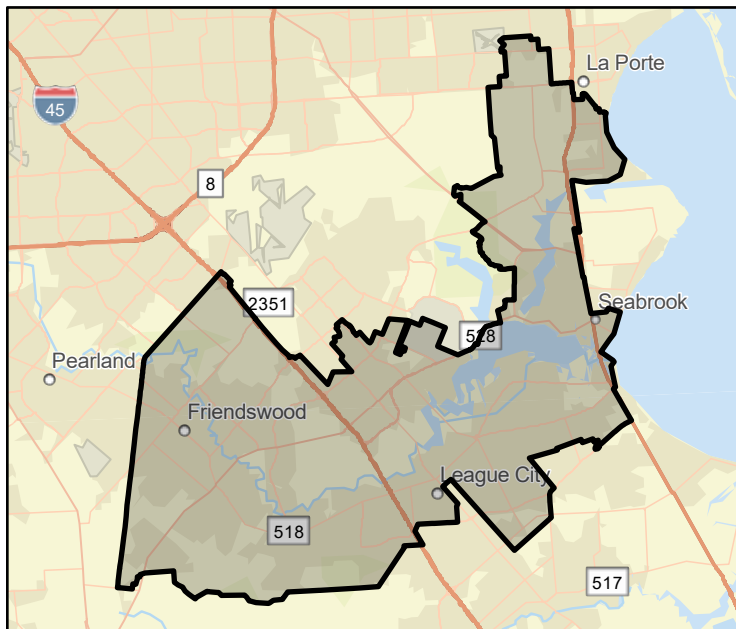
Farm/Ranch land impacted (acres) 129 Roadway(s) impacted (length) 240

Number of low water crossings 9 Historical road closures 9

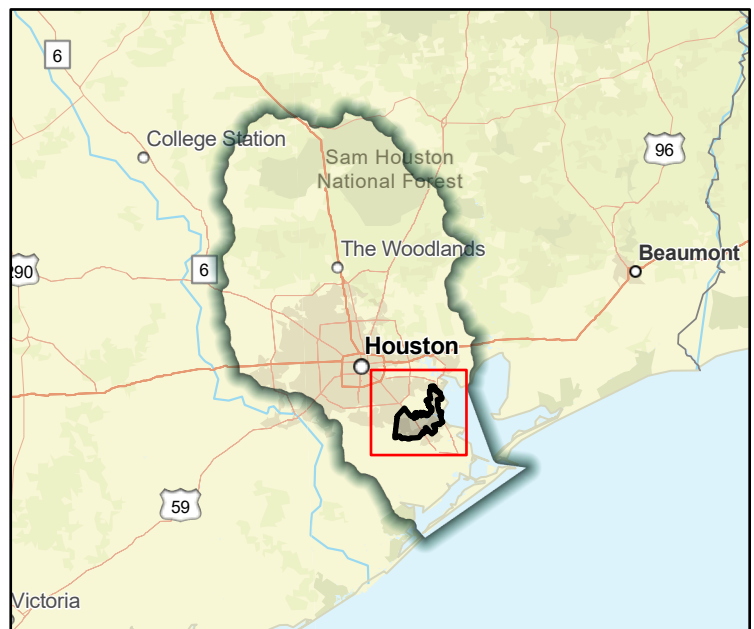
Estimated Cost and Funding Availability

Total Cost \$500,000 Amount of Available Funding - Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Lower Greens Feasibility Study

ID# 061000176

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? -

Reason for Recommendation -

Study Details

Study type Project Planning

Study description Feasibility study will identify the existing causes of flooding and solutions to reduce the risk of flooding in the lower stretch of Greens Bayou. Potential solutions channel conveyance improvements, detention, or bridge adjustments or replacements.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Harris

Watershed HUC# (if known) 120401010502,120401010501,120401020106,120401020107,120401040

Drainage area (Square miles, est.) 27

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 21,011

of structures 5,930

Critical facilities 58

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 2

Roadway(s) impacted (length) 68

Number of low water crossings 3

Historical road closures

3

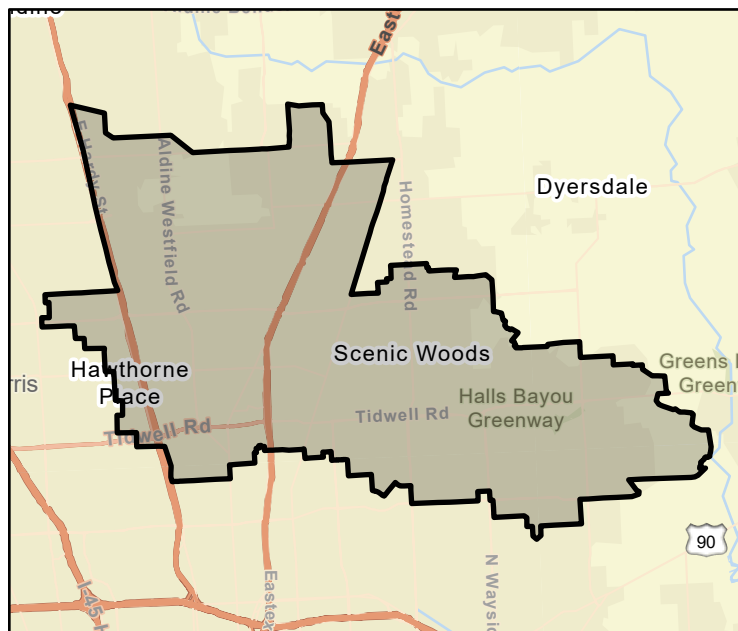
Estimated Cost and Funding Availability

Total Cost \$30,000

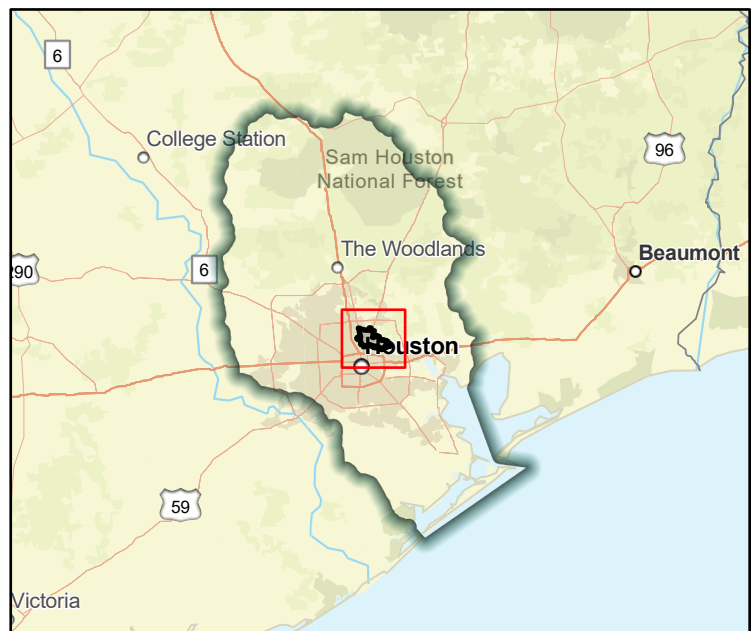
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Luce Bayou (Z100-00-00-P026) Bypass Channel

ID# 061000407

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? -

Reason for Recommendation -

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? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Harris

Watershed HUC# (if known) 120401010502,120401010501,120401030205,120401030402,120401040

Drainage area (Square miles, est.) 75

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 5,763

of structures 1,939

Critical facilities 25

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 1,122

Roadway(s) impacted (length) 40

Number of low water crossings 0

Historical road closures

0

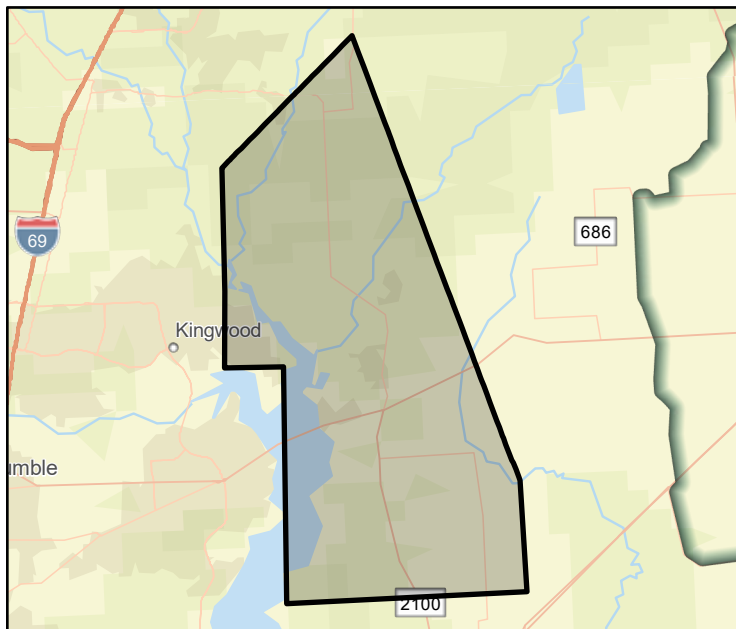
Estimated Cost and Funding Availability

Total Cost \$30,000

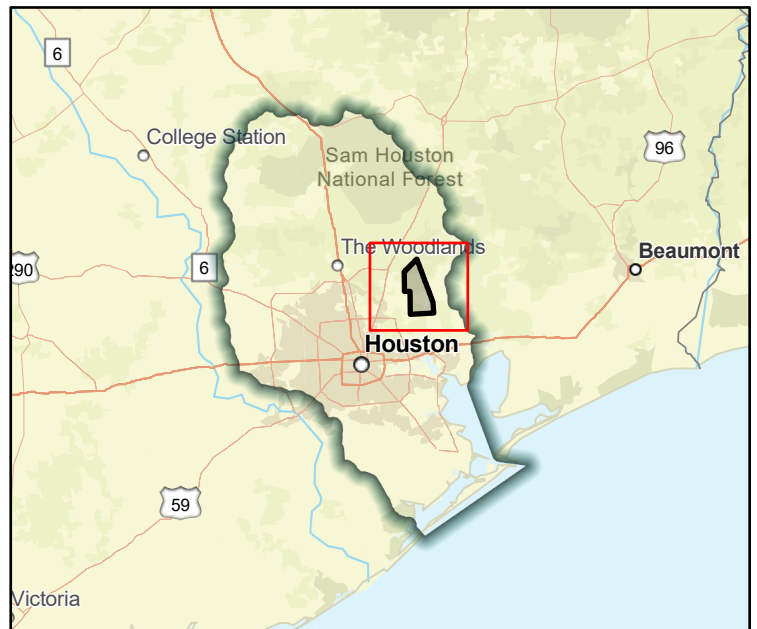
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



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REGION 6

Title Luce Bayou (Z100-00-00-P026) Channelization

ID# 061000412

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? -

Reason for Recommendation -

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? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Harris

Watershed HUC# (if known) 120401010502,120401010501,120401030205,120401030402,120401040

Drainage area (Square miles, est.) 75

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 5,763

of structures 1,939

Critical facilities 25

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 1,122

Roadway(s) impacted (length) 40

Number of low water crossings 0

Historical road closures

0

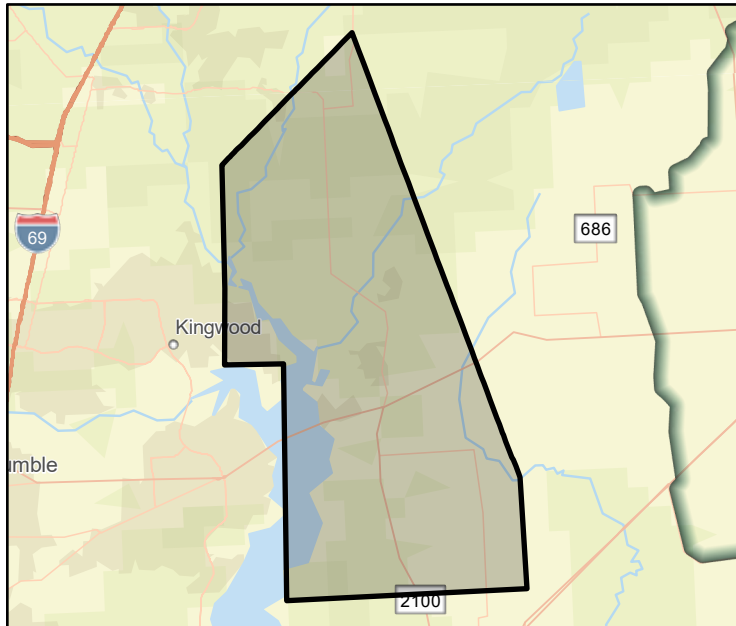
Estimated Cost and Funding Availability

Total Cost \$30,000

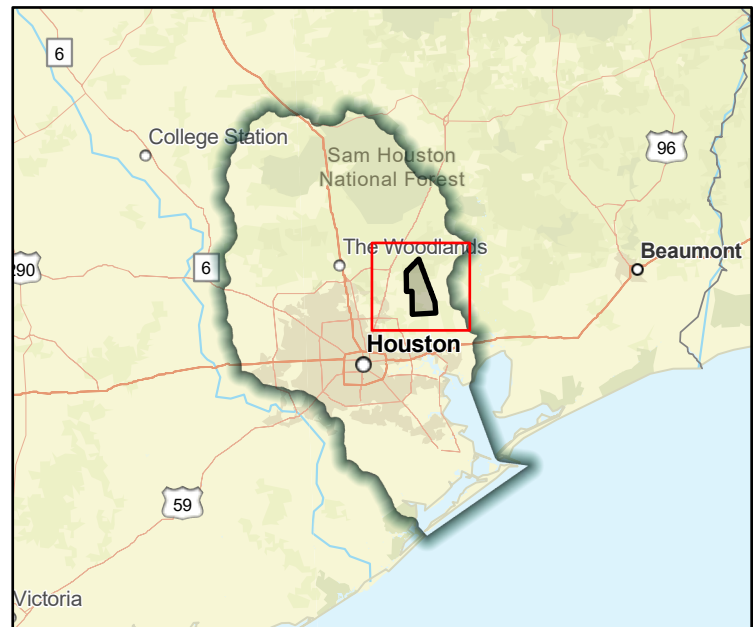
Amount of Available Funding -

Federal funding availability -

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) **Harris County Flood Control District**

RFPG recommend? **-**

Reason for Recommendation **-**

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? **-**

Emergency Need? **-**

Existing/Anticipated models in near term? **-**

County **Harris**

Watershed HUC# (if known) **120401010502,120401010501,120401030205,120401030402,120401040**

Drainage area (Square miles, est.) **75**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **5,763**

of structures **1,939**

Critical facilities **25**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **1,122**

Roadway(s) impacted (length) **40**

Number of low water crossings **0**

Historical road closures **0**

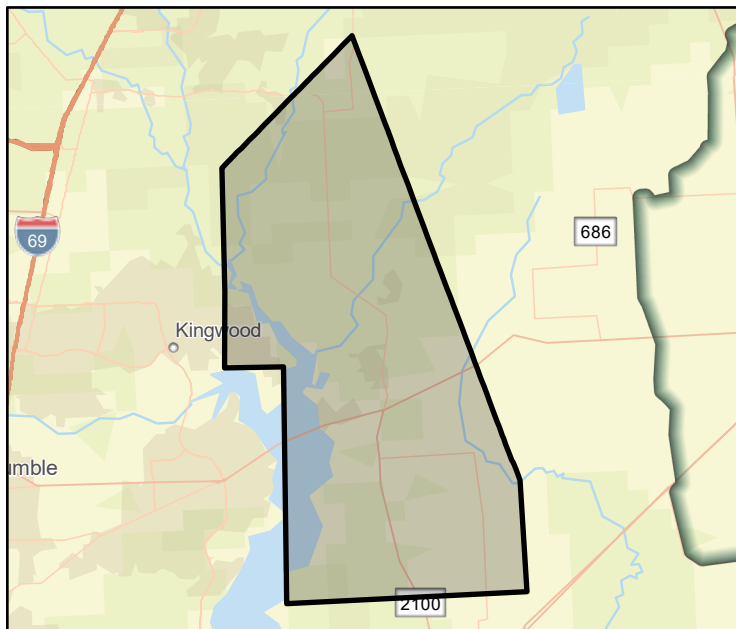
Estimated Cost and Funding Availability

Total Cost **\$30,000**

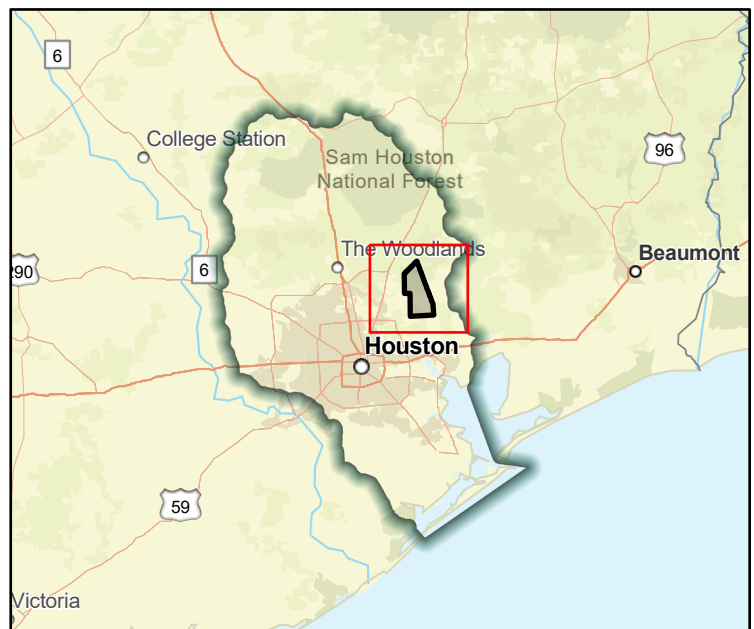
Amount of Available Funding **-**

Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Mary's Creek Lower Segment

ID# 061000056

Sponsor (name of entity, not person) Pearland (Municipality)

RFPG recommend? -	Reason for Recommendation -

Study Details

Study type	Project Planning
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Study description	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.
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New Hydrologic or Hydraulic model? -	Emergency Need? -	Existing/Anticipated models in near term? -
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County	Brazoria,Galveston	Watershed HUC# (if known)	120402040100
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Drainage area (Square miles, est.)	1	Goal(s)	06000001,06000011,06000012,06000015
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100-Year Flood Risk Summary

Population at risk	554	# of structures	75	Critical facilities	1
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Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	No	Playa?	No	Other?	No
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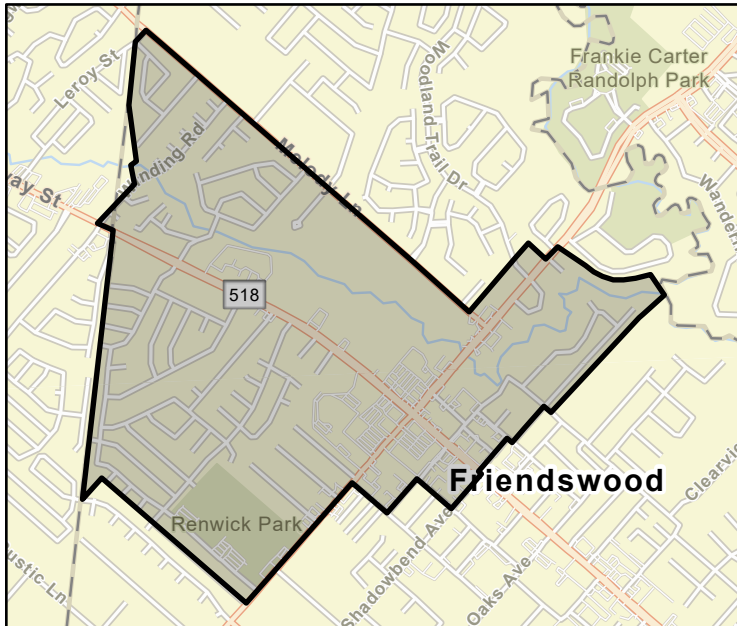
Farm/Ranch land impacted (acres)	0	Roadway(s) impacted (length)	3
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Number of low water crossings	1	Historical road closures	1
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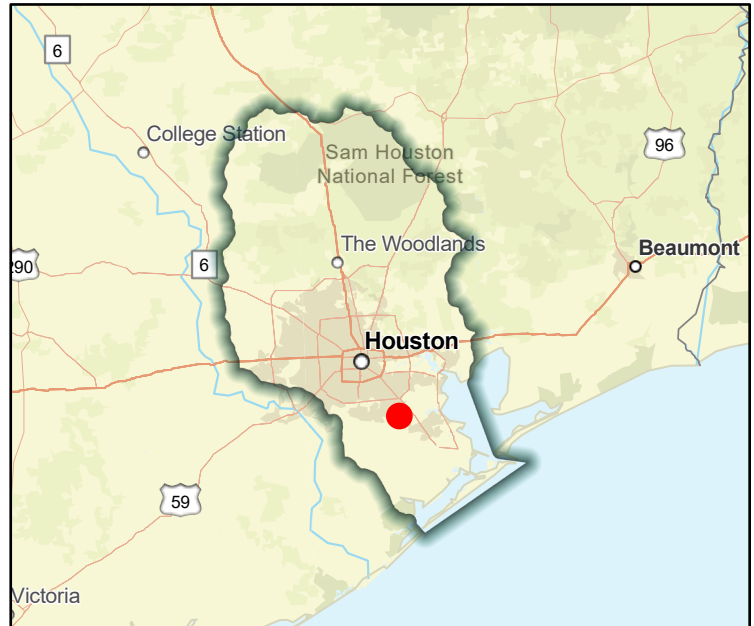
Estimated Cost and Funding Availability

Total Cost	\$2,436,000	Amount of Available Funding -	Federal funding availability -
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Funding source	-
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FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Mary's Creek Middle Segment

ID# 061000063

Sponsor (name of entity, not person) Pearland (Municipality)

RFPG recommend? -

Reason for Recommendation -

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? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Brazoria

Watershed HUC# (if known) 120402040100

Drainage area (Square miles, est.) 4

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 2,861

of structures 994

Critical facilities 5

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 10

Roadway(s) impacted (length) 19

Number of low water crossings 0

Historical road closures

0

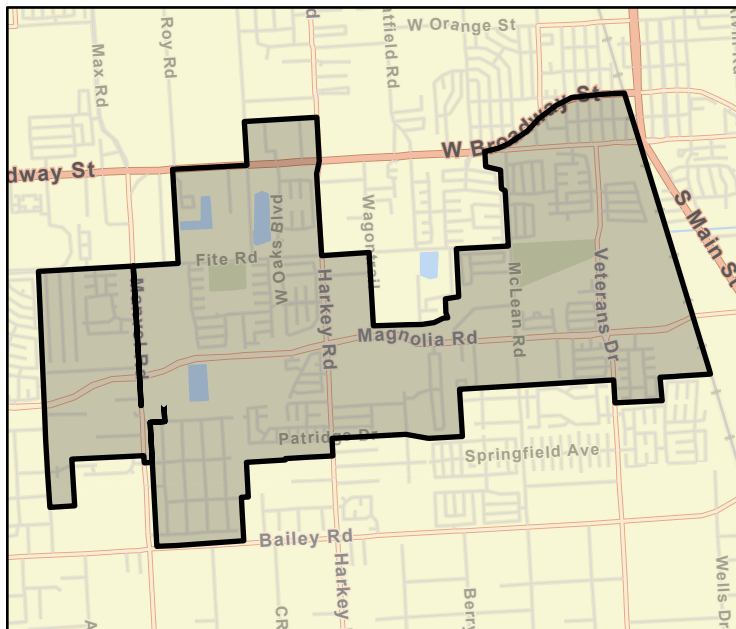
Estimated Cost and Funding Availability

Total Cost \$628,000

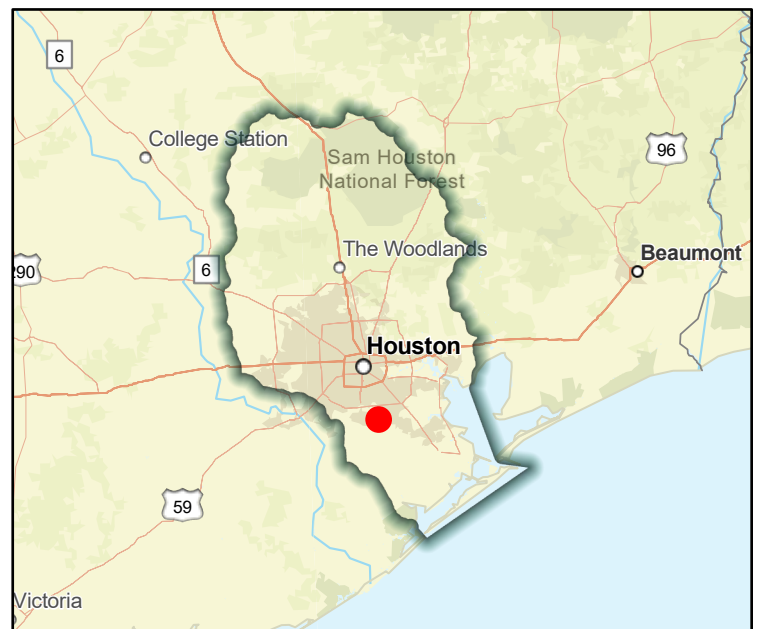
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Mary's Creek Upper Segment**

ID# **061000061**

Sponsor (name of entity, not person) **Pearland (Municipality)**

RFPG recommend? **-** Reason for Recommendation **-**

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? **-** Emergency Need? **-** Existing/Anticipated models in near term? **-**

County **Brazoria** Watershed HUC# (if known) **120402040100**

Drainage area (Square miles, est.) **5** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **-** # of structures **-** Critical facilities **-**

Flood risk type: Riverine? **<Null>** Coastal? **<Null>** Local? **<Null>** Playa? **<Null>** Other? **<Null>**

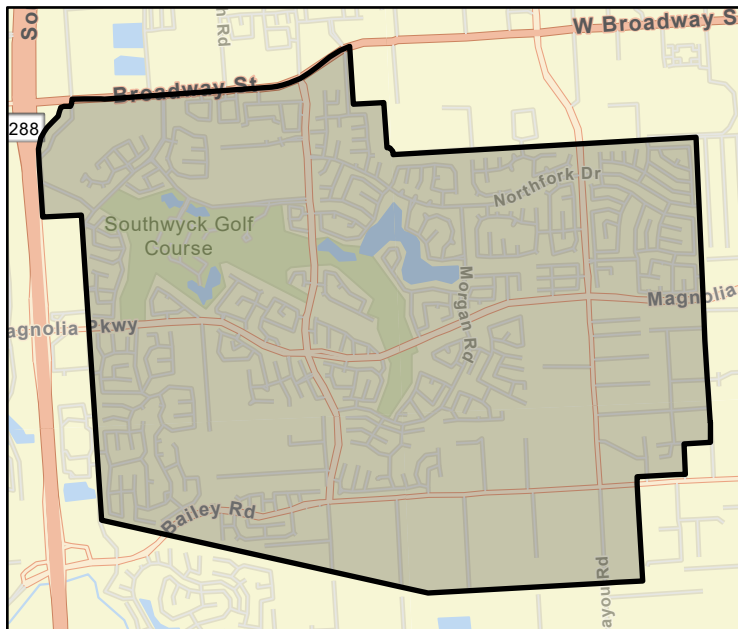
Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **-**

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

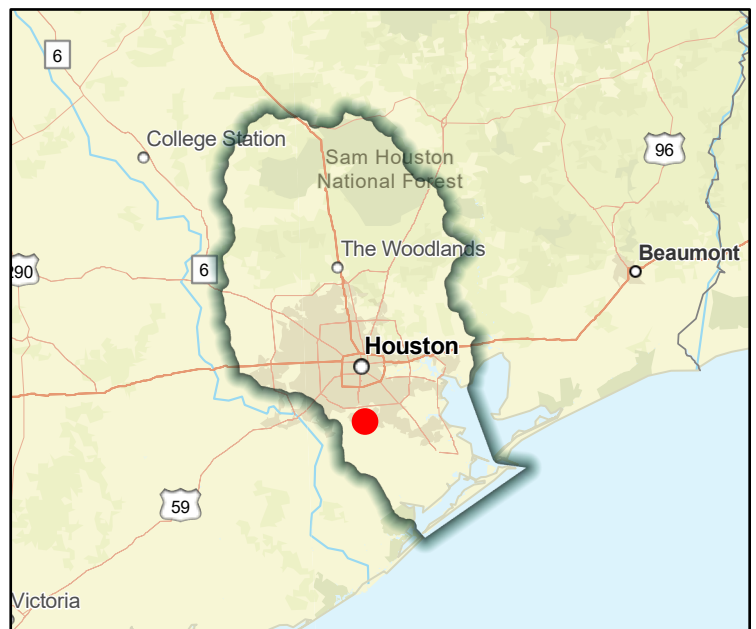
Estimated Cost and Funding Availability

Total Cost **\$460,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Middle Armand Bayou Protection Project

ID# 061000467

Sponsor (name of entity, not person) Pasadena (Municipality)

RFPG recommend? - Reason for Recommendation -

Study Details

Study type Project Planning

Study description Further study to develop this project into a FMP. FIF application information unavailable.

New Hydrologic or Hydraulic model? - Emergency Need? - Existing/Anticipated models in near term? -

County Brazoria, Galveston, Fort Watershed HUC# (if known) 120402040100

Drainage area (Square miles, est.) 262 Goal(s) 06000001, 06000011, 06000012, 06000015

100-Year Flood Risk Summary

Population at risk 130 # of structures 80 Critical facilities 0

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

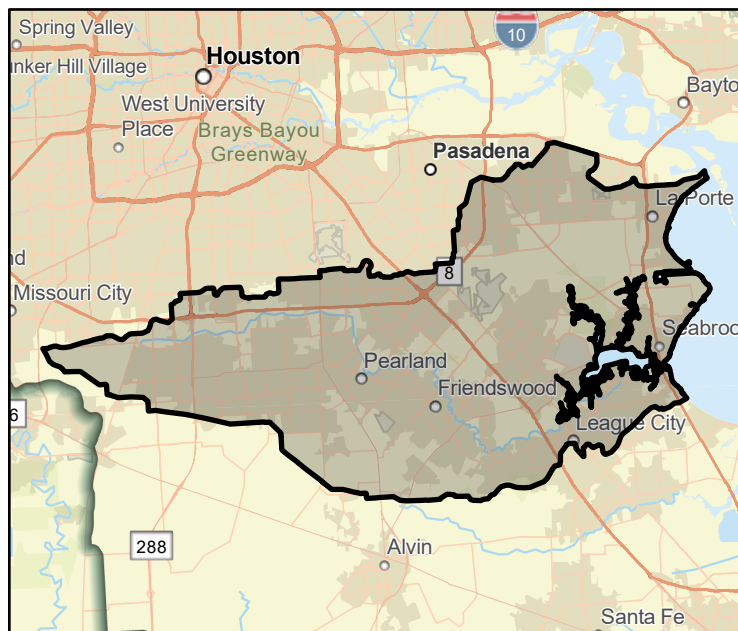
Farm/Ranch land impacted (acres) 1 Roadway(s) impacted (length) 0

Number of low water crossings 1 Historical road closures 1

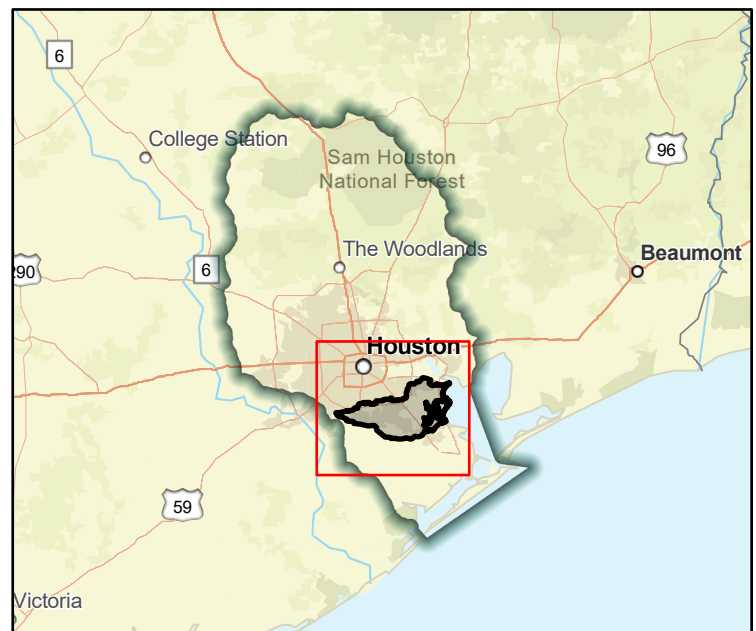
Estimated Cost and Funding Availability

Total Cost \$985,000 Amount of Available Funding - Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Missouri City Estates Drainage Improvements**

ID# **061000005**

Sponsor (name of entity, not person) **Stafford (Municipality)**

RFPG recommend? **-** Reason for Recommendation **-**

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? **-** Emergency Need? **-** Existing/Anticipated models in near term? **-**

County **Fort Bend,Harris** Watershed HUC# (if known) **120401040401**

Drainage area (Square miles, est.) **0** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **-** # of structures **-** Critical facilities **-**

Flood risk type: Riverine? **<Null>** Coastal? **<Null>** Local? **<Null>** Playa? **<Null>** Other? **<Null>**

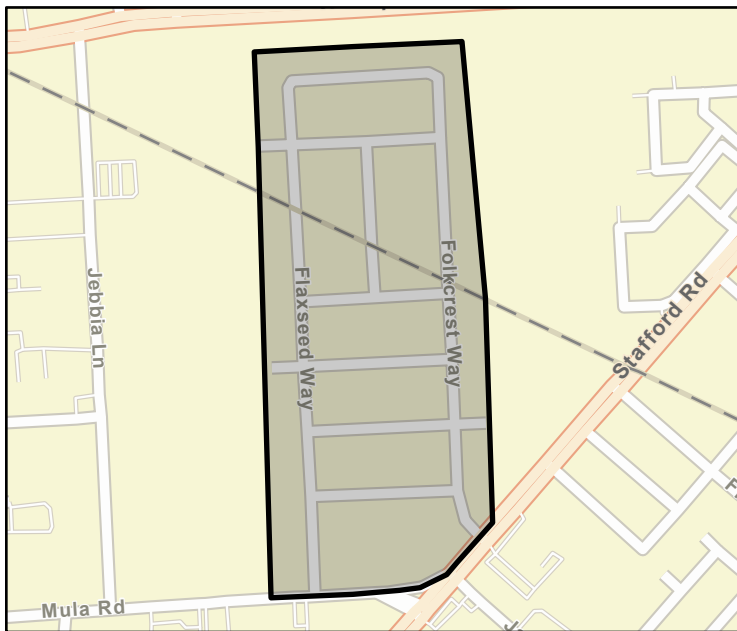
Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **-**

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

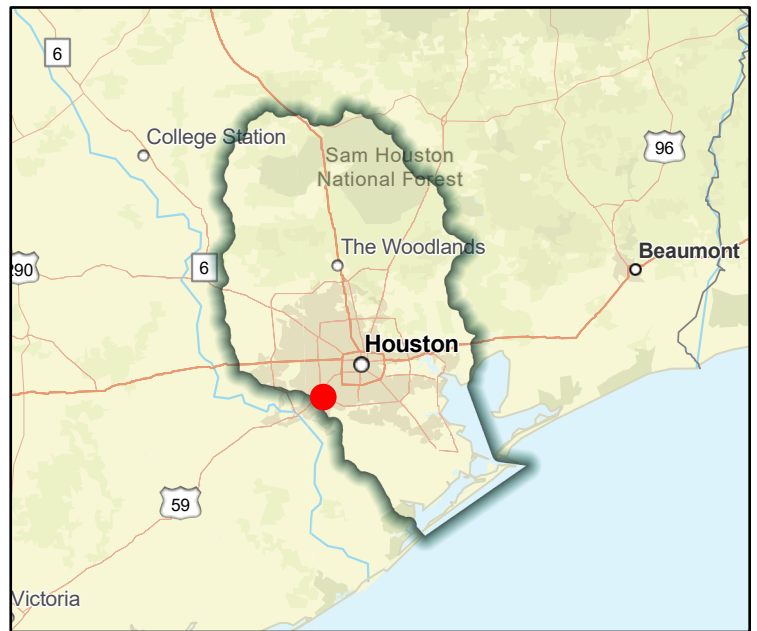
Estimated Cost and Funding Availability

Total Cost **\$90,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Montgomery Flood Mapping Updates**

ID# **061000307**

Sponsor (name of entity, not person) **Montgomery (County)**

RFPG recommend? **-**

Reason for Recommendation **-**

Study Details

Study type **Watershed Planning**

Study description **County wide study to produce flood mapping updates including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **-**

Emergency Need? **-**

Existing/Anticipated models in near term? **-**

County **Montgomery**

Watershed HUC# (if known) **120401010101,120401010301,120401010302,120401010303,12040101010**

Drainage area (Square miles, est.) **1,073**

Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **67,706**

of structures **21,195**

Critical facilities **125**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **Yes**

Other? **No**

Farm/Ranch land impacted (acres) **852**

Roadway(s) impacted (length) **409**

Number of low water crossings **72**

Historical road closures **72**

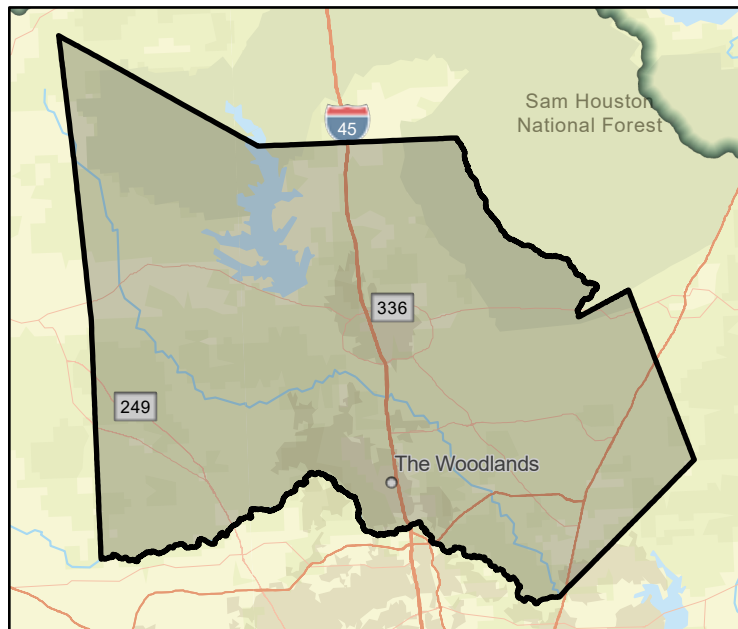
Estimated Cost and Funding Availability

Total Cost **\$4,600,000**

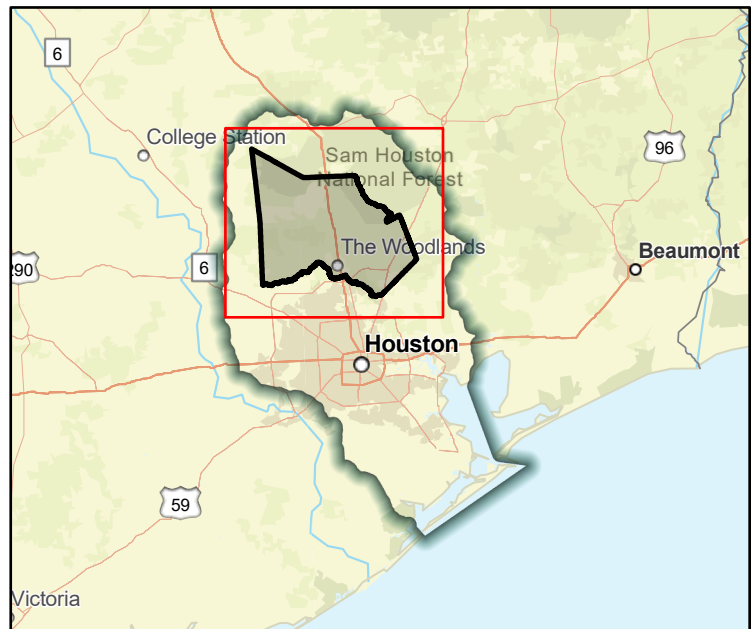
Amount of Available Funding **-**

Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Mustang Bayou Middle Segment**

ID# **061000064**

Sponsor (name of entity, not person) **Pearland (Municipality)**

RFPG recommend? **-** Reason for Recommendation **-**

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? **-** Emergency Need? **-** Existing/Anticipated models in near term? **-**

County **Brazoria,Fort Bend** Watershed HUC# (if known) **120402040400**

Drainage area (Square miles, est.) **5** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **2,051** # of structures **257** Critical facilities **1**

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

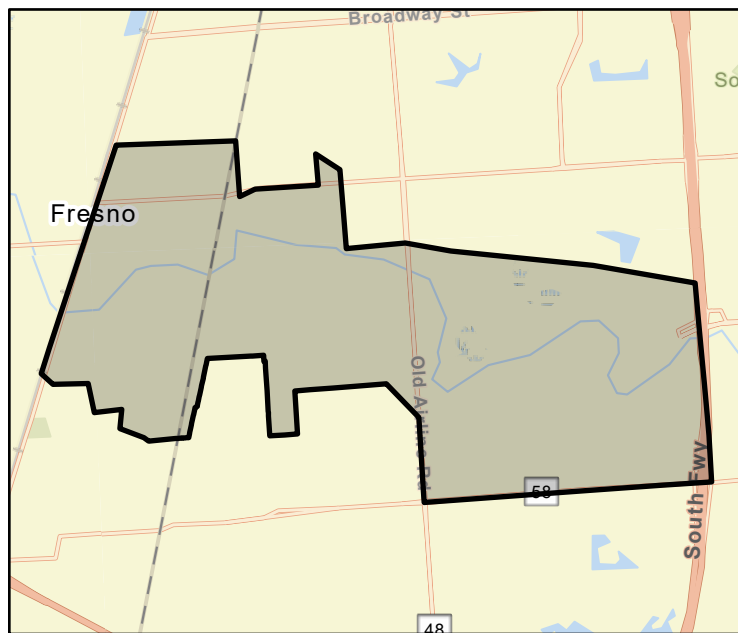
Farm/Ranch land impacted (acres) **39** Roadway(s) impacted (length) **6**

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

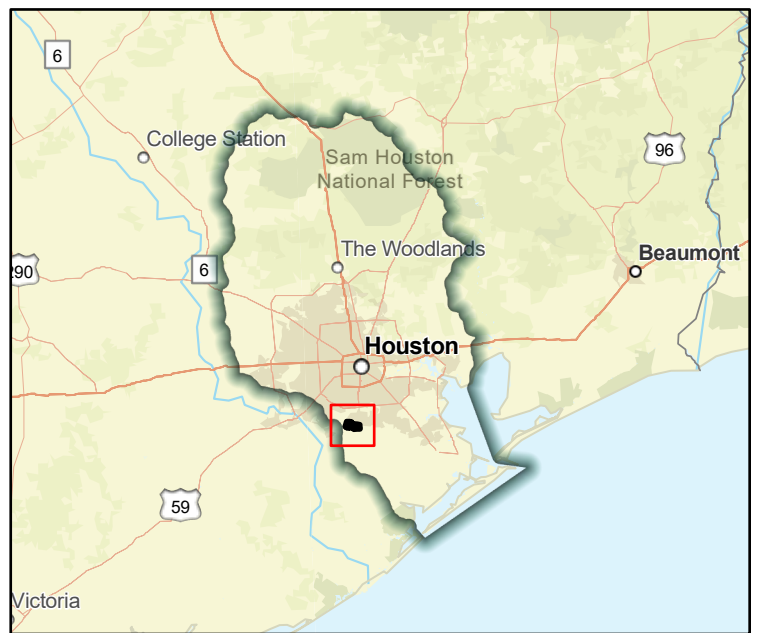
Estimated Cost and Funding Availability

Total Cost **\$1,212,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Mustang Bayou Upper Segment

ID# 061000066

Sponsor (name of entity, not person) Pearland (Municipality)

RFPG recommend? -

Reason for Recommendation -

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? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Fort Bend

Watershed HUC# (if known) 120402040400,120402040100

Drainage area (Square miles, est.) 7

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 778

of structures 415

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 20

Roadway(s) impacted (length) 4

Number of low water crossings 3

Historical road closures 3

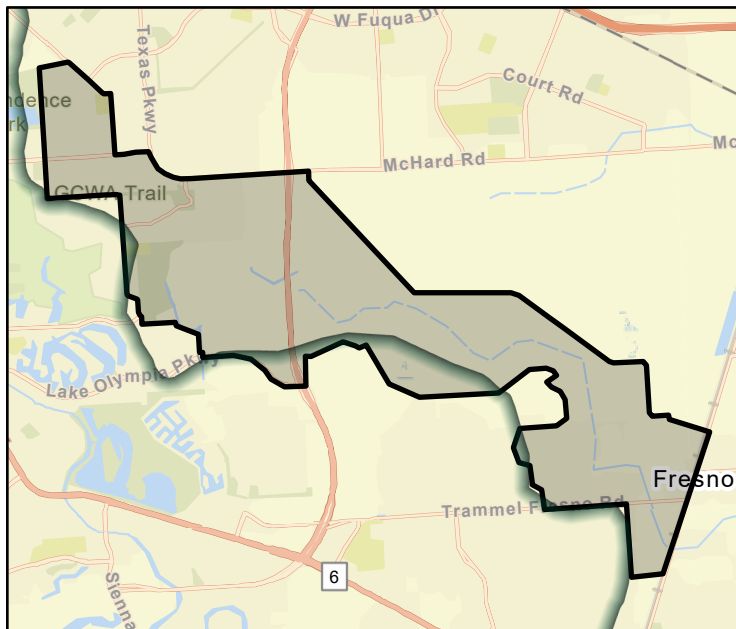
Estimated Cost and Funding Availability

Total Cost \$2,040,000

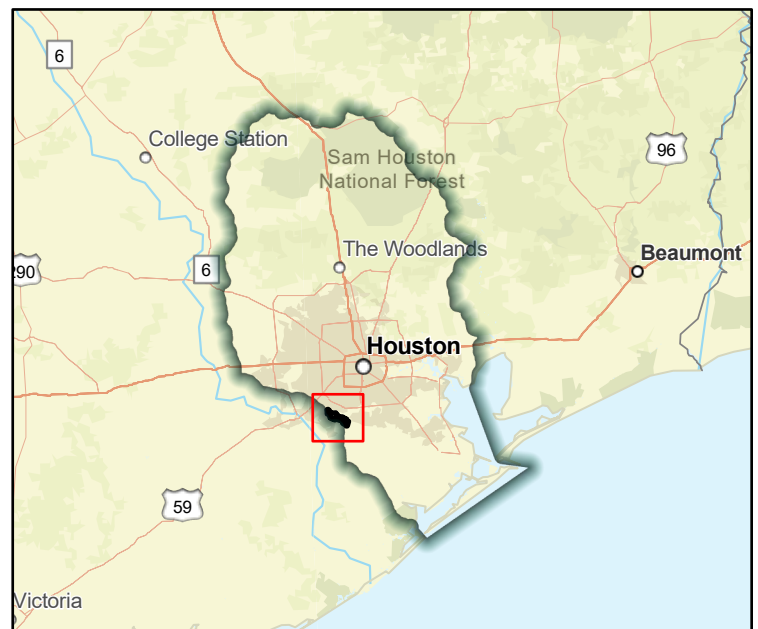
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title North Alexander Drainage Improvements

ID# 061000423

Sponsor (name of entity, not person) Baytown (Municipality)

RFPG recommend? - Reason for Recommendation -

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? - Emergency Need? - Existing/Anticipated models in near term? -

County Chambers,Harris Watershed HUC# (if known) 120402030106

Drainage area (Square miles, est.) 48 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 2,324 # of structures 550 Critical facilities 7

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

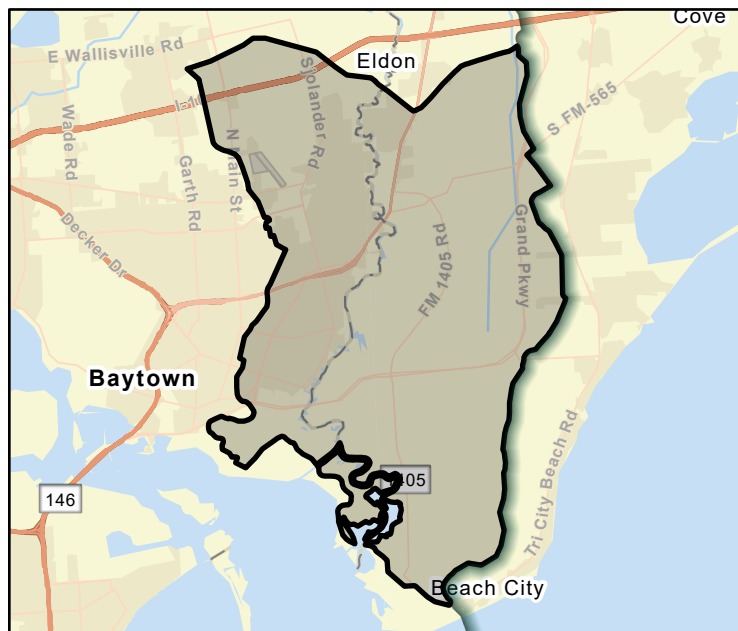
Farm/Ranch land impacted (acres) 98 Roadway(s) impacted (length) 14

Number of low water crossings 0 Historical road closures 0

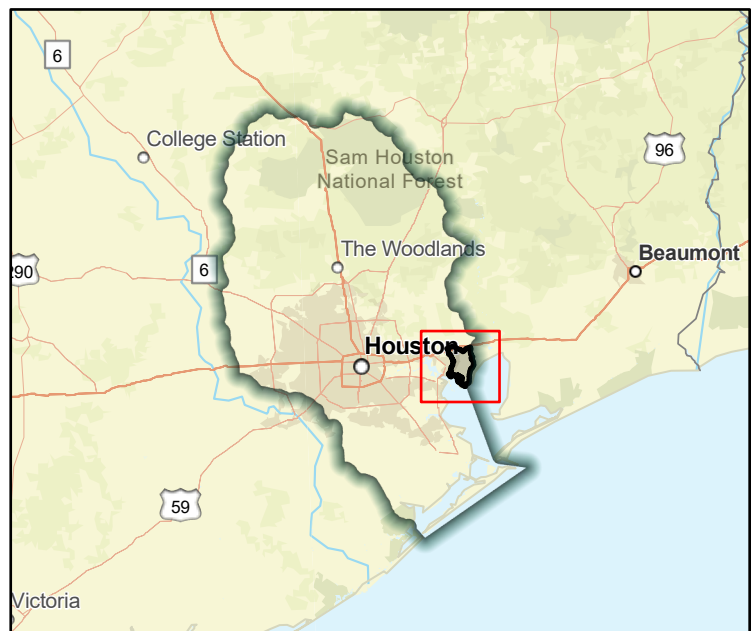
Estimated Cost and Funding Availability

Total Cost \$758,000 Amount of Available Funding - Federal funding availability -

Funding source CDBG-MIT



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Northfield Place Subdivision Drainage Improvements

ID# 061000432

Sponsor (name of entity, not person) Harris (County)

RFPG recommend? - Reason for Recommendation -

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? - Emergency Need? - Existing/Anticipated models in near term? -

County Harris Watershed HUC# (if known) 120401040604,120401040304

Drainage area (Square miles, est.) 6 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 10,940 # of structures 3,188 Critical facilities 13

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

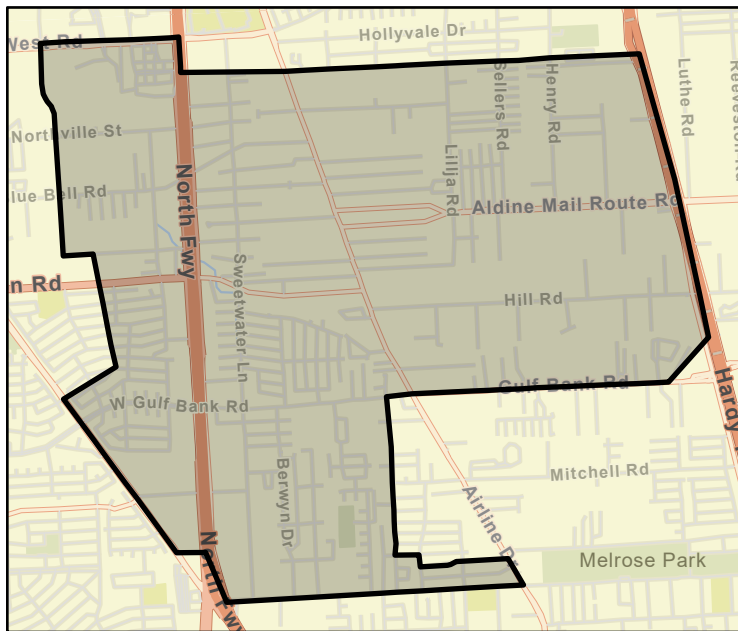
Farm/Ranch land impacted (acres) 0 Roadway(s) impacted (length) 32

Number of low water crossings 1 Historical road closures 1

Estimated Cost and Funding Availability

Total Cost \$30,000 Amount of Available Funding - Federal funding availability -

Funding source Unknown



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Oak Glen Place Subdivision Drainage Improvements**

ID# **061000431**

Sponsor (name of entity, not person) **Harris (County)**

RFPG recommend? **-** Reason for Recommendation **-**

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? **-** Emergency Need? **-** Existing/Anticipated models in near term? **-**

County **Harris** Watershed HUC# (if known) **120401040604,120401040304**

Drainage area (Square miles, est.) **6** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **10,940** # of structures **3,188** Critical facilities **13**

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

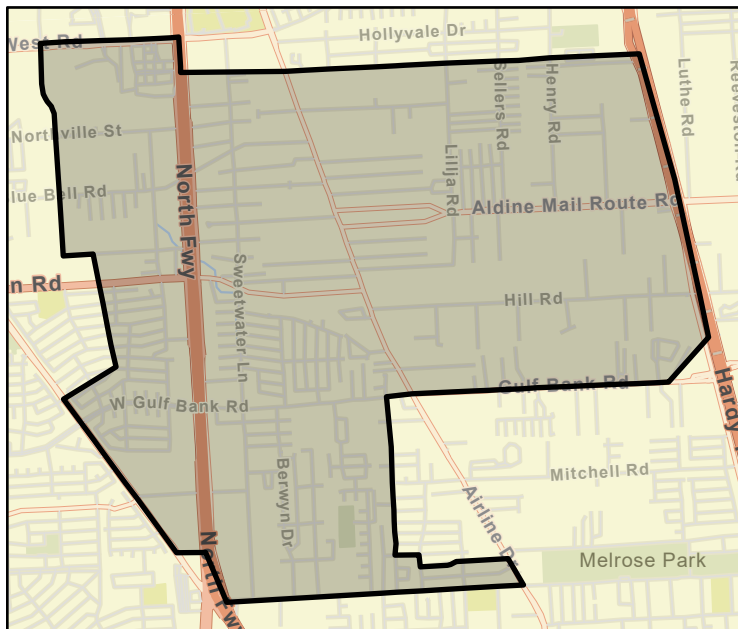
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **32**

Number of low water crossings **1** Historical road closures **1**

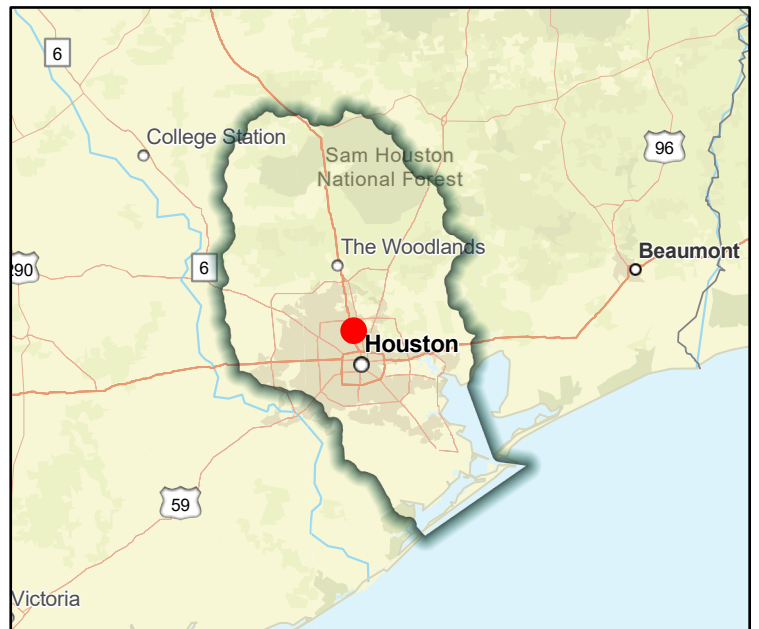
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **Unknown**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Oak Hollow - Alligator Creek Watershed**

ID# **061000449**

Sponsor (name of entity, not person) **Conroe (Municipality)**

RFPG recommend? **-** Reason for Recommendation **-**

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

New Hydrologic or Hydraulic model? **-** Emergency Need? **-** Existing/Anticipated models in near term? **-**

County **Montgomery** Watershed HUC# (if known) **120401010207,120401010401**

Drainage area (Square miles, est.) **6** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **69** # of structures **40** Critical facilities **1**

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

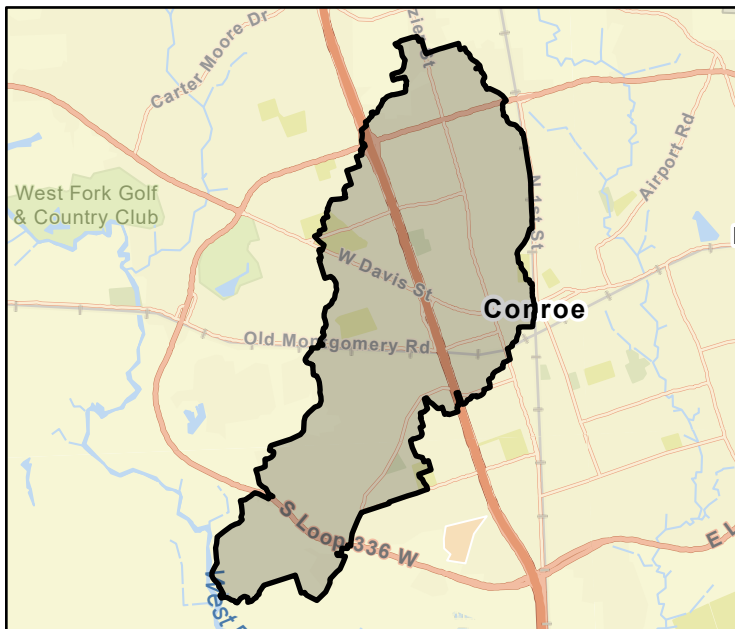
Farm/Ranch land impacted (acres) **7** Roadway(s) impacted (length) **1**

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

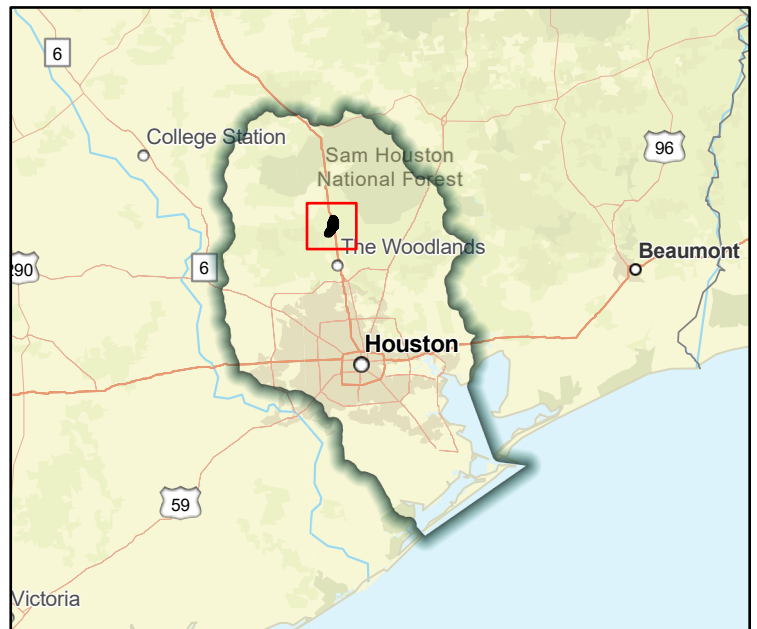
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area