

2023 REGIONAL FLOOD PLAN REGION 6 SAN JACINTO

January 2023

PREPARED FOR THE SAN JACINTO
REGIONAL FLOOD PLANNING GROUP

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Flood Mitigation Project (FMP)



Title **Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharpstown**

ID# **063000027** Sponsor **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Project Description

Projects submitted as part of the CDBG MIT grant in the Brays Bayou Watershed which include regional channel and detention projects including D133 (Bintliff Ditch) and Sharpstown Drainage.

Watershed HUC# (if known) **120401040401** Emergency Need? **Yes**

Drainage area (mi² est.) **128**

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 **8,121** # of structures **267** Critical facilities **26**

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **34**

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

100-Year Flood Risk Reduction

Population removed from 100-yr **2890** # of structures removed from 100-yr **160**

Critical facilities removed from 100-yr **4** Farm/Ranch land removed from 100-yr (acres) **0.00166**

Road removed from 100-yr (miles) **5** Low water crossings removed from 100-yr **0**

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

Impacts

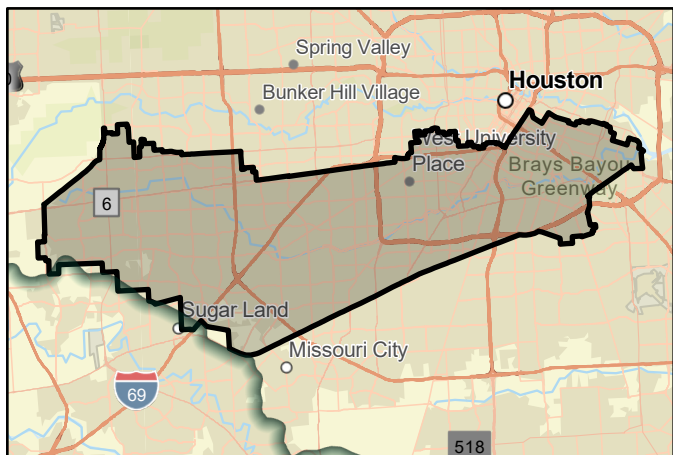
Negative impacts? **No** Negative impacts description **-**

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

Estimated Cost

Project Cost **\$107,061,000** % Nature-Based **0** BCR **0.13**

Recurring costs **\$6,486,302** Issues **Right-of-Way, Acquisitions, Utility Conflicts**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Brazoria County NFIP Technical Material**

ID# **063000136** Sponsor **Brazoria (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Project Description

Place copies of FEMA Flood-related technical bulletins in County libraries.

Watershed HUC# (if known) **120402040300,120402040200,12040204040** Emergency Need? **No**

Drainage area (mi² est.) **1,482**

Associated FME's **999999** County **Brazoria**

Associated FMS's **999999** Associated FMP's **999999**

Existing 100-Year Flood Risk

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

Population at risk **65,547** # of structures **18,848** Critical facilities **248**

Farm/Ranch land impacted (acres) **8,584** Roadway(s) impacted (length) **328**

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

100-Year Flood Risk Reduction

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

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

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

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

Impacts

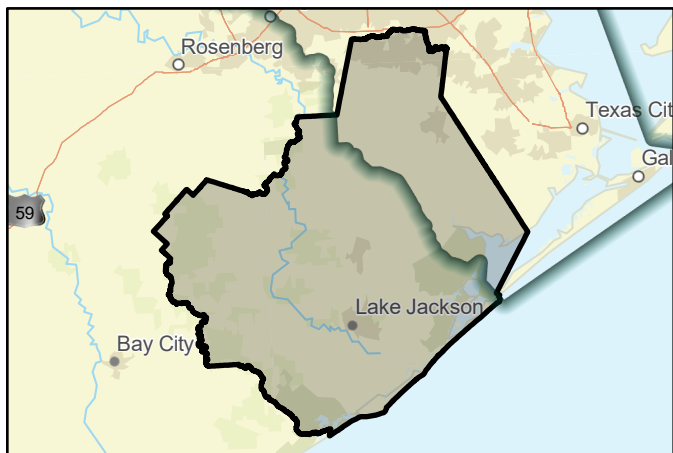
Negative impacts? **No** Negative impacts description **-**

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

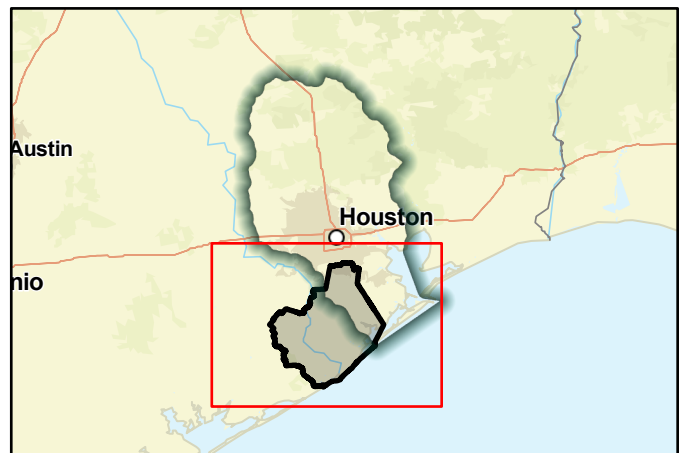
Estimated Cost

Project Cost **\$21,000** % Nature-Based **0** BCR **-**

Recurring costs **\$1,063** Issues **-**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105**

ID# **063000058** Sponsor **Montgomery (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Project Description

Reduce flooding in the Caney Creek watershed by benching/widening a 7.8-mile-long stretch to increase conveyance capacity. Must be constructed with detention at FM1097 or detention at SH105 to capture runoff from Caney Creek.

Watershed HUC# (if known) - Emergency Need? **Yes**
 Drainage area (mi² est.) **371**
 Associated FME's **999999** County **Harris,Liberty,Montgomery,San Jacinto,Walker**
 Associated FMS's **999999** Associated FMP's **999999**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**
 Population at risk **5,743** # of structures **3,641** Critical facilities **1**
 Farm/Ranch land impacted (acres) **79** Roadway(s) impacted (length) **91**
 Number of low water crossings **9** Historical road closures **9**

100-Year Flood Risk Reduction

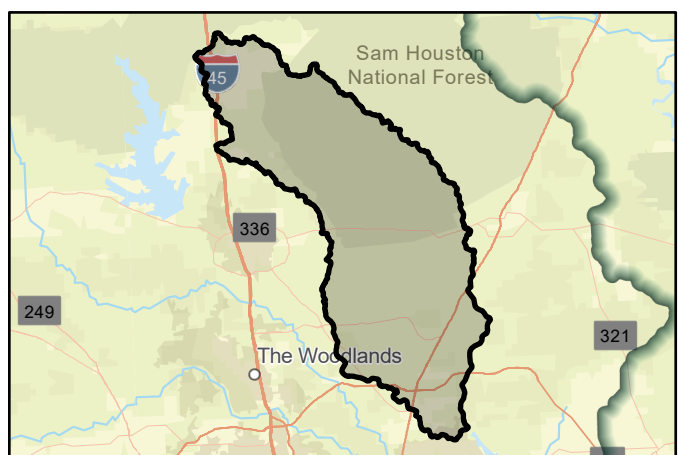
Population removed from 100-yr **4049** # of structures removed from 100-yr **2422**
 Critical facilities removed from 100-yr **1** Farm/Ranch land removed from 100-yr (acres) **27.31976891**
 Road removed from 100-yr (miles) **42** Low water crossings removed from 100-yr **0**
 Other benefits - Reduction in # of road closures over 10 years **0**

Impacts

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

Estimated Cost

Project Cost **\$469,000,000** % Nature-Based **0** BCR **0.30000001**
 Recurring costs **\$31,939,132** Issues **Right-of-Way, Permitting, Acquisitions, Utility Conflicts, Transportation**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Project Description

A unified land development code combines all land use controls into a single document with a logical structure that is user friendly. Cost is time, data and preparation of a unified land development code.

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

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

Population at risk # of structures Critical facilities

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

Number of low water crossings 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

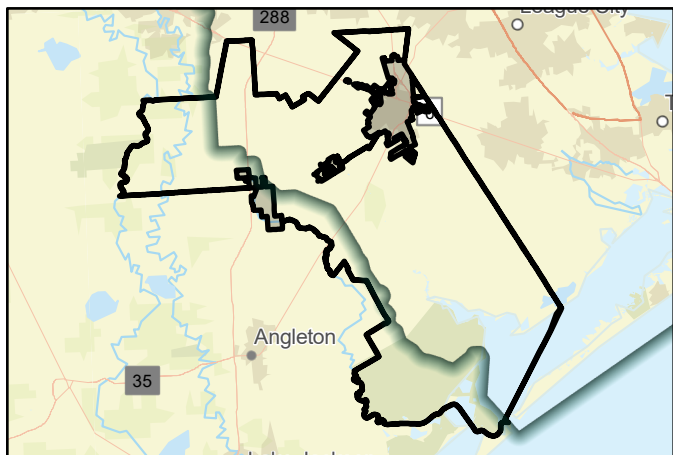
Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Yes Reason for Recommendation

Project Description

Update regulations and permit requirements to address enhances hazard mitigation strategies.

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

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

Population at risk # of structures Critical facilities

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

Number of low water crossings 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

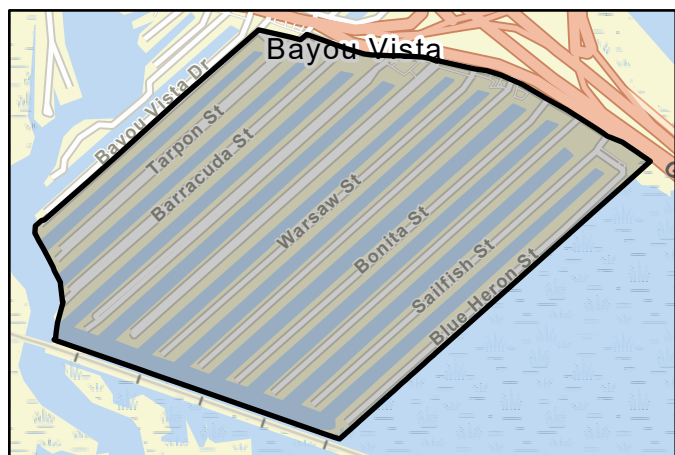
Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **City of Clear Lake Shores - Implement Stormwater Management Practices**

ID# **063000139** Sponsor **Clear Lake Shores (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Project Description

The Stormwater management plan is focused on six minimum measures regarding what is being done to prevent stormwater pollution. Annual reporting and renewals are required to ensure compliance is met.

Watershed HUC# (if known) **120402040100** Emergency Need? **No**

Drainage area (mi² est.) **1**

Associated FME's **999999** County **Galveston,Harris**

Associated FMS's **999999** Associated FMP's **999999**

Existing 100-Year Flood Risk

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

Population at risk **3,407** # of structures **633** Critical facilities **4**

Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **9**

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

100-Year Flood Risk Reduction

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

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

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

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

Impacts

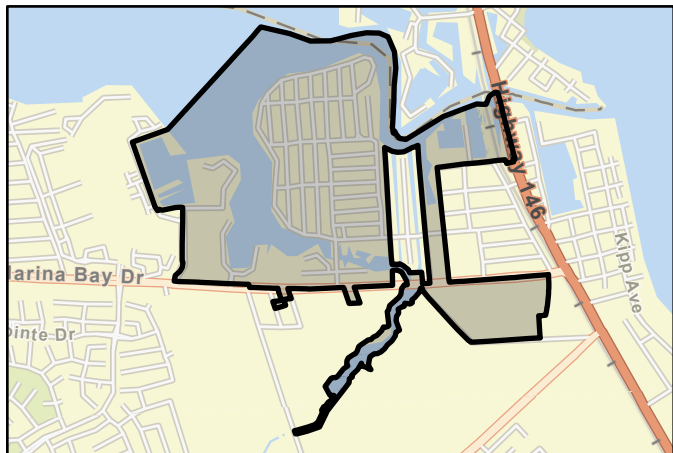
Negative impacts? **No** Negative impacts description **-**

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

Estimated Cost

Project Cost **\$109,000** % Nature-Based **0** BCR **-**

Recurring costs **\$5,514** Issues **Right-of-Way, Permitting**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **City of Clear Lake Shores - Improve Regulations and Permit Requirements**

ID# **063000140** Sponsor **Clear Lake Shores (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Project Description

Update regulations and permit requirements.

Watershed HUC# (if known) **120402040100** Emergency Need? **No**

Drainage area (mi² est.) **1**

Associated FME's **999999** County **Galveston,Harris**

Associated FMS's **999999** Associated FMP's **999999**

Existing 100-Year Flood Risk

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

Population at risk **3,407** # of structures **633** Critical facilities **4**

Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **9**

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

100-Year Flood Risk Reduction

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

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

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

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

Impacts

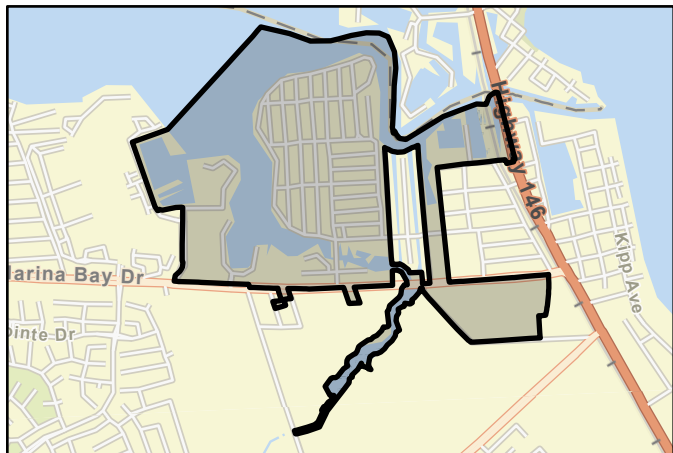
Negative impacts? **No** Negative impacts description **-**

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

Estimated Cost

Project Cost **\$109,000** % Nature-Based **0** BCR **5**

Recurring costs **\$5,514** Issues **Permitting**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Project Description

The city shall adopt a land-use ordinance which prohibits building residential or commercial structures in the 100-year floodplain.

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

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

Population at risk # of structures Critical facilities

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

Number of low water crossings 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

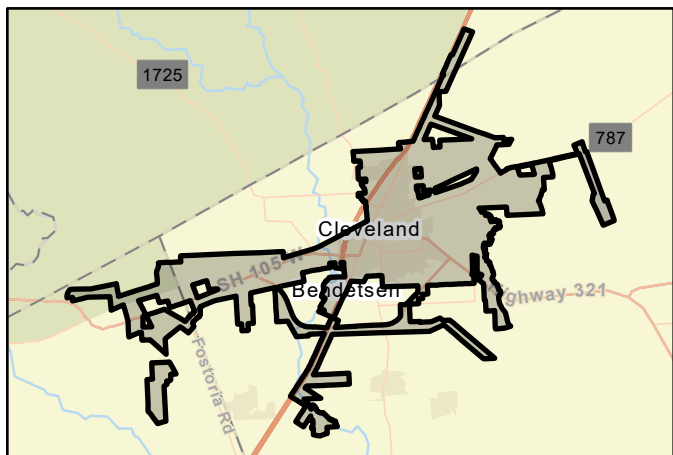
Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Project Description

Adopt a land use ordinance which requires any structure within the 100-year floodplain to be elevated 2 feet.

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

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

Population at risk # of structures Critical facilities

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

Number of low water crossings 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

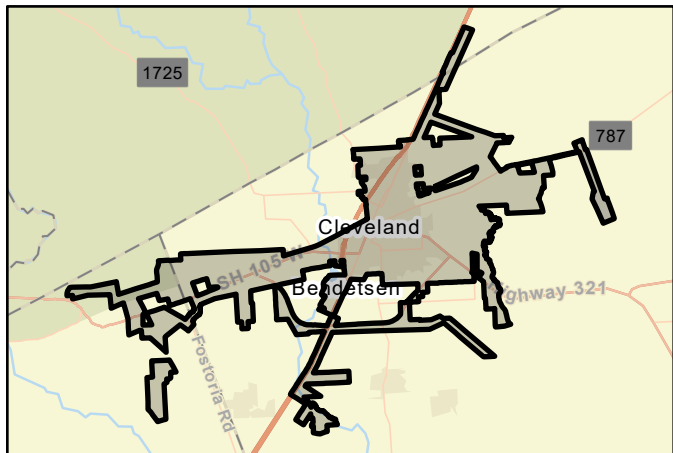
Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Yes Reason for Recommendation

Project Description

Consider adoption and enforcement of freeboard requirement into City's Flood Damage Prevention Ordinance.

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

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 # of structures Critical facilities

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

Number of low water crossings 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

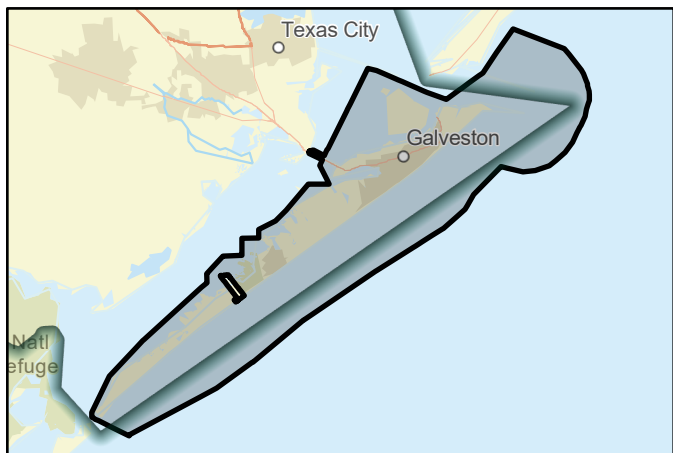
Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Yes Reason for Recommendation

Project Description

Develop proposed land use mapping to allow easier consideration of hazards.

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

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

Population at risk # of structures Critical facilities

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

Number of low water crossings 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

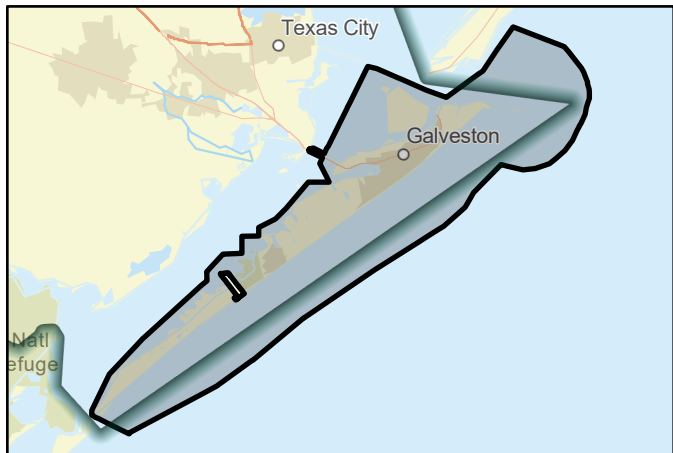
Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Project Description

Improve regulations and permit requirements to promote hazard mitigation strategies.

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

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

Population at risk # of structures Critical facilities

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

Number of low water crossings 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

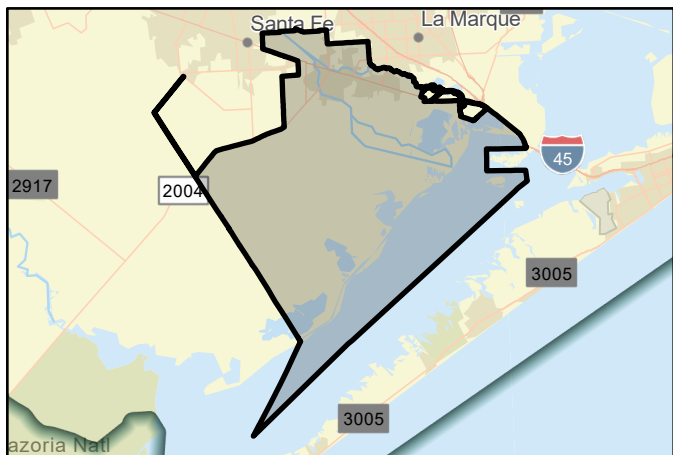
Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Project Description

Improve regulations and permit requirements to promote hazard mitigation strategies.

Watershed HUC# (if known) Emergency Need?
 Drainage area (mi² est.)
 Associated FME's County
 Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

Flood risk type: Riverine? Coastal? Local? Playa? Other?
 Population at risk # of structures Critical facilities
 Farm/Ranch land impacted (acres) Roadway(s) impacted (length)
 Number of low water crossings Historical road closures

100-Year Flood Risk Reduction

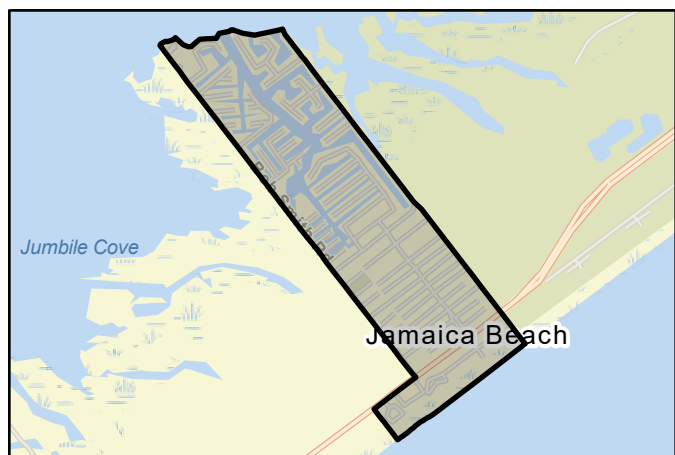
Population removed from 100-yr # of structures removed from 100-yr
 Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres)
 Road removed from 100-yr (miles) Low water crossings removed from 100-yr
 Other benefits Reduction in # of road closures over 10 years

Impacts

Negative impacts? Negative impacts description
 Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR
 Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Project Description

Improve regulations and permit requirements to promote hazard mitigation strategies.

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

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

Population at risk # of structures Critical facilities

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

Number of low water crossings 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

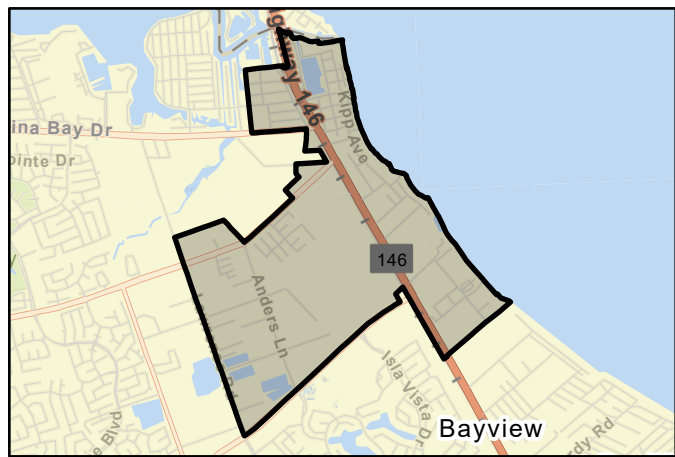
Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Project Description

Update floodplain ordinance to ensure compliance with minimum standard of NFIP.

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

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

Population at risk # of structures Critical facilities

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

Number of low water crossings 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

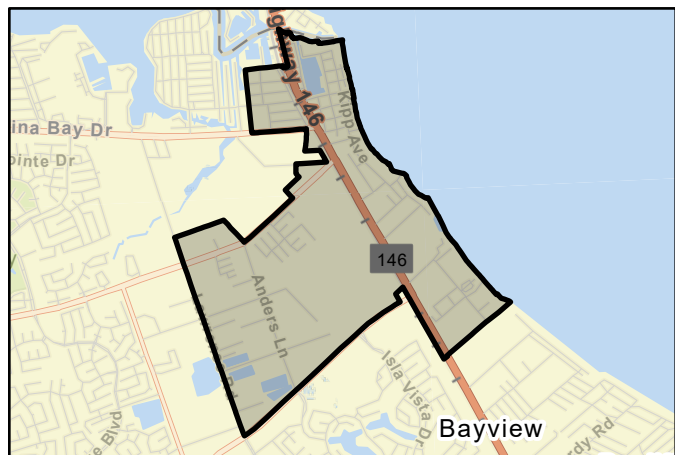
Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **City of La Marque - Improve Regulations and Permit Requirements**

ID# **063000146** Sponsor **La Marque (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Project Description

Improve regulations and permit requirements to promote hazard mitigation strategies.

Watershed HUC# (if known) **120402040200** Emergency Need? **No**

Drainage area (mi² est.) **14**

Associated FME's **999999** County **Galveston**

Associated FMS's **999999** Associated FMP's **999999**

Existing 100-Year Flood Risk

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

Population at risk **1,612** # of structures **829** Critical facilities **g**

Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **31**

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

100-Year Flood Risk Reduction

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

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

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

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

Impacts

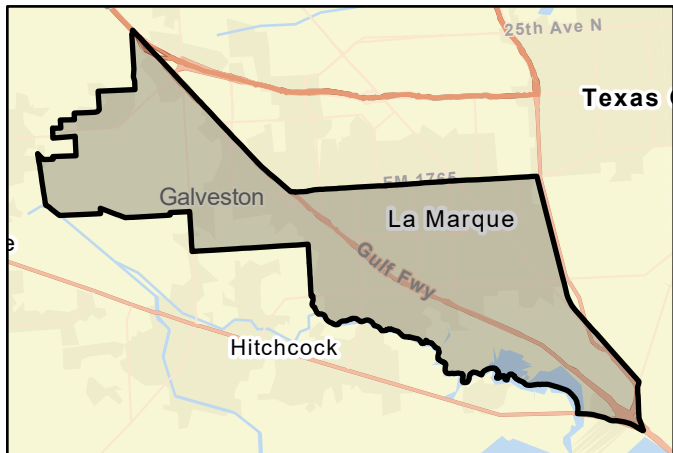
Negative impacts? **No** Negative impacts description **-**

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

Estimated Cost

Project Cost **\$109,000** % Nature-Based **0** BCR **5**

Recurring costs **\$5,514** Issues **Permitting**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Project Description

Update city ordinance to require 24" of freeboard in the floodplain.

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

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

Population at risk # of structures Critical facilities

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

Number of low water crossings 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

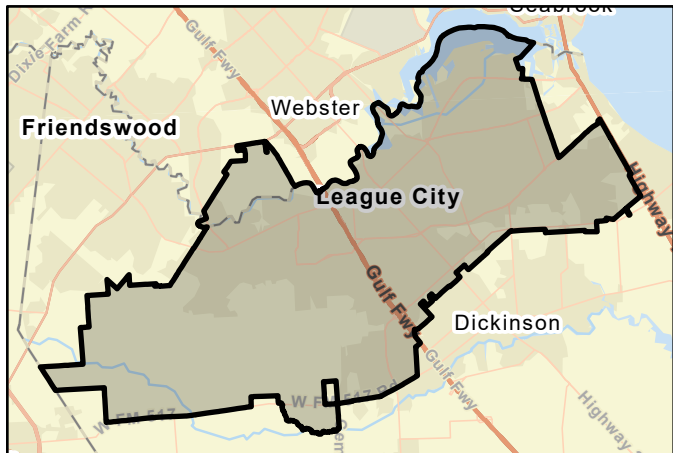
Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Project Description

The city shall adopt a land use ordinance which requires any structure within the 100-year floodplain to be elevated 2 feet above base flood elevation.

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

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

Population at risk # of structures Critical facilities

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

Number of low water crossings 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

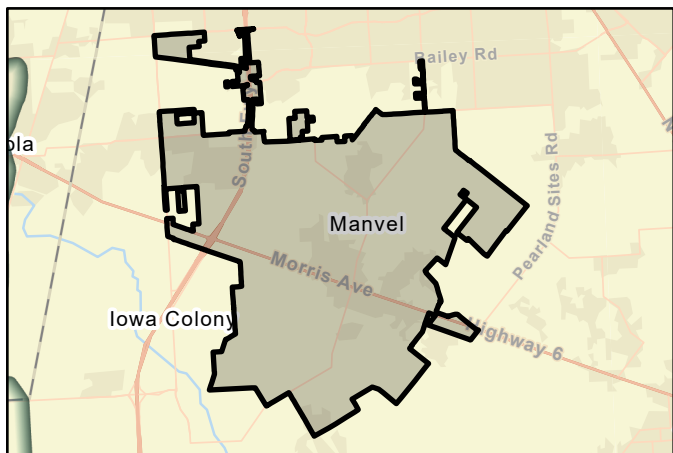
Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

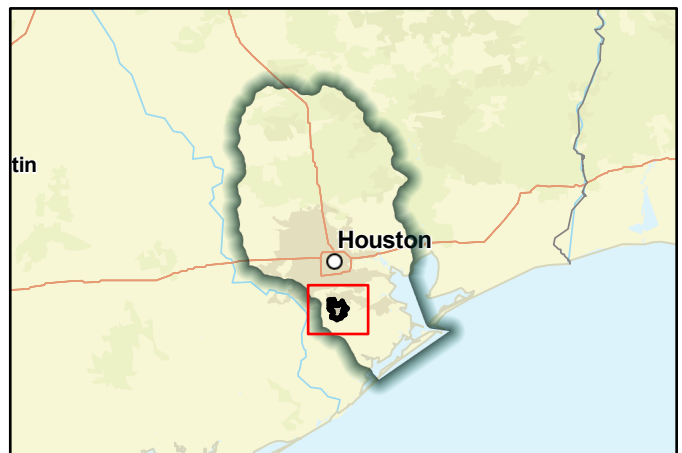
Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Project Description

Improve GIS database to include repetitive loss properties areas and flooded structure data. Data to be used for future drainage infrastructure planning and to provide outreach and emergency services to residents in substantial risk zones.

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

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

Population at risk # of structures Critical facilities

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

Number of low water crossings 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

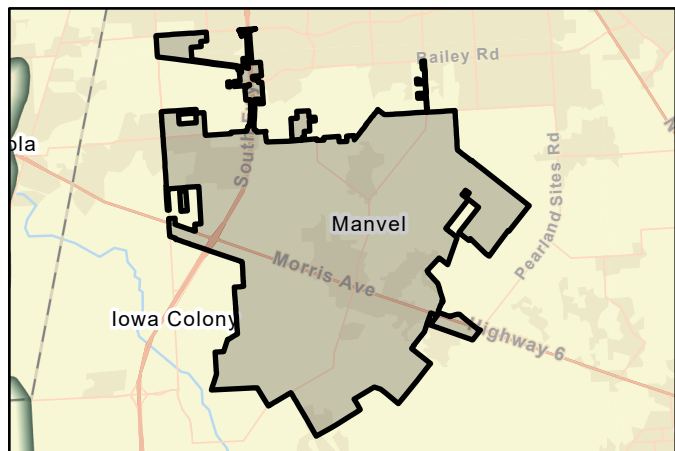
Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Project Description

The city shall adopt a land-use ordinance which prohibits building residential or commercial structures in the 100-year floodplain.

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

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

Population at risk # of structures Critical facilities

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

Number of low water crossings 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

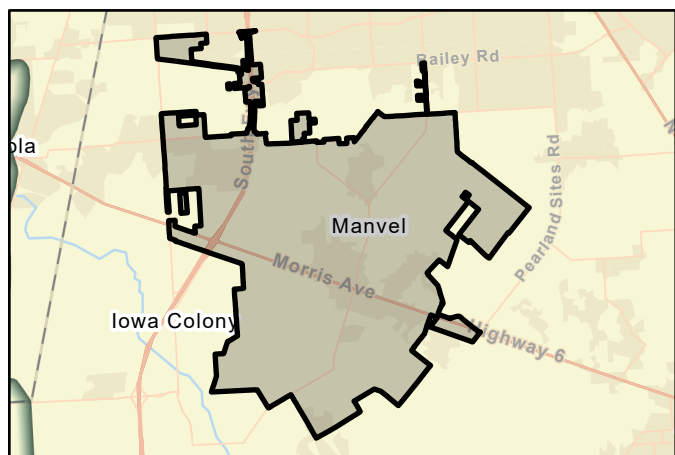
Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

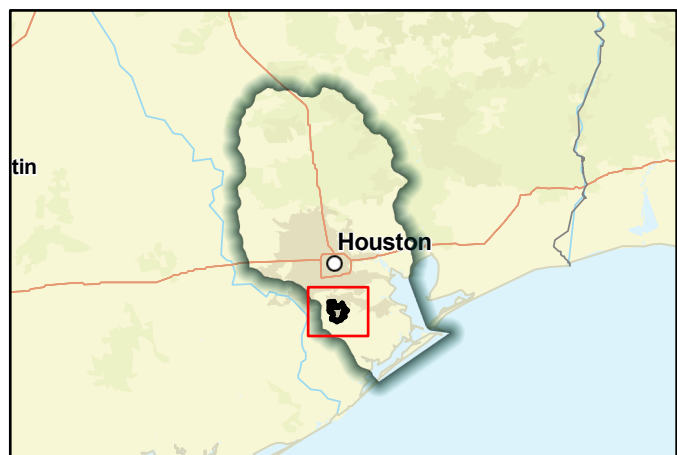
Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **City of Santa Fe - Improve Regulations and Permit Requirements**

ID# **063000149** Sponsor **Santa Fe (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Project Description

Update and/or develop regulations and permits to address hazards prone to the area and include any changes in future development area.

Watershed HUC# (if known) **120402040300,120402040200** Emergency Need? **No**

Drainage area (mi² est.) **17**

Associated FME's **999999** County **Galveston**

Associated FMS's **999999** Associated FMP's **999999**

Existing 100-Year Flood Risk

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

Population at risk **798** # of structures **400** Critical facilities **1**

Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **4**

Number of low water crossings **9** Historical road closures **9**

100-Year Flood Risk Reduction

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

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

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

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

Impacts

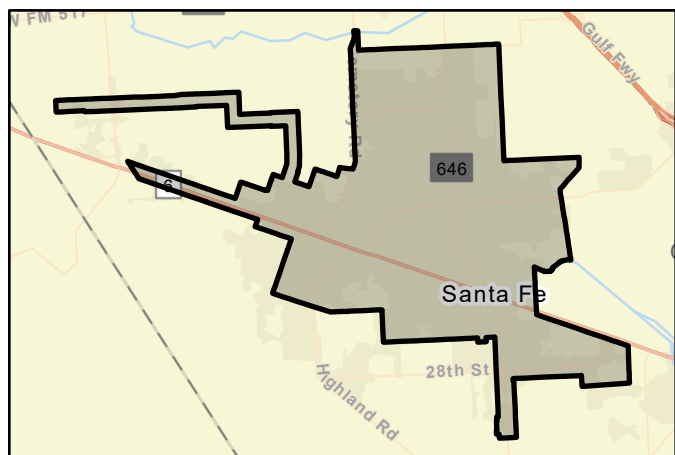
Negative impacts? **No** Negative impacts description **-**

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

Estimated Cost

Project Cost **\$109,000** % Nature-Based **0** BCR **5**

Recurring costs **\$5,514** Issues **Permitting**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Project Description

Update and/or develop regulations and permits to address hazards prone to the area and include any changes in future development area.

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

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

Population at risk # of structures Critical facilities

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

Number of low water crossings 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

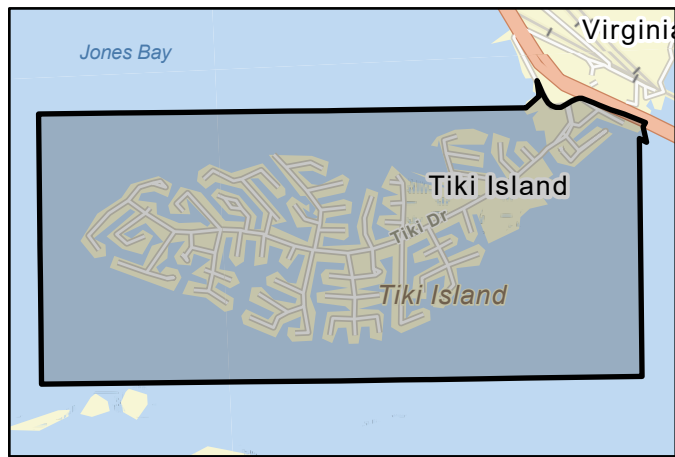
Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **East Fork San Jacinto River - Winters Bayou Detention**

ID# **063000059** Sponsor **San Jacinto (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Project Description

The goal of the detention facility is to reduce flooding in the East Fork watershed by constructing a 1.60-mile-long earthen impoundment that captures runoff from Winters Bayou.

Watershed HUC# (if known) **-** Emergency Need? **No**
 Drainage area (mi² est.) **409**
 Associated FME's **999999** County **Harris,Liberty,Montgomery,San Jacinto,Walker**
 Associated FMS's **999999** Associated FMP's **999999**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**
 Population at risk **3,705** # of structures **1,896** Critical facilities **3**
 Farm/Ranch land impacted (acres) **72** Roadway(s) impacted (length) **73**
 Number of low water crossings **1** Historical road closures **1**

100-Year Flood Risk Reduction

Population removed from 100-yr **1412** # of structures removed from 100-yr **651**
 Critical facilities removed from 100-yr **1** Farm/Ranch land removed from 100-yr (acres) **5.86065578**
 Road removed from 100-yr (miles) **17** 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 **\$134,000,000** % Nature-Based **0** BCR **0.47**
 Recurring costs **\$10,007,205** Issues **Right-of-Way, Permitting, Acquisitions, Utility Conflicts, Transportation**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Galveston Bay Surge Protection Coastal Storm Risk Management**

ID# **063000127** Sponsor **Gulf Coast Protection District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Project Description

Federal projects identified in the Texas Coastal Study (2021) including Boliver Gates, Galveston Sea Wall Improvements, Ecosystem Restoration, Galveston Ring Barrier system, Clear Creek & Dickinson Bayou Gates, and non-structural measures.

Watershed HUC# (if known) **120401030201,120401030108,12040103010** Emergency Need? **Yes**

Drainage area (mi² est.) **1,905**

Associated FME's **999999** County **Brazoria,Galveston,Fort Bend,Chambers,Harris,Liberty**

Associated FMS's **999999** Associated FMP's **999999**

Existing 100-Year Flood Risk

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

Population at risk **438,685** # of structures **103,716** Critical facilities **3,158**

Farm/Ranch land impacted (acres) **10,544** Roadway(s) impacted (length) **1,681**

Number of low water crossings **39** Historical road closures **39**

100-Year Flood Risk Reduction

Population removed from 100-yr **346773** # of structures removed from 100-yr **75744**

Critical facilities removed from 100-yr **2086** Farm/Ranch land removed from 100-yr (acres) **4693.63183594**

Road removed from 100-yr (miles) **1056** Low water crossings removed from 100-yr **16**

Other benefits **Environmental, Public Uplift, Low Impact** Reduction in # of road closures over 10 years **16**

Impacts

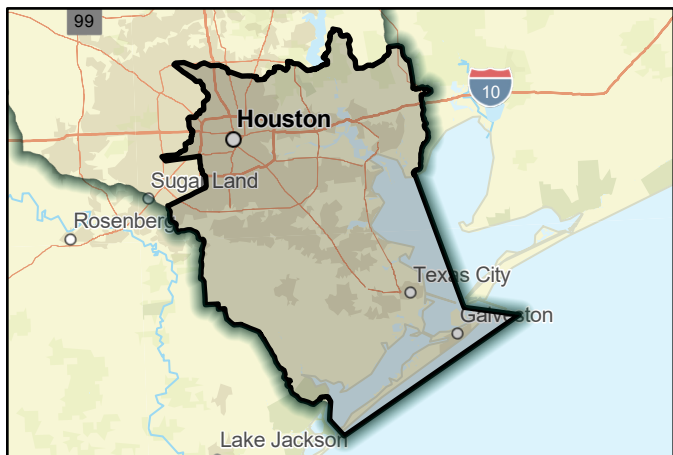
Negative impacts? **No** Negative impacts description **-**

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

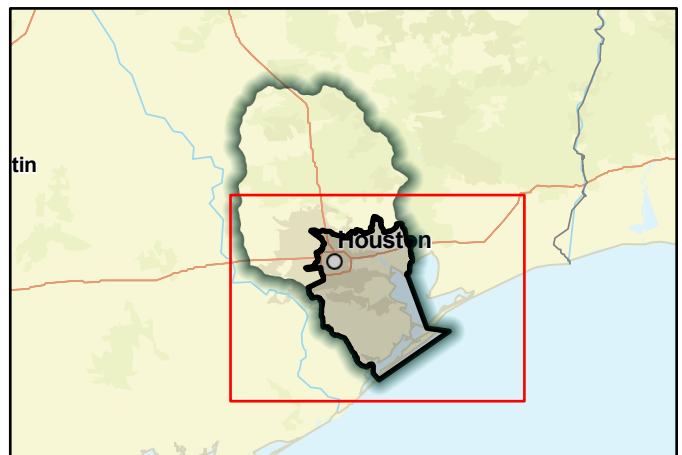
Estimated Cost

Project Cost **\$24,107,064,000** % Nature-Based **0** BCR **1.90999997**

Recurring costs **\$1,399,698,560** Issues **Right-of-Way, Permitting, Acquisitions, Relocations, Environmental Concerns**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Greens CDBG MIT Applicatoin Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North Forest, and**

ID# **063000167** Sponsor **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Project Description

Projects submitted as part of the CDBG MIT grant in Greens Bayou including Projects: Fountainview Sec 1&2, Castlewood Sec 3&4, North Forest, Mid-Reach Greens, Parkland Estates, and Humble Road Place.

Watershed HUC# (if known) **120401010501,120401010502,12040102010** Emergency Need? **Yes**

Drainage area (mi² est.) **166**

Associated FME's **999999** County **Harris**

Associated FMS's **999999** Associated FMP's **999999**

Existing 100-Year Flood Risk

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

Population at risk **82,257** # of structures **6,644** Critical facilities **112**

Farm/Ranch land impacted (acres) **127** Roadway(s) impacted (length) **1,558**

Number of low water crossings **2** Historical road closures **2**

100-Year Flood Risk Reduction

Population removed from 100-yr **21508** # of structures removed from 100-yr **1816**

Critical facilities removed from 100-yr **21** Farm/Ranch land removed from 100-yr (acres) **-3.21593904**

Road removed from 100-yr (miles) **2501851** Low water crossings removed from 100-yr **0**

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

Impacts

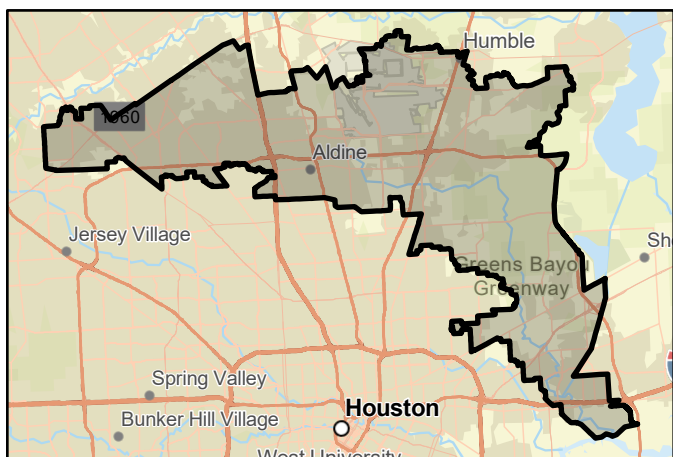
Negative impacts? **No** Negative impacts description **-**

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

Estimated Cost

Project Cost **\$120,284,000** % Nature-Based **0** BCR **2.13000011**

Recurring costs **\$7,287,419** Issues **Right-of-Way, Permitting, Acquisitions, Utility Conflicts**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Halls Bayou Watershed Mitigation Application 1 - CDBG MIT**

ID# **063000040** Sponsor **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Project Description

Projects submitted as part of the CDBG MIT grant in Halls Bayou which include five (5) regional channel and detention projects including C-28, C-41 Hardy West, C-41 Mainstem, C-30, and C-23.

Watershed HUC# (if known) **120401040605,120401040601,12040104030** Emergency Need? **Yes**

Drainage area (mi² est.) **44**

Associated FME's **999999** County **Harris**

Associated FMS's **999999** Associated FMP's **999999**

Existing 100-Year Flood Risk

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

Population at risk **55,015** # of structures **15,541** Critical facilities **96**

Farm/Ranch land impacted (acres) **15** Roadway(s) impacted (length) **139**

Number of low water crossings **7** Historical road closures **7**

100-Year Flood Risk Reduction

Population removed from 100-yr **9386** # of structures removed from 100-yr **3023**

Critical facilities removed from 100-yr **6** Farm/Ranch land removed from 100-yr (acres) **0.032652**

Road removed from 100-yr (miles) **17** Low water crossings removed from 100-yr **0**

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

Impacts

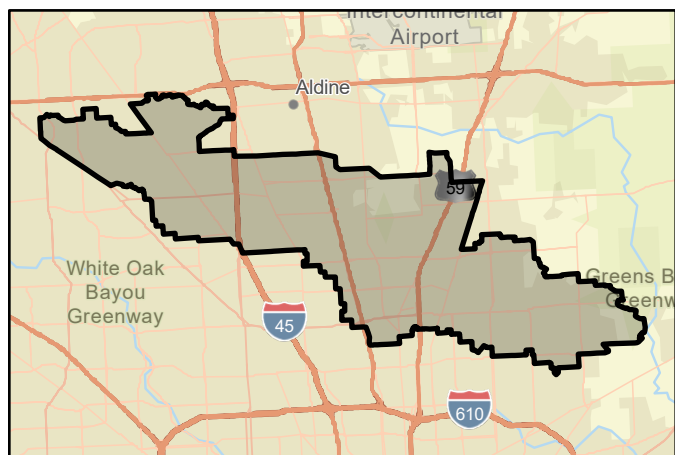
Negative impacts? **No** Negative impacts description **-**

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

Estimated Cost

Project Cost **\$99,653,000** % Nature-Based **0** BCR **1.46000004**

Recurring costs **\$6,037,488** Issues **Right-of-Way, Acquisition, Utility Conflicts, Environmental Concerns**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Houston Fifth Area Flood Mitigation**

ID# **063000417** Sponsor **Houston (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Project Description

This unfunded CDBG-MIT application involves installing various storm sewer infrastructure in the Fifth Ward and Market Square areas within the City of Houston.

Watershed HUC# (if known) **120401040701** Emergency Need? **No**

Drainage area (mi² est.) **41**

Associated FME's **999999** County **Harris**

Associated FMS's **999999** Associated FMP's **999999**

Existing 100-Year Flood Risk

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

Population at risk **8,005** # of structures **2,162** Critical facilities **19**

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **36**

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

100-Year Flood Risk Reduction

Population removed from 100-yr **4125** # of structures removed from 100-yr **1306**

Critical facilities removed from 100-yr **16** Farm/Ranch land removed from 100-yr (acres) **1.751e-05**

Road removed from 100-yr (miles) **16** Low water crossings removed from 100-yr **0**

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

Impacts

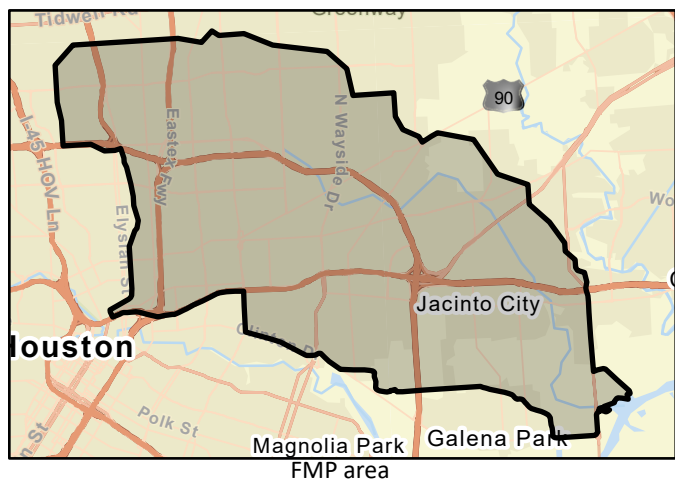
Negative impacts? **No** Negative impacts description **-**

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

Estimated Cost

Project Cost **\$89,753,487** % Nature-Based **0** BCR **1.87**

Recurring costs **\$5,437,724** Issues **-**



Flood Mitigation Project (FMP)



Title **Houston Kashmere Gardens Area Flood Mitigation**

ID# **063000434** Sponsor **Houston (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Project Description

The project includes improvements to storm sewer, roadside ditch systems, culverts, sewer inlets, and the construction of detention basins.

Watershed HUC# (if known) **120401040703,120401040604,12040104060** Emergency Need? **No**

Drainage area (mi² est.) **31**

Associated FME's **999999** County **Harris**

Associated FMS's **999999** Associated FMP's **999999**

Existing 100-Year Flood Risk

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

Population at risk **3,569** # of structures **1,221** Critical facilities **5**

Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **21**

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

100-Year Flood Risk Reduction

Population removed from 100-yr **1494** # of structures removed from 100-yr **457**

Critical facilities removed from 100-yr **1** 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

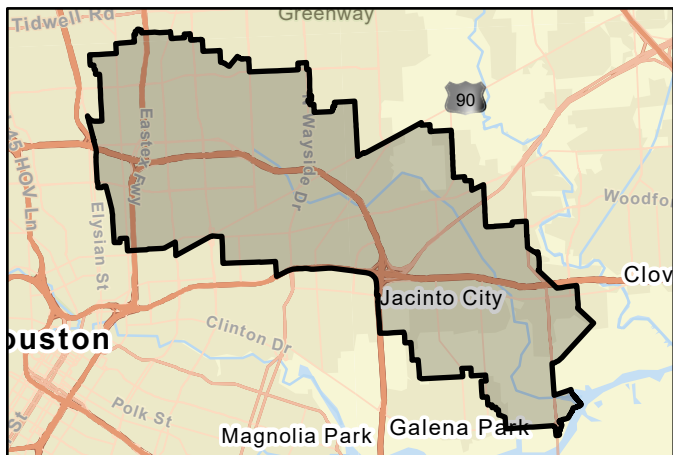
Negative impacts? **No** Negative impacts description **-**

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

Estimated Cost

Project Cost **\$94,879,859** % Nature-Based **0** BCR **1.09**

Recurring costs **\$5,748,306** Issues **-**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Project Description

The project includes storm sewer improvements on nearly every street in the Pleasantville neighborhood to improve conveyance capacity and construction of a detention basin.

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

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

Population at risk # of structures Critical facilities

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

Number of low water crossings 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

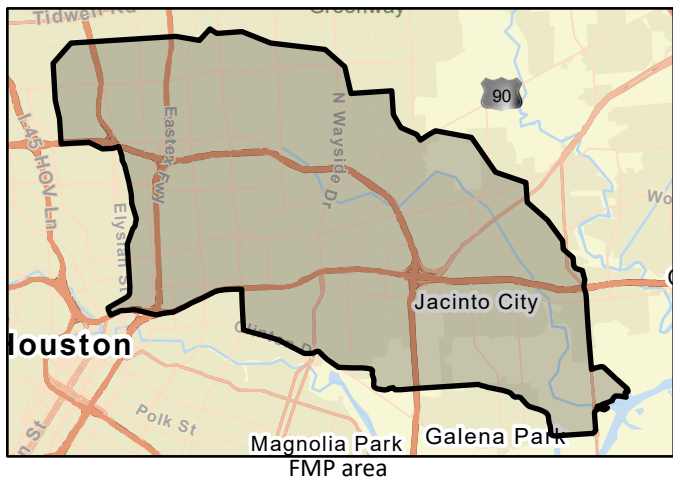
Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



Flood Mitigation Project (FMP)



Title **Houston Sunnyside Area Flood Mitigation**

ID# **063000468** Sponsor **Houston (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Project Description

Includes new storm sewer trunk systems on major thoroughfares & new or improved neighborhood storm sewer systems. Will also require construction of detention basins to mitigate the proposed improvements.

Watershed HUC# (if known) **120401040402,120401040502,12040104050** Emergency Need? **No**

Drainage area (mi² est.) **24**

Associated FME's **999999** County **Harris**

Associated FMS's **999999** Associated FMP's **999999**

Existing 100-Year Flood Risk

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

Population at risk **29,877** # of structures **7,876** Critical facilities **97**

Farm/Ranch land impacted (acres) **4** Roadway(s) impacted (length) **105**

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

100-Year Flood Risk Reduction

Population removed from 100-yr **4760** # of structures removed from 100-yr **1410**

Critical facilities removed from 100-yr **20** Farm/Ranch land removed from 100-yr (acres) **0.03077**

Road removed from 100-yr (miles) **9** Low water crossings removed from 100-yr **0**

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

Impacts

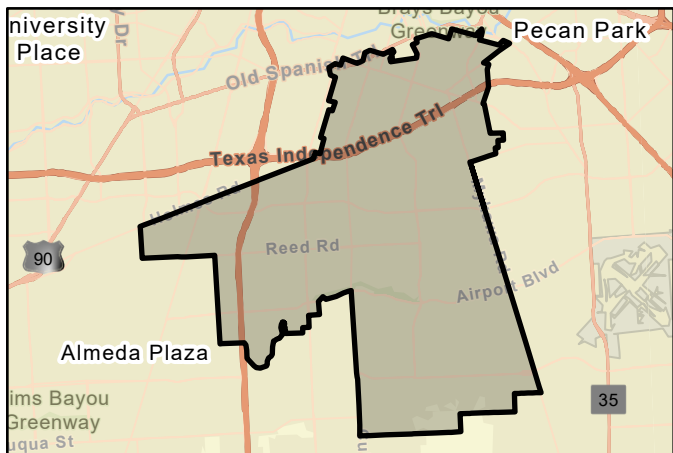
Negative impacts? **No** Negative impacts description **-**

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

Estimated Cost

Project Cost **\$111,281,647** % Nature-Based **0** BCR **1.2**

Recurring costs **\$551,258** Issues **-**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Lake Creek - Detention on Garretts Creek, Little Caney Creek, & Caney Creek**

ID# **063000060** Sponsor **Montgomery (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Project Description

The goal of the detention ponds is to reduce flooding in the Lake Creek and West Fork watersheds by constructing earthen impoundments that captures runoff from Garrett's Creek, Caney Creek, & Little Caney Creek.

Watershed HUC# (if known) **120401010101,120401010301,12040101030** Emergency Need? **Yes**

Drainage area (mi² est.) **104**

Associated FME's **999999** County **Montgomery,Grimes**

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 **488** # of structures **479** Critical facilities **0**

Farm/Ranch land impacted (acres) **198** Roadway(s) impacted (length) **18**

Number of low water crossings **5** Historical road closures **5**

100-Year Flood Risk Reduction

Population removed from 100-yr **383** # of structures removed from 100-yr **355**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **-4.00026083**

Road removed from 100-yr (miles) **5** Low water crossings removed from 100-yr **1**

Other benefits **-** Reduction in # of road closures over 10 years **1**

Impacts

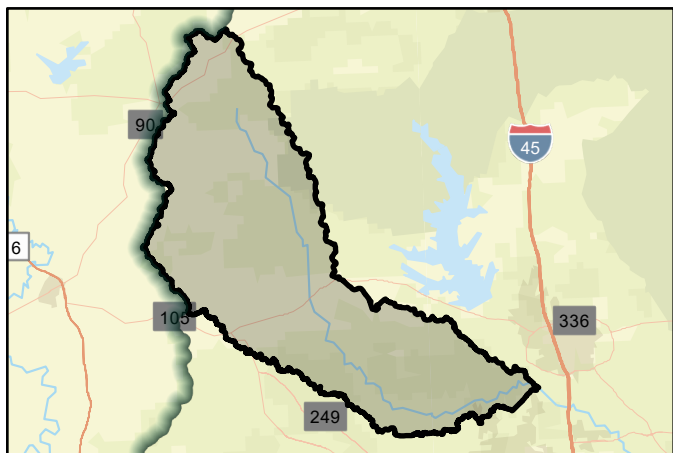
Negative impacts? **No** Negative impacts description **-**

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

Estimated Cost

Project Cost **\$291,000,000** % Nature-Based **0** BCR **0.25999999**

Recurring costs **\$7,849,952** Issues **Right-of-Way, Permitting, Acquisitions, Relocations, Utility Conflicts**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3**

ID# **063000026** Sponsor **League City (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Project Description

The LCC Alt. Combination 3 as proposed as part of the LCCDBFMP (2021), including detention channel benching, a diversion tunnel, capacity improvements, and an auxiliary opening.

Watershed HUC# (if known) **120402040200,120402040100** Emergency Need? **No**

Drainage area (mi² est.) **110**

Associated FME's **999999** County **Brazoria, Galveston, Harris**

Associated FMS's **999999** Associated FMP's **999999**

Existing 100-Year Flood Risk

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

Population at risk **15,959** # of structures **3,642** Critical facilities **18**

Farm/Ranch land impacted (acres) **131** Roadway(s) impacted (length) **119**

Number of low water crossings **9** Historical road closures **9**

100-Year Flood Risk Reduction

Population removed from 100-yr **3653** # of structures removed from 100-yr **911**

Critical facilities removed from 100-yr **8** Farm/Ranch land removed from 100-yr (acres) **16.10678864**

Road removed from 100-yr (miles) **26** Low water crossings removed from 100-yr **1**

Other benefits **-** Reduction in # of road closures over 10 years **1**

Impacts

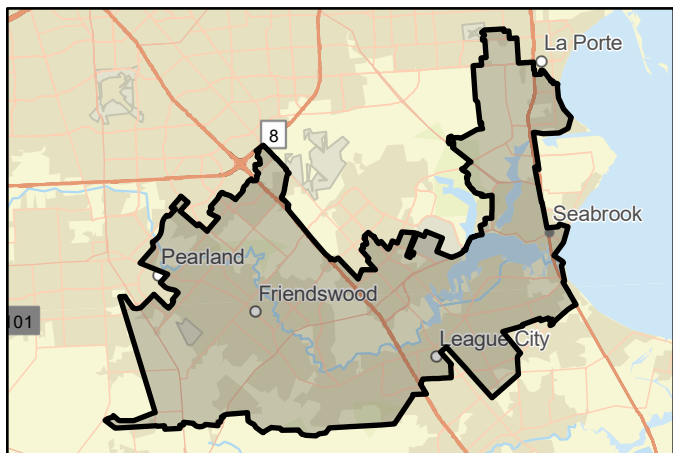
Negative impacts? **No** Negative impacts description **-**

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

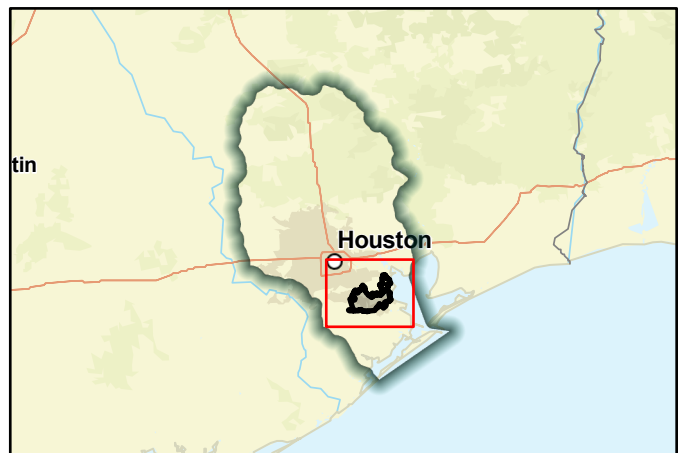
Estimated Cost

Project Cost **\$1,150,000,000** % Nature-Based **0** BCR **0.06**

Recurring costs **\$69,672,864** Issues **Right-of-Way, Permitting, Acquisitions, Relocations, Utility Conflicts**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek**

ID# **063000061** Sponsor **Montgomery (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Project Description

Widen 4.3-mile-long stretch to increase conveyance capacity. Must be completed with 4.7-mile-long detention at SH105 and 3.2-mile-long at Walker Creek to reduce flooding in Peach Creek watershed.

Watershed HUC# (if known) **120401030110,120401030102,12040103010** Emergency Need? **Yes**

Drainage area (mi² est.) **158**

Associated FME's **999999** County **Liberty, Montgomery, San Jacinto, Walker**

Associated FMS's **999999** Associated FMP's **999999**

Existing 100-Year Flood Risk

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

Population at risk **2,394** # of structures **1,516** Critical facilities **1**

Farm/Ranch land impacted (acres) **16** Roadway(s) impacted (length) **45**

Number of low water crossings **6** Historical road closures **6**

100-Year Flood Risk Reduction

Population removed from 100-yr **1855** # of structures removed from 100-yr **1146**

Critical facilities removed from 100-yr **1** Farm/Ranch land removed from 100-yr (acres) **2.85938144**

Road removed from 100-yr (miles) **24** Low water crossings removed from 100-yr **0**

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

Impacts

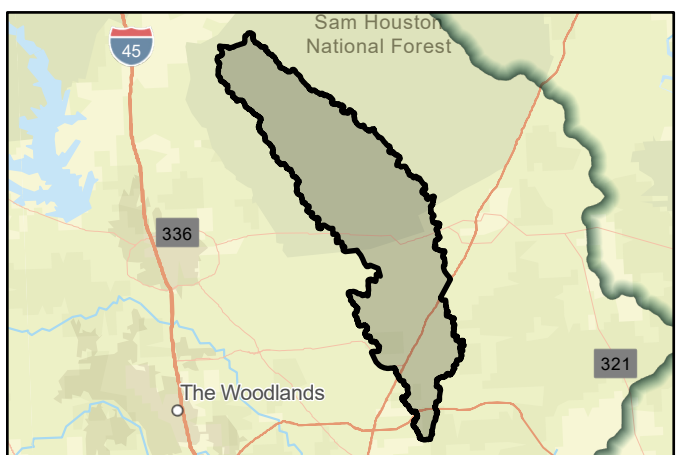
Negative impacts? **No** Negative impacts description **-**

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

Estimated Cost

Project Cost **\$810,000,000** % Nature-Based **0** BCR **0.25999999**

Recurring costs **\$48,657,712** Issues **Right-of-Way, Permitting, Acquisitions, Relocations, Utility Conflicts**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel**

ID# **063000037** Sponsor **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Project Description

Projects submitted as part of the CDBG MIT grant in the Sims Bayou Watershed which include three (3) regional channel and detention projects including C147/C547, Saltwater Ditch, and C506.

Watershed HUC# (if known) **120401040703,120401040402,12040104050** Emergency Need? **Yes**

Drainage area (mi² est.) **93**

Associated FME's **999999** County **Fort Bend,Harris**

Associated FMS's **999999** Associated FMP's **999999**

Existing 100-Year Flood Risk

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

Population at risk **18,899** # of structures **4,367** Critical facilities **59**

Farm/Ranch land impacted (acres) **5** Roadway(s) impacted (length) **55**

Number of low water crossings **4** Historical road closures **4**

100-Year Flood Risk Reduction

Population removed from 100-yr **9352** # of structures removed from 100-yr **2283**

Critical facilities removed from 100-yr **32** Farm/Ranch land removed from 100-yr (acres) **2.46273494**

Road removed from 100-yr (miles) **17** Low water crossings removed from 100-yr **2**

Other benefits **-** Reduction in # of road closures over 10 years **2**

Impacts

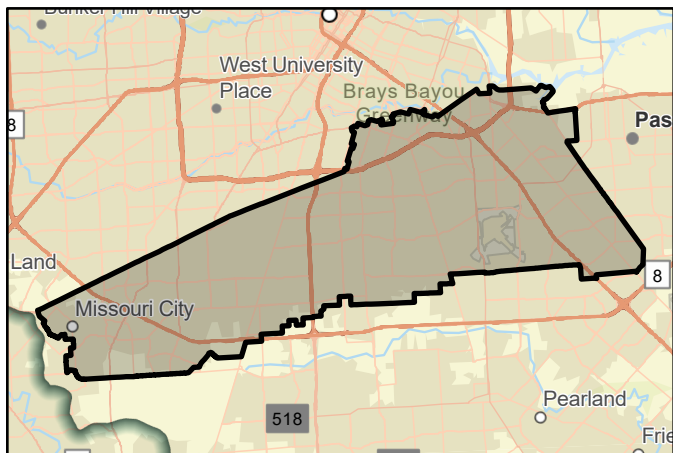
Negative impacts? **No** Negative impacts description **-**

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

Estimated Cost

Project Cost **\$99,653,000** % Nature-Based **0** BCR **1.79999995**

Recurring costs **\$6,037,488** Issues **Right-of-Way, Permitting, Acquisitions, Utility Conflicts**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Spring Creek - Woodland (200-ft) and I-45 Channelization with detention at Birch Creek and Walnut Creek**

ID# **063000062** Sponsor **Montgomery (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Project Description

8.9-mile, 200-foot-wide benched improvement 4-feet above the flowline of Woodlands channel and 6.9-mile, 300-foot-wide benched improvement 4 feet above I-45 channel. Must be completed with detention on Birch Creek and Walnut Creek.

Watershed HUC# (if known) **120401030110,120401030102,12040103010** Emergency Need? **Yes**

Drainage area (mi² est.) **386**

Associated FME's **999999** County **Harris,Waller,Montgomery,Grimes**

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 **24,721** # of structures **7,487** Critical facilities **15**

Farm/Ranch land impacted (acres) **132** Roadway(s) impacted (length) **121**

Number of low water crossings **7** Historical road closures **7**

100-Year Flood Risk Reduction

Population removed from 100-yr **18240** # of structures removed from 100-yr **5479**

Critical facilities removed from 100-yr **8** Farm/Ranch land removed from 100-yr (acres) **12.82583237**

Road removed from 100-yr (miles) **69** Low water crossings removed from 100-yr **0**

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

Impacts

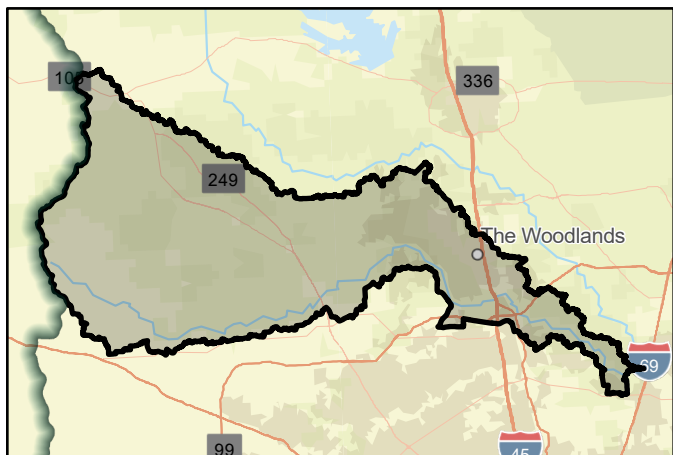
Negative impacts? **No** Negative impacts description **-**

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

Estimated Cost

Project Cost **\$393,000,000** % Nature-Based **0** BCR **0.73000002**

Recurring costs **\$23,310,180** Issues **Right-of-Way, Permitting, Acquisitions, Utility Conflicts, Transportation Conflicts**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization**

ID# **063000064** Sponsor **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Project Description

Channel improvement to reduce flooding in West Fork watershed by benching/widening to increase conveyance capacity of West Fork to lower the water surface elevation. Conduct after or in conjunction with detention on Lake Creek or Spring Creek.

Watershed HUC# (if known) **120401010502,120401010501,12040101040** Emergency Need? **No**

Drainage area (mi² est.) **141**

Associated FME's **999999** County **Harris, Montgomery**

Associated FMS's **999999** Associated FMP's **999999**

Existing 100-Year Flood Risk

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

Population at risk **21,983** # of structures **4,364** Critical facilities **50**

Farm/Ranch land impacted (acres) **381** Roadway(s) impacted (length) **107**

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

100-Year Flood Risk Reduction

Population removed from 100-yr **7636** # of structures removed from 100-yr **1638**

Critical facilities removed from 100-yr **10** Farm/Ranch land removed from 100-yr (acres) **19.39033127**

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

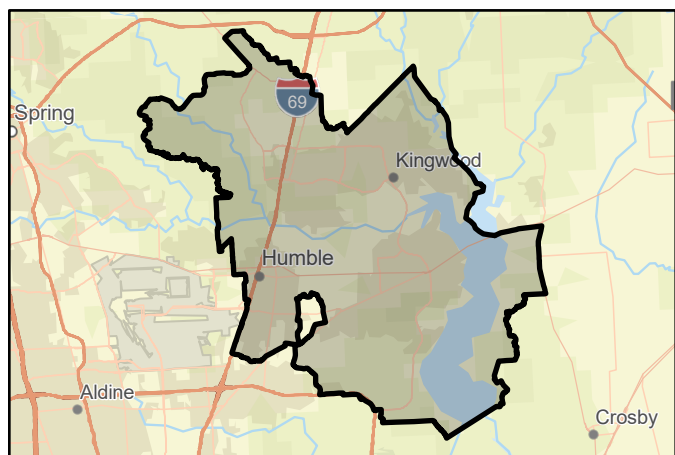
Negative impacts? **No** Negative impacts description **-**

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

Estimated Cost

Project Cost **\$994,000,000** % Nature-Based **0** BCR **0.1**

Recurring costs **\$50,814,968** Issues **Right-of-Way, Permitting, Acquisitions, Utility Conflicts, Transportation Conflicts**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak**

ID# **063000046** Sponsor **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Project Description

Projects submitted as part of the CDBG MIT grant in the White Oak Bayou Watershed which include five (5) regional channel and detention projects including Kolbe Road, Barwood, E132-00-00, Tower Oaks, & Little White Oak Bayous.

Watershed HUC# (if known) **120401020104,120401020106,12040104060** Emergency Need? **Yes**

Drainage area (mi² est.) **111**

Associated FME's **999999** County **Harris**

Associated FMS's **999999** Associated FMP's **999999**

Existing 100-Year Flood Risk

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

Population at risk **15,842** # of structures **2,937** Critical facilities **41**

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **47**

Number of low water crossings **4** Historical road closures **4**

100-Year Flood Risk Reduction

Population removed from 100-yr **3899** # of structures removed from 100-yr **670**

Critical facilities removed from 100-yr **3** Farm/Ranch land removed from 100-yr (acres) **0.004458**

Road removed from 100-yr (miles) **7** Low water crossings removed from 100-yr **0**

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

Impacts

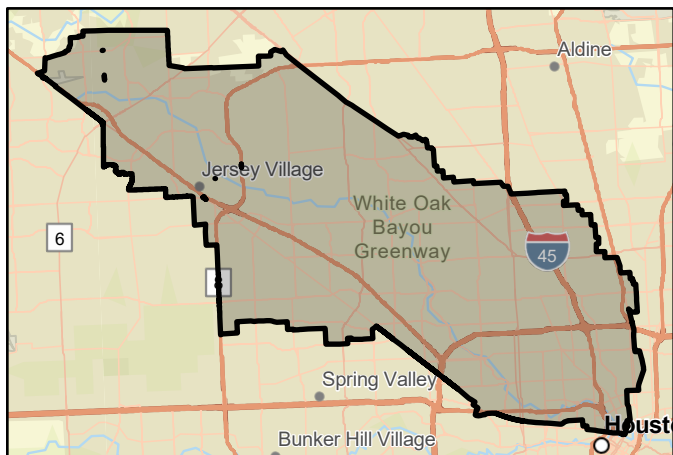
Negative impacts? **No** Negative impacts description **-**

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

Estimated Cost

Project Cost **\$120,015,000** % Nature-Based **0** BCR **0.80000001**

Recurring costs **\$7,271,121** Issues **Right-of-Way, Permitting, Acquisitions, Transportation Conflicts, Environmental**



FMP area



Regional view of FMP area

**Appendix 5-5B:
One-Page Summaries of Recommended FMSs**

Flood Management Strategy (FMS)



Title **Amending Grimes County Floodplain Ordinance**

ID# **062000035** Sponsor **Grimes (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Regulatory and Guidance		
Strategy description	Prohibit the building of any new structures located down-stream of high hazard dams by amending the floodplain ordinance.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	799
Watershed HUC# (if known)	120401010101,120401010301,120401010302,120401010303,1204010101		County Grimes

Existing 100-Year Flood Risk

Population at risk	120	# of structures	145	Critical facilities	0
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	151	Roadway(s) impacted (miles)	11		
Number of low water crossings	1	Historical road closures	1		

100-Year Flood Risk Reduction

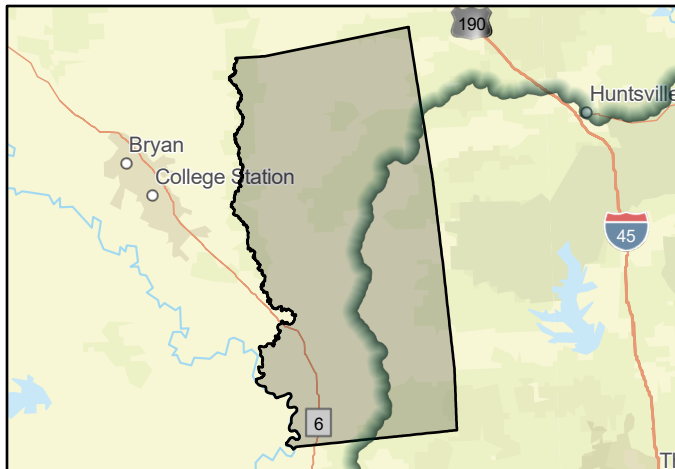
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

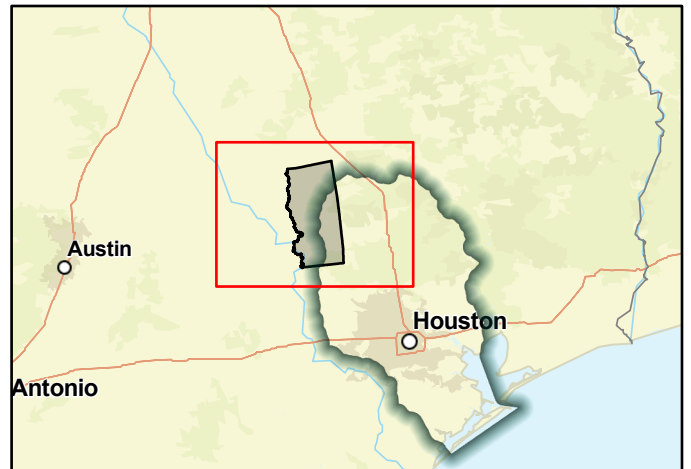
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$20,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Brazoria County Dam and Levee Failure Outreach and Education campaign**

ID# **062000034** Sponsor **Brazoria (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Education and Outreach		
Strategy description	Implement an outreach and education campaign to educate the public on mitigation techniques for dam and levee failure to reduce loss of life and property.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	1,482
Watershed HUC# (if known)	120402040300,120402040200,120402040400,120402040100		County Brazoria

Existing 100-Year Flood Risk

Population at risk	65,547	# of structures	18,848	Critical facilities	248
Flood risk type:	Riverine? Yes	Coastal? Yes	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	8,584	Roadway(s) impacted (miles)	328		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

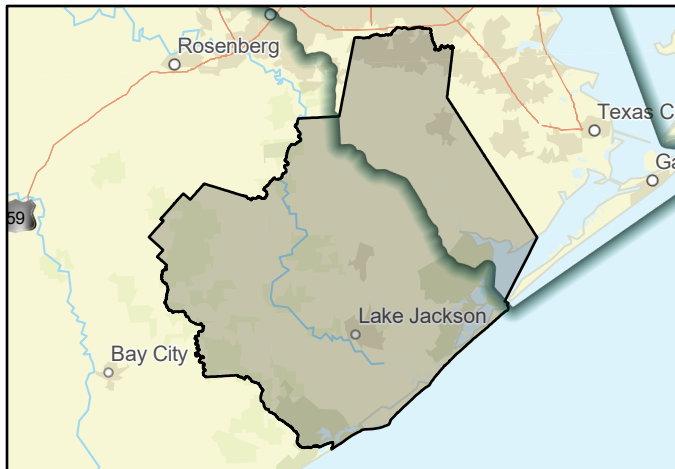
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	Public Education	Reduction in # of road closures over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

Impacts

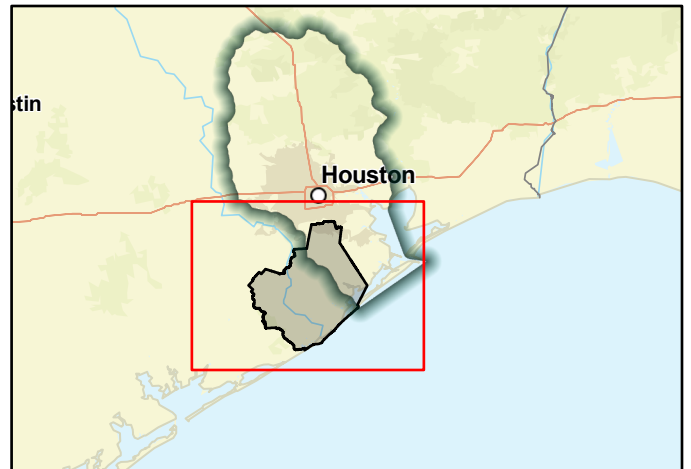
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$20,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Brazoria County Increased Cost of Compliance Education**

ID# **062000013** Sponsor **Brazoria (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Education and Outreach		
Strategy description	Implement campaign on public education of ICC (Increased Cost of Compliance) coverage.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	1,482
Watershed HUC# (if known)	120402040300,120402040200,120402040400,120402040100		County Brazoria

Existing 100-Year Flood Risk

Population at risk	65,536	# of structures	18,845	Critical facilities	248
Flood risk type:	Riverine? Yes	Coastal? Yes	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	8,577	Roadway(s) impacted (miles)	328		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

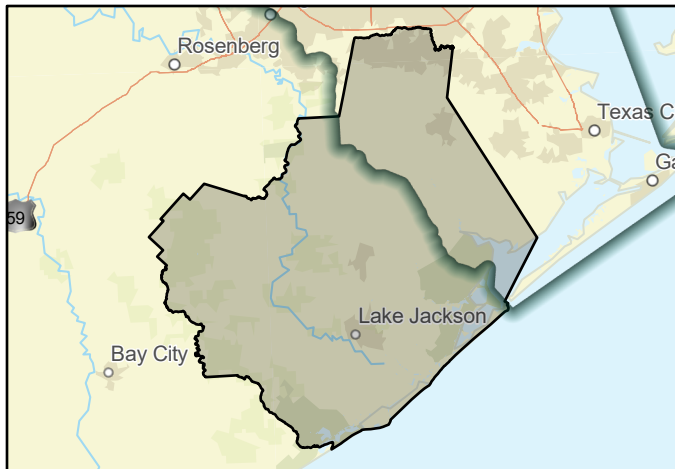
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	Public Education	Reduction in # of road closures over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

Impacts

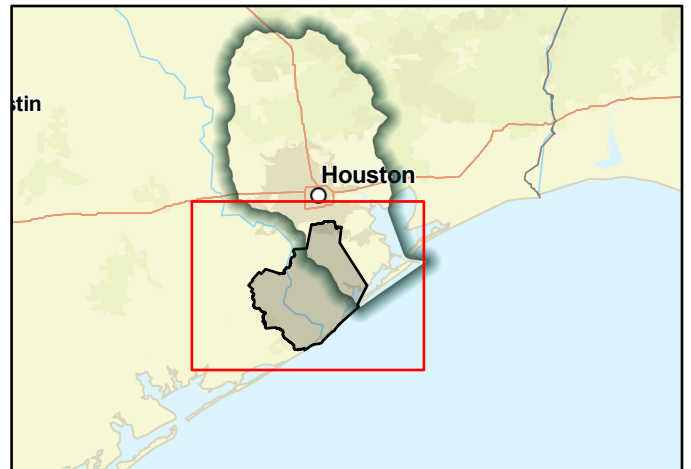
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$20,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Brazoria County Non-structural Mitigation / Land Preservation**

ID# **062000032** Sponsor **Brazoria (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Property Acquisition and Structural Elevation		
Strategy description	Up to 35,0000 acres of land could be purchased to help reduce the impacts of natrual hazards by converting the space to floodwater storage, groundwater recharge, erosion, drought mitigation, in the form of public green space.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	1,482
Watershed HUC# (if known)	120402040300,120402040200,120402040400,120402040100		County Brazoria

Existing 100-Year Flood Risk

Population at risk	65,547	# of structures	18,848	Critical facilities	248
Flood risk type:	Riverine? Yes	Coastal? Yes	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	8,584	Roadway(s) impacted (miles)	328		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

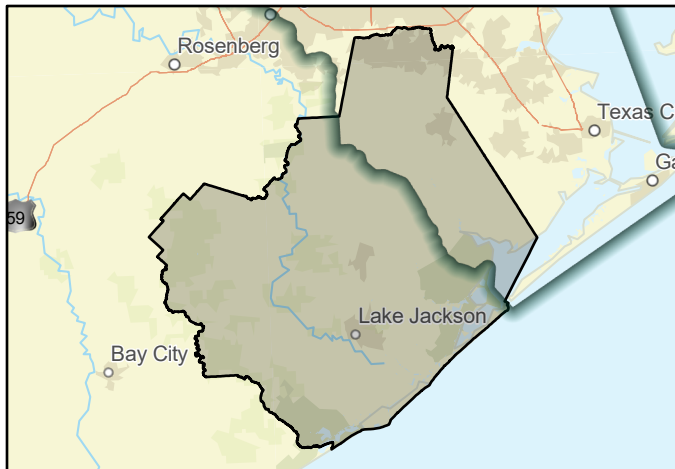
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	Environmental, Low Impact Development Features	Reduction in # of road closures over 10 years	-

Impacts

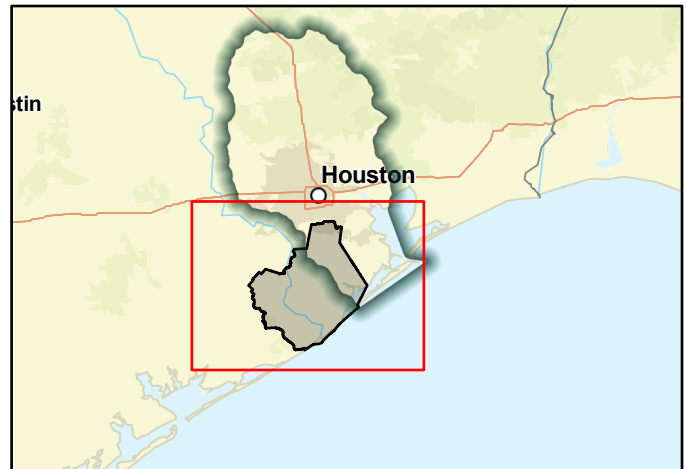
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$65,000,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Brazoria County Structure Elevation**

ID# **062000031** Sponsor **Brazoria (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Property Acquisition and Structural Elevation		
Strategy description	Elevate structures in flood zone. Over 70% of these structures are pre-firm and do not meet current FEMA elevation standards. FEMA estimates that over 400 structures may be substantially damaged and must be elevated to meet current standards.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	1,482
Watershed HUC# (if known)	120402040300,120402040200,120402040400,120402040100		County Brazoria

Existing 100-Year Flood Risk

Population at risk	65,547	# of structures	18,848	Critical facilities	248
Flood risk type:	Riverine? Yes	Coastal? Yes	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	8,584	Roadway(s) impacted (miles)	328		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

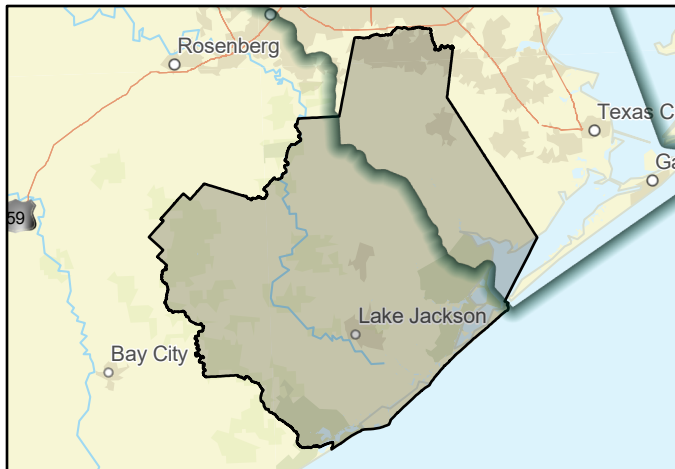
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

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

Estimated Cost

Strategy Cost	\$60,000,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Yes Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Other"/>		
Strategy description	<input type="text" value="Apply and once accepted maintain and/or improve CRS status. Cost is time, data and preparation of a CRS application. Benefit, if approved homeowner with flood insurance could receive a discount based on the City's CRS score."/>		
Associated FME's	<input type="text" value="999999"/>	Associated FMP's	<input type="text" value="999999"/>
Associated FMS's	<input type="text" value="999999"/>	Drainage area (mi ² , est.)	<input type="text" value="16"/>
Watershed HUC# (if known)	<input type="text" value="120402040200,120402040400,120402040100"/>		County <input type="text" value="Brazoria"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="21,551"/>	# of structures	<input type="text" value="3,428"/>	Critical facilities	<input type="text" value="18"/>
Flood risk type:	Riverine? <input checked="" type="checkbox"/> Yes	Coastal? <input type="checkbox"/> No	Local? <input checked="" type="checkbox"/> Yes	Playa? <input type="checkbox"/> No	Other? <input type="checkbox"/> No
Farm/Ranch land impacted (acres)	<input type="text" value="176"/>	Roadway(s) impacted (miles)	<input type="text" value="52"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

100-Year Flood Risk Reduction

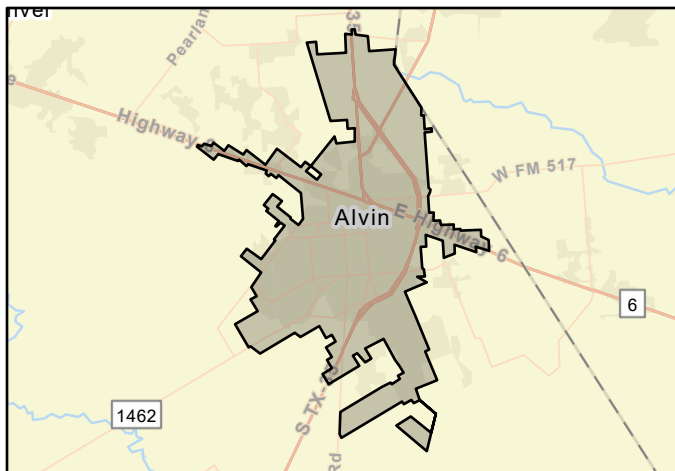
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

Estimated Cost

Strategy Cost	<input type="text" value="\$25,000"/>	Amount of available funding	<input type="text" value="25000"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Yes Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Regulatory and Guidance"/>		
Strategy description	<input type="text" value="Hire a full-time floodplain administrator who can support CRS application, NFIP, mapping and community floodplain support. A dedicated employee could help the community obtain CRS status and full time flood plain support."/>		
Associated FME's	<input type="text" value="999999"/>	Associated FMP's	<input type="text" value="999999"/>
Associated FMS's	<input type="text" value="999999"/>	Drainage area (mi ² , est.)	<input type="text" value="25"/>
Watershed HUC# (if known)	<input type="text" value="120402040300,120402040200,120402040400,120402040100"/>		County <input type="text" value="Brazoria,Galveston,Fort Bend"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="21,569"/>	# of structures	<input type="text" value="3,445"/>	Critical facilities	<input type="text" value="18"/>
Flood risk type:	Riverine? <input checked="" type="checkbox"/> Yes	Coastal? <input type="checkbox"/> No	Local? <input checked="" type="checkbox"/> Yes	Playa? <input type="checkbox"/> No	Other? <input type="checkbox"/> No
Farm/Ranch land impacted (acres)	<input type="text" value="262"/>	Roadway(s) impacted (miles)	<input type="text" value="57"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

100-Year Flood Risk Reduction

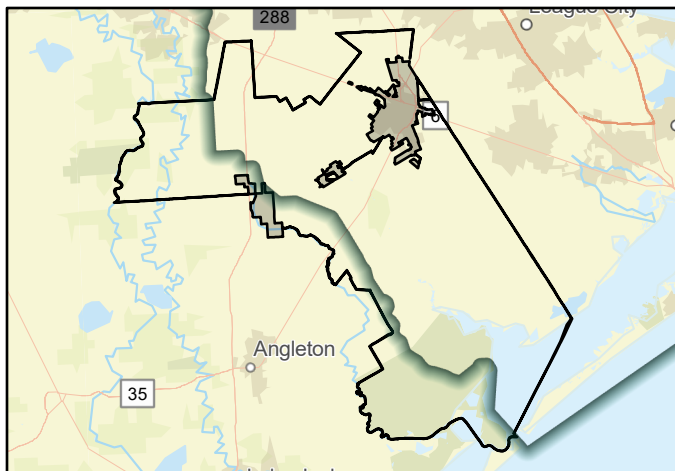
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

Estimated Cost

Strategy Cost	<input type="text" value="\$100,000"/>	Amount of available funding	<input type="text" value="100000"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **City of Bayou Vista Management Practices for Securing Windblown Debris in Canals**

ID# **062000050** Sponsor **Bayou Vista (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Infrastructure Projects		
Strategy description	Debris generated by many hazards if the level of intensity allows. Implement plan to remove debris throughout the canal system especially since Bayou Vista is a residential canal community.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	0
Watershed HUC# (if known)	120402040200	County	Galveston

Existing 100-Year Flood Risk

Population at risk	1,502	# of structures	1,122	Critical facilities	3
Flood risk type:	Riverine? Yes	Coastal? Yes	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	0	Roadway(s) impacted (miles)	8		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

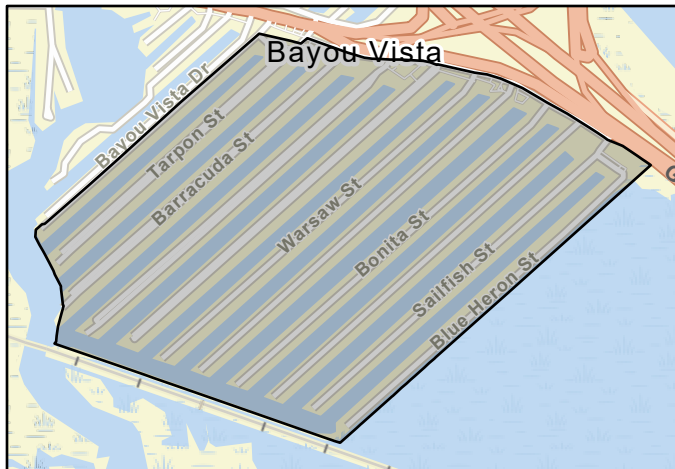
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	Environmental	Reduction in # of road closures over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

Impacts

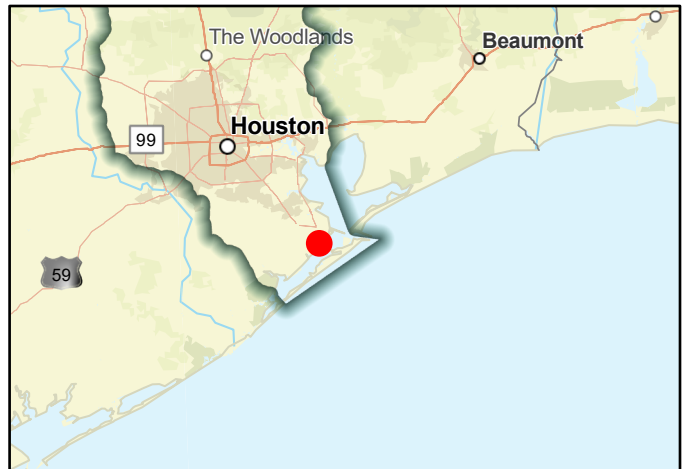
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$100,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **City of Bayou Vista Severe Weather Warning Systems**

ID# **062000028** Sponsor **Bayou Vista (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **Purchase and install severe weather warning systems**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999** Drainage area (mi², est.) **0**

Watershed HUC# (if known) **120402040200** County **Galveston**

Existing 100-Year Flood Risk

Population at risk **1,500** # of structures **1,121** Critical facilities **3**

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

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (miles) **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 **-**

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

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

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

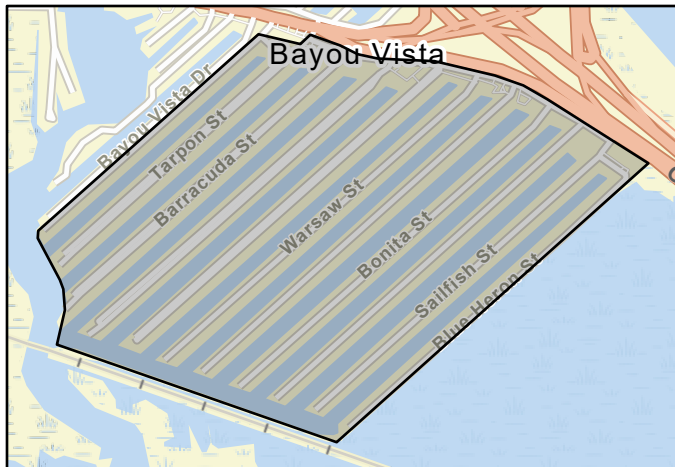
Impacts

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

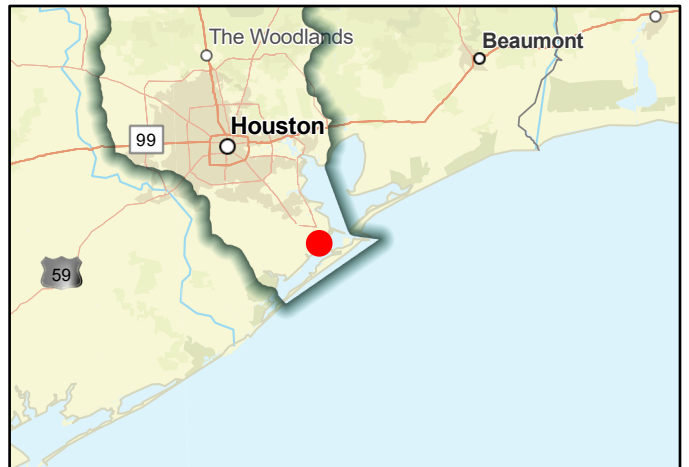
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$35,000** Amount of available funding **-** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **City of Bellaire Drainage Requirements and Flood Damage Prevention Ordinance**

ID# **062000003** Sponsor **Bellaire (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Other		
Strategy description	Develop updates to Bellaire's residential and non-residential drainage requirements and the City's flood damage prevention ordinance, in alignment with Bellaire's broader flood risk management goals and objectives.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	4
Watershed HUC# (if known)	120401040402,120401040401,120401040402,120401040401		County Harris

Existing 100-Year Flood Risk

Population at risk	37,604	# of structures	5,879	Critical facilities	71
Flood risk type:	Riverine? No	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	0	Roadway(s) impacted (miles)	71		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

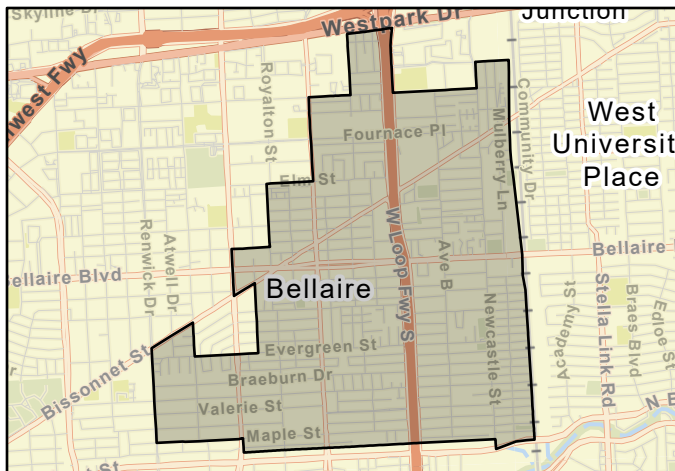
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

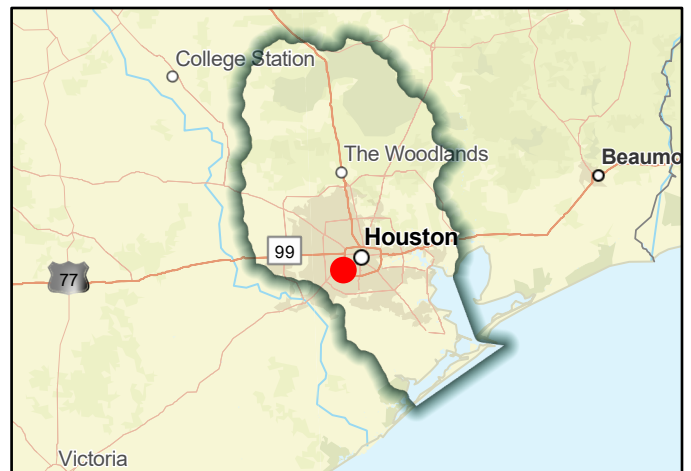
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$50,000	Amount of available funding	12500	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **City of Bellaire Flood Early Warning System**

ID# **062000049** Sponsor **Bellaire (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **Develop Flood Early Warning System for the City of Bellaire to inform emergency responders and to assist residents in making safe decisions during major storm events.**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999** Drainage area (mi², est.) **4**

Watershed HUC# (if known) **120401040402,120401040401** County **Harris**

Existing 100-Year Flood Risk

Population at risk **37,604** # of structures **5,879** Critical facilities **71**

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

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (miles) **71**

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

100-Year Flood Risk Reduction

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

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

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

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

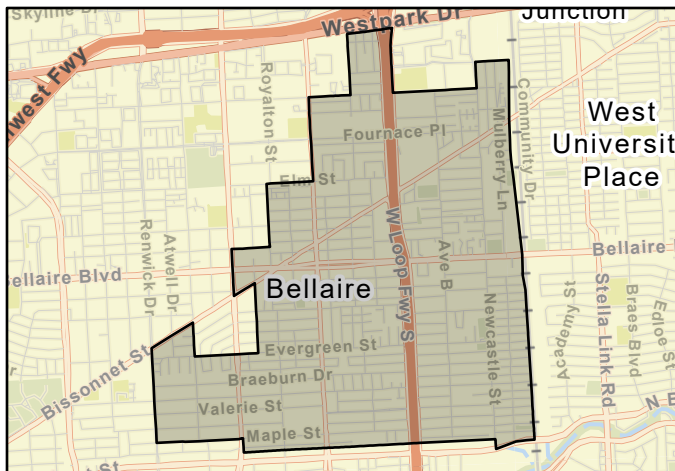
Impacts

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

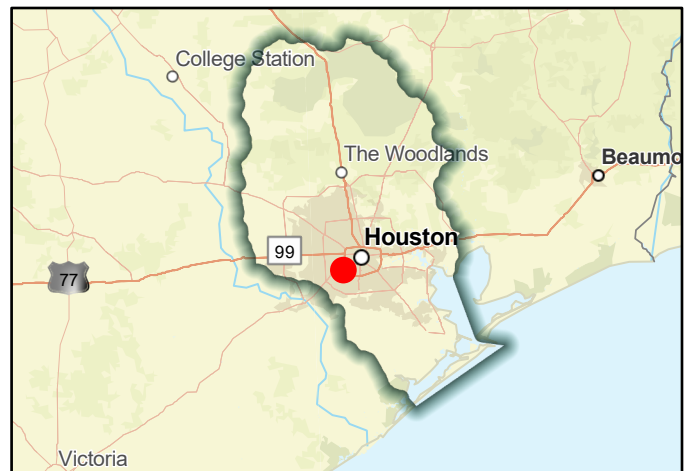
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$150,000** Amount of available funding **37500** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **City of Bellaire Flood Rescue Plan**

ID# **062000033** Sponsor **Bellaire (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Develop a plan to address rescues from one-story homes and older two-story homes. Develop a plan to evacuate disabled/physically impaired/elderly individuals from homes in advance of anticipated high rainfall events. (Bellaire Fire Department)**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999** Drainage area (mi², est.) **4**

Watershed HUC# (if known) **120401040402,120401040401** County **Harris**

Existing 100-Year Flood Risk

Population at risk **37,604** # of structures **5,879** Critical facilities **71**

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

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (miles) **71**

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

100-Year Flood Risk Reduction

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

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

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

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

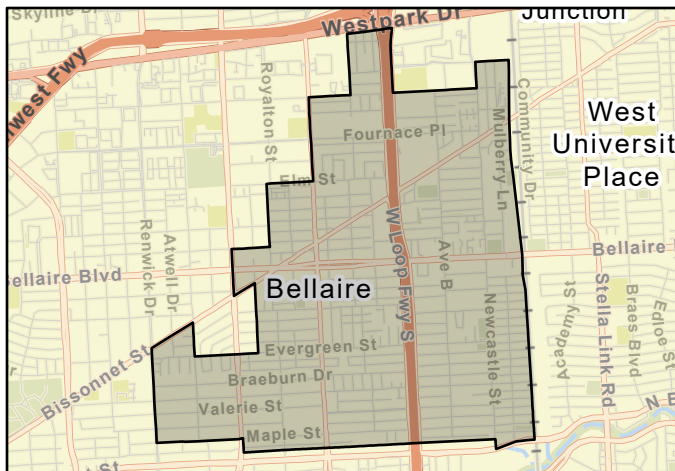
Impacts

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

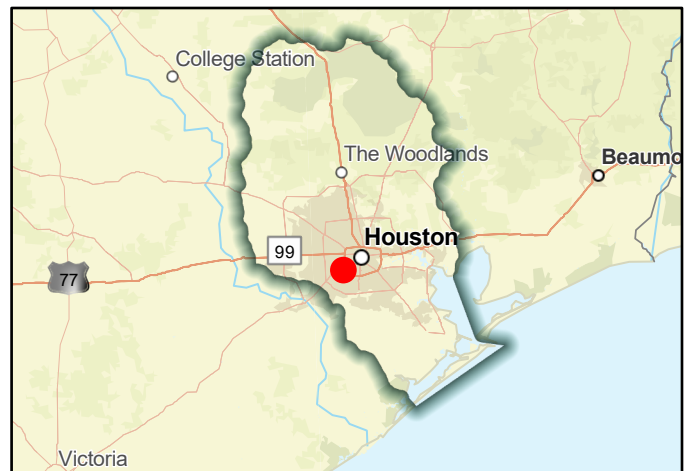
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$200,000** Amount of available funding **50000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **City of Bellaire Floodwater Public Awareness Initiatives**

ID# **062000005** Sponsor **Bellaire (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Education and Outreach**

Strategy description **Periodically distribute messages to residents warning of dangers of walking or playing in floodwaters. Develop a plan with local schools to educate children to avoid walking, playing, or riding bicycles in floodwaters.**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999** Drainage area (mi², est.) **4**

Watershed HUC# (if known) **120401040402,120401040401,120401040402,120401040401** County **Harris**

Existing 100-Year Flood Risk

Population at risk **37,604** # of structures **5,879** Critical facilities **71**

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

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (miles) **71**

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

100-Year Flood Risk Reduction

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

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

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

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

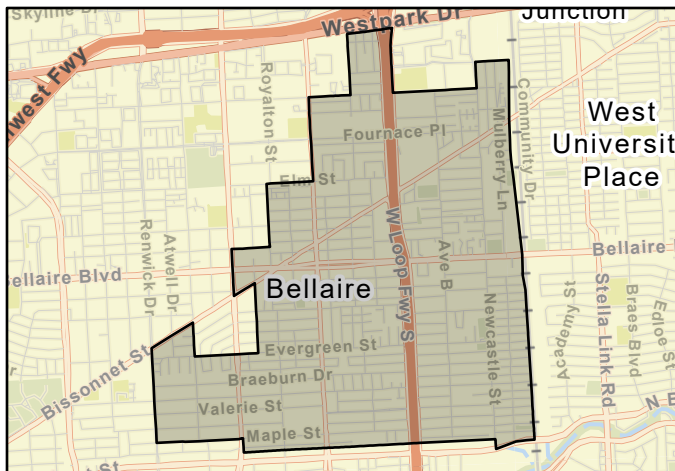
Impacts

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

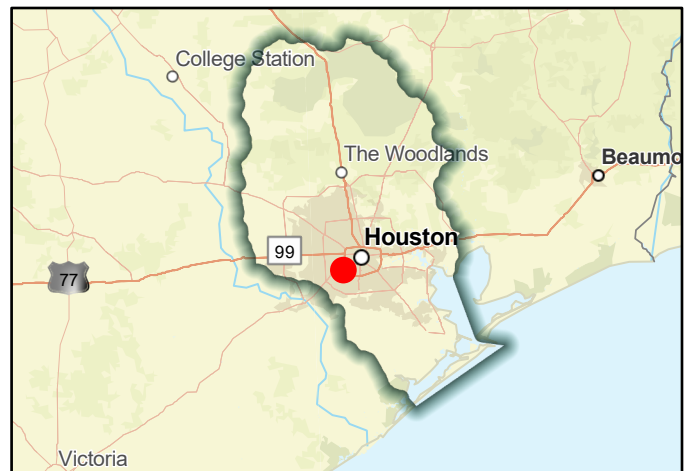
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$50,000** Amount of available funding **12500** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **City of Bellaire Non-Structural Flood Risk Reduction Strategies**

ID# **062000002** Sponsor **Bellaire (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Other		
Strategy description	Conduct planning and outreach efforts to identify residents interested in buy-out, home elevation, or flood proofing programs, and develop plans or grant applications to support interested parties.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	4
Watershed HUC# (if known)	120401040402,120401040401,120401040402,120401040401		County Harris

Existing 100-Year Flood Risk

Population at risk	37,604	# of structures	5,879	Critical facilities	71
Flood risk type:	Riverine? No	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	0	Roadway(s) impacted (miles)	71		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

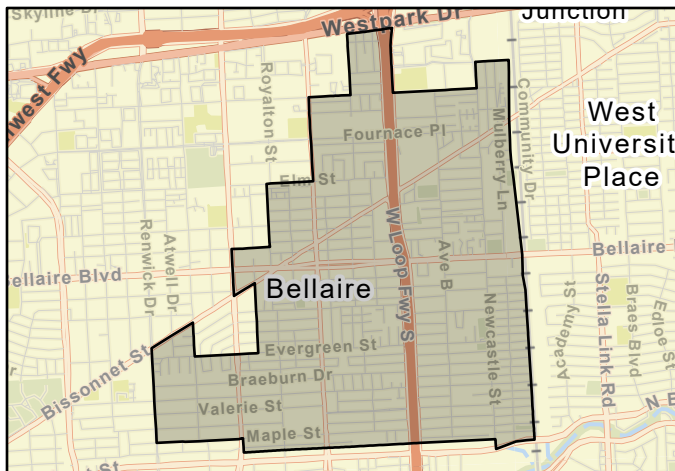
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	Public Education	Reduction in # of road closures over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

Impacts

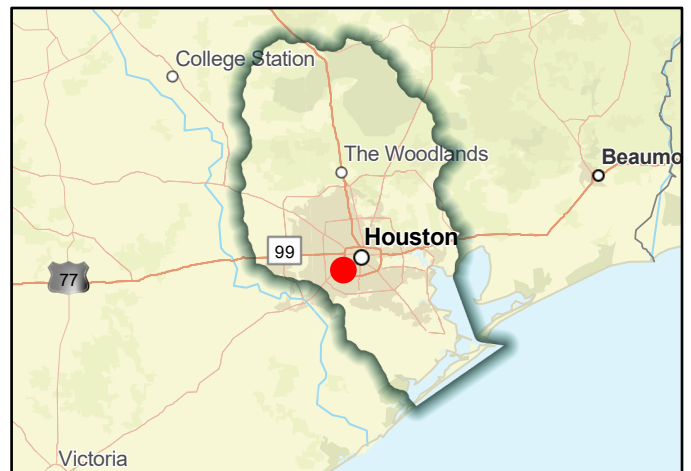
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$50,000	Amount of available funding	12500	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **City of Bellaire Roadway and Drainage Improvements**

ID# **062000001** Sponsor **Bellaire (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Other**

Strategy description **Perform engineering services in support of the local drainage asset management planning, to repair or reconstruct antiquated local drainage and associated road infrastructure. Including design of storm sewers, roadways, and overland storage/conveyance.**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999** Drainage area (mi², est.) **4**

Watershed HUC# (if known) **120401040402,120401040401,120401040402,120401040401** County **Harris**

Existing 100-Year Flood Risk

Population at risk **37,604** # of structures **5,879** Critical facilities **71**

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

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (miles) **71**

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

100-Year Flood Risk Reduction

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

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

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

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

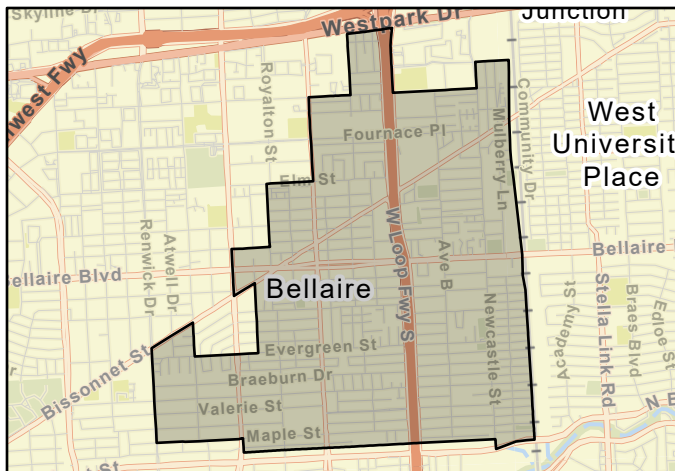
Impacts

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

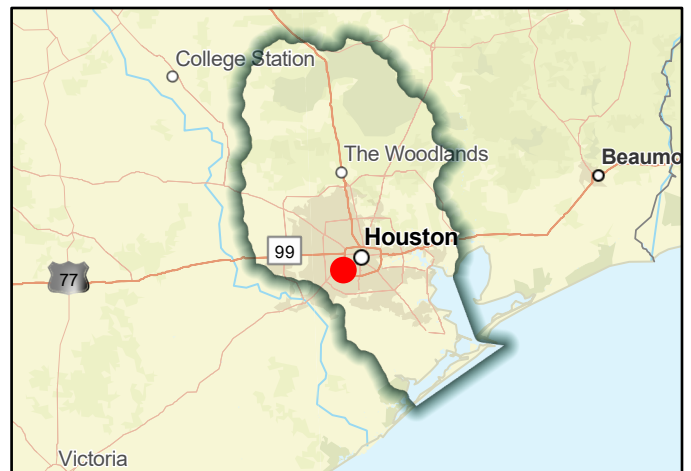
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$3,000,000** Amount of available funding **750000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **City of Bellaire Surrounding Area Drainage Improvements**

ID# **062000004** Sponsor **Bellaire (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Other**

Strategy description **Partner with surrounding municipalities/governmental agencies to identify drainage improvements (conveyance or detention) which could minimize extreme event sheet flow entering into Bellaire.**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999** Drainage area (mi², est.) **4**

Watershed HUC# (if known) **120401040402,120401040401,120401040402,120401040401** County **Harris**

Existing 100-Year Flood Risk

Population at risk **37,604** # of structures **5,879** Critical facilities **71**

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

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (miles) **71**

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

100-Year Flood Risk Reduction

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

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

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

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

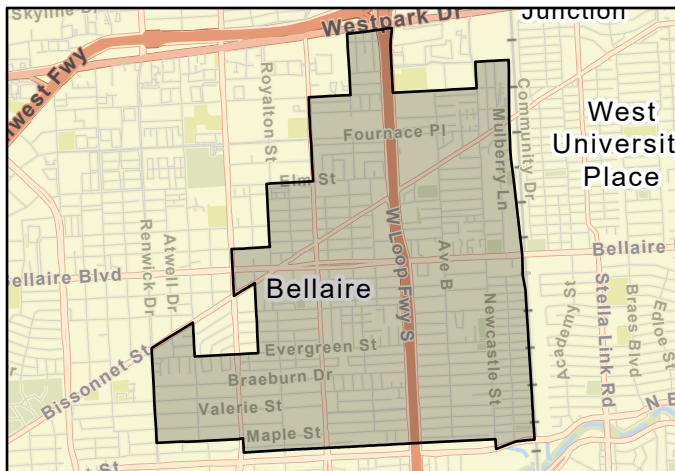
Impacts

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

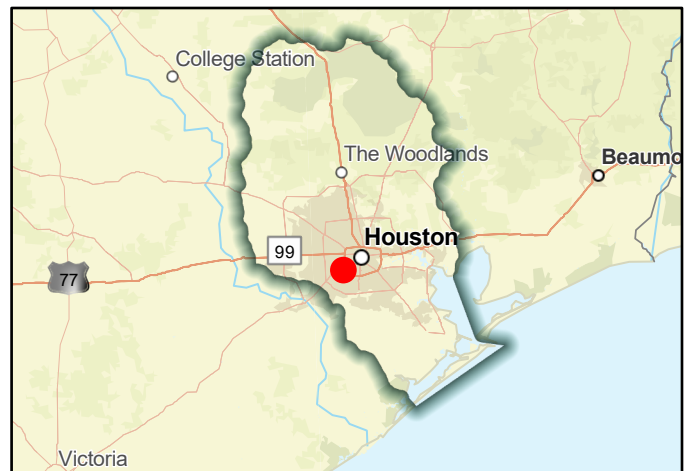
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$100,000** Amount of available funding **25000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **City of Bunker Hill Community Outreach**

ID# **062000006** Sponsor **Bunker Hill Village (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Education and Outreach**

Strategy description **Community Outreach (flooded street identification, marking and signage)**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999**

Watershed HUC# (if known) **120401040303,120401040303** Drainage area (mi², est.) **1**

County **Harris**

Existing 100-Year Flood Risk

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

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

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

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

100-Year Flood Risk Reduction

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

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

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

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

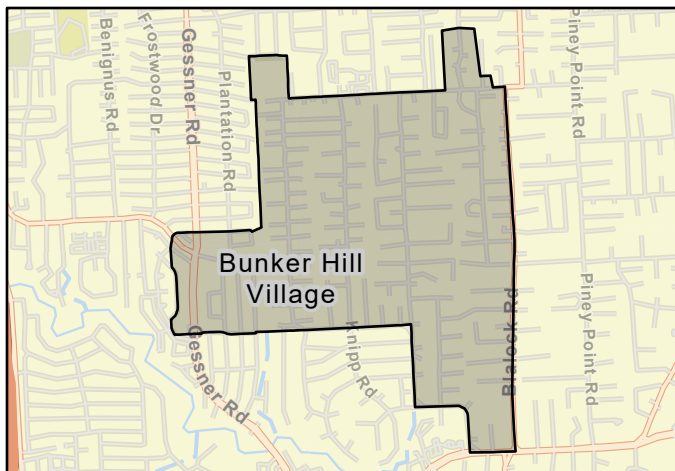
Impacts

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

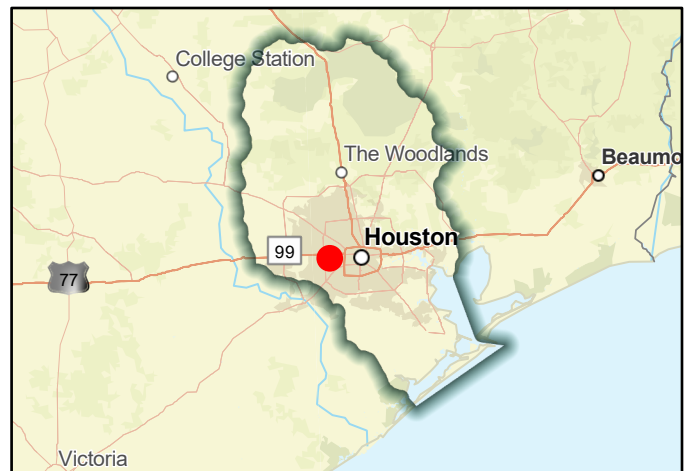
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$100,000** Amount of available funding **-** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **City of Bunker Hill Dam/Levee Maintenance and Monitoring Plan**

ID# **062000007** Sponsor **Bunker Hill Village (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Other		
Strategy description	Minimize the risk of dam/levee failure and related damage to existing and proposed structures by monitoring the maintenance and inspection schedules.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	1
Watershed HUC# (if known)	120401040303,120401040303		County Harris

Existing 100-Year Flood Risk

Population at risk	0	# of structures	0	Critical facilities	0
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	0	Roadway(s) impacted (miles)	0		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

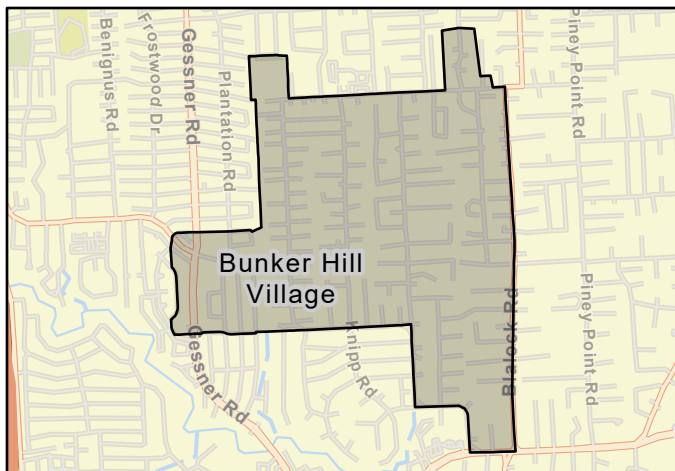
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

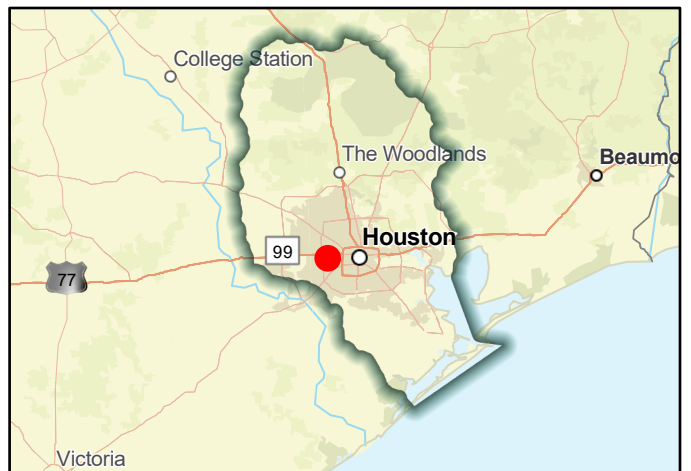
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$500,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **City of Bunker Hill Village Non-Structural Mitigation Projects**

ID# **062000058** Sponsor **Bunker Hill Village (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Other**

Strategy description **Non-structural mitigation measure - buried powerlines, tree management and generators**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999**

Watershed HUC# (if known) **120401040303** Drainage area (mi², est.) **1**

County **Harris**

Existing 100-Year Flood Risk

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

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

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

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

100-Year Flood Risk Reduction

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

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

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

Other benefits **Low Impact Development Features** Reduction in # of road closures over 10 years **-**

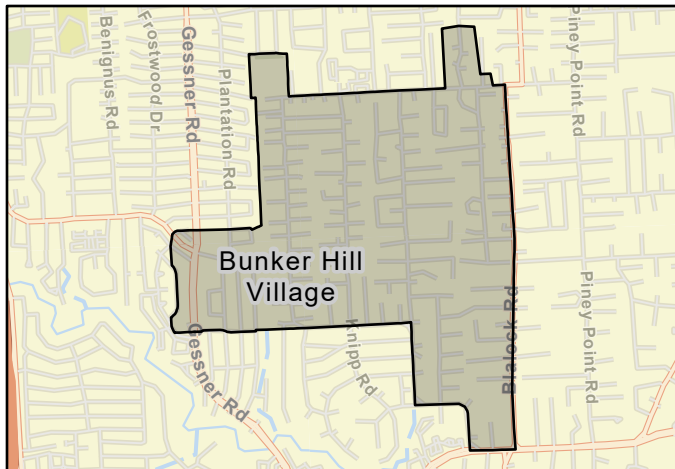
Impacts

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

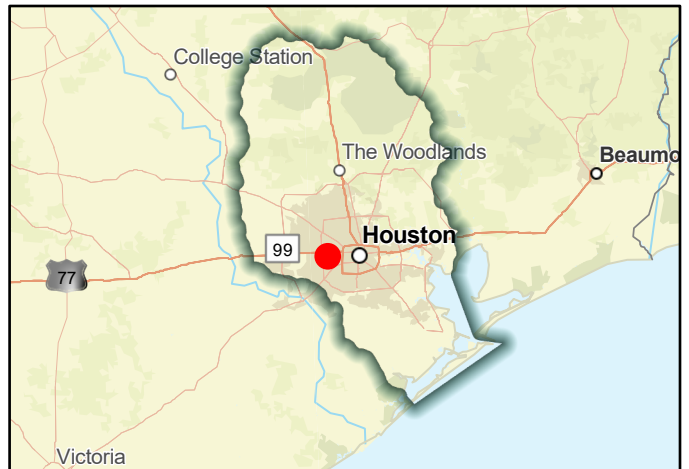
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$100,000** Amount of available funding **-** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Infrastructure Projects"/>		
Strategy description	<input type="text" value="Removal of debris, silt and vegetation obstacles in drainageways. Project will clear obstacles, mow and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding."/>		
Associated FME's	<input type="text" value="999999"/>	Associated FMP's	<input type="text" value="999999"/>
Associated FMS's	<input type="text" value="999999"/>	Drainage area (mi ² , est.)	<input type="text" value="19"/>
Watershed HUC# (if known)	<input type="text" value="120401030201,120401030108,120401030109,120401030203,1204010302"/>		County <input type="text" value="Liberty, Montgomery, San Jacinto"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="1,267"/>	# of structures	<input type="text" value="261"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="29"/>		Roadway(s) impacted (miles)	<input type="text" value="27"/>	
Number of low water crossings	<input type="text" value="1"/>		Historical road closures	<input type="text" value="1"/>	

100-Year Flood Risk Reduction

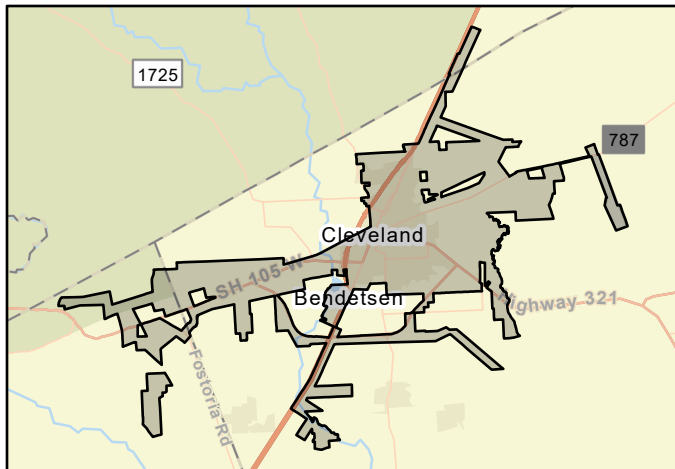
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="Environmental"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

Impacts

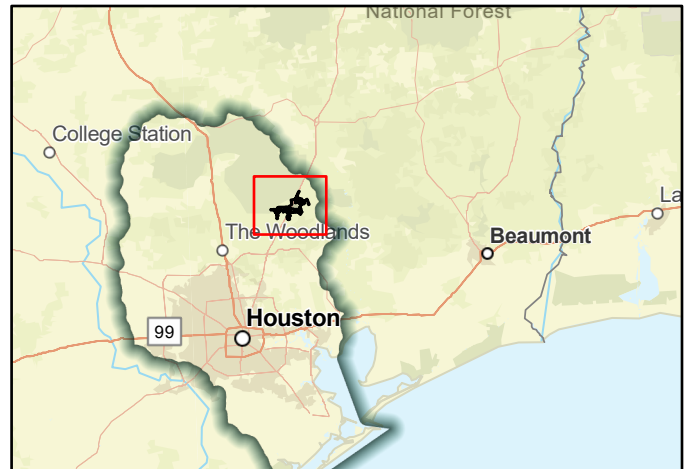
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

Estimated Cost

Strategy Cost	<input type="text" value="\$5,000,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **City of Galveston Floodplain Manager Increase**

ID# **062000056** Sponsor **Galveston (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Increase and maintain number of floodplain managers in the building division through training and certification.**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999**

Watershed HUC# (if known) **120402040300,120402040200,120402040400,120402040500** Drainage area (mi², est.) **211**

County **Galveston**

Existing 100-Year Flood Risk

Population at risk **93,583** # of structures **21,858** Critical facilities **509**

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

Farm/Ranch land impacted (acres) **261** Roadway(s) impacted (miles) **409**

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

100-Year Flood Risk Reduction

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

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

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

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

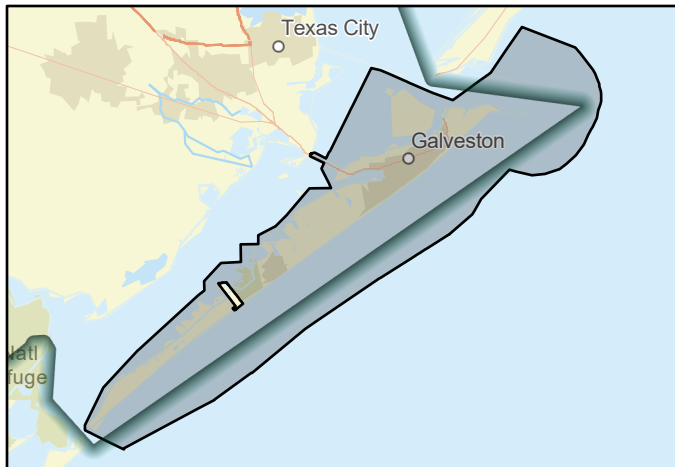
Impacts

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

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

Estimated Cost

Strategy Cost **\$10,000** Amount of available funding **-** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Yes Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Other"/>		
Strategy description	<input type="text" value="Maintain membership of the NFIP's CRS"/>		
Associated FME's	<input type="text" value="999999"/>	Associated FMP's	<input type="text" value="999999"/>
Associated FMS's	<input type="text" value="999999"/>	Drainage area (mi ² , est.)	<input type="text" value="53"/>
Watershed HUC# (if known)	<input type="text" value="120402040300,120402040200,120402040400,120402040500"/>		County <input type="text" value="Galveston"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="93,965"/>	# of structures	<input type="text" value="23,123"/>	Critical facilities	<input type="text" value="513"/>
Flood risk type:	Riverine? <input checked="" type="checkbox"/> Yes	Coastal? <input checked="" type="checkbox"/> Yes	Local? <input checked="" type="checkbox"/> Yes	Playa? <input type="checkbox"/> No	Other? <input type="checkbox"/> No
Farm/Ranch land impacted (acres)	<input type="text" value="263"/>	Roadway(s) impacted (miles)	<input type="text" value="408"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

100-Year Flood Risk Reduction

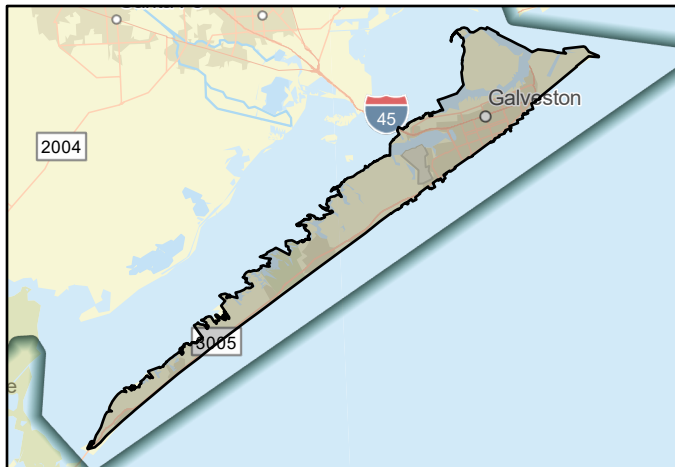
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

Impacts

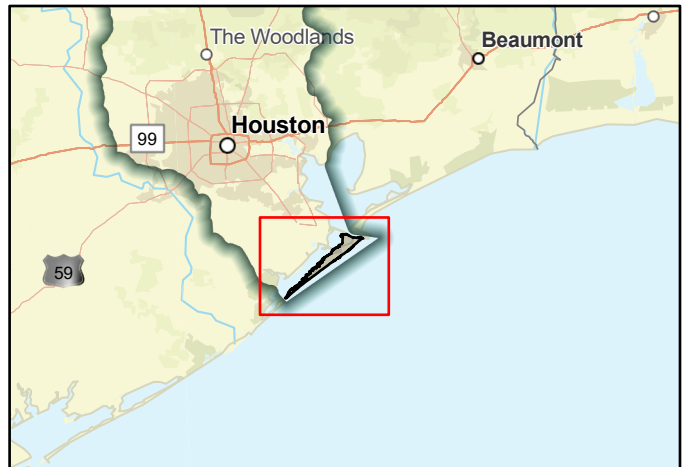
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

Estimated Cost

Strategy Cost	<input type="text" value="\$10,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **City of Galveston SRL and RL Property Mitigation**

ID# **062000057** Sponsor **Galveston (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Property Acquisition and Structural Elevation**

Strategy description **Elevation, acquisition or other mitigation of identified Repetitive Loss and Severe Repetitive Loss properties and structures damaged by flooding.**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999** Drainage area (mi², est.) **211**

Watershed HUC# (if known) **120402040300,120402040200,120402040400,120402040500** County **Galveston**

Existing 100-Year Flood Risk

Population at risk **93,583** # of structures **21,858** Critical facilities **509**

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

Farm/Ranch land impacted (acres) **261** Roadway(s) impacted (miles) **409**

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

100-Year Flood Risk Reduction

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

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

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

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

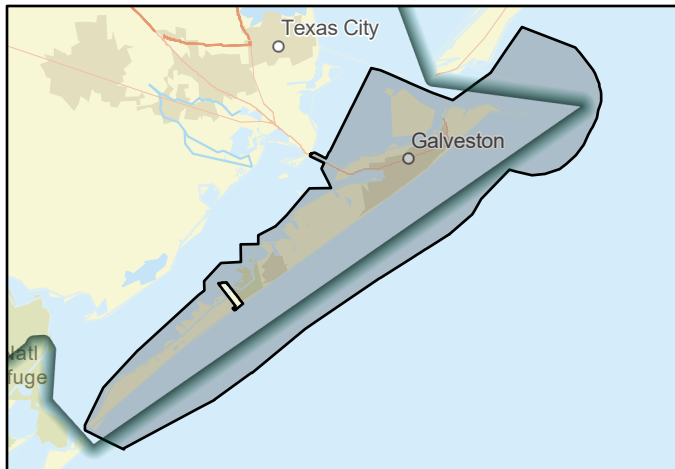
Impacts

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

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

Estimated Cost

Strategy Cost **\$80,000** Amount of available funding **-** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **City of Hilcrest Village Land Acquisition**

ID# **062000047** Sponsor **Hilcrest Village (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Property Acquisition and Structural Elevation		
Strategy description	Purchase additional land for retention pond construction to mitigate flooding in flood zones.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	0
Watershed HUC# (if known)	120402040400	County	Brazoria

Existing 100-Year Flood Risk

Population at risk	333	# of structures	128	Critical facilities	1
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	0	Roadway(s) impacted (miles)	2		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

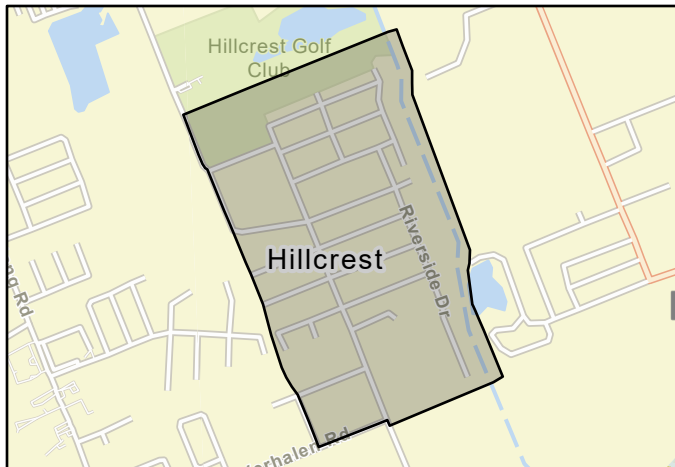
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

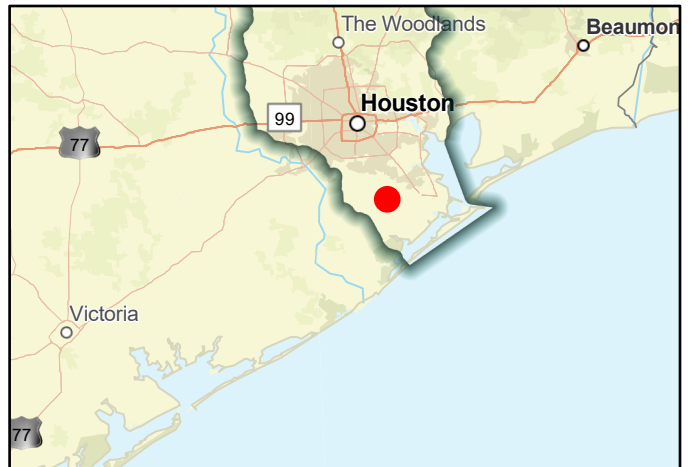
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$250,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **City of League City Property Acquisition and Relocation**

ID# **062000052** Sponsor **League City (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Property Acquisition and Structural Elevation**

Strategy description **Buying and removing property from the floodplain will reduce long-term, repetitive flood loss. The open space created by the removal of insured property will facilitate drainage and allow for the creation of recreation areas.**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999** Drainage area (mi², est.) **53**

Watershed HUC# (if known) **120402040200,120402040100** County **Galveston,Harris**

Existing 100-Year Flood Risk

Population at risk **20,978** # of structures **5,251** Critical facilities **25**

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

Farm/Ranch land impacted (acres) **1,308** Roadway(s) impacted (miles) **105**

Number of low water crossings **2** Historical road closures **2**

100-Year Flood Risk Reduction

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

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

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

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

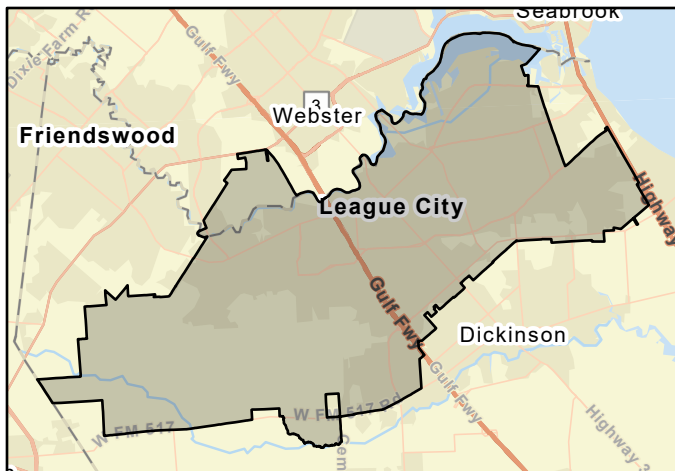
Impacts

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

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

Estimated Cost

Strategy Cost **\$300,000,000** Amount of available funding **-** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **City of Manvel Property Acquisition**

ID# **062000048** Sponsor **Manvel (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Property Acquisition and Structural Elevation**

Strategy description **Acquire Repetitive Loss (RL) and Severe Repetitive Loss (SRL) properties in the 100-year flood plain, as identified by FEMA and NFIP.**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999** Drainage area (mi², est.) **27**

Watershed HUC# (if known) **120402040200,120402040400,120402040100** County **Brazoria**

Existing 100-Year Flood Risk

Population at risk **8,190** # of structures **1,250** Critical facilities **8**

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

Farm/Ranch land impacted (acres) **179** Roadway(s) impacted (miles) **43**

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

100-Year Flood Risk Reduction

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

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

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

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

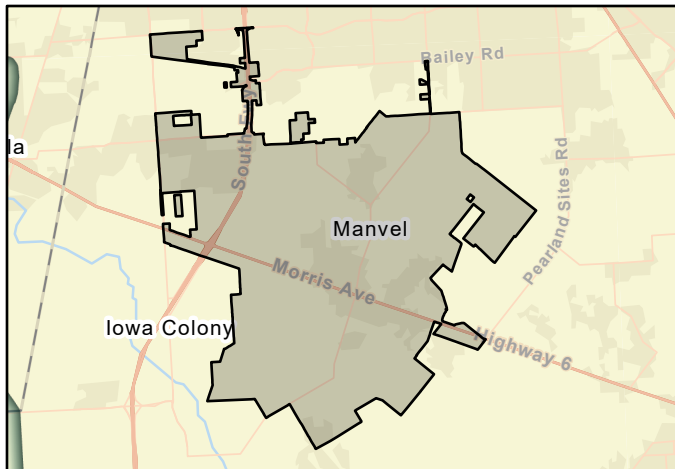
Impacts

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

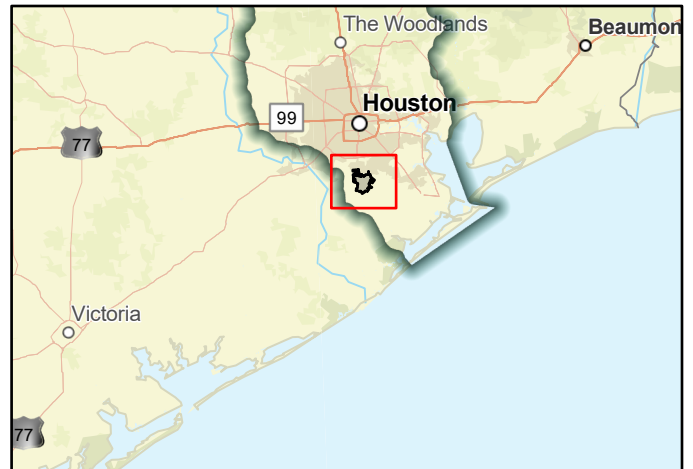
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$1,700,000** Amount of available funding **-** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **City of Pearland SRL and RL Property Acquisition**

ID# **062000062** Sponsor **Pearland (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Property Acquisition and Structural Elevation**

Strategy description **Continue working with County and State officials to identify repetitive loss and severe repetitive loss properties, and pursue mitigation projects to reduce risk.**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999** Drainage area (mi², est.) **49**

Watershed HUC# (if known) **120401040501,120402040200,120402040400,120402040100** County **Brazoria,Fort Bend,Harris**

Existing 100-Year Flood Risk

Population at risk **20,157** # of structures **4,791** Critical facilities **22**

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

Farm/Ranch land impacted (acres) **137** Roadway(s) impacted (miles) **76**

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

100-Year Flood Risk Reduction

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

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

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

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

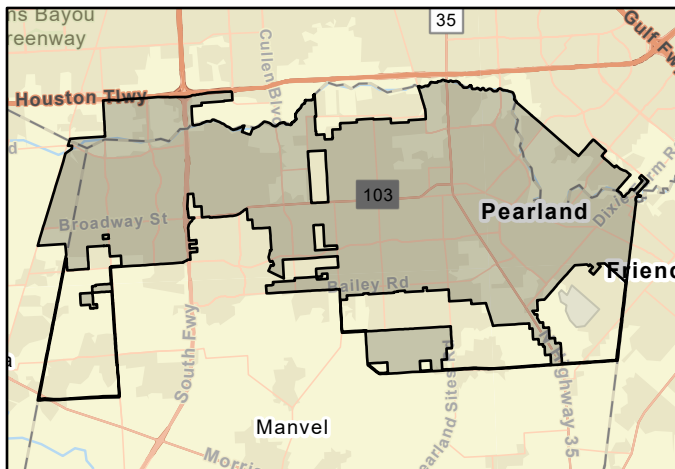
Impacts

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

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

Estimated Cost

Strategy Cost **\$100,000** Amount of available funding **0** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Infrastructure Projects"/>		
Strategy description	<input type="text" value="Keep areas of concern free of unnecessary debris as needed. Implement and maintain tree, vegetation trimming/removal near, infrastructure, drainage systems and roadside areas."/>		
Associated FME's	<input type="text" value="999999"/>	Associated FMP's	<input type="text" value="999999"/>
Associated FMS's	<input type="text" value="999999"/>	Drainage area (mi ² , est.)	<input type="text" value="17"/>
Watershed HUC# (if known)	<input type="text" value="120402040300,120402040200"/>		County <input type="text" value="Galveston"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="798"/>	# of structures	<input type="text" value="400"/>	Critical facilities	<input type="text" value="1"/>
Flood risk type:	Riverine? <input type="text" value="No"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="12"/>		Roadway(s) impacted (miles)	<input type="text" value="4"/>	
Number of low water crossings	<input type="text" value="9"/>		Historical road closures	<input type="text" value="9"/>	

100-Year Flood Risk Reduction

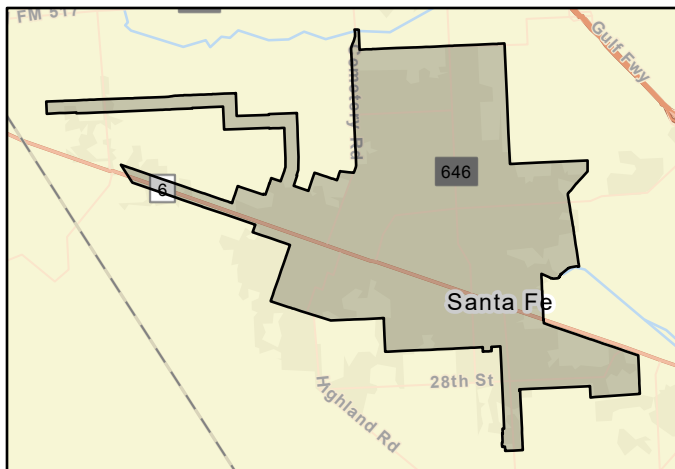
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="Environmental"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

Estimated Cost

Strategy Cost	<input type="text" value="\$5,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **City of Santa Fe - Harden Existing Critical Facilities and Infrastructure**

ID# **062000053** Sponsor **Santa Fe (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Infrastructure Projects**

Strategy description **Harden existing critical facilities and infrastructure. Specifically City Hall, Maintenance Building, Library, and Community Center.**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999** Drainage area (mi², est.) **17**

Watershed HUC# (if known) **120402040300,120402040200** County **Galveston**

Existing 100-Year Flood Risk

Population at risk **798** # of structures **400** Critical facilities **1**

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

Farm/Ranch land impacted (acres) **12** Roadway(s) impacted (miles) **4**

Number of low water crossings **9** Historical road closures **9**

100-Year Flood Risk Reduction

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

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

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

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

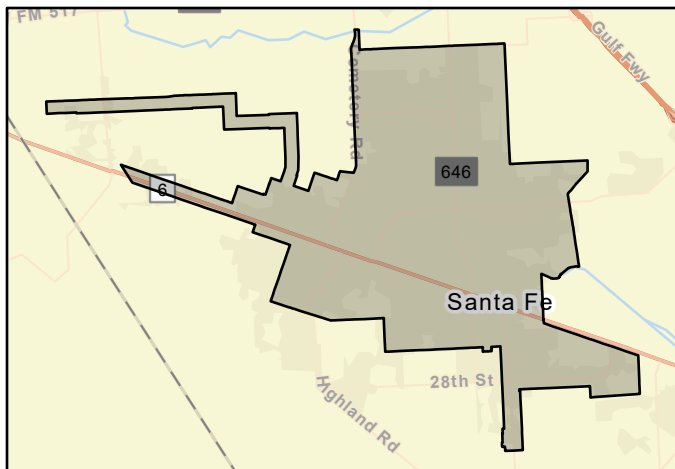
Impacts

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

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

Estimated Cost

Strategy Cost **\$2,000,000** Amount of available funding **-** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **City of Santa Fe Stormproof/retrofit New Critical Infrastructure**

ID# **062000039** Sponsor **Santa Fe (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **New construction and existing critical facilities and infrastructure should include advanced mitigation techniques.**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999** Drainage area (mi², est.) **17**

Watershed HUC# (if known) **120402040300,120402040200** County **Galveston**

Existing 100-Year Flood Risk

Population at risk **798** # of structures **400** Critical facilities **1**

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

Farm/Ranch land impacted (acres) **12** Roadway(s) impacted (miles) **4**

Number of low water crossings **9** Historical road closures **9**

100-Year Flood Risk Reduction

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

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

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

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

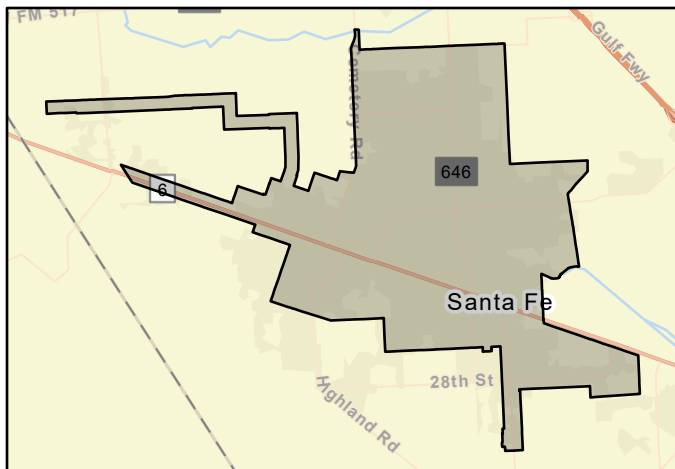
Impacts

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

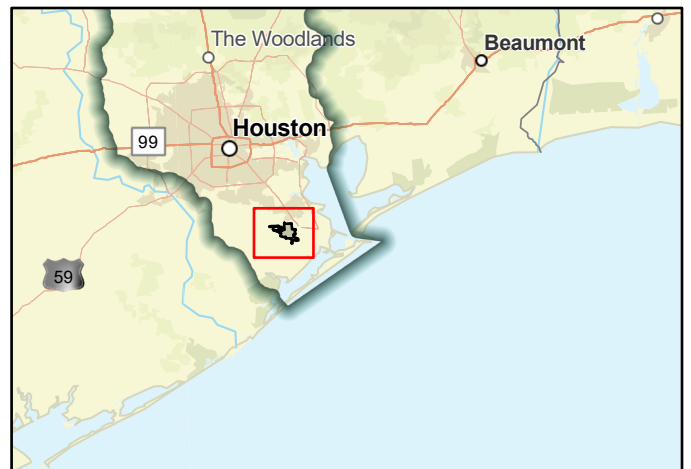
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$5,000,000** Amount of available funding **-** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **City of Todd Mission Public Outreach & Education**

ID# **062000021** Sponsor **Todd Mission (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Education and Outreach**

Strategy description **Provide educational information related to preparedness, mitigation, response, and recovery to the public.**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999** Drainage area (mi², est.) **2**

Watershed HUC# (if known) **120401020203,120401020206** County **Grimes**

Existing 100-Year Flood Risk

Population at risk **25** # of structures **20** Critical facilities **0**

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

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

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

100-Year Flood Risk Reduction

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

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

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

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

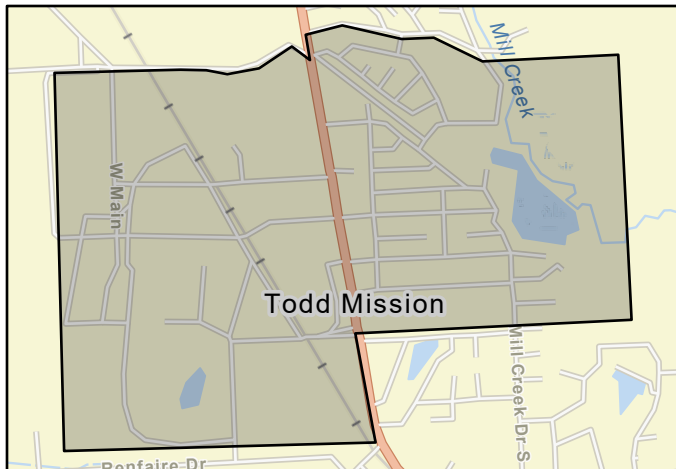
Impacts

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

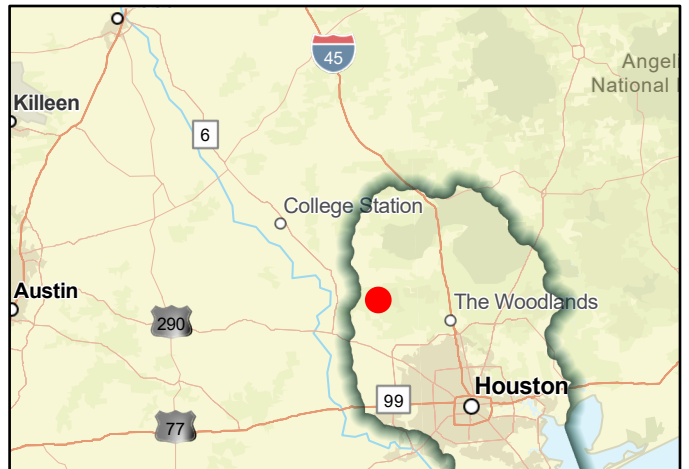
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$20,000** Amount of available funding **-** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Develop Applicable Plans and Studies to Address Hazard Mitigation in Galveston County**

ID# **062000015** Sponsor **Galveston (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Regulatory and Guidance		
Strategy description	Review planning needs annually to include, but not be limited to, CEMP, debris management, stormwater management, master plan, drainage, drought, GIS mapping, complete study to locate areas prone to expansive soils and land subsidence, etc.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	665
Watershed HUC# (if known)	120402040300,120402040200,120402040400,120402040100		County Galveston

Existing 100-Year Flood Risk

Population at risk	171,345	# of structures	48,566	Critical facilities	680
Flood risk type:	Riverine? Yes	Coastal? Yes	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	3,412	Roadway(s) impacted (miles)	910		
Number of low water crossings	30	Historical road closures	30		

100-Year Flood Risk Reduction

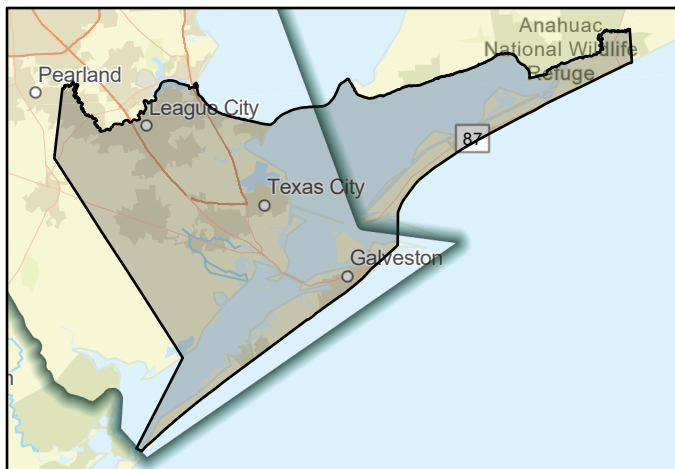
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

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

Estimated Cost

Strategy Cost	\$100,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Develop Program to Optimize Operation of the Flood Gates at Second Cut Outlet in City of Kemah**

ID# **062000017** Sponsor **Kemah (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Regulatory and Guidance		
Strategy description	Develop program to integrate with the Harris County Flood Control District for the purpose of optimizing the operation of the flood gates at second cut outlet.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	2
Watershed HUC# (if known)	120402040200,120402040100	County	Galveston

Existing 100-Year Flood Risk

Population at risk	3,492	# of structures	560	Critical facilities	7
Flood risk type:	Riverine? Yes	Coastal? Yes	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	1	Roadway(s) impacted (miles)	13		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

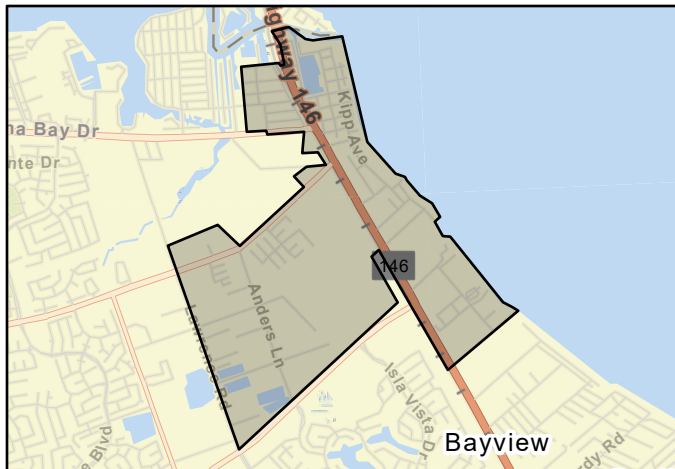
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

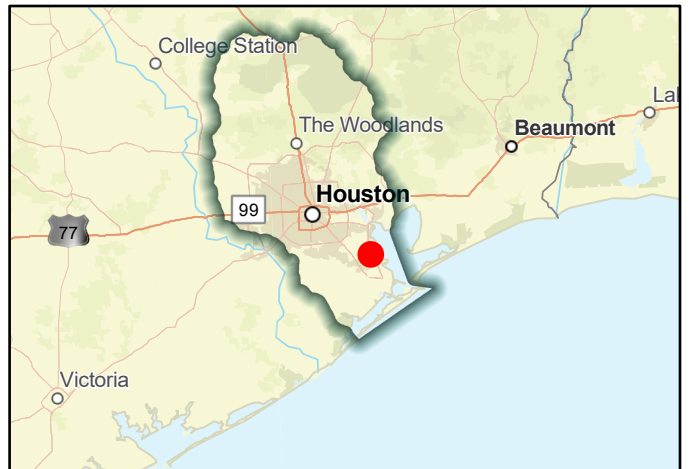
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$100,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Expand Development of Emergency Notification System in Liberty County**

ID# **062000023** Sponsor **Liberty (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Education and Outreach		
Strategy description	Expand development of emergency notification system/work to establish public awareness of emergency notification process.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	1,170
Watershed HUC# (if known)	120401030201,120401030108,120401030109,120401030205,1204010304		County Liberty

Existing 100-Year Flood Risk

Population at risk	4,854	# of structures	3,617	Critical facilities	8
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	1,379	Roadway(s) impacted (miles)	144		
Number of low water crossings	7	Historical road closures	7		

100-Year Flood Risk Reduction

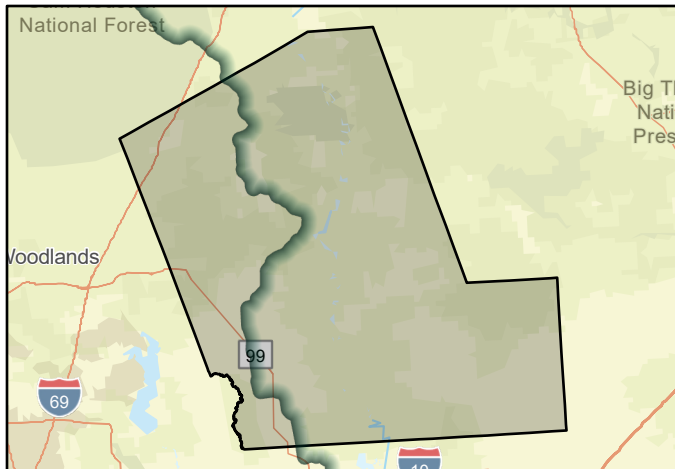
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	Public Education	Reduction in # of road closures over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

Impacts

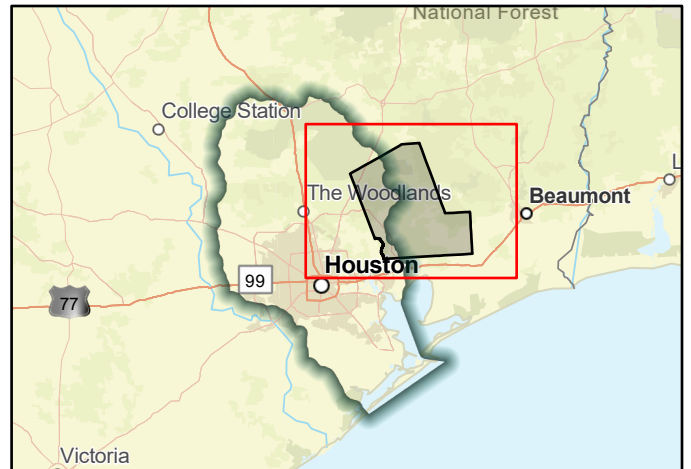
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$10,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Galveston County Stormproof/Retrofit Infrastructure**

ID# **062000025** Sponsor **Galveston (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Infrastructure Projects**

Strategy description **Stormproof/retrofit critical facilities and infrastructure for county-owned properties and unincorporated areas.**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999** Drainage area (mi², est.) **665**

Watershed HUC# (if known) **120402040300,120402040200,120402040400,120402040100** County **Galveston**

Existing 100-Year Flood Risk

Population at risk **171,340** # of structures **48,564** Critical facilities **680**

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

Farm/Ranch land impacted (acres) **3,416** Roadway(s) impacted (miles) **909**

Number of low water crossings **30** Historical road closures **30**

100-Year Flood Risk Reduction

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

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

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

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

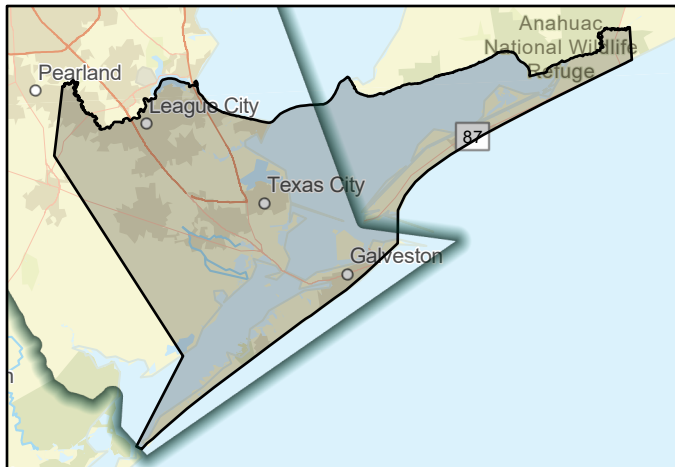
Impacts

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

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

Estimated Cost

Strategy Cost **\$5,000,000** Amount of available funding **-** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Galveston County-wide Education and Outreach**

ID# **062000018** Sponsor **Galveston (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Education and Outreach		
Strategy description	Provide educational information related to preparedness, mitigation, response, and recovery to the public.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	665
Watershed HUC# (if known)	120402040300,120402040200,120402040400,120402040100		County Galveston,Harris

Existing 100-Year Flood Risk

Population at risk	171,338	# of structures	48,564	Critical facilities	680
Flood risk type:	Riverine? Yes	Coastal? Yes	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	3,415	Roadway(s) impacted (miles)	910		
Number of low water crossings	30	Historical road closures	30		

100-Year Flood Risk Reduction

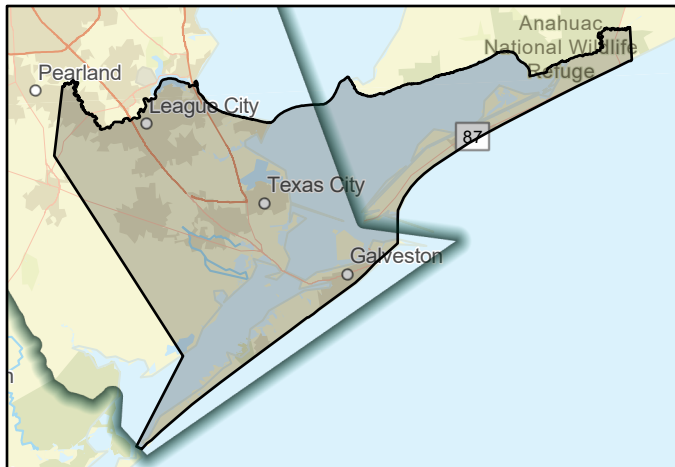
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	Public Education	Reduction in # of road closures over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

Impacts

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

Estimated Cost

Strategy Cost	\$50,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Grimes County Property Acquisition**

ID# **062000036** Sponsor **Grimes (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Property Acquisition and Structural Elevation		
Strategy description	Per NFIP participation, the acquisition of structures located in the 100-year flood plain and in dam inundation areas.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	799
Watershed HUC# (if known)	120401010101,120401010301,120401010302,120401010303,1204010101		County Grimes

Existing 100-Year Flood Risk

Population at risk	120	# of structures	145	Critical facilities	0
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	151	Roadway(s) impacted (miles)	11		
Number of low water crossings	1	Historical road closures	1		

100-Year Flood Risk Reduction

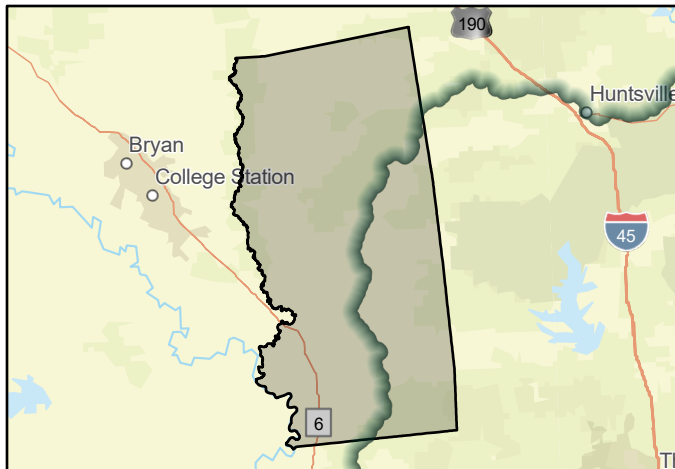
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

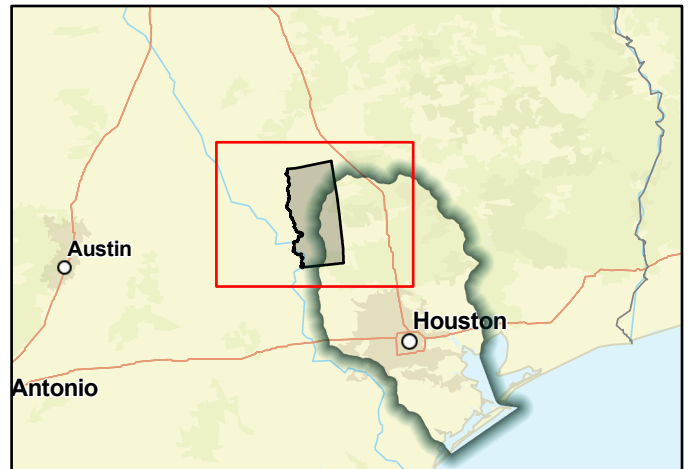
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$95,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Hardening of Critical Facilities in City of Mission Todd**

ID# **062000059** Sponsor **Todd Mission (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Infrastructure Projects**

Strategy description **Protecting critical facilities such as hospitals, fire stations, police stations and water treatment plants can help keep them operational during severe storms.**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999** Drainage area (mi², est.) **2**

Watershed HUC# (if known) **120401020203,120401020206** County **Grimes**

Existing 100-Year Flood Risk

Population at risk **19** # of structures **17** Critical facilities **0**

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

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

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

100-Year Flood Risk Reduction

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

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

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

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

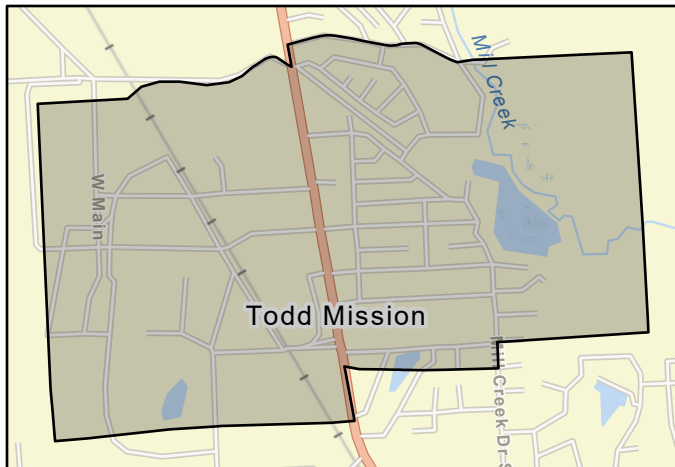
Impacts

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

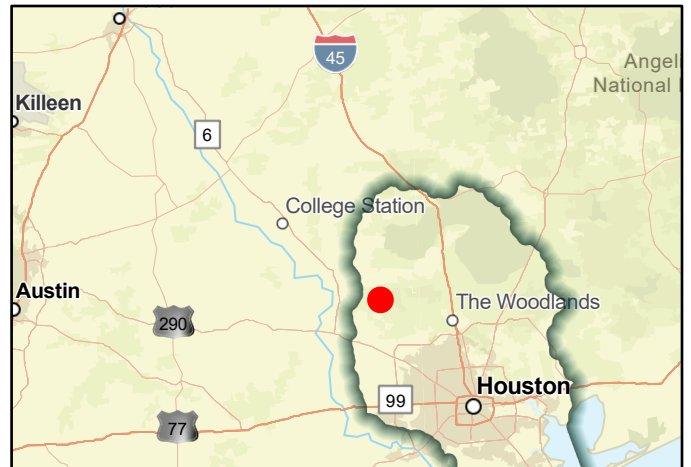
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$25,000** Amount of available funding **-** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Harris County Hazard Mitigation Action AW-3**

ID# **062000008** Sponsor **Harris (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Education and Outreach		
Strategy description	Utilizing the existing public outreach capability to develop, deploy, and disseminate targeted outreach projects promoting risk communication, mitigation and resilience to all the hazards of concern.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	1,771
Watershed HUC# (if known)	-	County	Harris

Existing 100-Year Flood Risk

Population at risk	976,798	# of structures	143,642	Critical facilities	2,332
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	5,993	Roadway(s) impacted (miles)	2,408		
Number of low water crossings	89	Historical road closures	89		

100-Year Flood Risk Reduction

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

Impacts

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

Estimated Cost

Strategy Cost	\$100,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Harris County Hazard Mitigation Action AW-4**

ID# **062000009** Sponsor **Harris (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Flood Measurement and Warning		
Strategy description	Strive to capture time-sensitive data such as high-water marks, extent and location of hazard, and loss information to support future updates to risk assessments as well as other plans and programs that utilize hazard extent data.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	1,771
Watershed HUC# (if known)	-	County	Harris

Existing 100-Year Flood Risk

Population at risk	976,798	# of structures	143,642	Critical facilities	2,332
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	5,993	Roadway(s) impacted (miles)	2,408		
Number of low water crossings	89	Historical road closures	89		

100-Year Flood Risk Reduction

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

Impacts

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

Estimated Cost

Strategy Cost	\$300,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Harris County Hazard Mitigation Action AW-5**

ID# **062000010** Sponsor **Harris (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **Continue to develop, improve, and implement an enhanced mass public warning and alert system within the Harris County Joint Information Center to provide warning capability throughout Harris County to support the emergency management of all hazards.**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999** Drainage area (mi², est.) **1,771**

Watershed HUC# (if known) **-** County **Harris**

Existing 100-Year Flood Risk

Population at risk **976,798** # of structures **143,642** Critical facilities **2,332**

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

Farm/Ranch land impacted (acres) **5,993** Roadway(s) impacted (miles) **2,408**

Number of low water crossings **89** Historical road closures **89**

100-Year Flood Risk Reduction

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

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

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

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

Impacts

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

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

Estimated Cost

Strategy Cost **\$100,000** Amount of available funding **-** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Harris County Hazard Mitigation Action AW-6**

ID# **062000011** Sponsor **Harris (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Flood Measurement and Warning		
Strategy description	Utilize viable and relevant information, data and tools (Hazus models) developed as part of the update to the risk assessment of this plan update to support training and exercise of the County's preparedness, response and recovery programs.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	1,771
Watershed HUC# (if known)	-	County	Harris

Existing 100-Year Flood Risk

Population at risk	976,798	# of structures	143,642	Critical facilities	2,332
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	5,993	Roadway(s) impacted (miles)	2,408		
Number of low water crossings	89	Historical road closures	89		

100-Year Flood Risk Reduction

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

Impacts

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

Estimated Cost

Strategy Cost	\$500,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Harris County Mitigation Buyout and Relocation Program**

ID# **062000060** Sponsor **Harris (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Property Acquisition and Structural Elevation**

Strategy description **This program is designed to assist owners whose properties were damaged by a natural disaster and or in an area that is designated hopelessly deep in the floodplain and repetitively flooded, to relocate outside the threat of flooding.**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999** Drainage area (mi², est.) **1,771**

Watershed HUC# (if known) **-** County **Harris**

Existing 100-Year Flood Risk

Population at risk **976,798** # of structures **143,642** Critical facilities **2,332**

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

Farm/Ranch land impacted (acres) **5,993** Roadway(s) impacted (miles) **2,408**

Number of low water crossings **89** Historical road closures **89**

100-Year Flood Risk Reduction

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

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

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

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

Impacts

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

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

Estimated Cost

Strategy Cost **\$75,000,000** Amount of available funding **-** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Harris County Wide Voluntary Buyout Program**

ID# **062000063** Sponsor **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Property Acquisition and Structural Elevation		
Strategy description	Targeted home buyouts to reduce flood damages in areas several feet deep in the floodplain where structural projects to reduce flooding are not cost-effective and/or beneficial.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	1,771
Watershed HUC# (if known)	-	County	Harris

Existing 100-Year Flood Risk

Population at risk	976,798	# of structures	143,642	Critical facilities	2,332
Flood risk type:	Riverine? Yes	Coastal? Yes	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	5,993	Roadway(s) impacted (miles)	2,408		
Number of low water crossings	89	Historical road closures	89		

100-Year Flood Risk Reduction

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

Impacts

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

Estimated Cost

Strategy Cost	\$500,000,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Implement Stormwater Management Plan in City of Bayou Vista**

ID# **062000026** Sponsor **Bayou Vista (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Implement stormwater management plan to improve drainage during flood and other weather events.**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999** Drainage area (mi², est.) **0**

Watershed HUC# (if known) **120402040200** County **Galveston**

Existing 100-Year Flood Risk

Population at risk **1,500** # of structures **1,121** Critical facilities **3**

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

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (miles) **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 **-**

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

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

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

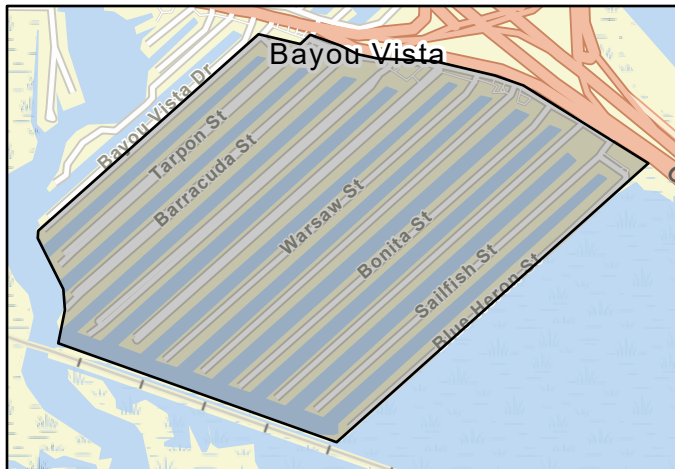
Impacts

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

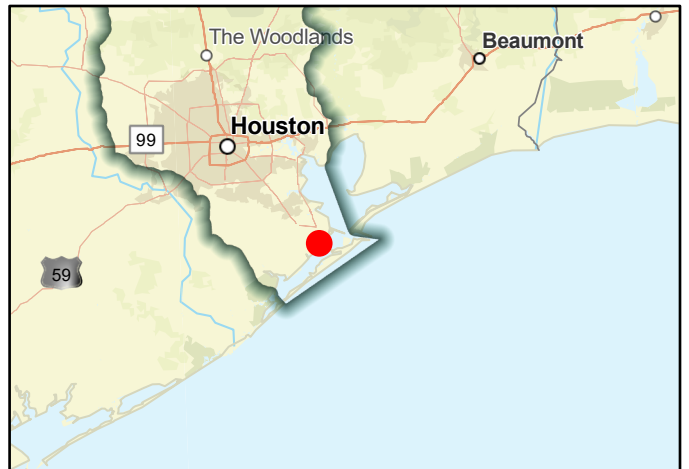
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$25,000** Amount of available funding **-** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Yes Reason for Recommendation

Strategy Details

Strategy type

Strategy description

Associated FME's Associated FMP's

Associated FMS's

Watershed HUC# (if known) Drainage area (mi², est.)

County

Existing 100-Year Flood Risk

Population at risk # of structures Critical facilities

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

Farm/Ranch land impacted (acres) Roadway(s) impacted (miles)

Number of low water crossings 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

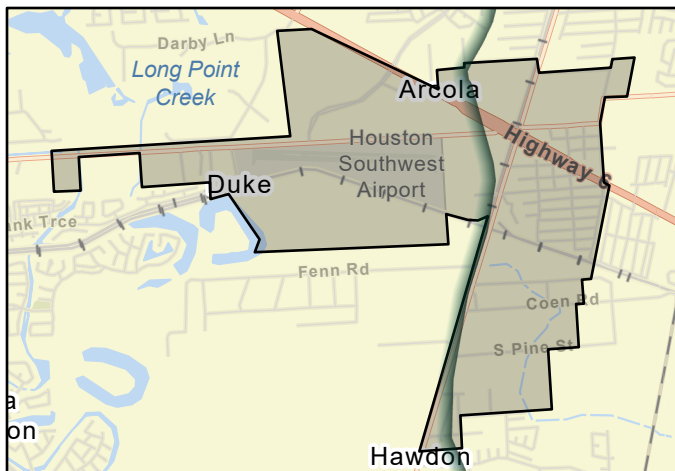
Impacts

Negative impacts? Negative impacts description

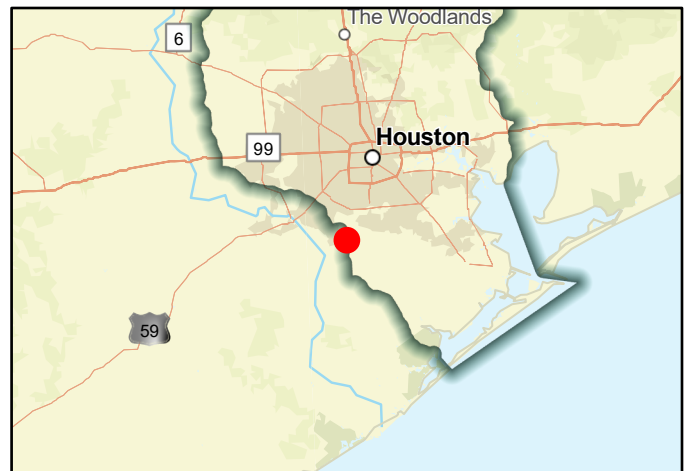
Water supply contributions? Water supply contribution description

Estimated Cost

Strategy Cost Amount of available funding % Nature-Based



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Install Outdoor Early warning System in Walker County**

ID# **062000043** Sponsor **Walker (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Education and Outreach		
Strategy description	Install Outdoor Early warning System to provide citizens early warning of an impending disaster, or an event that would affect the life and/or property of the citizens.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	798
Watershed HUC# (if known)	120401010104,120401010101,120401010102,120401010103,1204010102		County Walker

Existing 100-Year Flood Risk

Population at risk	657	# of structures	505	Critical facilities	1
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	180	Roadway(s) impacted (miles)	25		
Number of low water crossings	2	Historical road closures	2		

100-Year Flood Risk Reduction

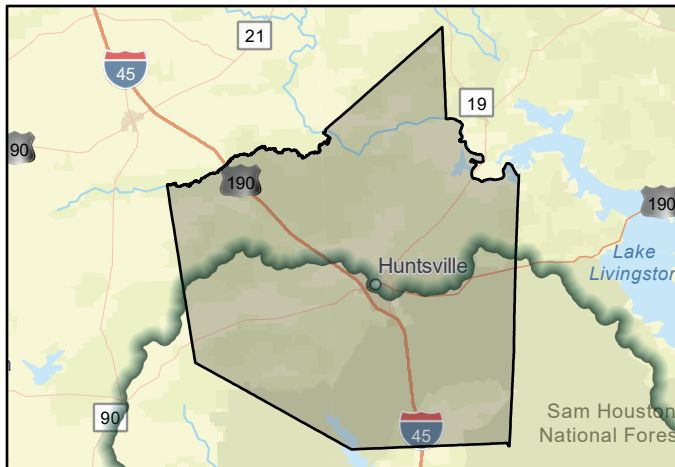
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	Public Education	Reduction in # of road closures over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

Impacts

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

Estimated Cost

Strategy Cost	\$850,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Liberty County Floodplain Acquisition**

ID# **062000055** Sponsor **Liberty (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Property Acquisition and Structural Elevation		
Strategy description	Acquisition of property in the floodplain.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	665
Watershed HUC# (if known)	120402040300,120402040200,120402040400,120402040100		County Liberty

Existing 100-Year Flood Risk

Population at risk	171,395	# of structures	48,570	Critical facilities	681
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	3,412	Roadway(s) impacted (miles)	910		
Number of low water crossings	30	Historical road closures	30		

100-Year Flood Risk Reduction

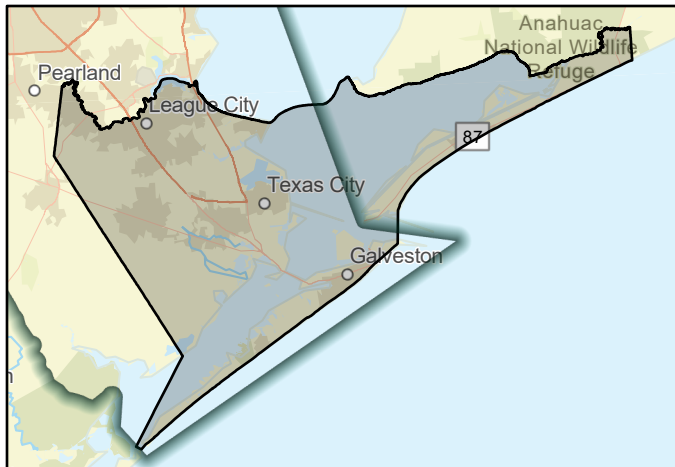
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

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

Estimated Cost

Strategy Cost	\$750,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Liberty County Regional Coordination**

ID# **062000065** Sponsor **Liberty (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Other**

Strategy description **Work with adjoining counties regarding flooding and drainage issues.**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999**

Watershed HUC# (if known) **120401030201,120401030108,120401030109,120401030205,1204010304** Drainage area (mi², est.) **1,170**

County **Liberty**

Existing 100-Year Flood Risk

Population at risk **4,855** # of structures **3,619** Critical facilities **8**

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

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

Number of low water crossings **7** Historical road closures **7**

100-Year Flood Risk Reduction

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

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

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

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

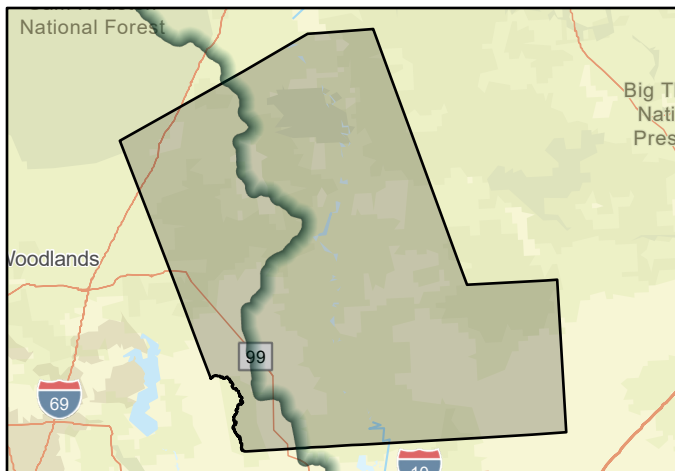
Impacts

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

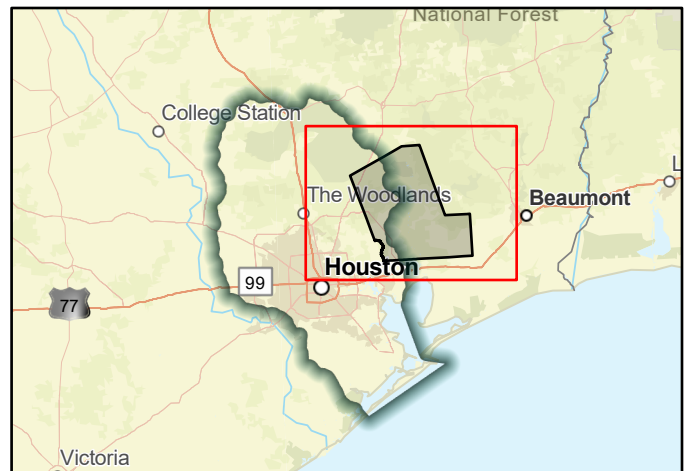
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$500,000** Amount of available funding **-** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Maintain Drainage Systems and Culverts in City of Friendswood**

ID# **062000051** Sponsor **Friendswood (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Infrastructure Projects**

Strategy description **Clean & recut drainage ditches, complete work orders related to conveyance systems. Pursue sub-regional drainage improvements.**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999** Drainage area (mi², est.) **21**

Watershed HUC# (if known) **120402040200,120402040100** County **Galveston,Harris**

Existing 100-Year Flood Risk

Population at risk **5,467** # of structures **1,680** Critical facilities **2**

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

Farm/Ranch land impacted (acres) **18** Roadway(s) impacted (miles) **38**

Number of low water crossings **5** Historical road closures **5**

100-Year Flood Risk Reduction

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

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

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

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

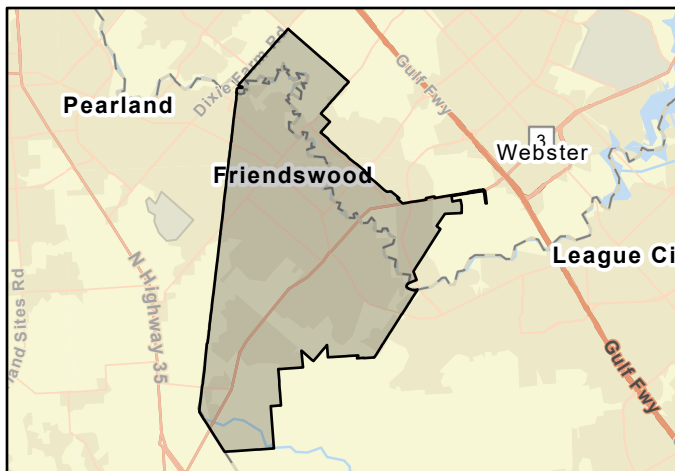
Impacts

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

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

Estimated Cost

Strategy Cost **\$1,400,000** Amount of available funding **-** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Mitigate Repetitive Flood Claim & Severe Repetitive Loss Properties in Galveston County**

ID# **062000064** Sponsor **Galveston (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Property Acquisition and Structural Elevation		
Strategy description	Grant funding through HMGP may be used to mitigate RFC and SRL properties. Mitigation option will be implemented with property owners as funding and opportunities arise.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	14
Watershed HUC# (if known)	120402040200	County	Galveston

Existing 100-Year Flood Risk

Population at risk	1,612	# of structures	829	Critical facilities	8
Flood risk type:	Riverine? Yes	Coastal? Yes	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	38	Roadway(s) impacted (miles)	31		
Number of low water crossings	1	Historical road closures	1		

100-Year Flood Risk Reduction

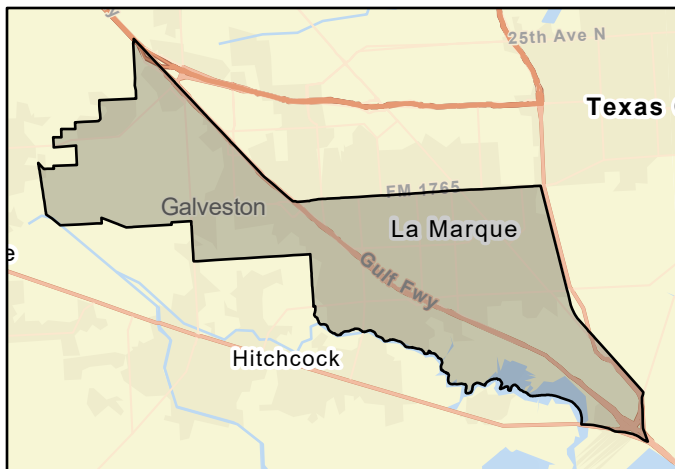
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

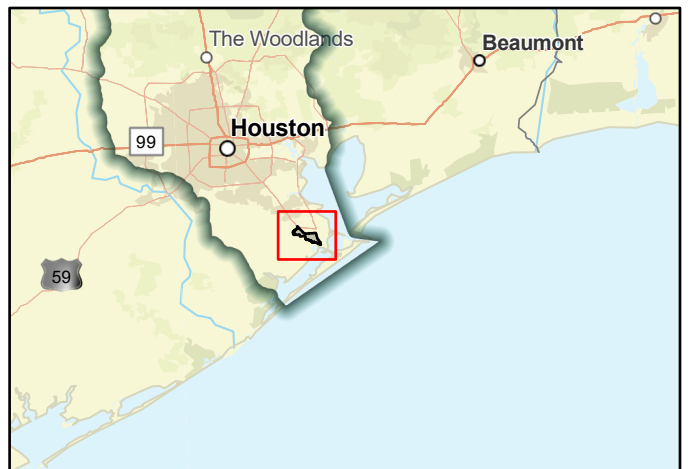
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$30,000,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Natural Infrastructure Project Barker Reservoir Headwater Acquisition and Restoration**

ID# **062000029** Sponsor **Coastal Prairie Conservancy**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Property Acquisition and Structural Elevation		
Strategy description	Purchase and restore agricultural & natural lands at the headwater of Barker Reservoir. Manage land for agricultural use, restore native landscape like grasslands and wetlands, and enhance management practices. Provides natural flood mitigation benefits.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	2
Watershed HUC# (if known)	120401020103,120401040101		County Waller

Existing 100-Year Flood Risk

Population at risk	0	# of structures	0	Critical facilities	0
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	0	Roadway(s) impacted (miles)	0		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

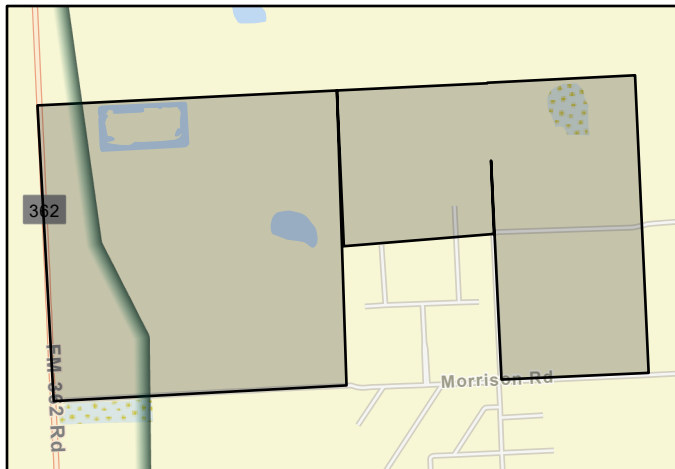
Population removed from 100-yr	-	# of structures removed from 100-yr	-	
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-	
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-	
Other benefits	Environmental, Low Impact Development Features		Reduction in # of road closures over 10 years	-

Impacts

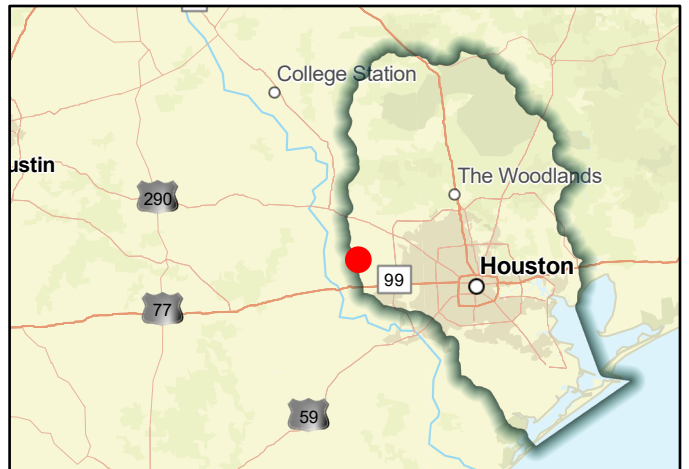
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$33,000,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Natural Infrastructure Project Mound Creek Conservation**

ID# **062000030** Sponsor **Coastal Prairie Conservancy**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Property Acquisition and Structural Elevation		
Strategy description	Purchase conservation easement from landowner to permanently conserve as agricultural/natural areas. KPC to ensure land remains undeveloped agricultural land and maintain conservation. Would provide multiple benefits such as flood mitigation, and more.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	3
Watershed HUC# (if known)	120401020103,120401020101		County Harris,Waller

Existing 100-Year Flood Risk

Population at risk	0	# of structures	0	Critical facilities	0
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	41	Roadway(s) impacted (miles)	0		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

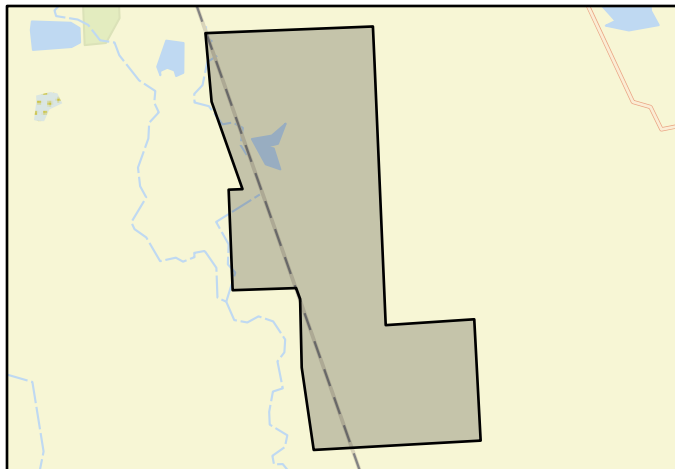
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	Environmental	Reduction in # of road closures over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

Impacts

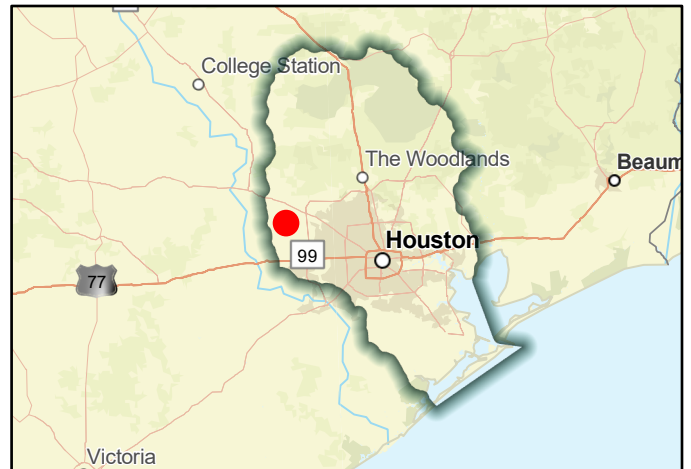
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$32,000,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Yes Reason for Recommendation

Strategy Details

Strategy type

Strategy description

Associated FME's Associated FMP's

Associated FMS's

Watershed HUC# (if known) Drainage area (mi², est.)

County

Existing 100-Year Flood Risk

Population at risk # of structures Critical facilities

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

Farm/Ranch land impacted (acres) Roadway(s) impacted (miles)

Number of low water crossings 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

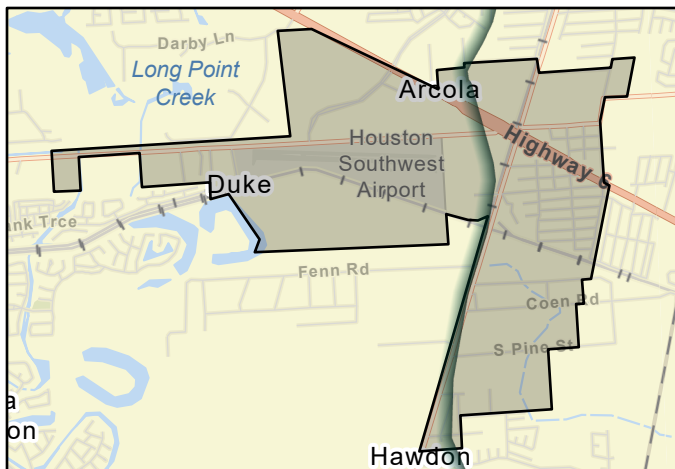
Impacts

Negative impacts? Negative impacts description

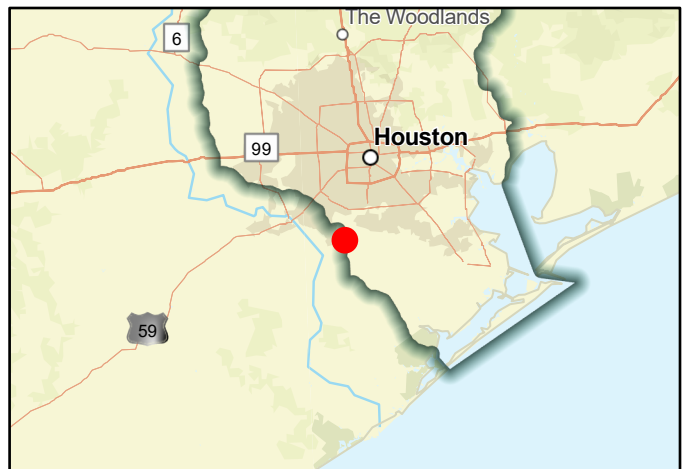
Water supply contributions? Water supply contribution description

Estimated Cost

Strategy Cost Amount of available funding % Nature-Based



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Property Acquisition Down-Stream of High Hazard Dams in Grimes County**

ID# **062000037** Sponsor **Grimes (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Property Acquisition and Structural Elevation		
Strategy description	Acquire homes located down-stream of high hazard dams.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	799
Watershed HUC# (if known)	120401010101,120401010301,120401010302,120401010303,1204010101		County Grimes

Existing 100-Year Flood Risk

Population at risk	120	# of structures	145	Critical facilities	0
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	151	Roadway(s) impacted (miles)	11		
Number of low water crossings	1	Historical road closures	1		

100-Year Flood Risk Reduction

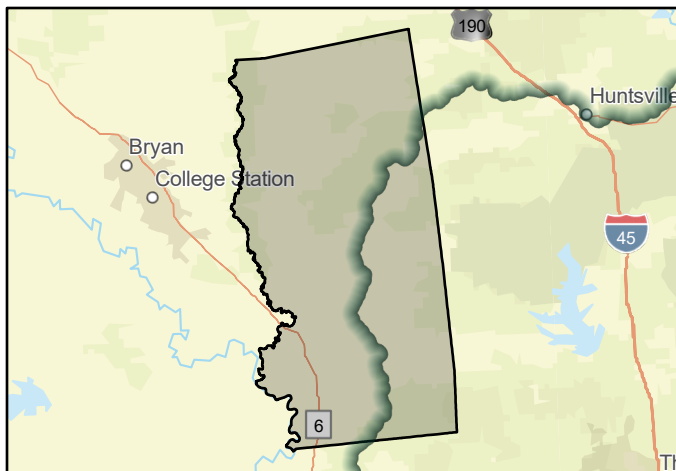
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

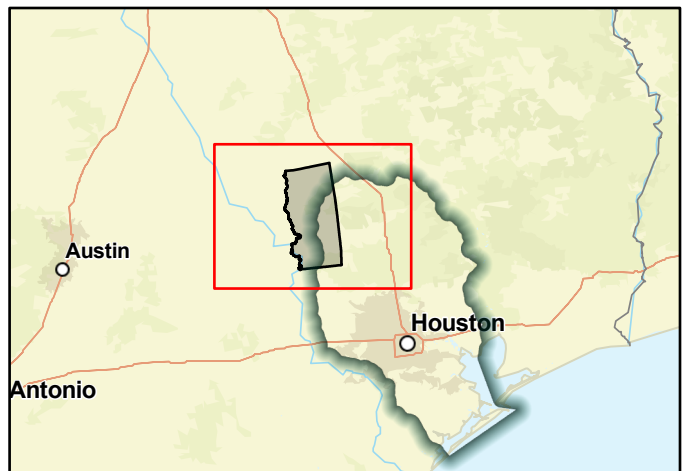
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$1,000,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Public Information and Awareness in City of New Waverly**

ID# **062000019** Sponsor **New Waverly (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Education and Outreach		
Strategy description	Rewrite, improve, and implement new local floodplain regulations, to include a public information campaign on regulatory awareness.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	2
Watershed HUC# (if known)	120401030101	County	Walker

Existing 100-Year Flood Risk

Population at risk	19	# of structures	23	Critical facilities	0
Flood risk type:	Riverine? No	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	1	Roadway(s) impacted (miles)	0		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

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

Impacts

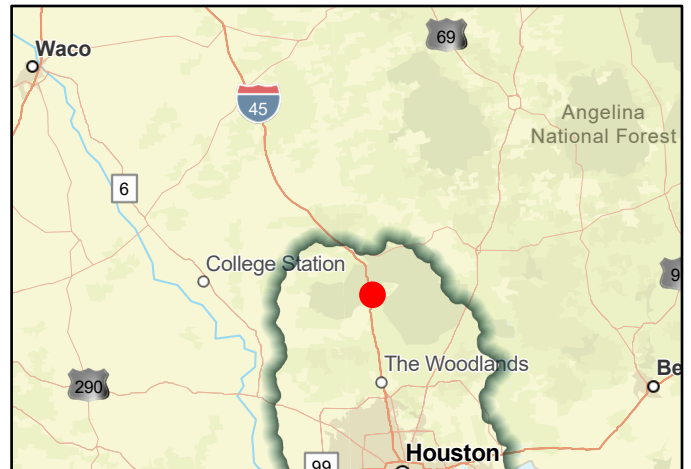
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$10,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Retrofit and Harden the Emergency Operations Center Serving Walker County**

ID# **062000045** Sponsor **Walker (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Education and Outreach		
Strategy description	Retrofit and harden the Emergency Operations Center serving Walker county including city of Huntsville, New Waverly, and Riverside.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	798
Watershed HUC# (if known)	120401010104,120401010101,120401010102,120401010103,1204010102		County Walker

Existing 100-Year Flood Risk

Population at risk	657	# of structures	505	Critical facilities	1
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	180	Roadway(s) impacted (miles)	25		
Number of low water crossings	2	Historical road closures	2		

100-Year Flood Risk Reduction

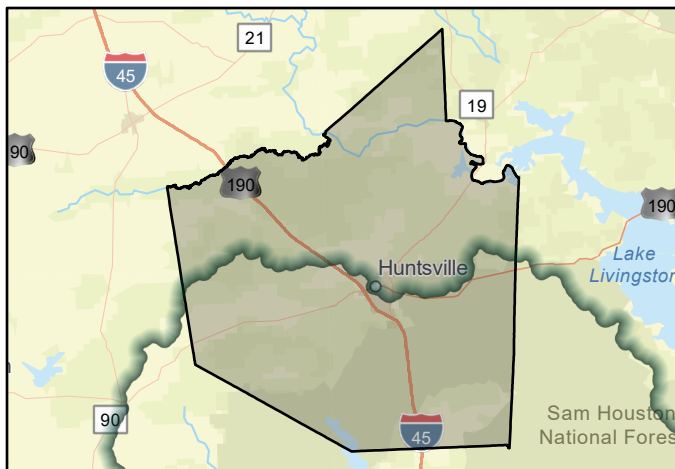
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	Public Uplift	Reduction in # of road closures over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

Impacts

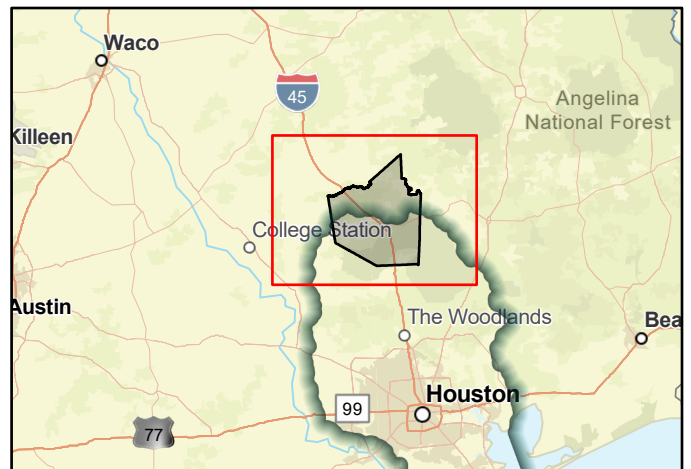
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$4,000,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Walker County Public Hazard Information and Awareness Campaign**

ID# **062000044** Sponsor **Walker (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Education and Outreach		
Strategy description	The county and participating jurisdiction will create and implement an education campaign to educate the public on mitigation techniques for all hazards.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	798
Watershed HUC# (if known)	120401010104,120401010101,120401010102,120401010103,1204010102		County Walker

Existing 100-Year Flood Risk

Population at risk	657	# of structures	505	Critical facilities	1
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	180	Roadway(s) impacted (miles)	25		
Number of low water crossings	2	Historical road closures	2		

100-Year Flood Risk Reduction

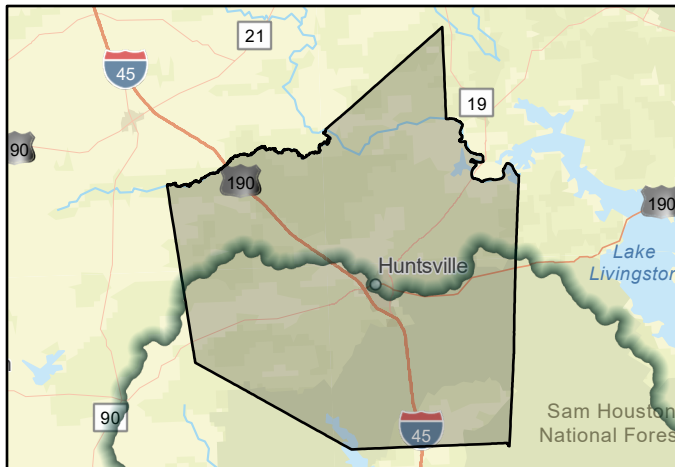
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	Public Education	Reduction in # of road closures over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

Impacts

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

Estimated Cost

Strategy Cost	\$20,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Walker County Public Information and Awareness**

ID# **062000027** Sponsor **Walker (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **Purchase high water (flood) indicators for low water river crossing for county roads.**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999** Drainage area (mi², est.) **798**

Watershed HUC# (if known) **120401010104,120401010101,120401010102,120401010103,1204010102** County **Walker**

Existing 100-Year Flood Risk

Population at risk **657** # of structures **505** Critical facilities **1**

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

Farm/Ranch land impacted (acres) **180** Roadway(s) impacted (miles) **25**

Number of low water crossings **2** Historical road closures **2**

100-Year Flood Risk Reduction

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

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

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

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

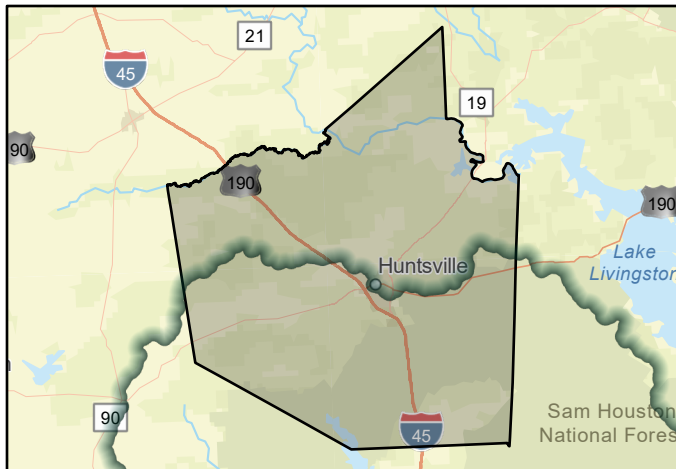
Impacts

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

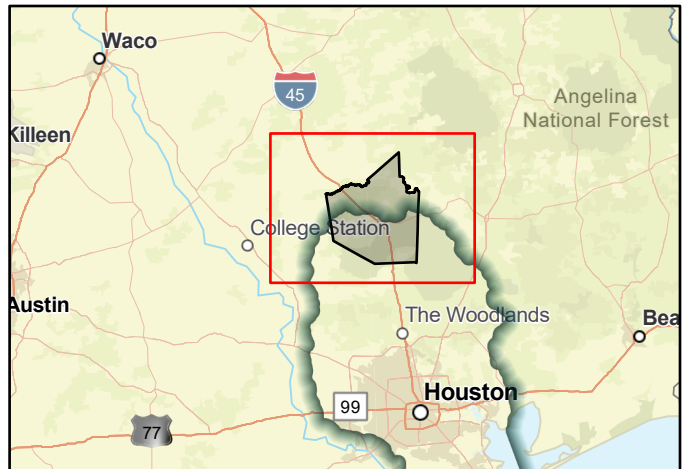
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$248,000** Amount of available funding **-** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Waller County Drainage System Maintenance**

ID# **062000040** Sponsor **Waller (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Infrastructure Projects		
Strategy description	Project will clear obstacles, widen and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding in all participating jurisdictions.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	516
Watershed HUC# (if known)	120401020102,120401020103,120401020204,120401020101,1204010202		County Waller

Existing 100-Year Flood Risk

Population at risk	2,410	# of structures	1,067	Critical facilities	6
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	1,357	Roadway(s) impacted (miles)	41		
Number of low water crossings	19	Historical road closures	19		

100-Year Flood Risk Reduction

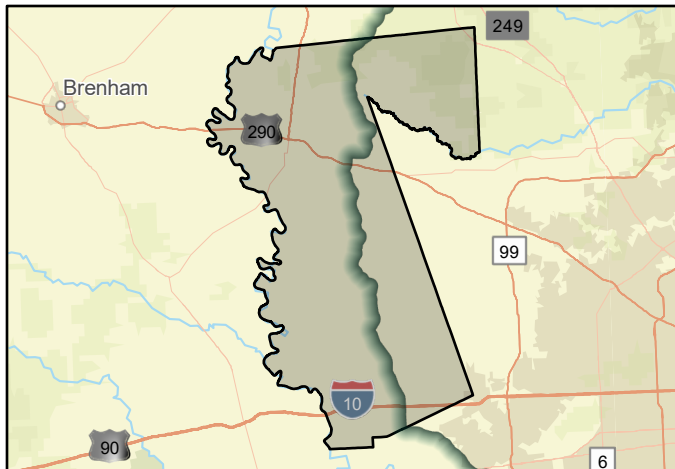
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

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

Estimated Cost

Strategy Cost	\$2,500,000	Amount of available funding	1250000	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Waller County Elevation Certificate Requirement**

ID# **062000016** Sponsor **Waller (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Regulatory and Guidance		
Strategy description	Require and maintain FEMA elevation certificates for all new/improved building in the special flood hazard area (SFHA).		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	798
Watershed HUC# (if known)	120401010104,120401010101,120401010102,120401010103,1204010102		County Waller

Existing 100-Year Flood Risk

Population at risk	657	# of structures	505	Critical facilities	1
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	180	Roadway(s) impacted (miles)	25		
Number of low water crossings	2	Historical road closures	2		

100-Year Flood Risk Reduction

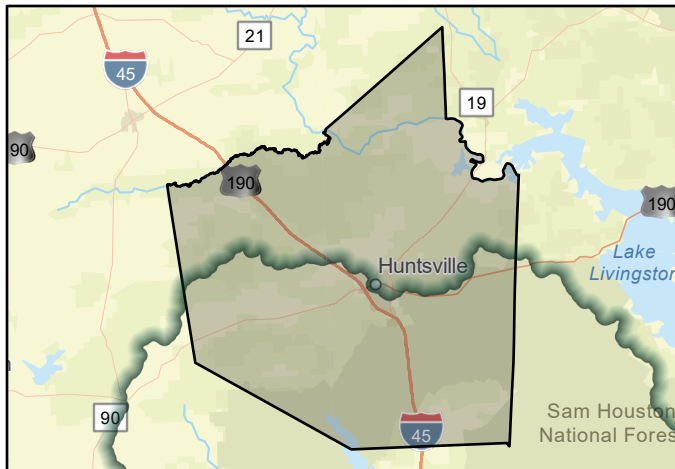
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

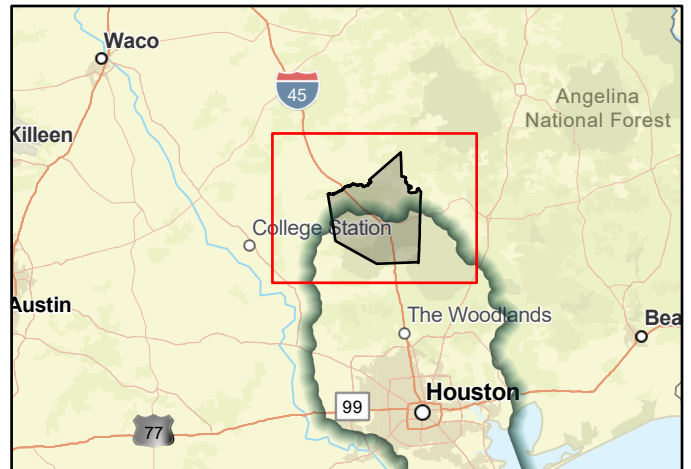
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$50,000	Amount of available funding	25000	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Waller County Flood Hazard Public Information Campaign**

ID# **062000041** Sponsor **Waller (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type **Education and Outreach**

Strategy description **Posting of signage at high profile locations and use of social media to communicate threats/concerns. Flood gauges for common flooded road crossings. Burn ban signs.**

Associated FME's **999999** Associated FMP's **999999**

Associated FMS's **999999**

Watershed HUC# (if known) **120401020102,120401020103,120401020204,120401020101,1204010202** Drainage area (mi², est.) **516**

County **Waller**

Existing 100-Year Flood Risk

Population at risk **2,410** # of structures **1,067** Critical facilities **6**

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

Farm/Ranch land impacted (acres) **1,357** Roadway(s) impacted (miles) **41**

Number of low water crossings **19** Historical road closures **19**

100-Year Flood Risk Reduction

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

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

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

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

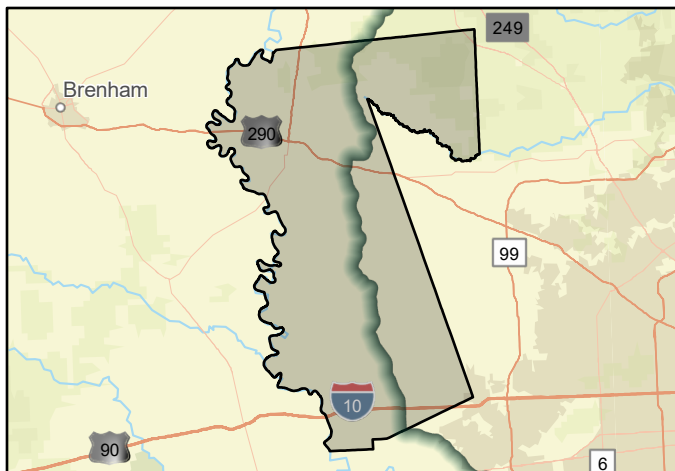
Impacts

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

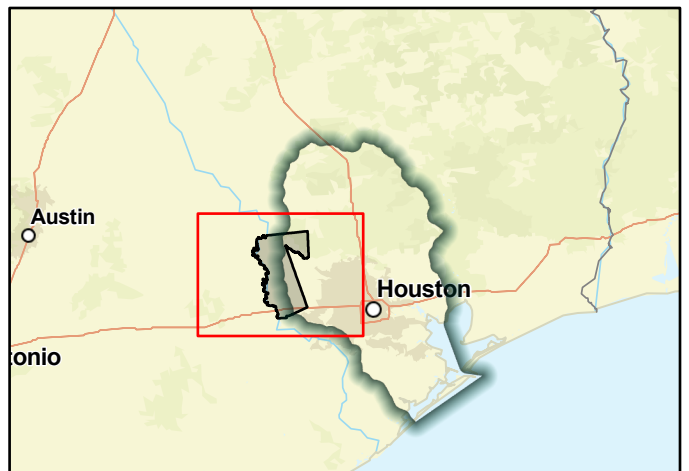
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$20,000** Amount of available funding **10000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Waller County Freeboard Requirement Update**

ID# **062000042** Sponsor **Waller (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Strategy Details

Strategy type	Regulatory and Guidance		
Strategy description	The county may increase its freeboard requirement to 24-in from 18-in above the base flood elevation. County may require that all new lots within a platted subdivision be located fully outside of the floodplain. Applicable to all floodplain development.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	516
Watershed HUC# (if known)	120401020102,120401020103,120401020204,120401020101,1204010202		County Waller

Existing 100-Year Flood Risk

Population at risk	2,410	# of structures	1,067	Critical facilities	6
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	1,357	Roadway(s) impacted (miles)	41		
Number of low water crossings	19	Historical road closures	19		

100-Year Flood Risk Reduction

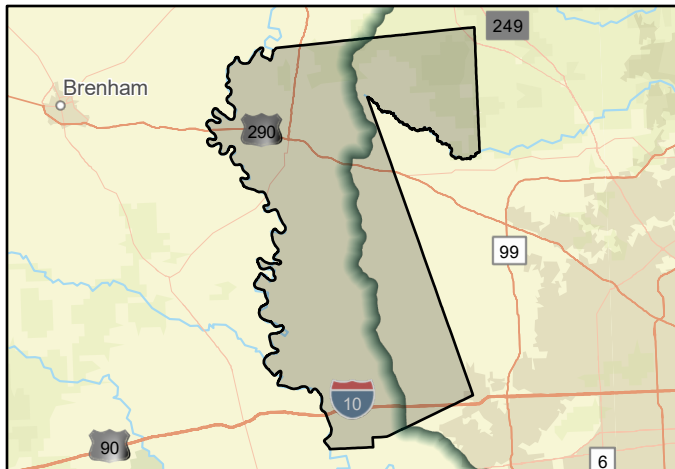
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

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

Estimated Cost

Strategy Cost	\$100,000	Amount of available funding	100000	% Nature-Based	0
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FMS area



Regional view of FMS area

**Appendix 5-5C:
One-Page Summaries of Recommended FMEs**

Flood Management Evaluation (FME)



Title **37th Street, Galveston, Drainage Project**

ID# **061000311**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study and FMP development of existing storm sewer system replacement and upgrades using the city's updated drainage criteria that now require a 25-year storm drainage capacity.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Brazoria, Galveston** Watershed HUC# (if known) **120402040200**

Drainage area (Square miles, est.) **253** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **150,807** # of structures **40,153** Critical facilities **648**

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

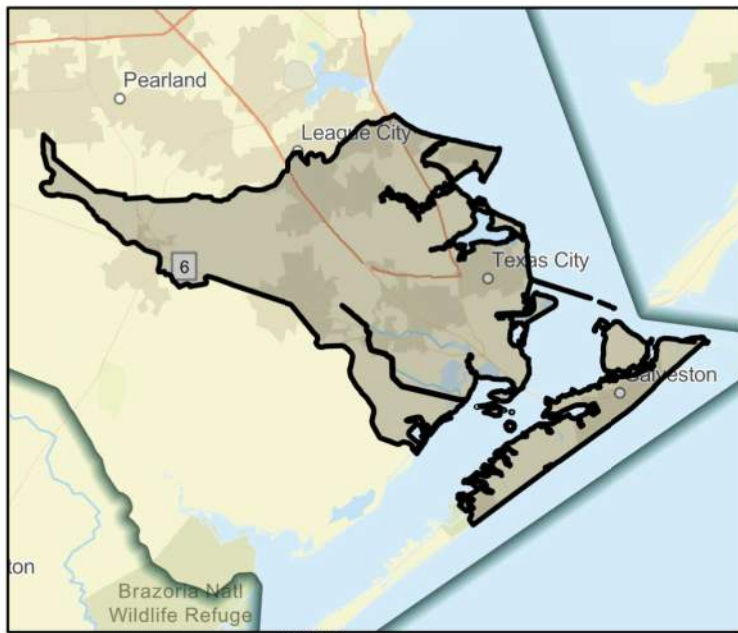
Farm/Ranch land impacted (acres) **2,683** Roadway(s) impacted (length) **723**

Number of low water crossings **26** Historical road closures **26**

Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek

ID# 061000312

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

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Develop BCA to become a FMP. This project is part of the South Mayde Creek Plan that could reduce the risk of flooding for more than 70 homes and reduce the rainfall event by more than 340 acres in a pre-Atlas 1% rainfall event.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris Watershed HUC# (if known) 120401040102,120401040202,120401040104,120401040203,120401040

Drainage area (Square miles, est.) 16 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 3,061 # of structures 692 Critical facilities 12

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

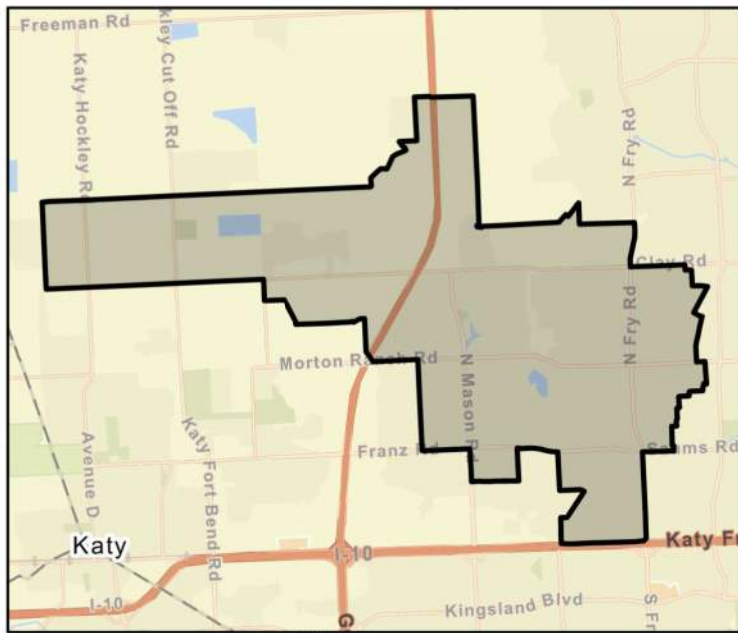
Farm/Ranch land impacted (acres) 27 Roadway(s) impacted (length) 12

Number of low water crossings 0 Historical road closures 0

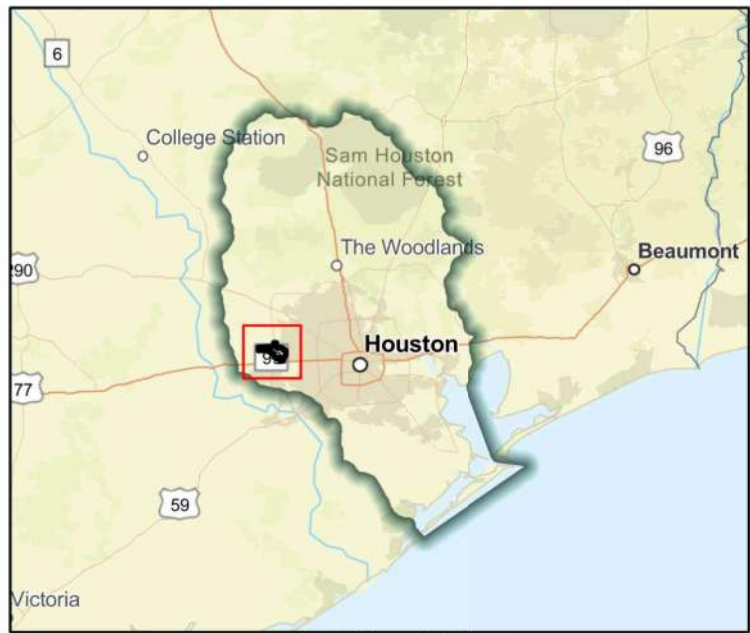
Estimated Cost and Funding Availability

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

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Addicks Reservoir - Design and Construction of a Bridge Replacement for Greenhouse Road at South Mayde Creek

ID# 061000441

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

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Develop BCA to become a FMP. This project is part of the South Mayde Creek Plan that could reduce the risk of flooding for more than 70 homes and reduce the rainfall event by more than 340 acres in a pre-Atlas 1% rainfall event.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris Watershed HUC# (if known) 120401040102,120401040202,120401040104,120401040203,120401040

Drainage area (Square miles, est.) 16 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 3,061 # of structures 692 Critical facilities 12

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

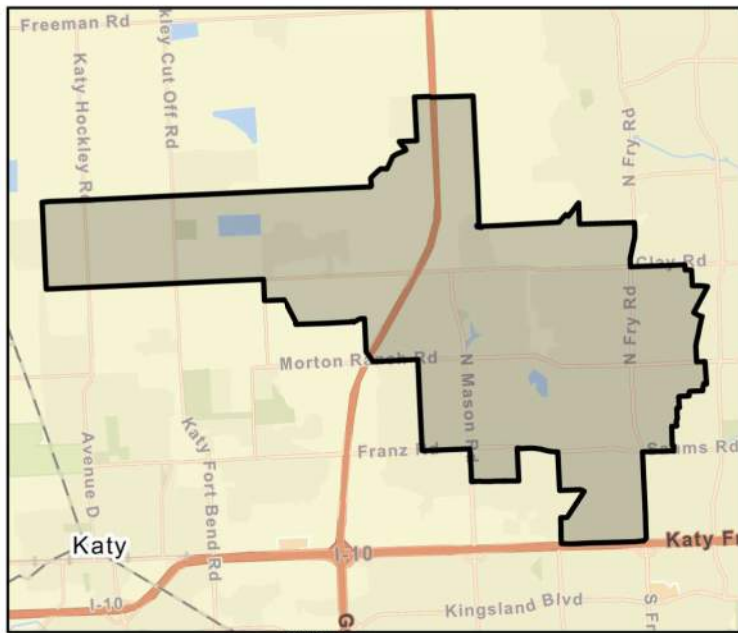
Farm/Ranch land impacted (acres) 27 Roadway(s) impacted (length) 12

Number of low water crossings 0 Historical road closures 0

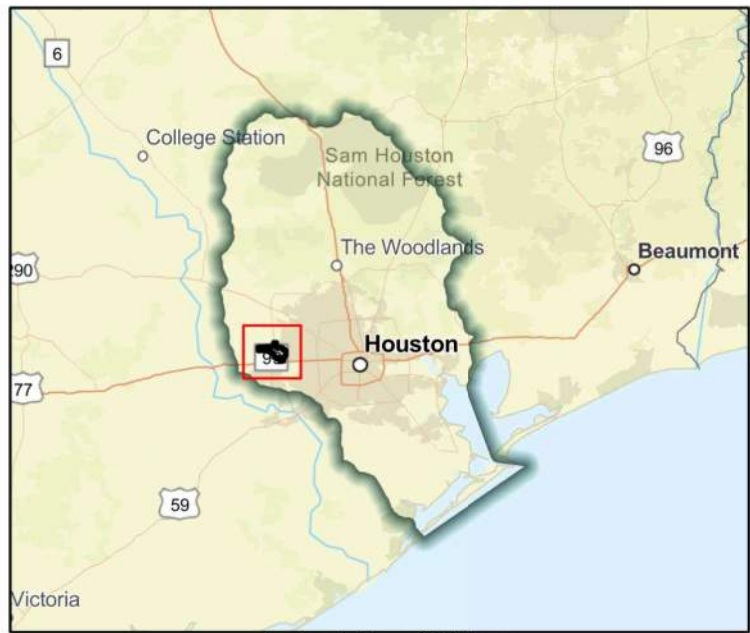
Estimated Cost and Funding Availability

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

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Addicks Reservoir - Design and Construction of Dinner Creek Stormwater Detention Basin

ID# 061000313

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

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Develop BCA to become a FMP. Project would provide additional stormwater detention in support of flood damage reduction and could reduce the risk of flooding for approximately 30 multi-family structures in Addicks Reservoir Watershed.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris Watershed HUC# (if known) 120401040102,120401040202,120401040104,120401040203,120401040

Drainage area (Square miles, est.) 16 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 3,061 # of structures 692 Critical facilities 12

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

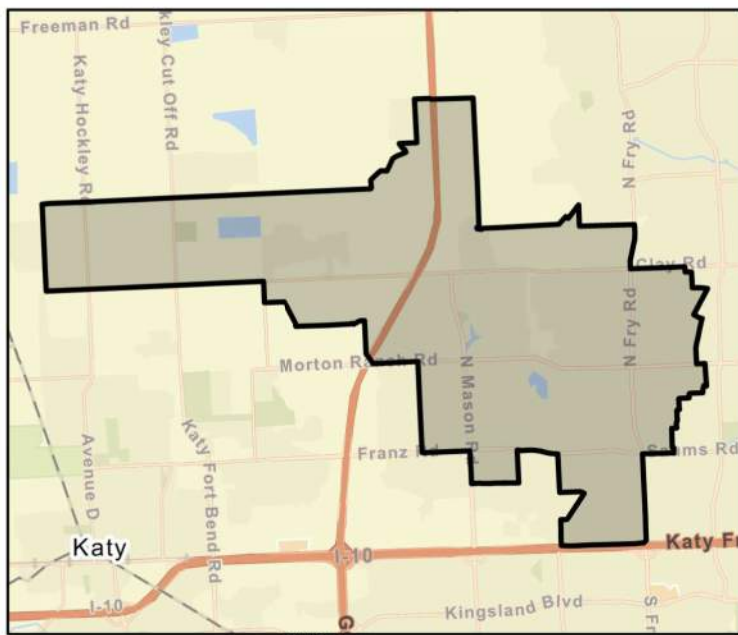
Farm/Ranch land impacted (acres) 27 Roadway(s) impacted (length) 12

Number of low water crossings 0 Historical road closures 0

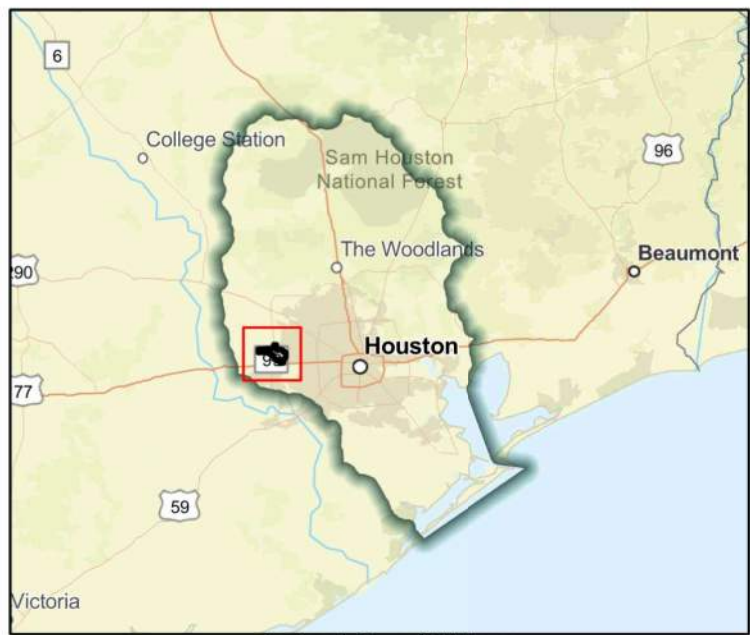
Estimated Cost and Funding Availability

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

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek

ID# 061000315

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

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a BCA needed for this project to become a FMP. This project is part of the South Mayde Creek Plan to reduce flood risk 70+ homes & reduce the rainfall event by 340+ acres in pre-Atlas 1% rainfall event.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris Watershed HUC# (if known) 120401040202,120401040104,120401040203,120401040303

Drainage area (Square miles, est.) 13 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 5,217 # of structures 944 Critical facilities 21

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

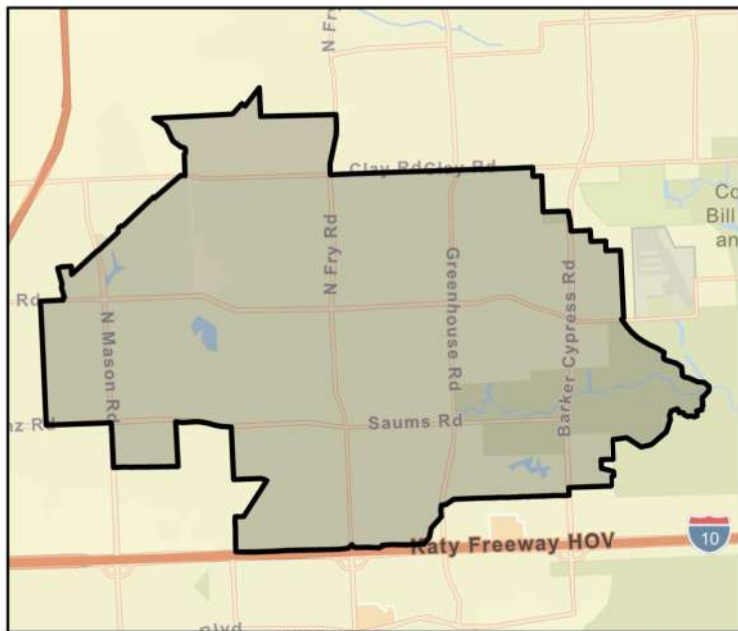
Farm/Ranch land impacted (acres) 19 Roadway(s) impacted (length) 16

Number of low water crossings 0 Historical road closures 0

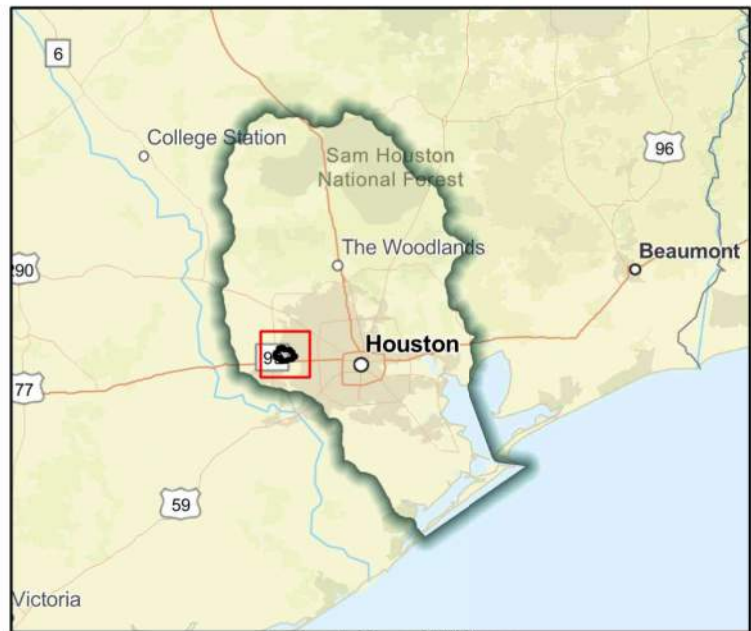
Estimated Cost and Funding Availability

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

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Addicks Reservoir Watershed Study**

ID# **061000177**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Watershed wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **Yes** Existing/Anticipated models in near term? **Yes**

County **Harris,Waller** Watershed HUC# (if known) **120401020103,120401040102,120401040202,120401040104,120401040**

Drainage area (Square miles, est.) **138** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **11,473** # of structures **3,746** Critical facilities **53**

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

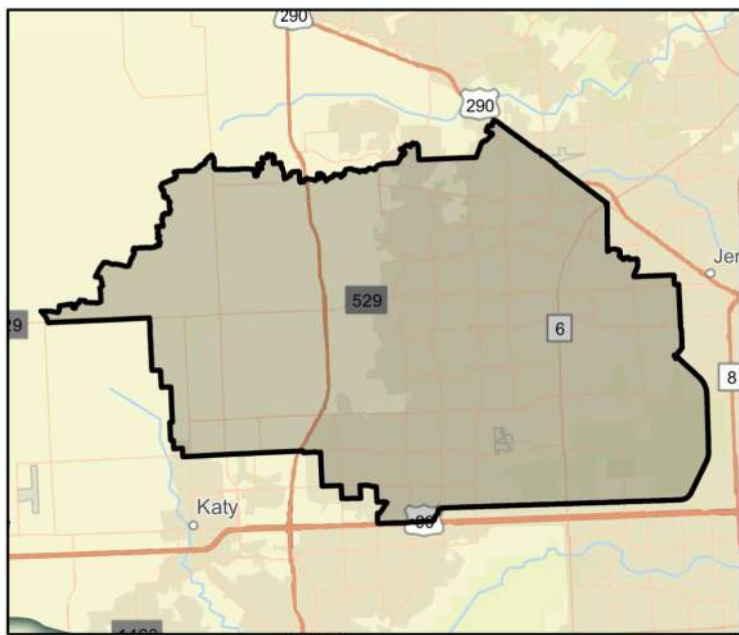
Farm/Ranch land impacted (acres) **1,607** Roadway(s) impacted (length) **114**

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

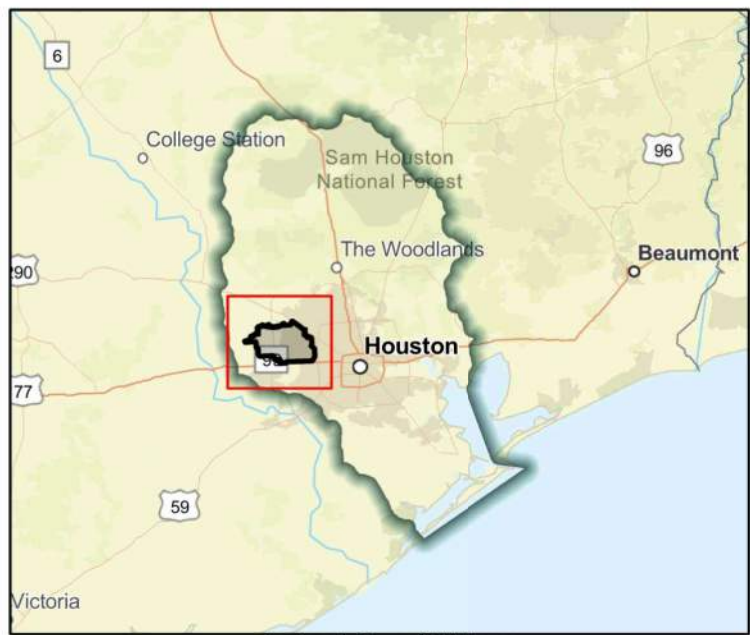
Estimated Cost and Funding Availability

Total Cost **\$670,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **April Sound Subdivision Evaluation**

ID# **061000214**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Detailed analysis to be completed for the entire development using detailed storm sewer modeling.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Montgomery** Watershed HUC# (if known) **120401010207,120401010401,120401010402**

Drainage area (Square miles, est.) **100** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **14,964** # of structures **3,465** Critical facilities **46**

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

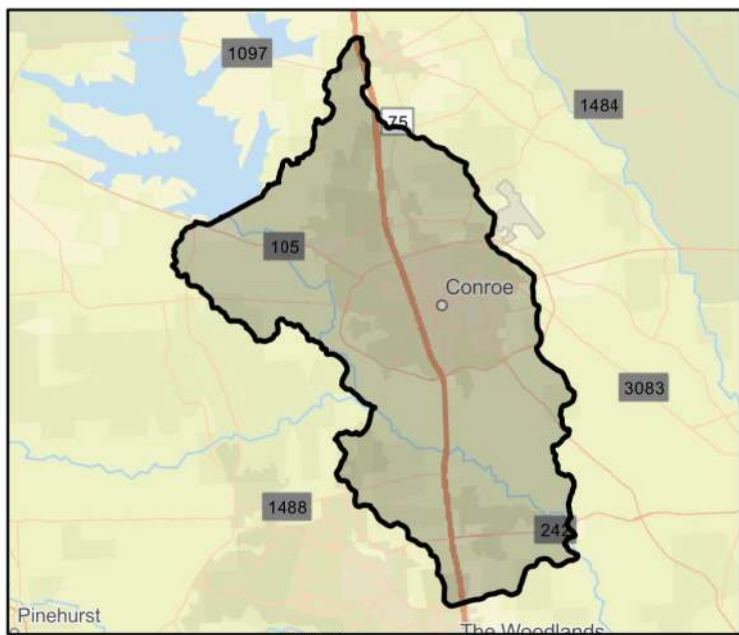
Farm/Ranch land impacted (acres) **98** Roadway(s) impacted (length) **84**

Number of low water crossings **18** Historical road closures **18**

Estimated Cost and Funding Availability

Total Cost **\$1,700,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



Flood Management Evaluation (FME)



Title **Arcadian Gardens Subdivision Drainage Improvements**

ID# **061000317**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Cost Benefit Analysis and elevate the project to a FMP. To achieve this goal, the key features of improvements are to rehabilitate roadside swales, build new storm sewers and improve the outfall drainage conditions.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Harris** Watershed HUC# (if known) **120401040704**

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

100-Year Flood Risk Summary

Population at risk **5** # of structures **5** Critical facilities **0**

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

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

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

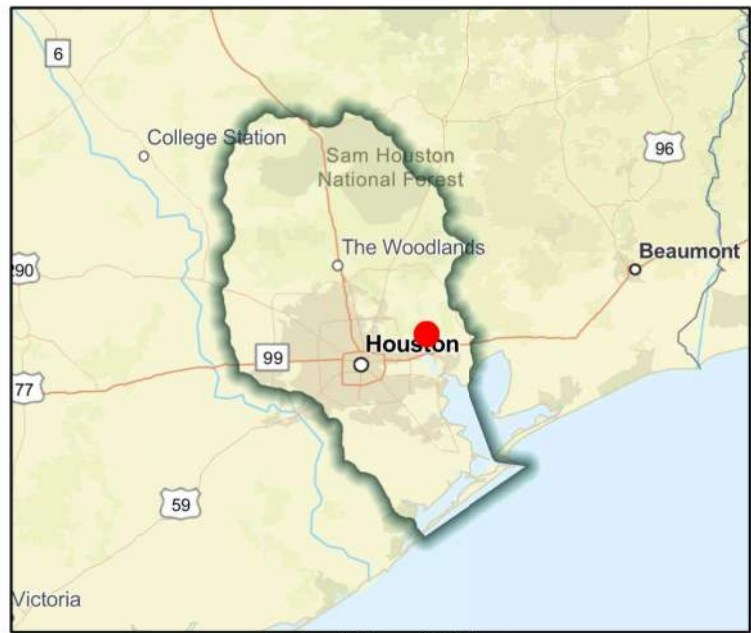
Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Armand Bayou - Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins**

ID# **061000319**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Design and Construction of this stormwater detention basin could reduce the risk of flooding for over 400 structures in an Atlas 14 1% rainfall event.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** 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 **468** # of structures **63** Critical facilities **0**

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

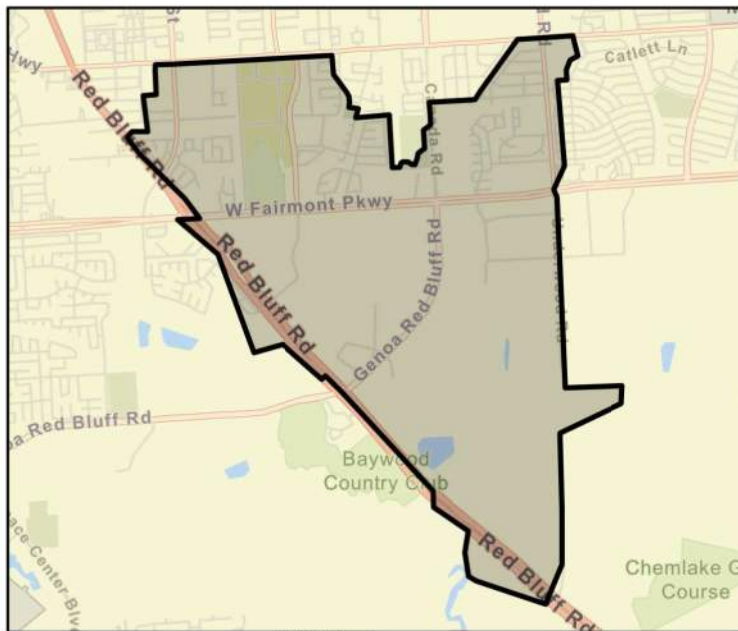
Farm/Ranch land impacted (acres) **6** Roadway(s) impacted (length) **3**

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

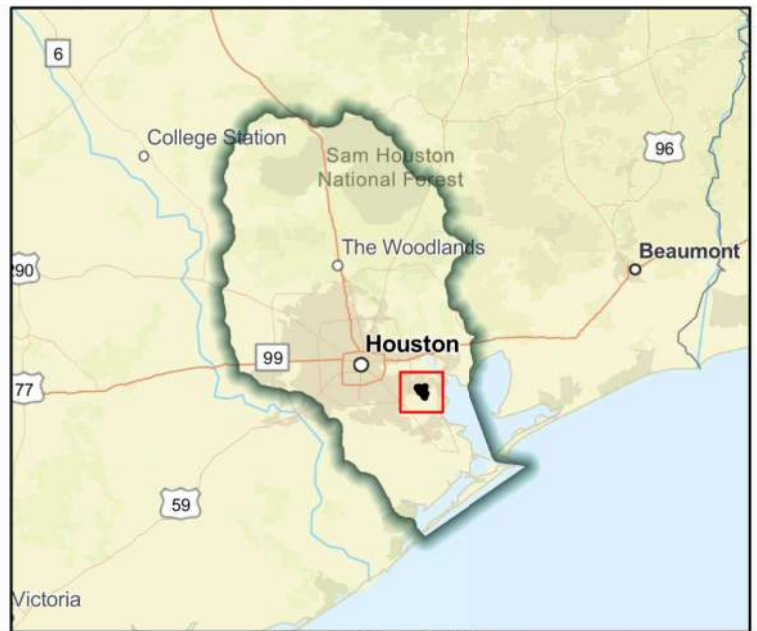
Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Armand Bayou Watershed- Basin Expansion and Extension and H&H Study (Phases 1 + 2)**

ID# **061000321**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Channel modifications along B115-00-00 requires expansion of B500-04-00 and new detention property.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **No**

County **Harris**

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

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

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

100-Year Flood Risk Summary

Population at risk **2,154**

of structures **371**

Critical facilities **0**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

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

Roadway(s) impacted (length) **4**

Number of low water crossings **0**

Historical road closures **0**

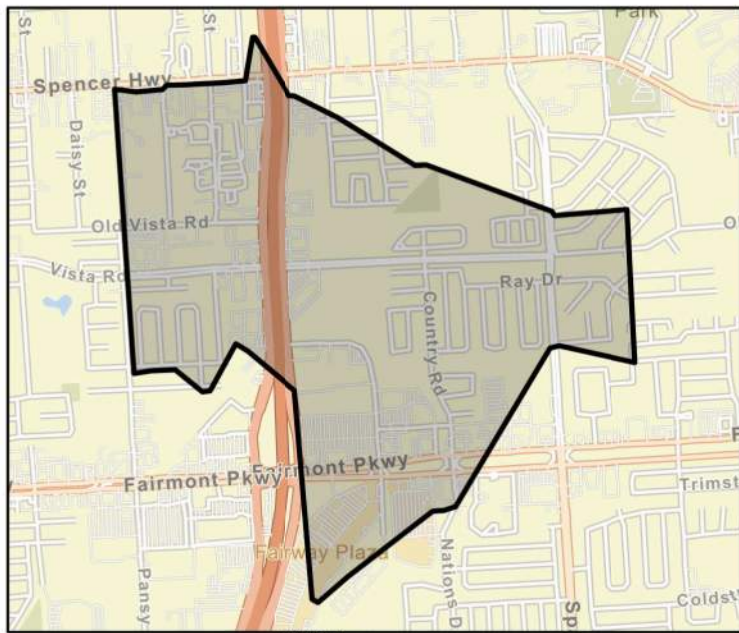
Estimated Cost and Funding Availability

Total Cost **\$30,000**

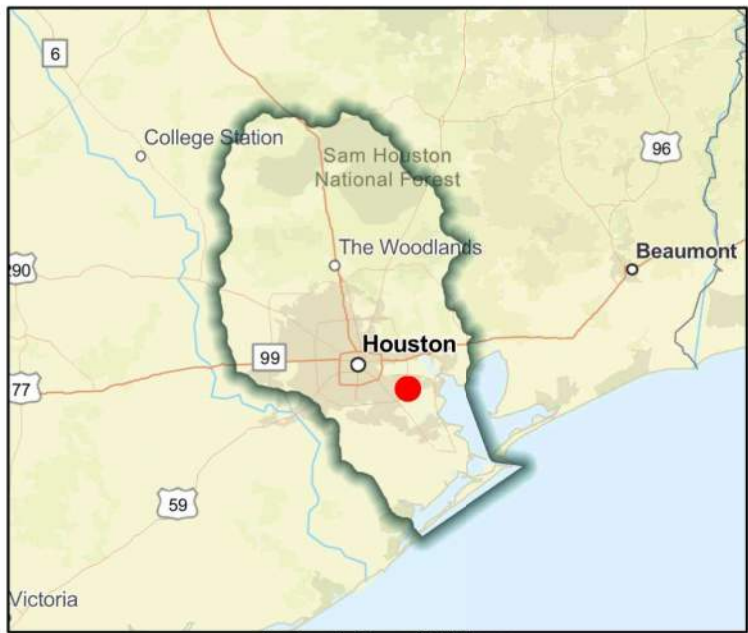
Amount of Available Funding **-**

Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Artesian Forest 1 - Artesian Creek Watershed**

ID# **061000443**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

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

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

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

Drainage area (Square miles, est.) **1** 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? **No** Coastal? **No** Local? **No** Playa? **No** Other? **Yes**

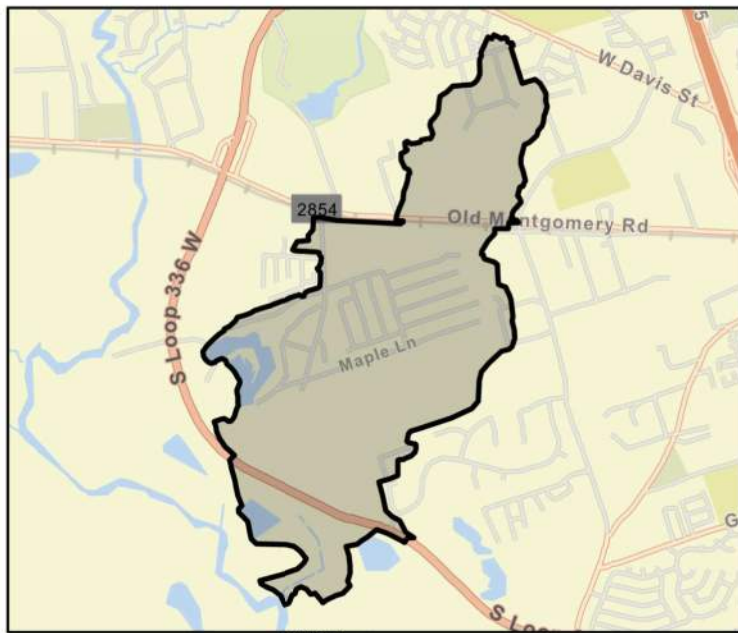
Farm/Ranch land impacted (acres) **7** Roadway(s) impacted (length) **1**

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 **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Artesian Forest East - Artesian Creek Watershed**

ID# **061000444**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

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

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

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

Drainage area (Square miles, est.) **1** 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? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

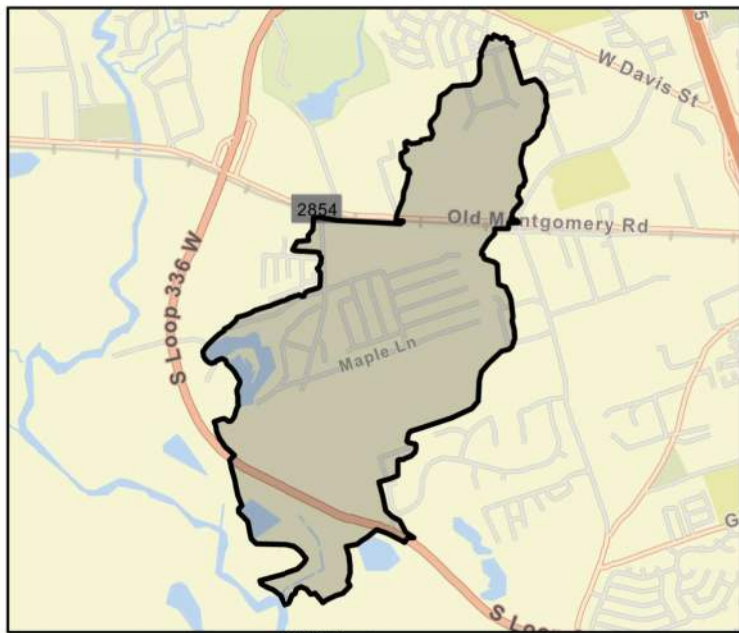
Farm/Ranch land impacted (acres) **7** Roadway(s) impacted (length) **1**

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 **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Avenue M - Stewarts Creek Watershed**

ID# **061000457**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

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

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Montgomery** Watershed HUC# (if known) **120401010207,120401010403,120401010401,120401010402,120401010**

Drainage area (Square miles, est.) **20** 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? **Yes** 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 **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **B106-WP01 & WP02 for Armand Bayou Watershed**

ID# **061000323**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Conveyance improvements for B106-00-00 channel, including detention/mitigation storage.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040706,120402040100**

Drainage area (Square miles, est.) **10** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **2,199** # of structures **473** Critical facilities **0**

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

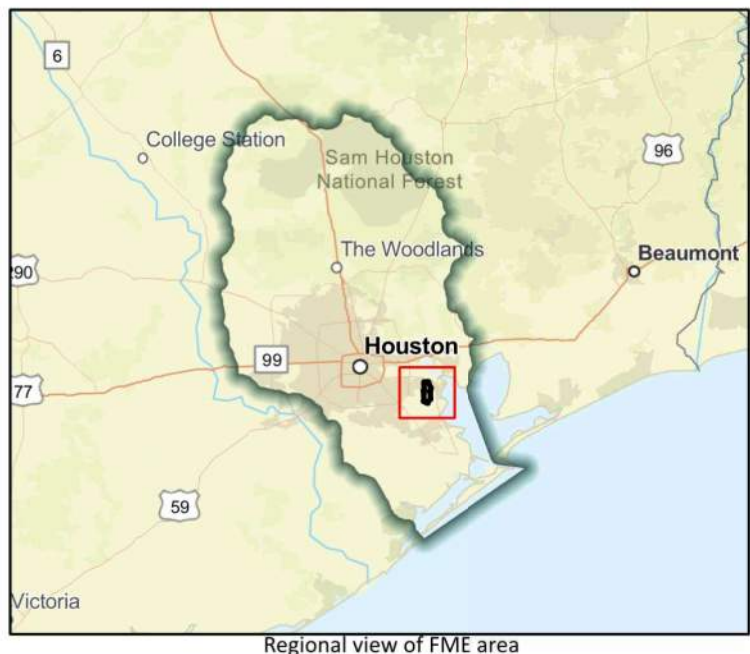
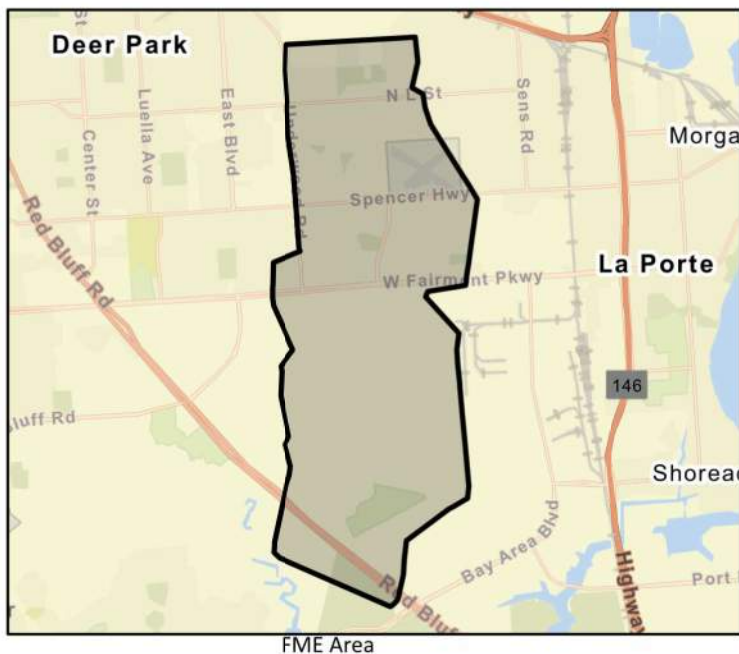
Farm/Ranch land impacted (acres) **21** Roadway(s) impacted (length) **7**

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 **Yes**

Funding source **-**



Flood Management Evaluation (FME)



Title **Baretta - Grand Lake Creek Watershed**

ID# **061000454**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

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

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

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

Drainage area (Square miles, est.) **4** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **283** # of structures **102** Critical facilities **0**

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

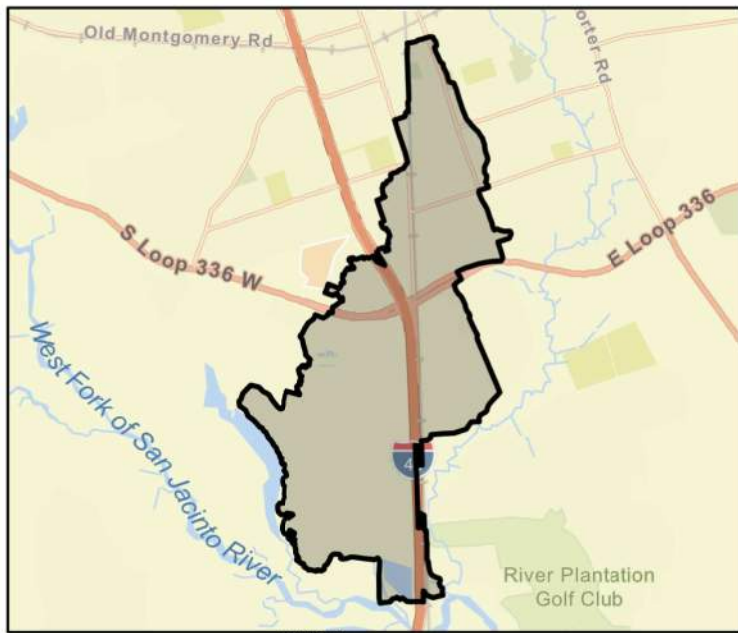
Farm/Ranch land impacted (acres) **4** Roadway(s) impacted (length) **6**

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 **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Barker - T101-00-00**

ID# **061000217**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of 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? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040102,120401040104,120401040203,120401040303**

Drainage area (Square miles, est.) **17** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **521** # of structures **41** Critical facilities **0**

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

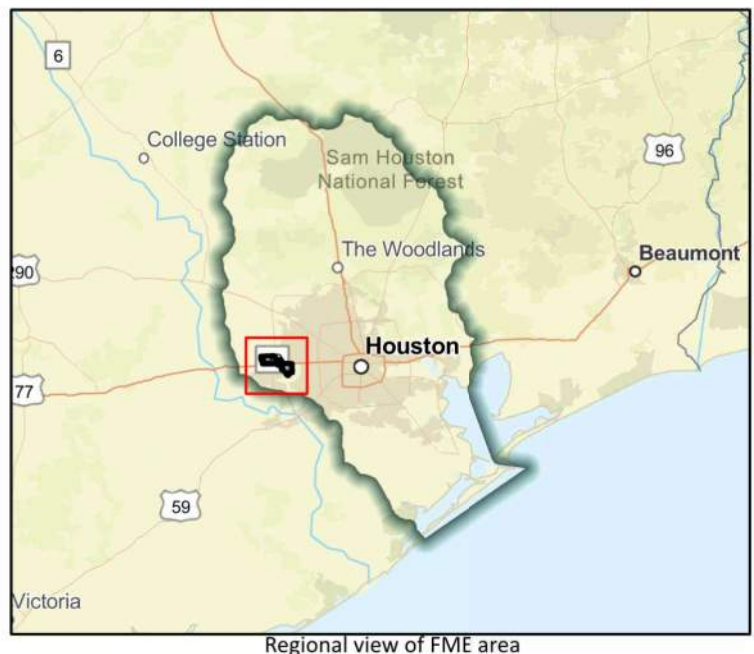
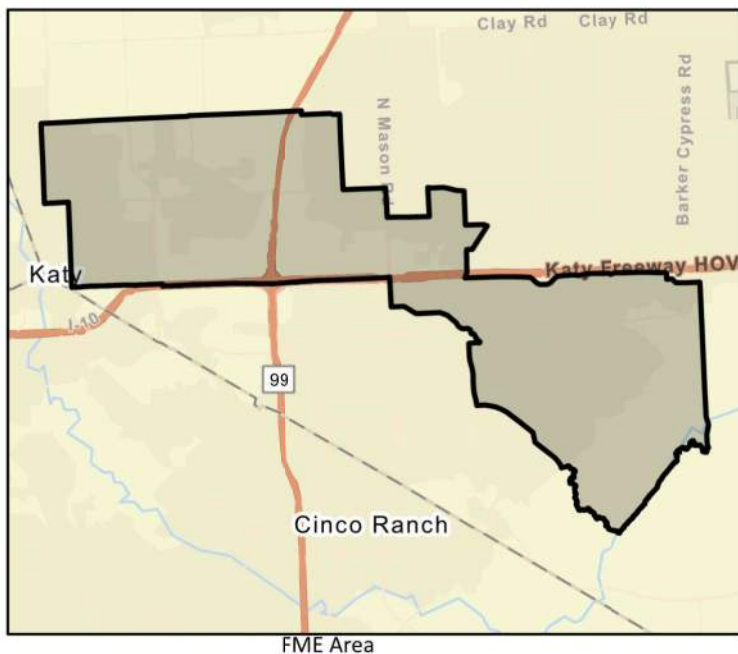
Farm/Ranch land impacted (acres) **9** Roadway(s) impacted (length) **3**

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

Estimated Cost and Funding Availability

Total Cost **\$300,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



Flood Management Evaluation (FME)



Title **Barker - T103-00-00**

ID# **061000218**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of 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? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040102,120401040104,120401040203**

Drainage area (Square miles, est.) **4** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

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

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

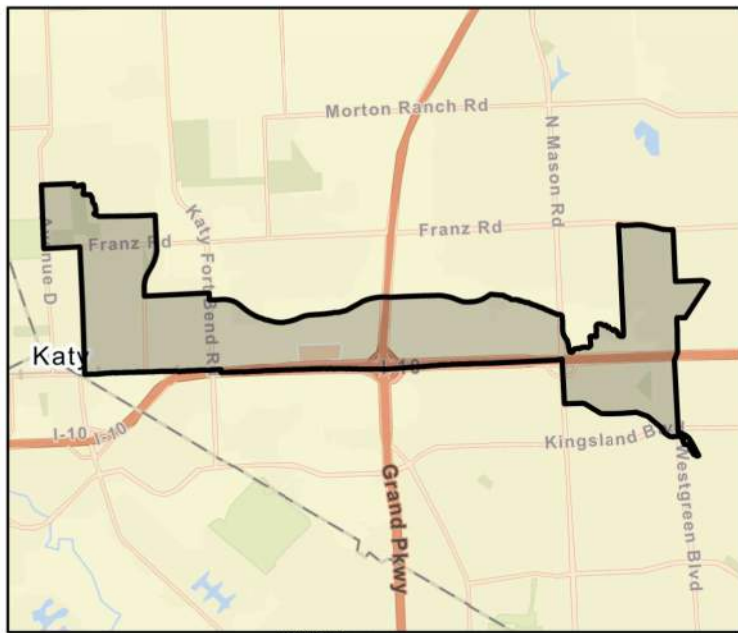
Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **1**

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

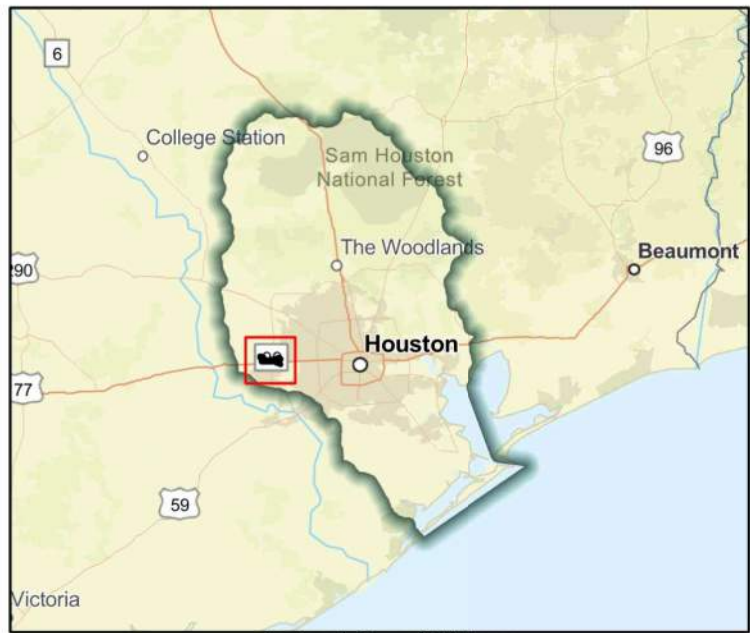
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Barker Reservoir Flood Risk Reduction and Park Project**

ID# **061000324**

Sponsor (name of entity, not person) **Willow Fork Drainage District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to further the proposed project. FIF application information unavailable.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Fort Bend,Harris,Waller** Watershed HUC# (if known) **120401040103**

Drainage area (Square miles, est.) **27** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **306** # of structures **115** Critical facilities **2**

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

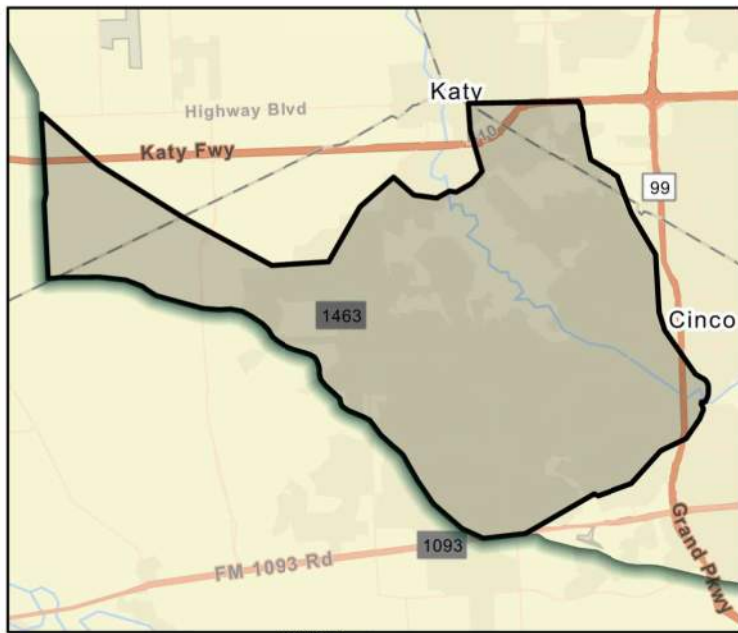
Farm/Ranch land impacted (acres) **20** Roadway(s) impacted (length) **1**

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

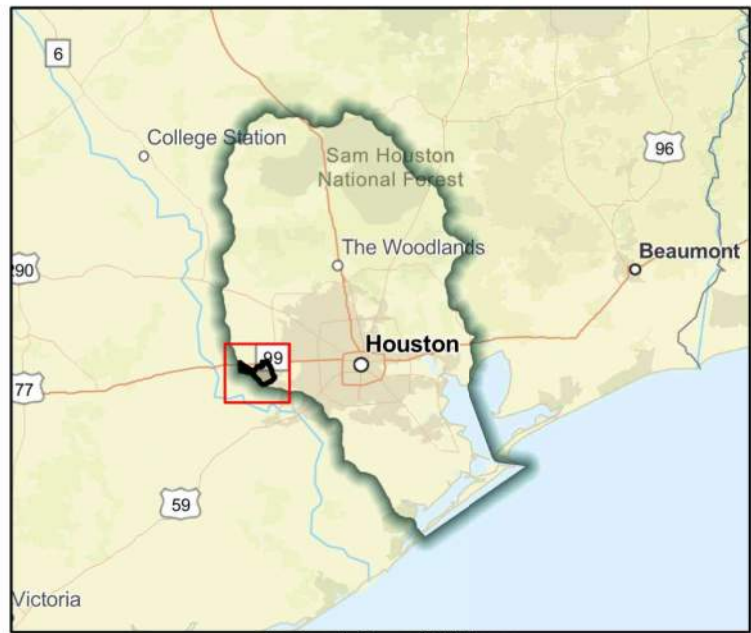
Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Barker Reservoir Watershed Study**

ID# **061000178**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Watershed wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **Yes** Existing/Anticipated models in near term? **Yes**

County **Fort Bend,Harris,Waller** Watershed HUC# (if known) **120401020103,120401040102,120401040103,120401040104,120401040**

Drainage area (Square miles, est.) **128** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **4,313** # of structures **1,052** Critical facilities **11**

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

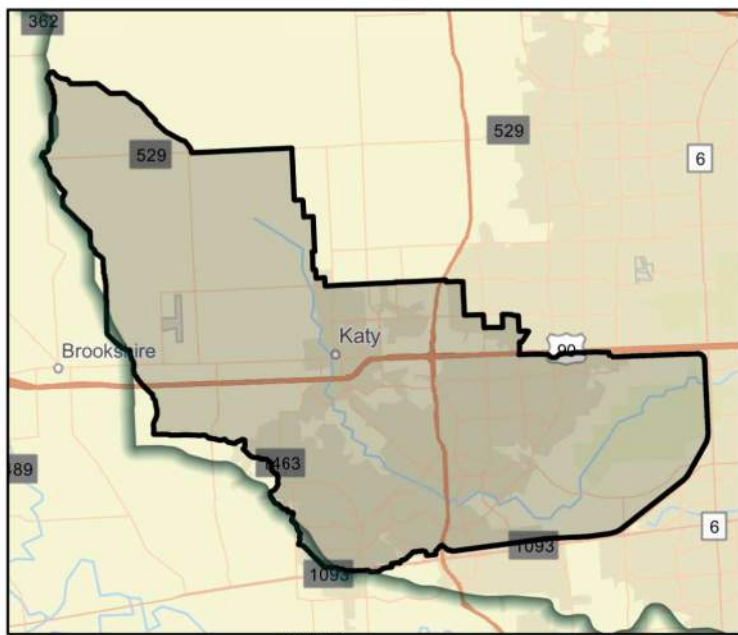
Farm/Ranch land impacted (acres) **753** Roadway(s) impacted (length) **34**

Number of low water crossings **5** Historical road closures **5**

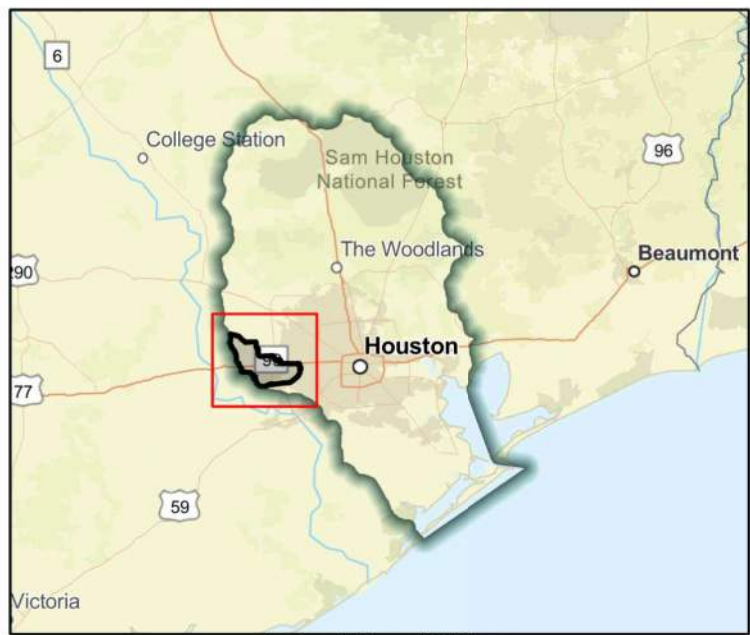
Estimated Cost and Funding Availability

Total Cost **\$620,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Blalock Road Drainage Improvement Project**

ID# **061000327**

Sponsor (name of entity, not person) **Piney Point Village (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to further the proposed project that includes increasing the capacity of the drainage system with a 9'x9' RCB to replace dual 36-inch RCP along the east side of the road and an open ditch with driveway culverts on the west side of the road.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Harris** Watershed HUC# (if known) **120401040302,120401040303**

Drainage area (Square miles, est.) **7** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **365** # of structures **35** Critical facilities **1**

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

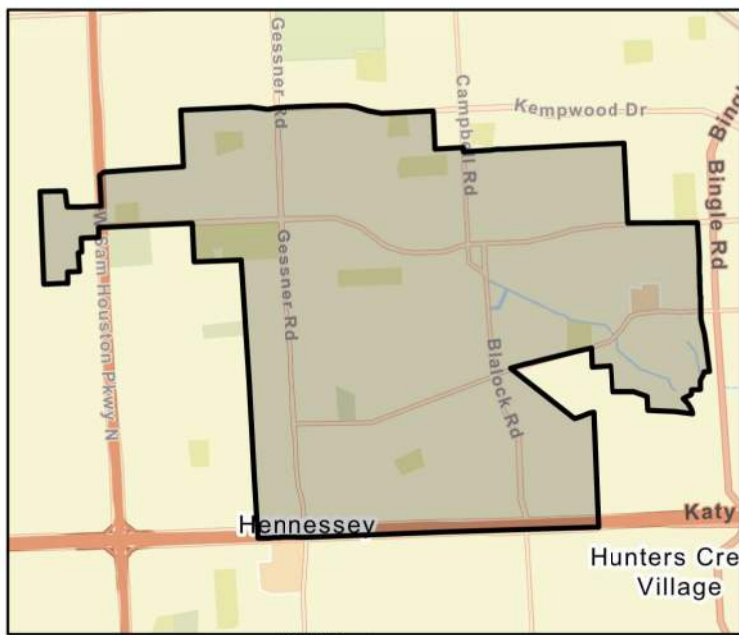
Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **0**

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

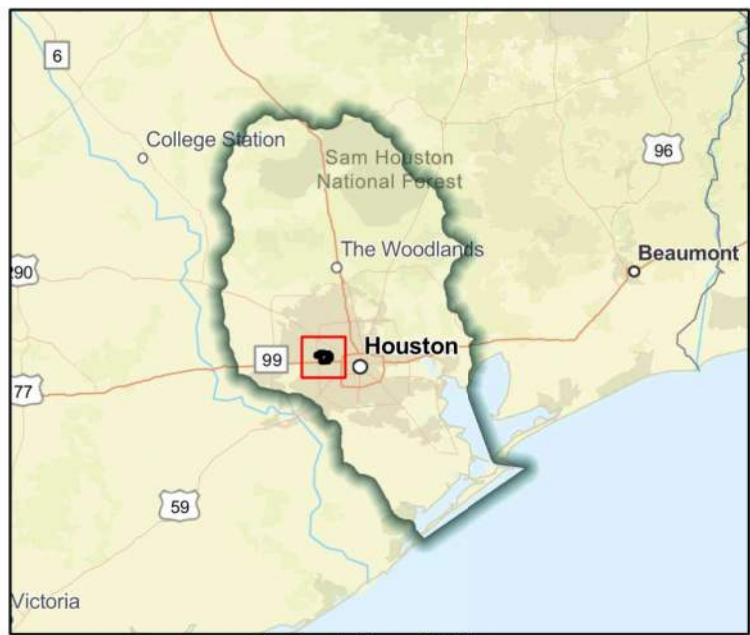
Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction**

ID# **061000328**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a BCR required for this project to become a FMP. A project could reduce the risk flooding for over 2,500 structures and could reduce the frequency and duration of flooding along about 100 miles of roadway.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

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

Drainage area (Square miles, est.) **23** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **30,383** # of structures **2,549** Critical facilities **27**

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

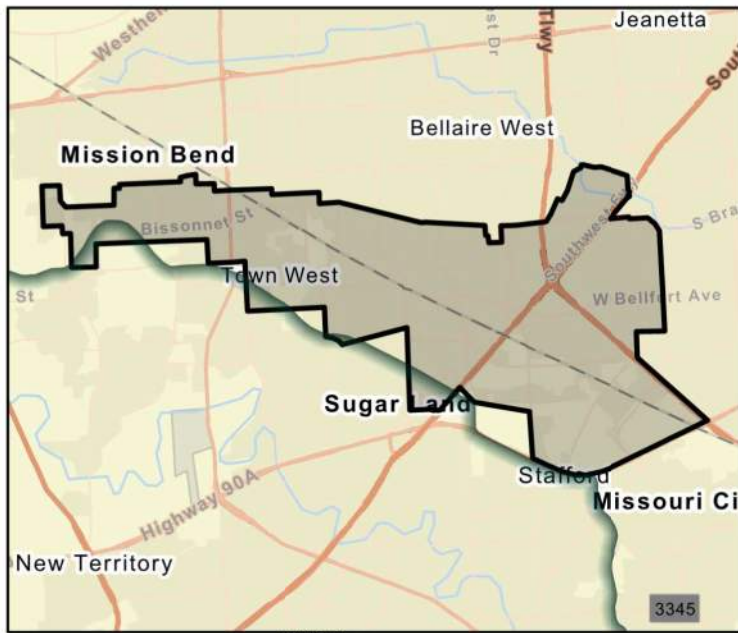
Farm/Ranch land impacted (acres) **3** Roadway(s) impacted (length) **39**

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

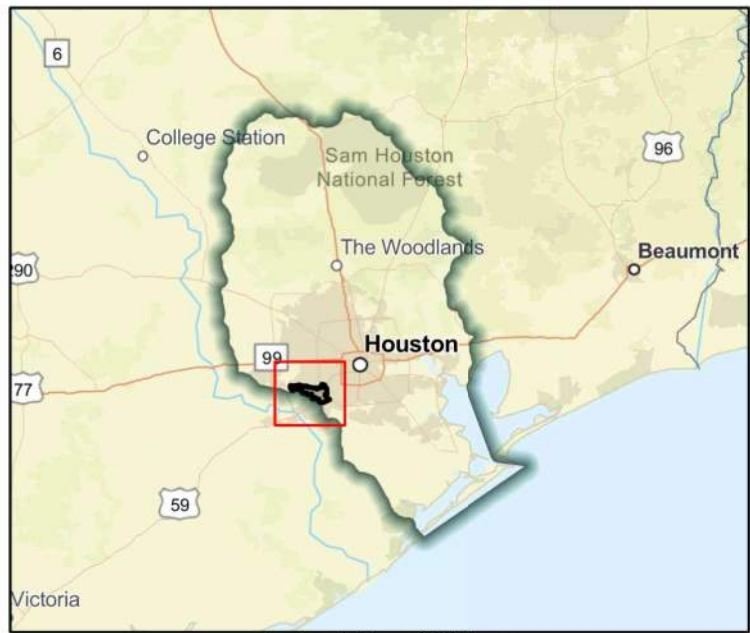
Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Brays Bayou - Partnership Project with Fort Bend County on Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along

ID# 061000188

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

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study of channel improvements from partnership project to restore channel conveyance including Atlas 14 rainfalls.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Fort Bend,Harris Watershed HUC# (if known) 120401040103,120401040104,120401040303,120401040401

Drainage area (Square miles, est.) 34 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 1,703 # of structures 328 Critical facilities 1

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

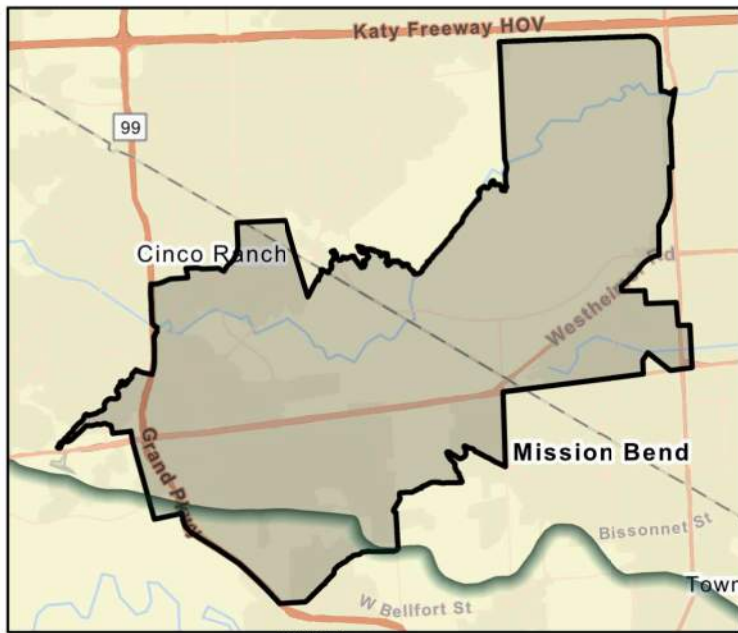
Farm/Ranch land impacted (acres) 218 Roadway(s) impacted (length) 20

Number of low water crossings 0 Historical road closures 0

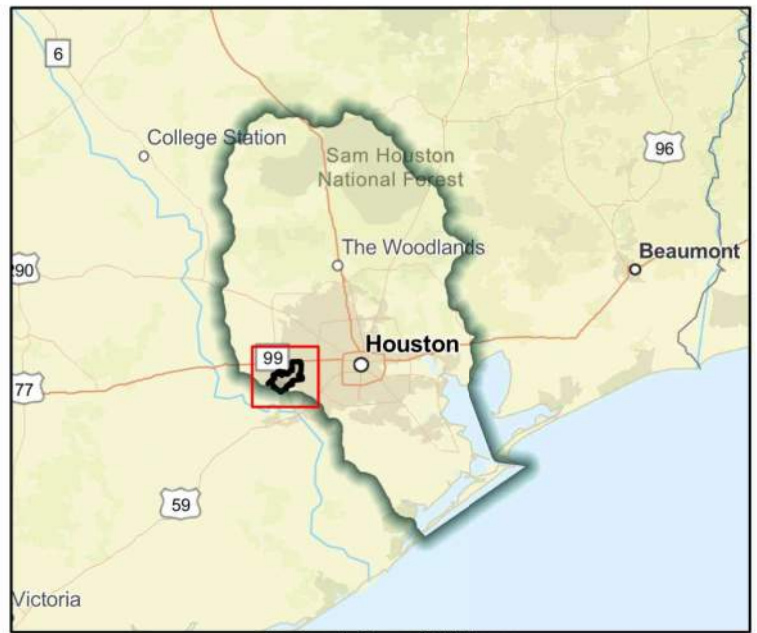
Estimated Cost and Funding Availability

Total Cost \$1,020,000 Amount of Available Funding - Federal funding availability Yes

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Brays Bayou - Poor Farm Ditch**

ID# **061000186**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a BCR and elevate project to a FMP. Further study of channel improvements from partnership project to restore channel conveyance including Atlas 14 rainfalls.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040402**

Drainage area (Square miles, est.) **3** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **25,842** # of structures **3,295** Critical facilities **34**

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

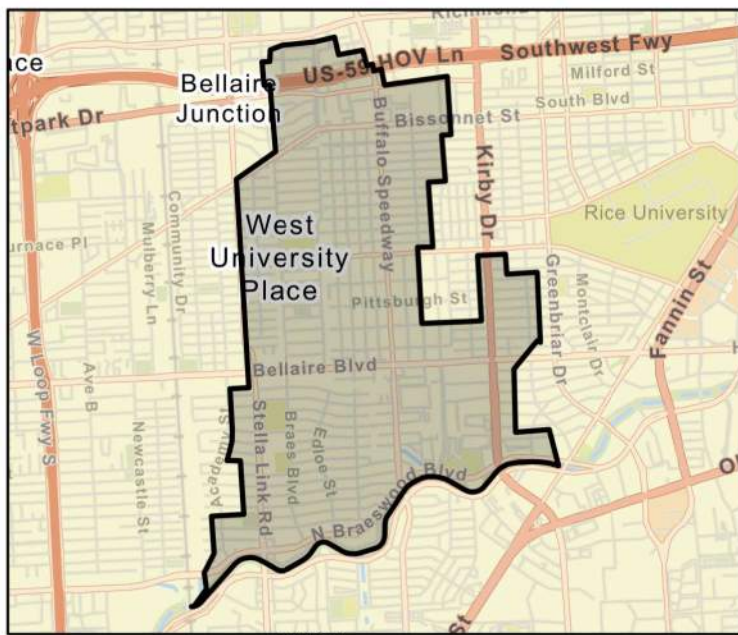
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **37**

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

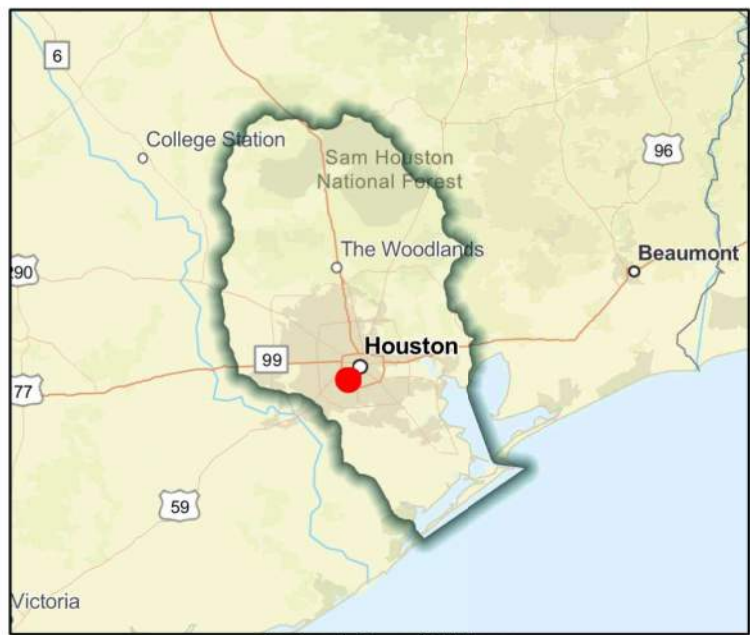
Estimated Cost and Funding Availability

Total Cost **\$690,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Brays Bayou Restore Channel Conveyance Capacity Along D115-00-00**

ID# **061000187**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of channel improvements from partnership project to restore channel conveyance including Atlas 14 rainfalls.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040401**

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

100-Year Flood Risk Summary

Population at risk **34,583** # of structures **5,579** Critical facilities **75**

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

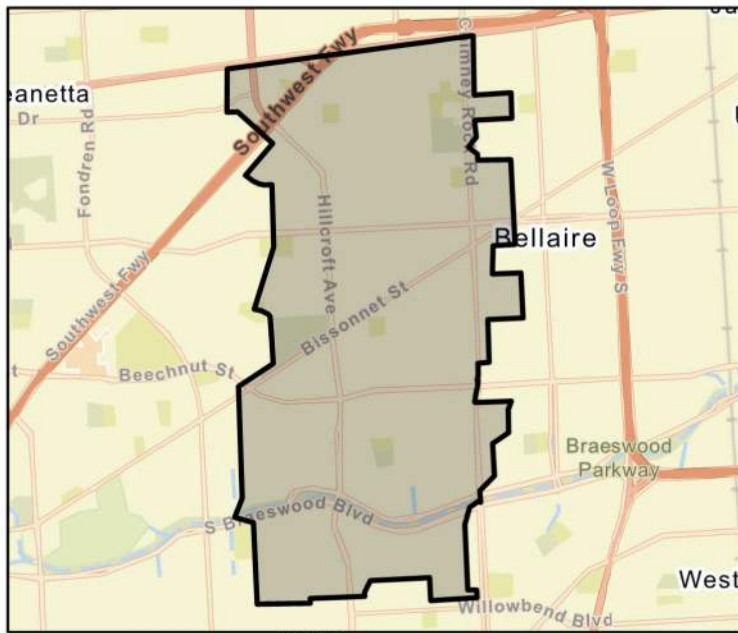
Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **59**

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

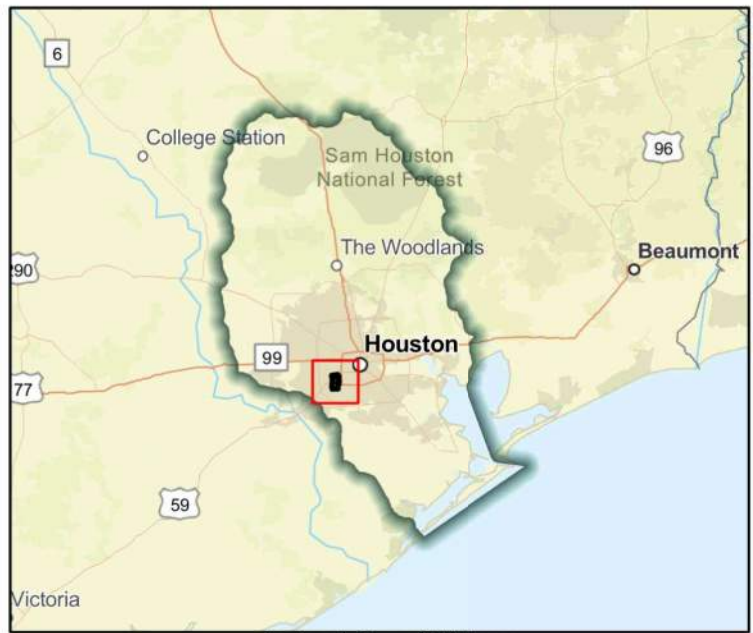
Estimated Cost and Funding Availability

Total Cost **\$1,020,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Brays Bayou Watershed Study**

ID# **061000180**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Watershed wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **Yes** Existing/Anticipated models in near term? **Yes**

County **Fort Bend,Harris** Watershed HUC# (if known) **120401040703,120401040402,120401040305,120401040303,120401040**

Drainage area (Square miles, est.) **128** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **361,848** # of structures **40,950** Critical facilities **594**

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

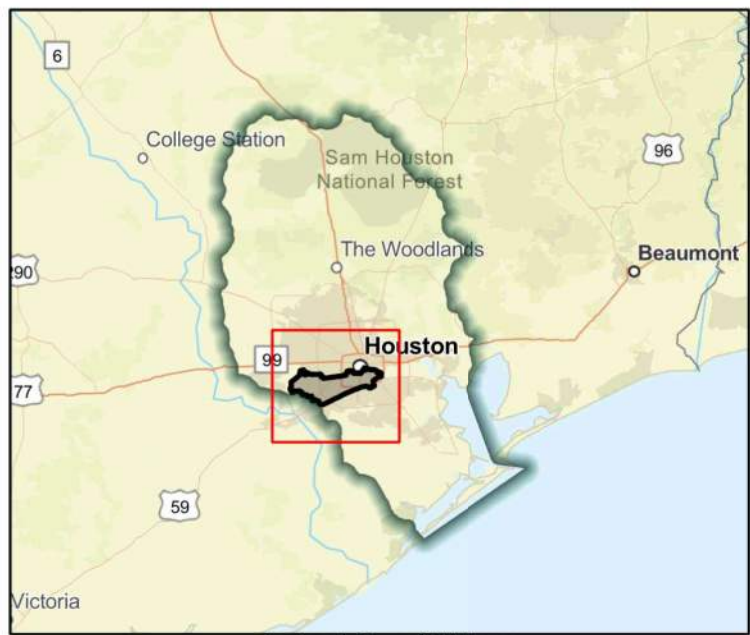
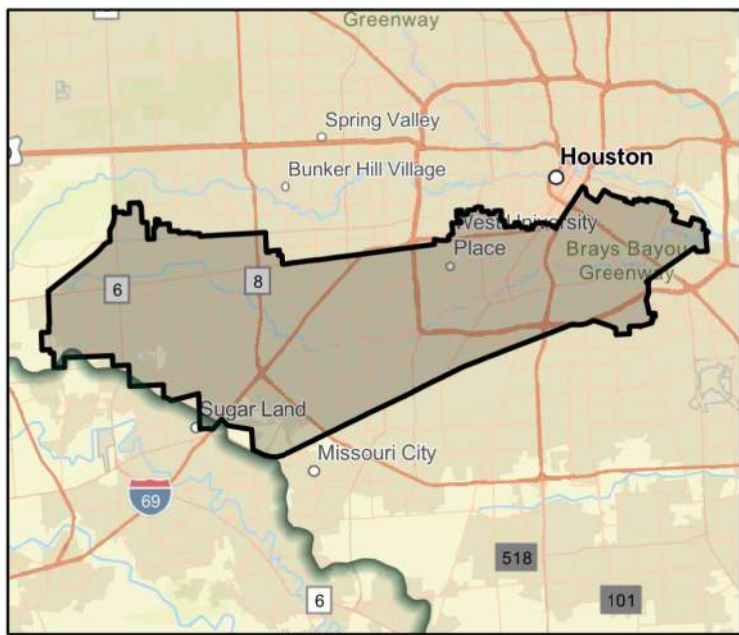
Farm/Ranch land impacted (acres) **45** Roadway(s) impacted (length) **537**

Number of low water crossings **2** Historical road closures **2**

Estimated Cost and Funding Availability

Total Cost **\$620,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



Flood Management Evaluation (FME)



Title **Brazoria County Camp Mohawk County Park Development**

ID# **061000440**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop Benefit Cost Analysis in support of the purchase of approximately 160 acres of flood prone area adjacent to and surrounding Camp Mohawk County Park to be used as open space.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Brazoria** Watershed HUC# (if known) **120402040300,120402040200,120402040400,120402040100**

Drainage area (Square miles, est.) **1,482** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **65,547** # of structures **18,848** Critical facilities **248**

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

Farm/Ranch land impacted (acres) **8,584** Roadway(s) impacted (length) **328**

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

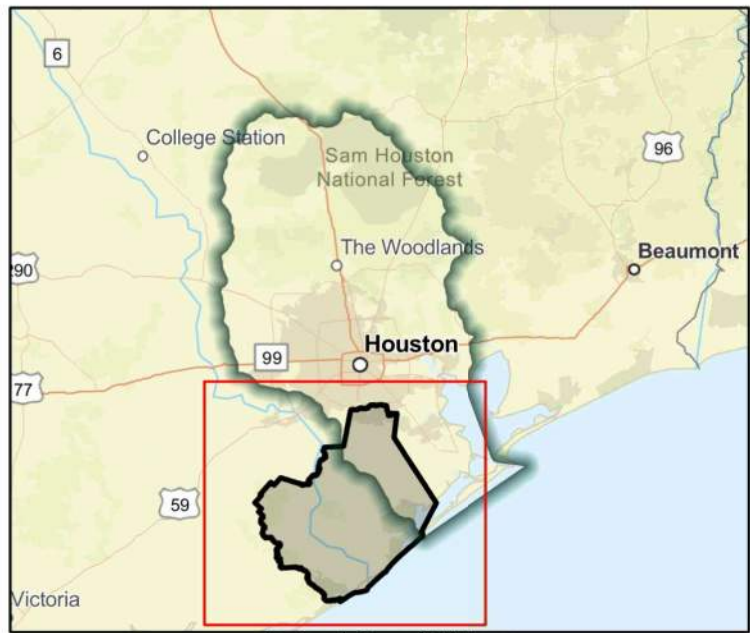
Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Brazoria County Coastal River Flood Extent Analysis**

ID# **061000038**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to determine flood extents, in Brazoria County, of recent hurricane disasters, by analyzing the post event aerial imagery through a GIS image classification process, and compare the flood extent area to other sources, such as LIDAR.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Brazoria** Watershed HUC# (if known) **120402040300,120402040200,120402040400,120402040100**

Drainage area (Square miles, est.) **1,482** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **65,547** # of structures **18,848** Critical facilities **248**

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

Farm/Ranch land impacted (acres) **8,584** Roadway(s) impacted (length) **328**

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

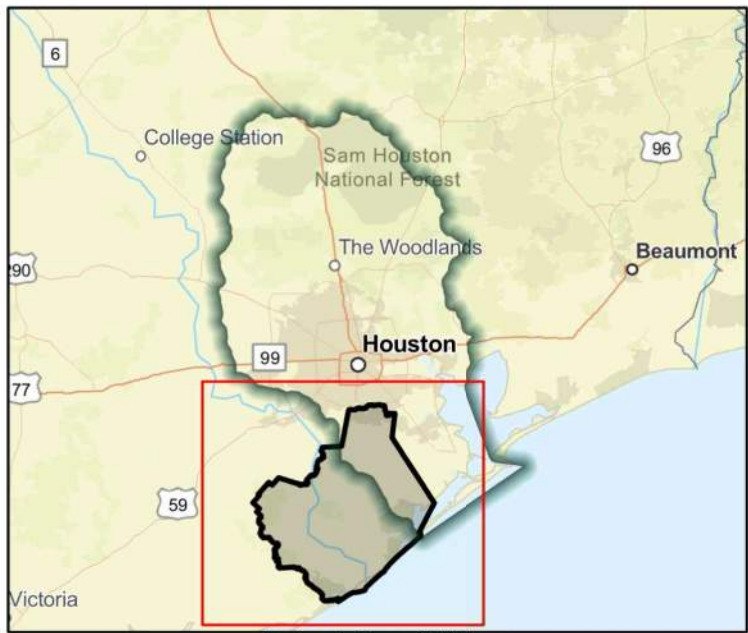
Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Brazoria County Drainage Improvements**

ID# **061000046**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Drainage study needed and evaluated of alternatives include: Widen and reshape drainage ditches, and upgrade culverts to restore adequate drainage to mitigate flooding.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Brazoria** Watershed HUC# (if known) **120402040300,120402040200,120402040400,120402040100**

Drainage area (Square miles, est.) **1,482** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **65,547** # of structures **18,848** Critical facilities **248**

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

Farm/Ranch land impacted (acres) **8,584** Roadway(s) impacted (length) **328**

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

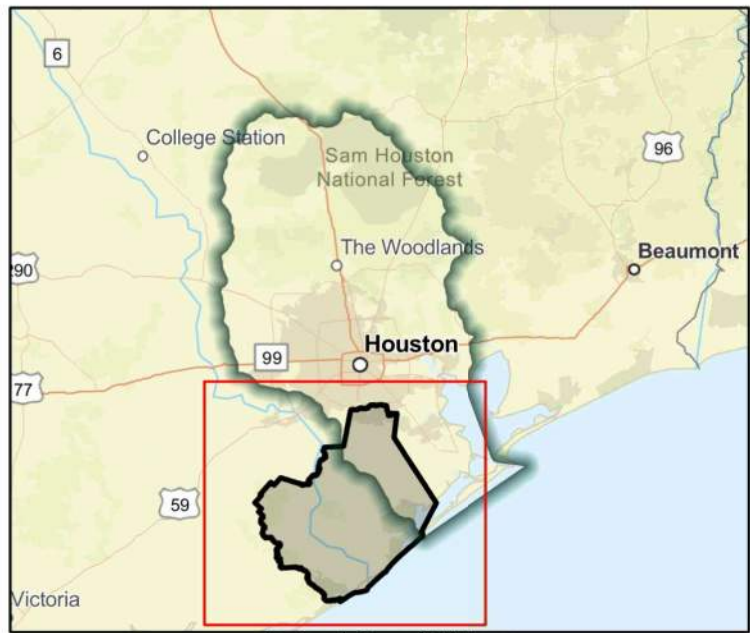
Estimated Cost and Funding Availability

Total Cost **\$350,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Brazoria County Property Protection**

ID# **061000048**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study required to assess alternatives to restore drainage and mitigate flooding throughout the county.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Brazoria** Watershed HUC# (if known) **120402040300,120402040200,120402040400,120402040100**

Drainage area (Square miles, est.) **1,482** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **65,547** # of structures **18,848** Critical facilities **248**

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

Farm/Ranch land impacted (acres) **8,584** Roadway(s) impacted (length) **328**

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

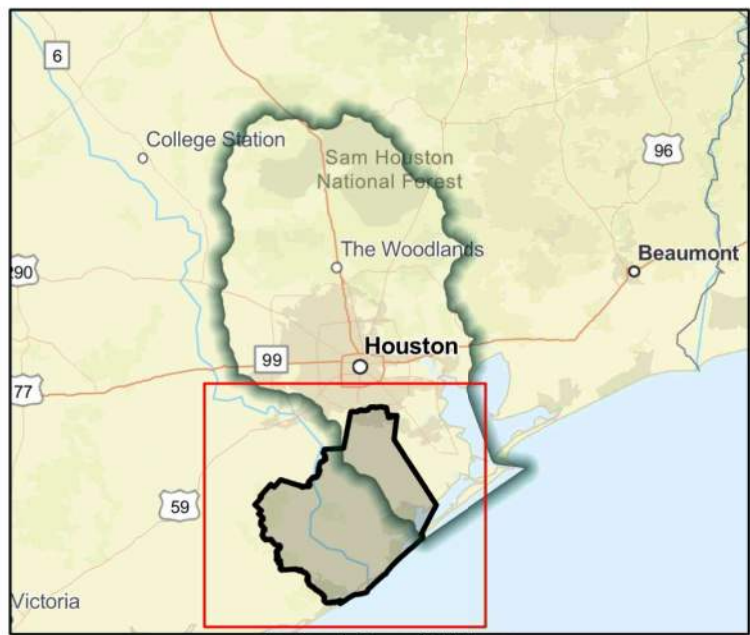
Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Brazoria Flood Mapping Updates**

ID# **061000301**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

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

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Brazoria** Watershed HUC# (if known) **120402040300,120402040200,120402040400,120402040100**

Drainage area (Square miles, est.) **1,482** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **65,547** # of structures **18,848** Critical facilities **248**

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

Farm/Ranch land impacted (acres) **8,584** Roadway(s) impacted (length) **328**

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

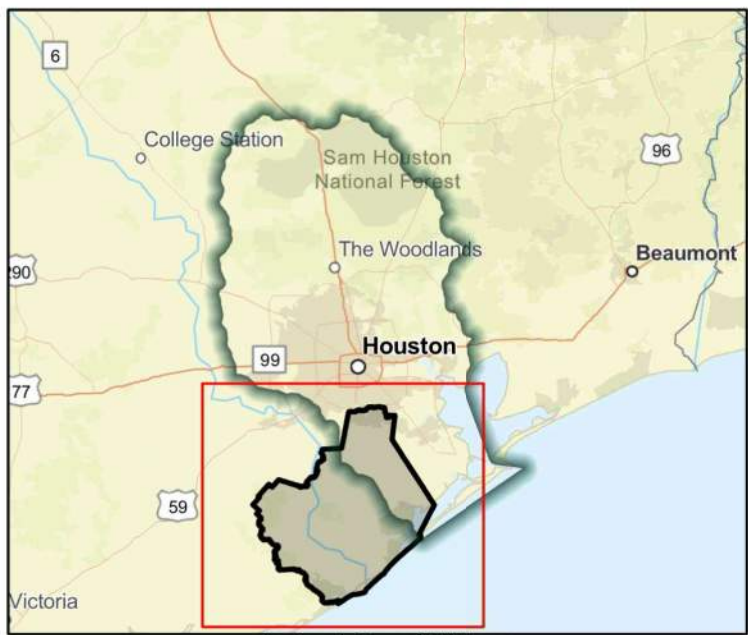
Estimated Cost and Funding Availability

Total Cost **\$6,440,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Bridgewater Village & Enclave at Bridgewater Drainage Analysis**

ID# **061000026**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Alternative analysis and assessment of additional protection of basin needed during design to control flows for 100-yr event.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040203**

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

100-Year Flood Risk Summary

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

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

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

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

Estimated Cost and Funding Availability

Total Cost **\$750,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Buffalo Bayou - W130-00-00**

ID# **061000220**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of 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? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040305,120401040303**

Drainage area (Square miles, est.) **3** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **4,290** # of structures **27** Critical facilities **0**

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

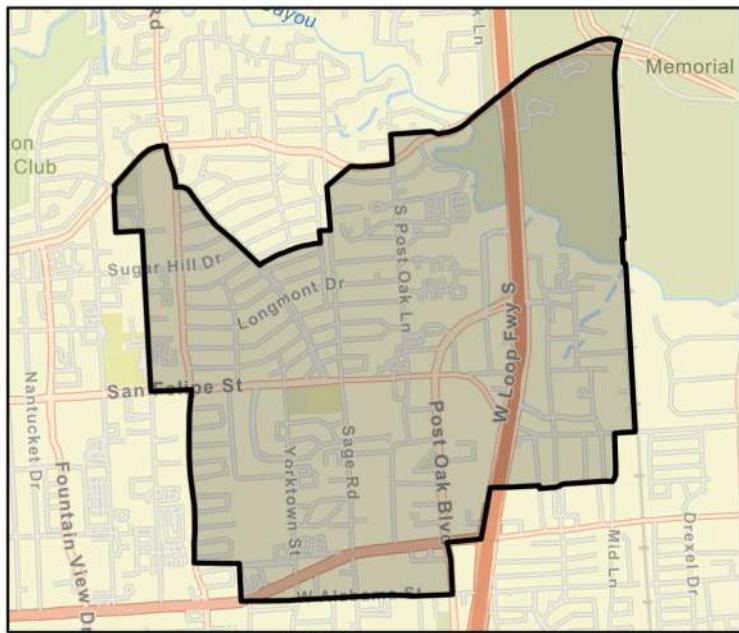
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **1**

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

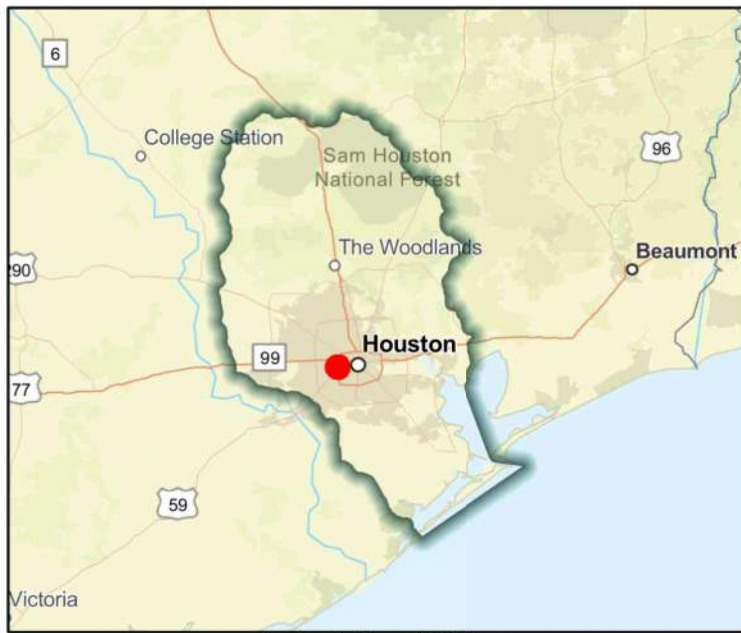
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Buffalo Bayou - W158-00-00**

ID# **061000219**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of 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? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040303**

Drainage area (Square miles, est.) **3** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **311** # of structures **72** Critical facilities **0**

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

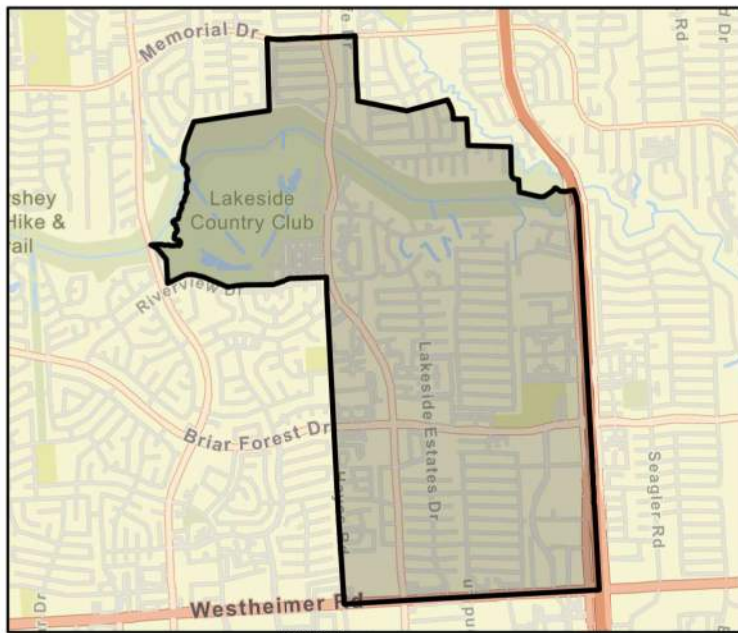
Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **1**

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

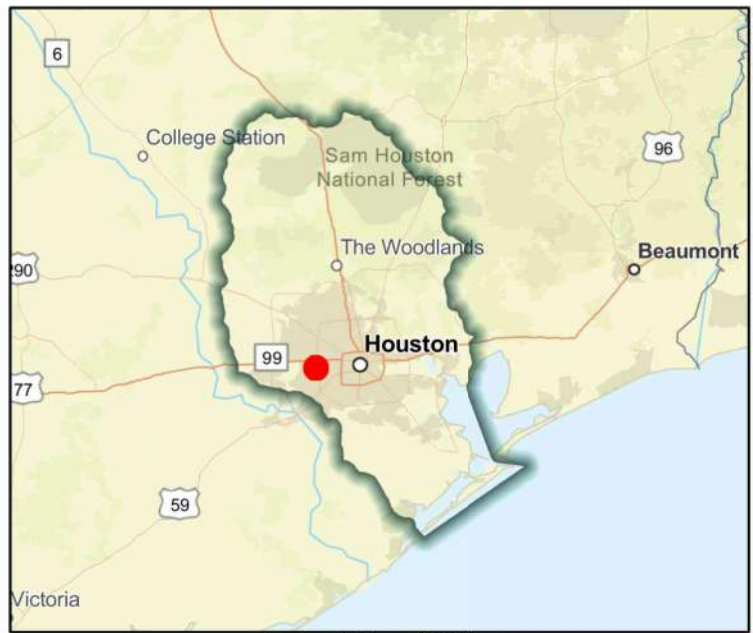
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Buffalo Bayou - W163-00-00**

ID# **061000221**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of 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? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040303**

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

100-Year Flood Risk Summary

Population at risk **226** # of structures **70** Critical facilities **0**

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

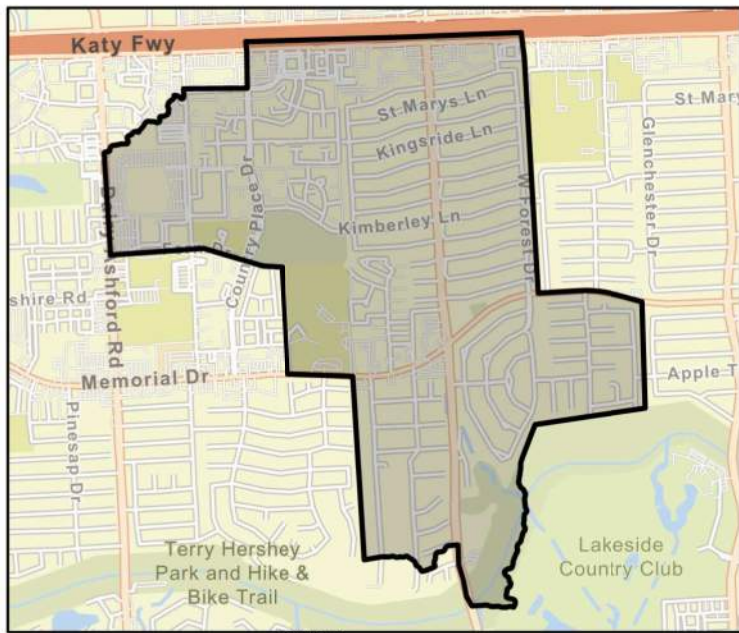
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **1**

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

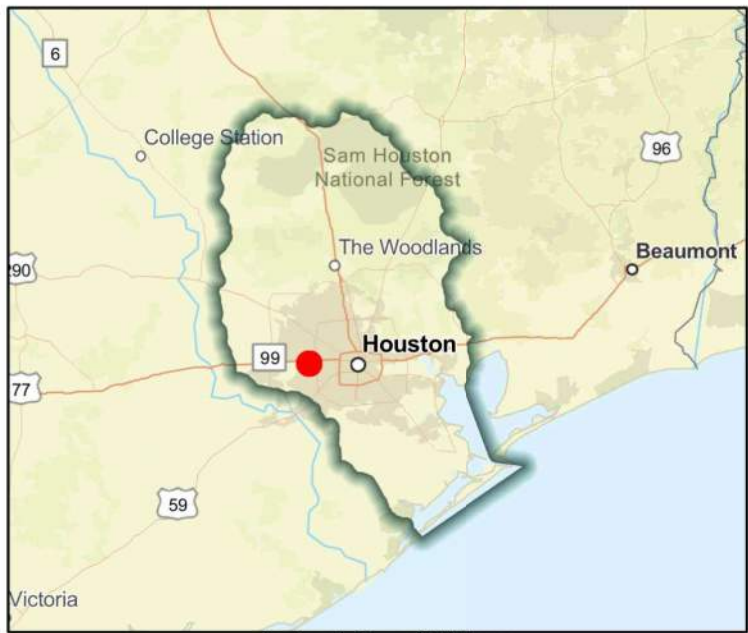
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Buffalo Bayou Watershed Study**

ID# **061000179**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Watershed wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **Yes** Existing/Anticipated models in near term? **Yes**

County **Fort Bend,Harris** Watershed HUC# (if known) **120401040703,120401040402,120401040104,120401040305,120401040**

Drainage area (Square miles, est.) **102** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **44,477** # of structures **1,999** Critical facilities **34**

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

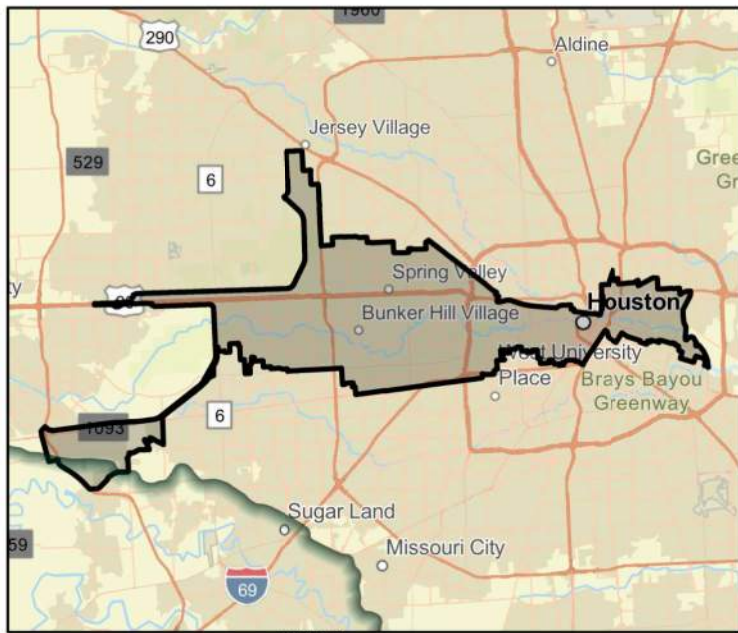
Farm/Ranch land impacted (acres) **18** Roadway(s) impacted (length) **39**

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

Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Cable - Alligator Creek Watershed**

ID# **061000450**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

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

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

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

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

100-Year Flood Risk Summary

Population at risk **3,099** # of structures **516** Critical facilities **2**

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

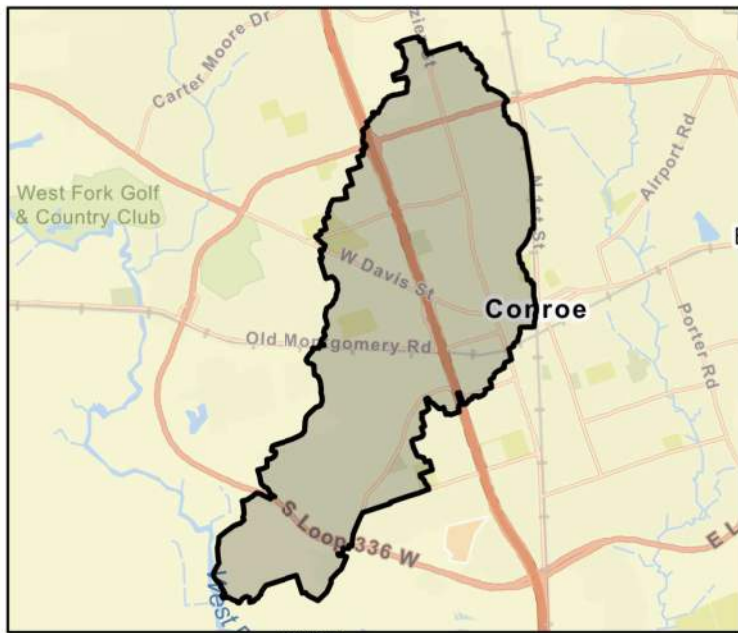
Farm/Ranch land impacted (acres) **2** Roadway(s) impacted (length) **10**

Number of low water crossings **9** Historical road closures **9**

Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Cane Island Branch- Alt 1**

ID# **061000152**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of 2,800 ac-ft detention upstream of Pitts road.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Fort Bend,Harris,Waller** Watershed HUC# (if known) **120401040102,120401040103,120401040104,120401040101,120401040**

Drainage area (Square miles, est.) **15** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **2,216** # of structures **546** Critical facilities **8**

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

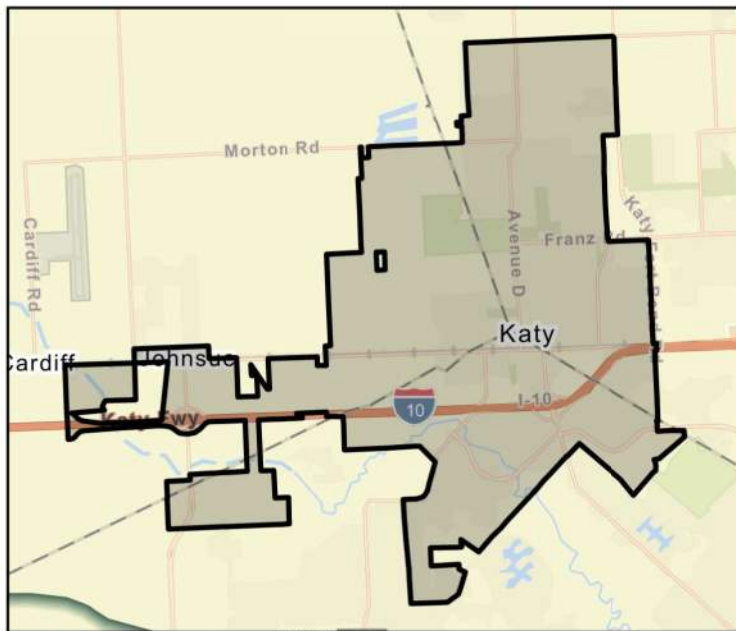
Farm/Ranch land impacted (acres) **22** Roadway(s) impacted (length) **10**

Number of low water crossings **4** Historical road closures **4**

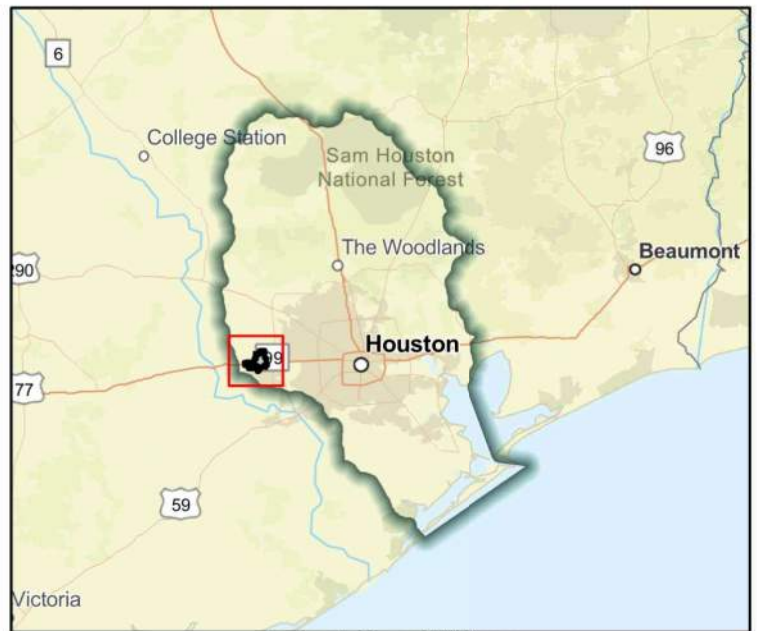
Estimated Cost and Funding Availability

Total Cost **\$180,000** Amount of Available Funding **45000** Federal funding availability **Yes**

Funding source **General Revenue**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Cane Island Branch- Alt 2**

ID# **061000085**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study and FMP development of proposed channel modifications to Cane Island Branch including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Fort Bend,Harris,Waller** Watershed HUC# (if known) **120401040102,120401040103,120401040104,120401040101,120401040**

Drainage area (Square miles, est.) **15** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **2,216** # of structures **546** Critical facilities **8**

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

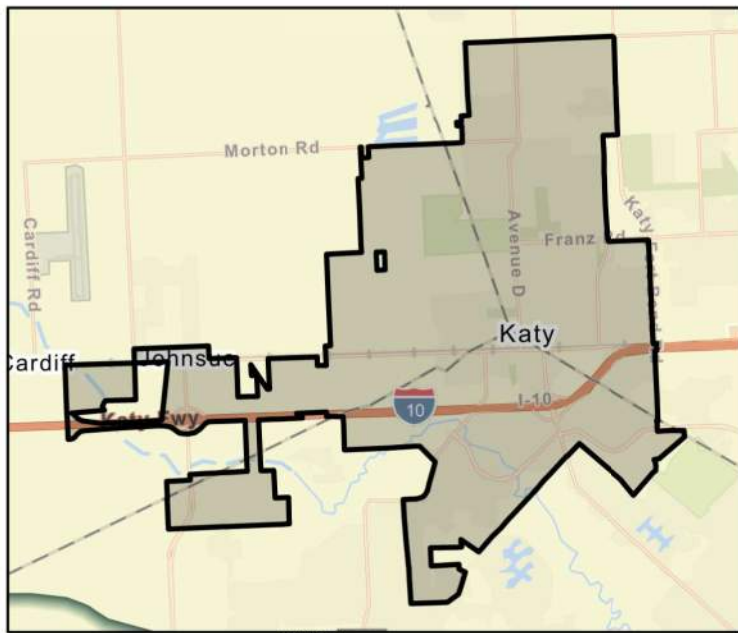
Farm/Ranch land impacted (acres) **22** Roadway(s) impacted (length) **10**

Number of low water crossings **4** Historical road closures **4**

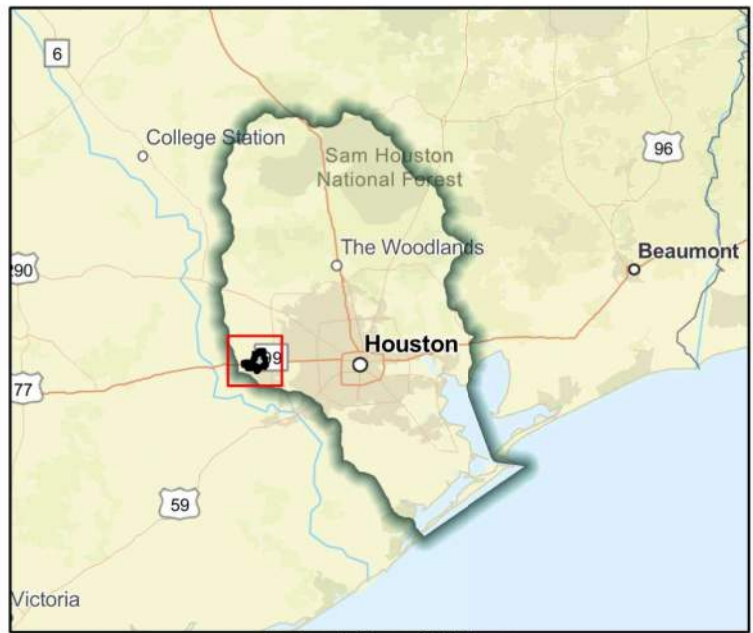
Estimated Cost and Funding Availability

Total Cost **\$3,270,000** Amount of Available Funding **327000** Federal funding availability **Yes**

Funding source **General Revenue**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Cannon Ditch Segment 2**

ID# **061000054**

Sponsor (name of entity, not person) **Brazoria Drainage District 4**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Brazoria** Watershed HUC# (if known) **120402040200,120402040100**

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

100-Year Flood Risk Summary

Population at risk **814** # of structures **574** Critical facilities **0**

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

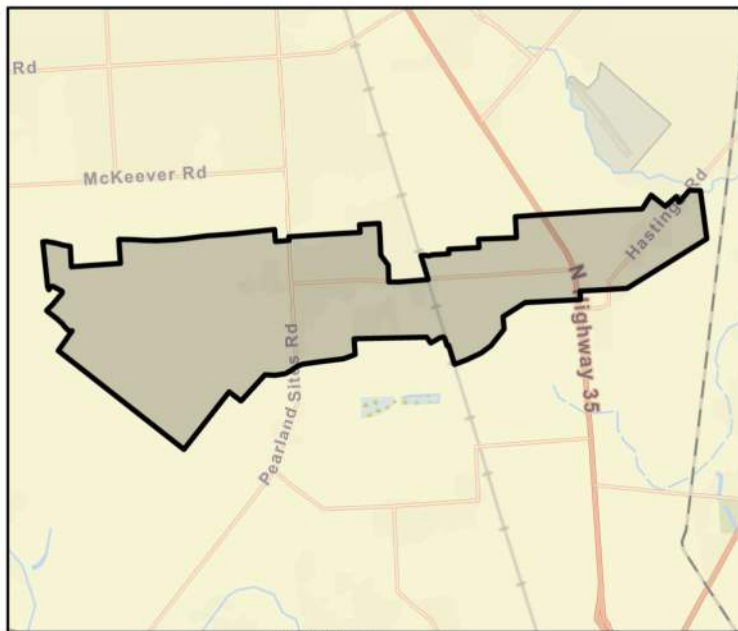
Farm/Ranch land impacted (acres) **27** Roadway(s) impacted (length) **3**

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

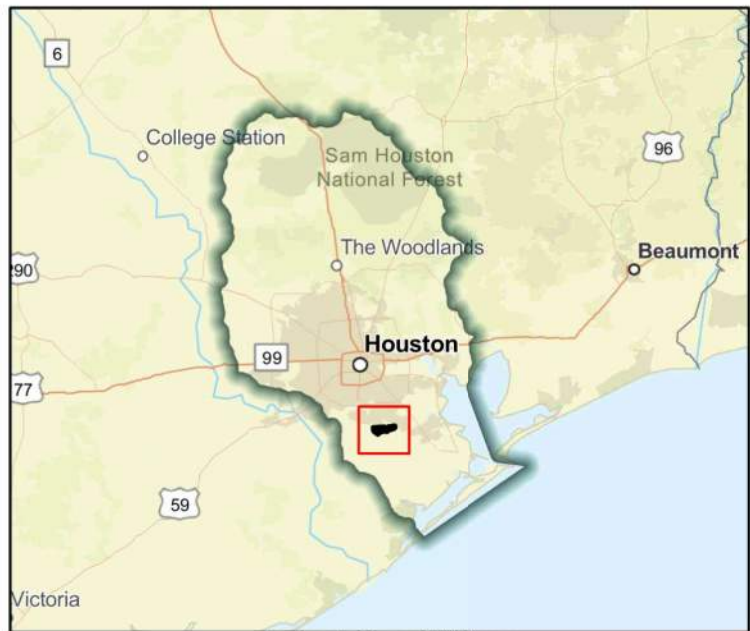
Estimated Cost and Funding Availability

Total Cost **\$932,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Carpenters (N100-00-00) Channel Improvements**

ID# **061000402**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Cost Benefit Analysis and elevate the project to a FMP. Carpenters Bayou (N100-00-00) channel conveyance improvements.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040702**

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

100-Year Flood Risk Summary

Population at risk **531** # of structures **153** Critical facilities **3**

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

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

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

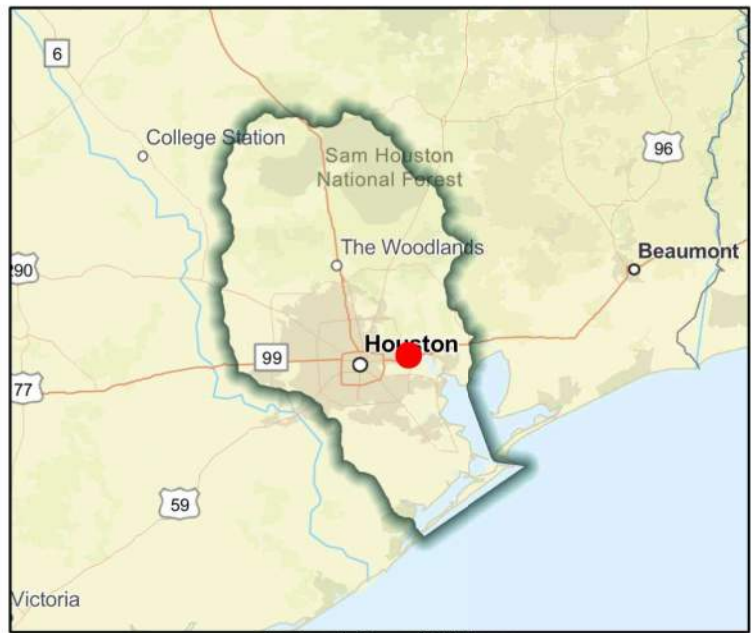
Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Carpenters Bayou (West Acres, Shadowglen & Old River Terrace Neighborhood)**

ID# **061000464**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study to develop a BCA required to elevate project to FMP. The project is to reduce flooding in the Problem Area #5 identified by the Carpenters Bayou Watershed Planning Project Report, 2021.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401010502,120401040605,120401040703,120401040705,120401040**

Drainage area (Square miles, est.) **31** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **4,689** # of structures **812** Critical facilities **24**

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

Farm/Ranch land impacted (acres) **96** Roadway(s) impacted (length) **19**

Number of low water crossings **2** Historical road closures **2**

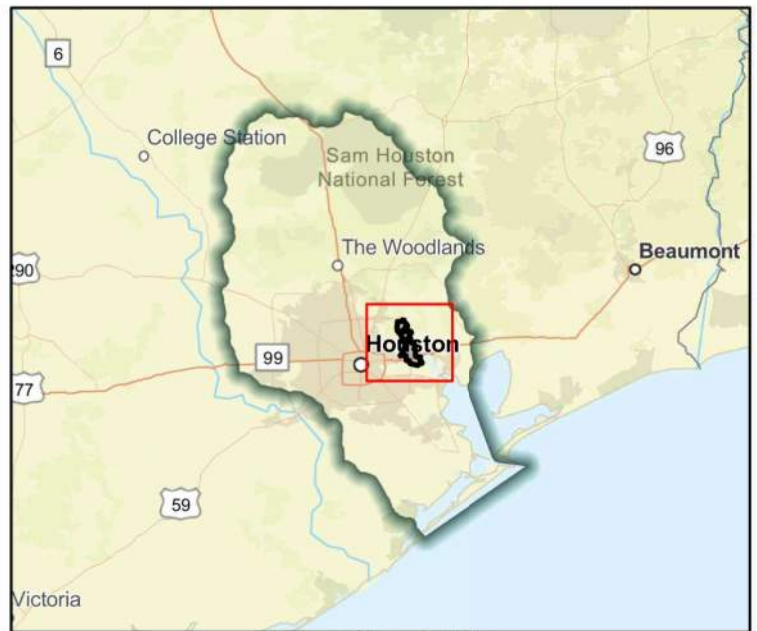
Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Carpenters Planing Study Cloverleaf Community Flood Risk Reduction Project (Phase 1 and 2)**

ID# **061000333**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a BCR required for this project to become a FMP. Drainage system upgrade using combination of 9'x7' RCB spanning 3,000' and a 109 acre-feet detention facility providing drainage relief for this portion of the Cloverleaf Community.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040702,120401040606**

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

100-Year Flood Risk Summary

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

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

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

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

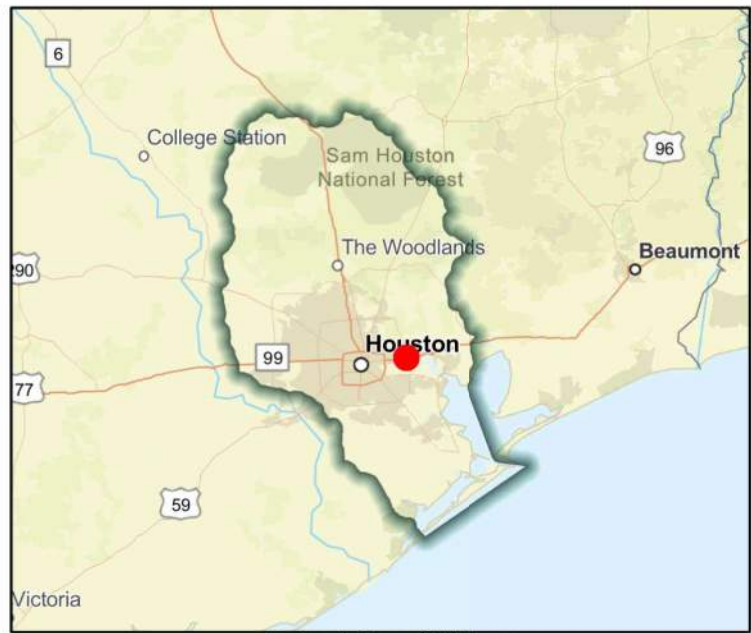
Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Carpenters Planing Study N110-00-00 Diversion to P103-00/P103-03**

ID# **061000174**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Feasibility study needed to evaluate a designed interconnection to lower Greens Bayou.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Harris** Watershed HUC# (if known) **120401010502,120401040605,120401040703,120401040705,120401040**

Drainage area (Square miles, est.) **31** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **4,689** # of structures **812** Critical facilities **24**

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

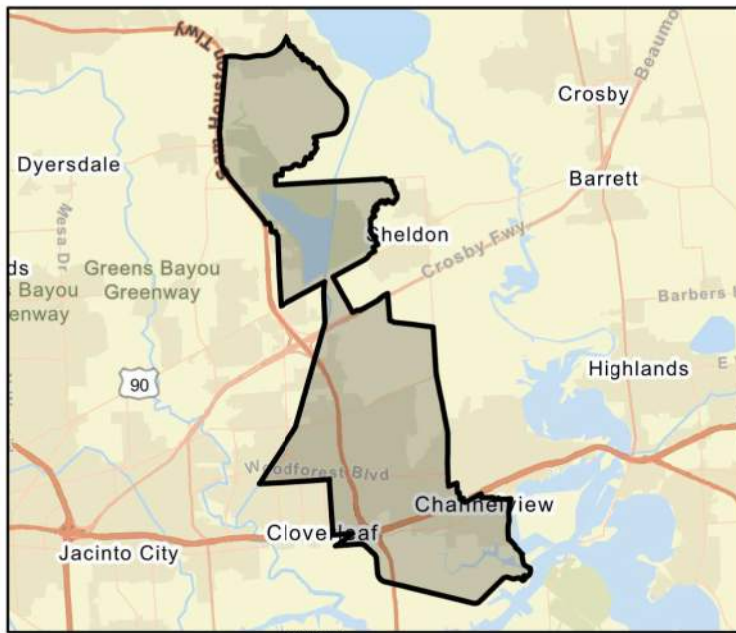
Farm/Ranch land impacted (acres) **96** Roadway(s) impacted (length) **19**

Number of low water crossings **2** Historical road closures **2**

Estimated Cost and Funding Availability

Total Cost **\$1,200,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Catalina**

ID# **061000465**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a BCR and other data needed to elevate project to a FMP. FIF application information unavailable.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

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

Drainage area (Square miles, est.) **262** 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? **No** Local? **Yes** Playa? **No** Other? **No**

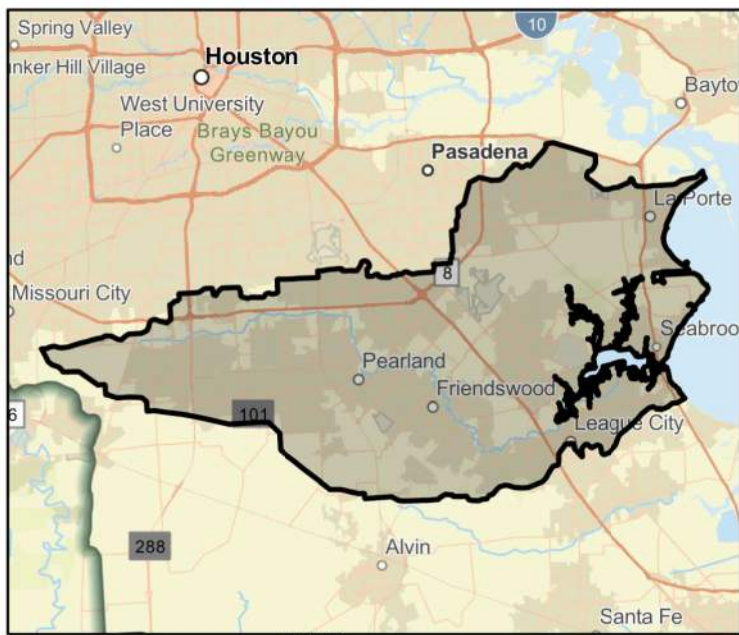
Farm/Ranch land impacted (acres) **597** Roadway(s) impacted (length) **578**

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

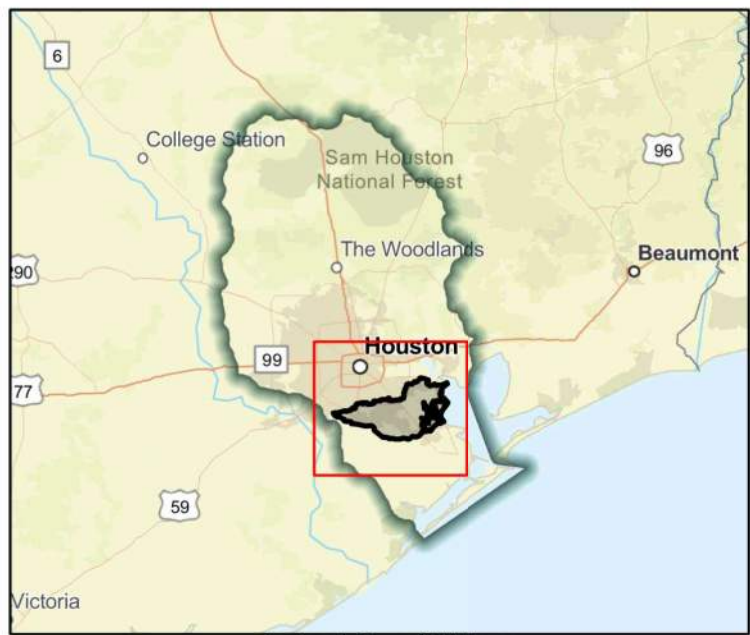
Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Cedar Bayou Flood Risk Reduction Study - Channel improvements from US 90 to FM 1942

ID# 061000376

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

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou channel improvements from US 90 to FM 1942.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Chambers,Harris,Liberty Watershed HUC# (if known) 120401030205,120401040705,120401040706,120401040704,120402030

Drainage area (Square miles, est.) 47 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 345 # of structures 228 Critical facilities 0

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

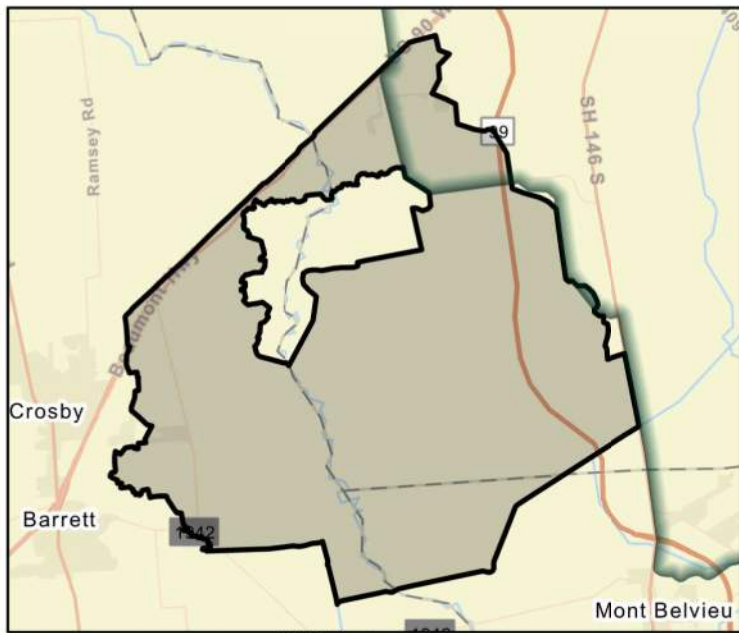
Farm/Ranch land impacted (acres) 892 Roadway(s) impacted (length) 12

Number of low water crossings 0 Historical road closures 0

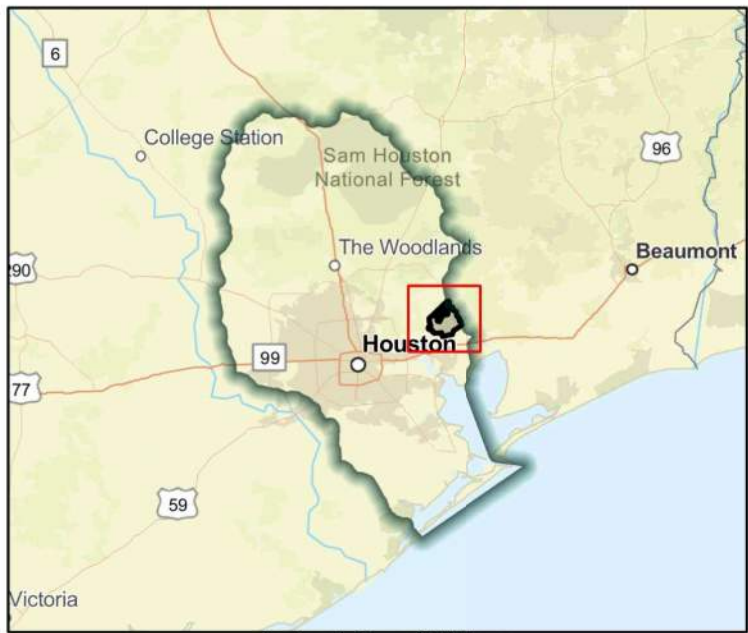
Estimated Cost and Funding Availability

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

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Cedar Bayou Flood Risk Reduction Study - Channel improvements upstream of FM 1960

ID# 061000379

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

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou channel improvements upstream of FM 1960.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris,Liberty Watershed HUC# (if known) 120401030205,120401040705,120401040706,120401040704,120402030

Drainage area (Square miles, est.) 23 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 147 # of structures 75 Critical facilities 0

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

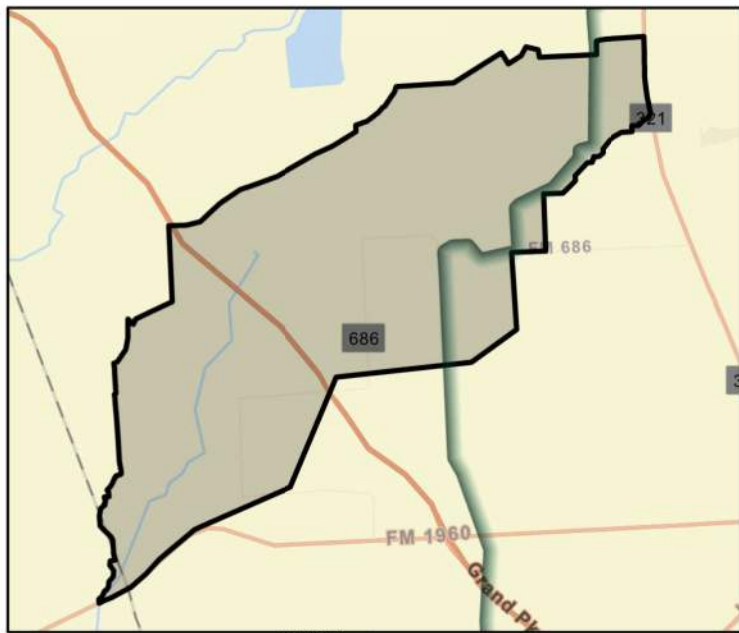
Farm/Ranch land impacted (acres) 463 Roadway(s) impacted (length) 5

Number of low water crossings 0 Historical road closures 0

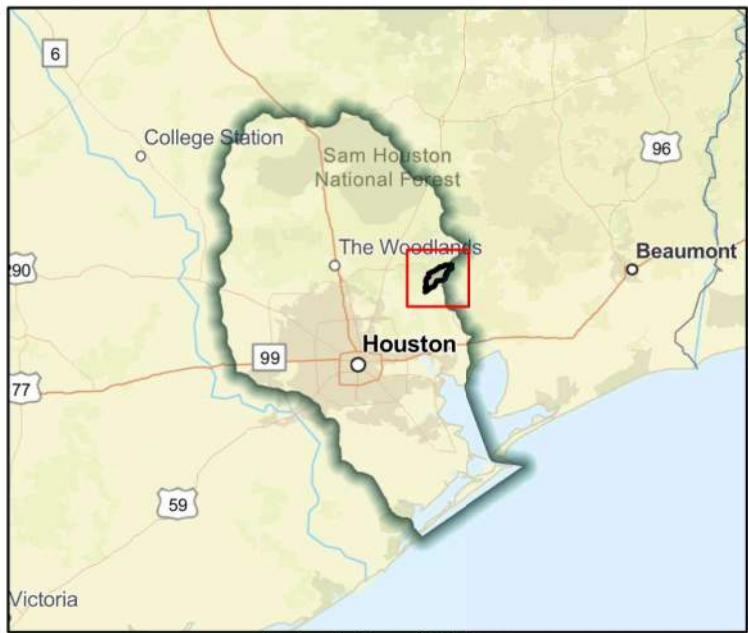
Estimated Cost and Funding Availability

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

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou (Q100-00-00)

ID# 061000369

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

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Chambers,Harris Watershed HUC# (if known) 120401040706,120402030105,120402030106

Drainage area (Square miles, est.) 19 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 1,274 # of structures 319 Critical facilities 0

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

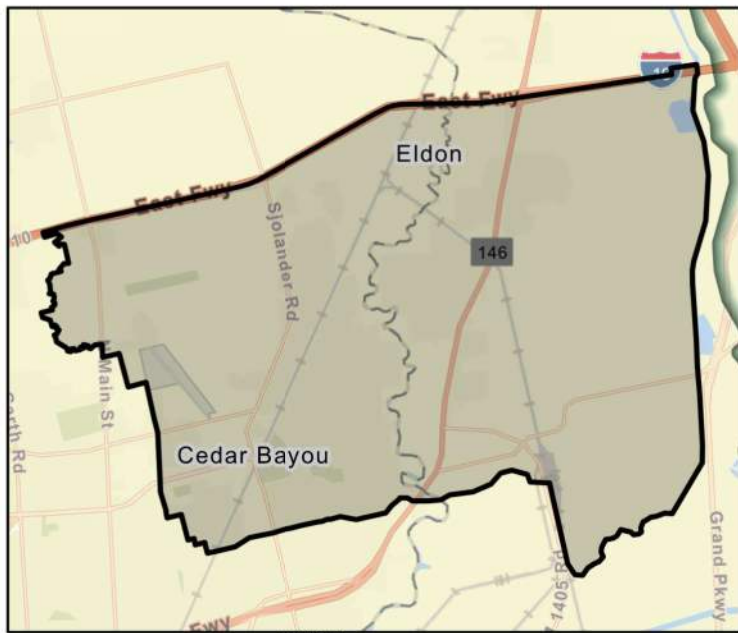
Farm/Ranch land impacted (acres) 25 Roadway(s) impacted (length) 5

Number of low water crossings 0 Historical road closures 0

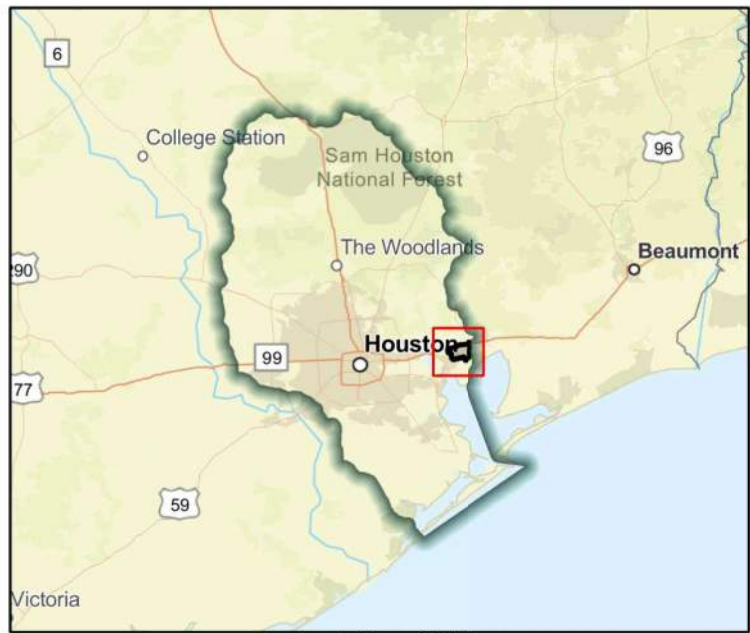
Estimated Cost and Funding Availability

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

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou (Q100-00-00)

ID# 061000367

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

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Chambers,Harris Watershed HUC# (if known) 120401040706,120402030106,120402030200

Drainage area (Square miles, est.) 28 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 1,046 # of structures 230 Critical facilities 7

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

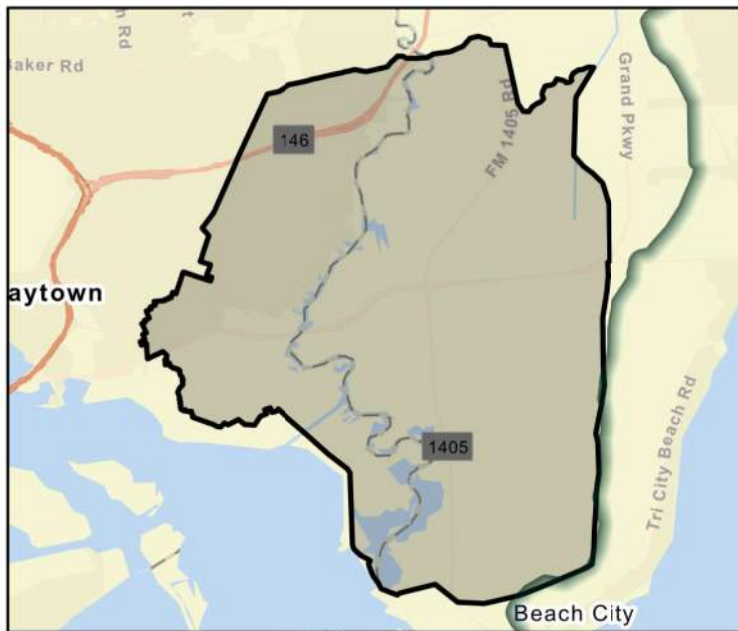
Farm/Ranch land impacted (acres) 47 Roadway(s) impacted (length) 8

Number of low water crossings 0 Historical road closures 0

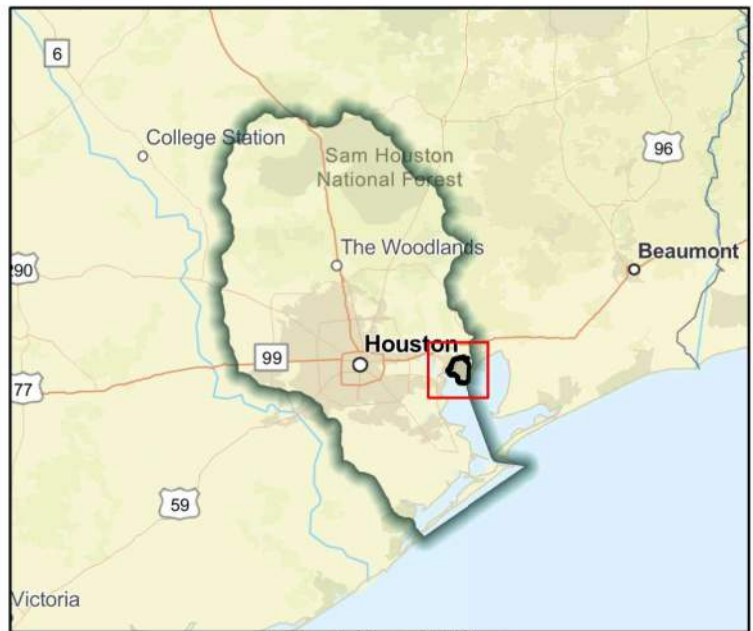
Estimated Cost and Funding Availability

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

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Cedar Bayou Flood Risk Reduction Study - Q128 Channel Improvements from US 90 to Q100 Confluence

ID# 061000374

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

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou channel improvements from US 90 to Confluence with Q100.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401030205,120401040705,120401040706,120401040704,120402030

Drainage area (Square miles, est.) 5

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 199

of structures 142

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 161

Roadway(s) impacted (length) 6

Number of low water crossings 0

Historical road closures 0

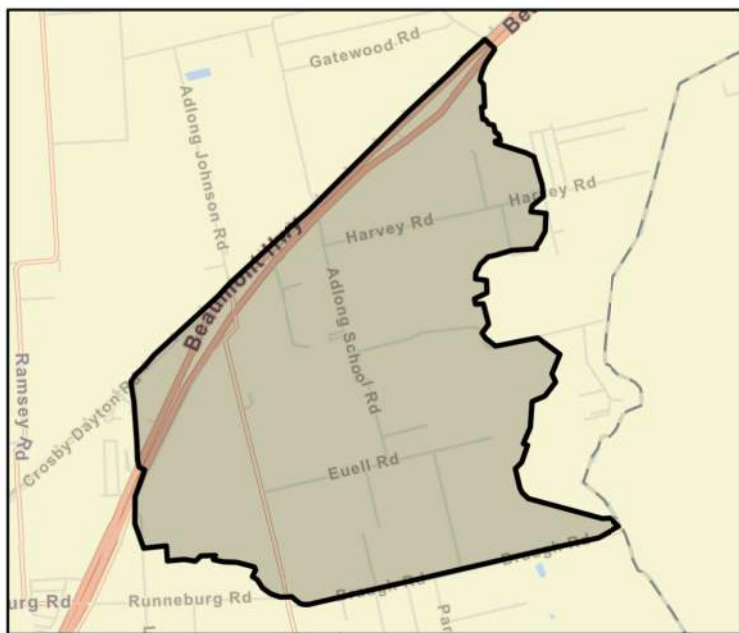
Estimated Cost and Funding Availability

Total Cost \$30,000

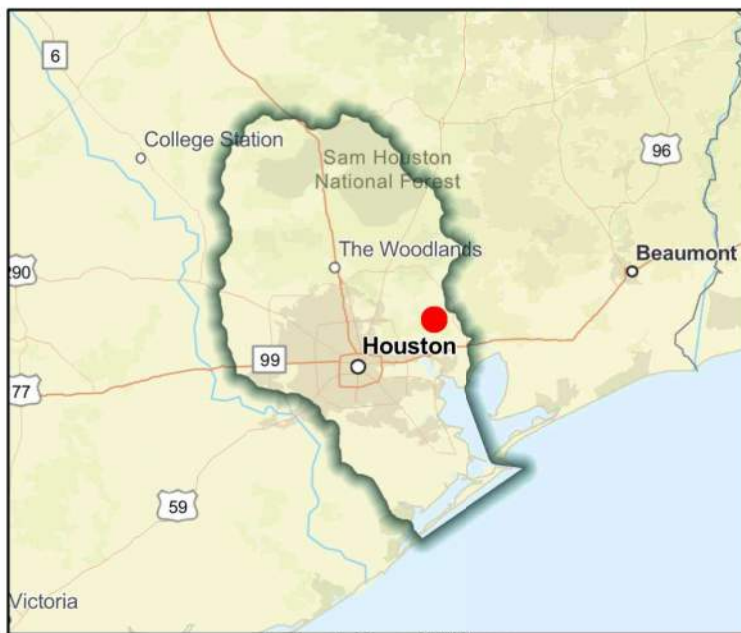
Amount of Available Funding -

Federal funding availability Yes

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence

ID# 061000368

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

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris,Liberty Watershed HUC# (if known) 120401030205,120401040705,120401040706,120401040704,120402030

Drainage area (Square miles, est.) 4 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 241 # of structures 174 Critical facilities 0

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

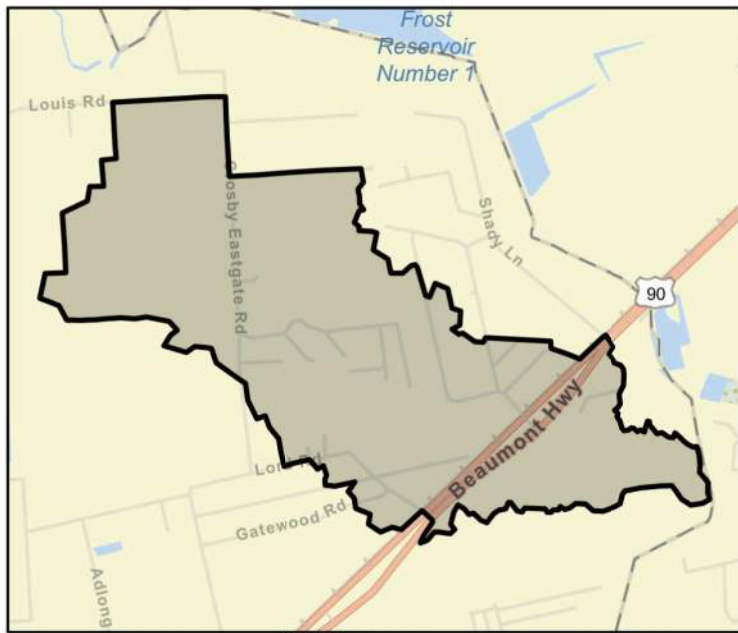
Farm/Ranch land impacted (acres) 141 Roadway(s) impacted (length) 3

Number of low water crossings 0 Historical road closures 0

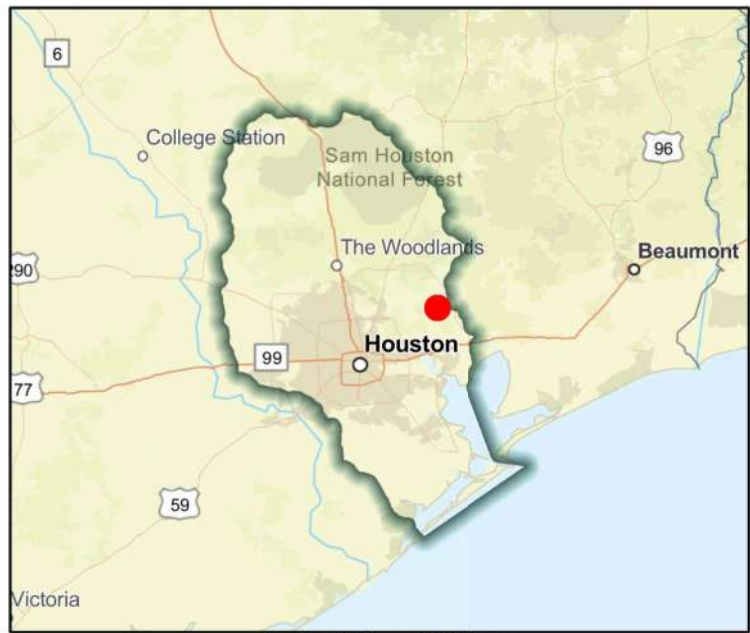
Estimated Cost and Funding Availability

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

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Chambers County Dam and Levee Failure Inundation Map Update

ID# 061000042

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

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Watershed Planning

Study description Further study for all participating jurisdiction to update dam and levee failure inundation maps, and update floodplain and floodway maps throughout the county. The updated maps will also be made available to the public.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Chambers Watershed HUC# (if known) 120402030105,120402030104,120402030106,120402030200

Drainage area (Square miles, est.) 866 Goal(s) 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk 797 # of structures 151 Critical facilities 0

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

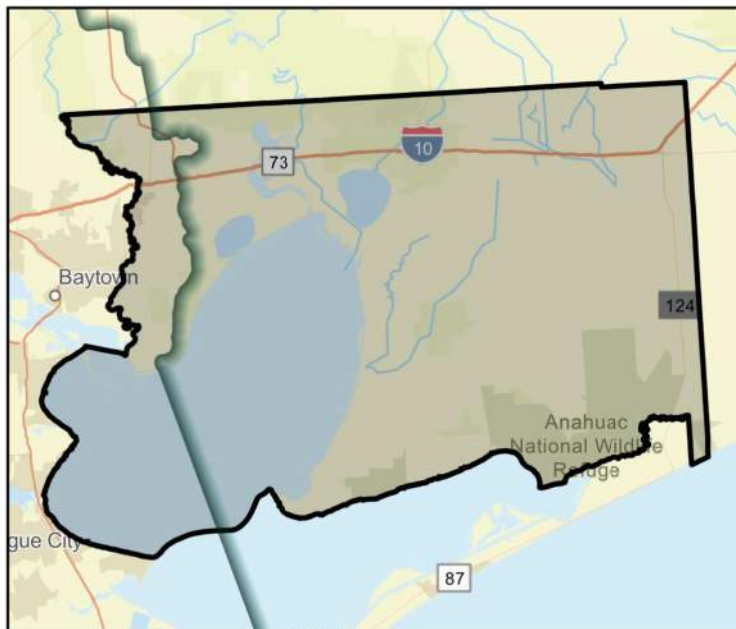
Farm/Ranch land impacted (acres) 354 Roadway(s) impacted (length) 7

Number of low water crossings 0 Historical road closures 0

Estimated Cost and Funding Availability

Total Cost \$25,000 Amount of Available Funding - Federal funding availability Yes

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Chambers County Property Protection**

ID# **061000044**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to determine flood risk reduction potential of clearing obstacles, widen and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding throughout all participating jurisdictions.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Chambers** Watershed HUC# (if known) **120402030105,120402030104,120402030106,120402030200**

Drainage area (Square miles, est.) **866** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **797** # of structures **151** Critical facilities **0**

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

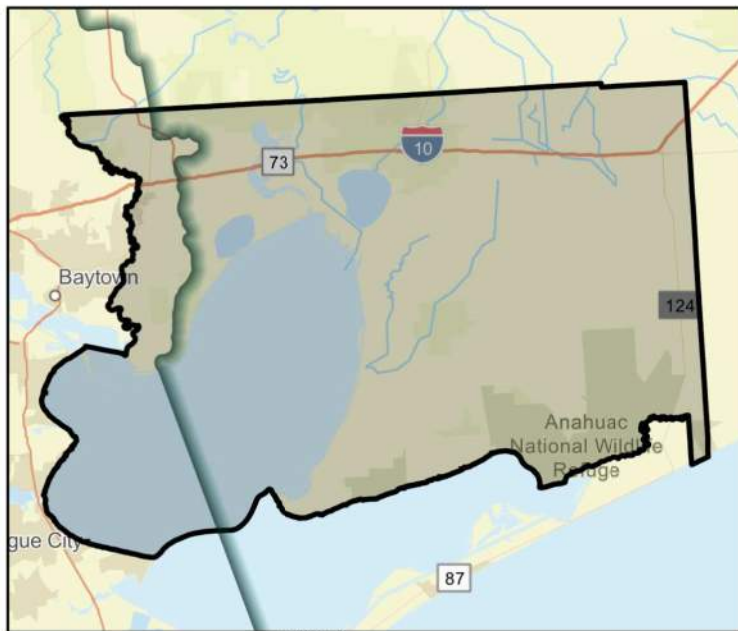
Farm/Ranch land impacted (acres) **354** Roadway(s) impacted (length) **7**

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

Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Chambers Flood Mapping Updates**

ID# **061000302**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

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

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Chambers** Watershed HUC# (if known) **120402030105,120402030104,120402030106,120402030200**

Drainage area (Square miles, est.) **866** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **797** # of structures **151** Critical facilities **0**

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

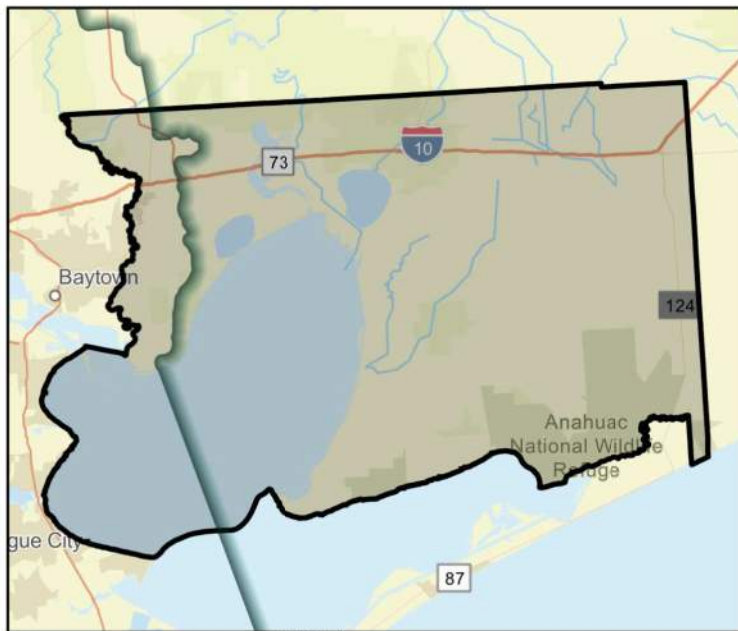
Farm/Ranch land impacted (acres) **354** Roadway(s) impacted (length) **7**

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

Estimated Cost and Funding Availability

Total Cost **\$631,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Alvin Detention Pond Construction - Mustang and Dickinson Bayou**

ID# **061000043**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further assessment and design of detention ponds needed along Mustang and Dickinson Bayous to reduce flood risk in the City of Alvin.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Brazoria, Galveston, Fort Bend** Watershed HUC# (if known) **120402040300, 120402040200, 120402040400, 120402040100**

Drainage area (Square miles, est.) **25** Goal(s) **06000001, 06000011, 06000012, 06000015**

100-Year Flood Risk Summary

Population at risk **21,569** # of structures **3,445** Critical facilities **18**

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

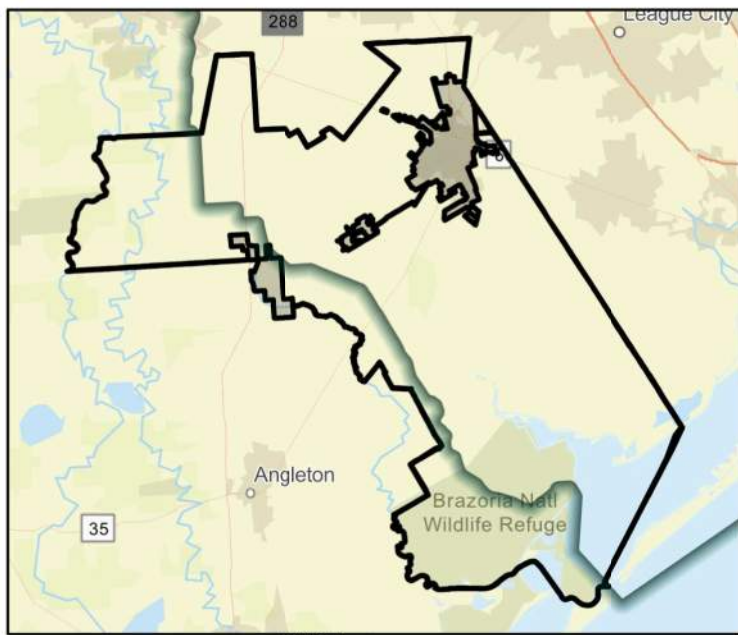
Farm/Ranch land impacted (acres) **262** Roadway(s) impacted (length) **57**

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

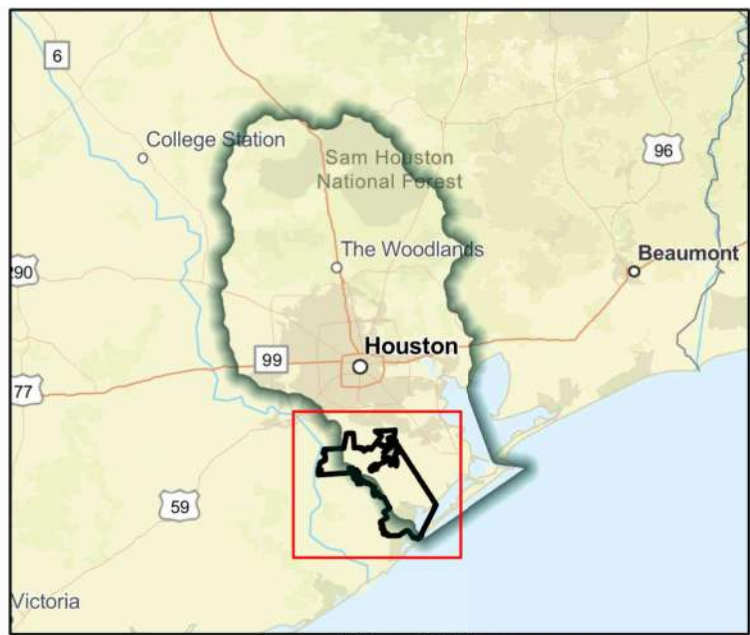
Estimated Cost and Funding Availability

Total Cost **\$200,000** Amount of Available Funding **50000** Federal funding availability **Yes**

Funding source **Entity/ Budget Funds**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

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

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

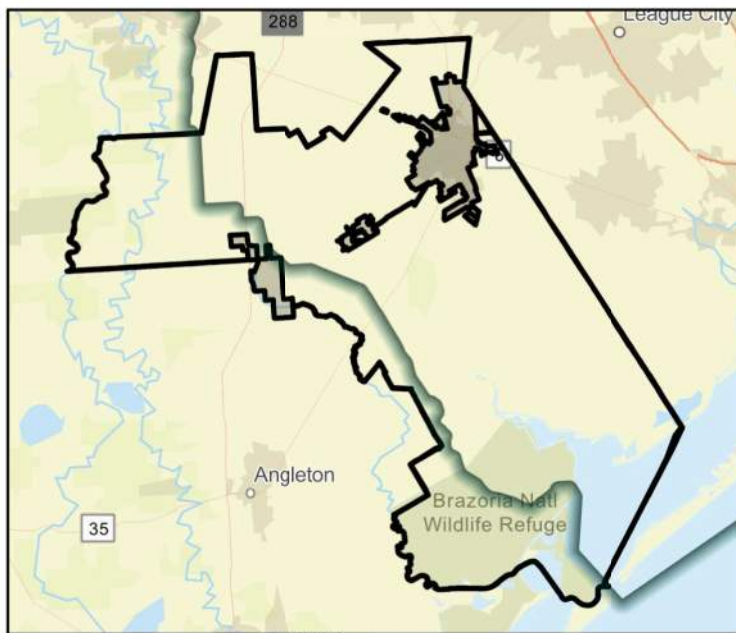
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

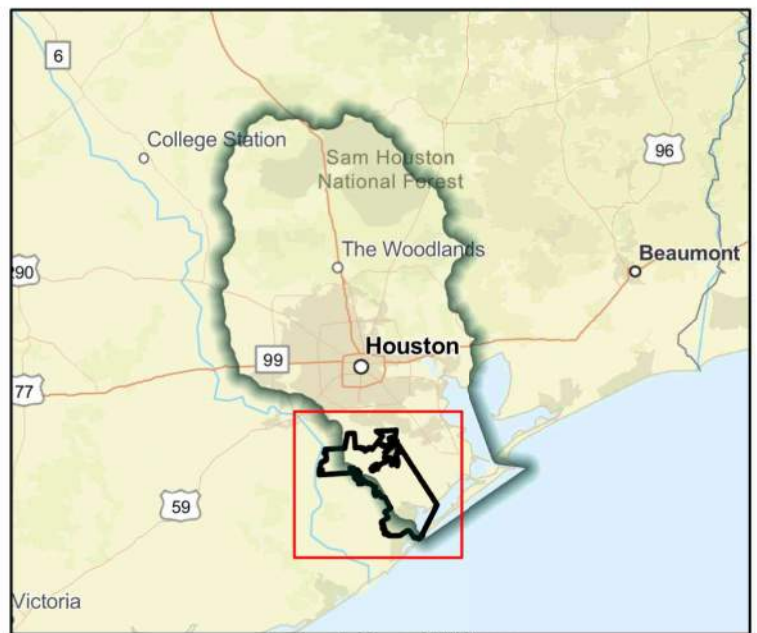
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Alvin Flood Gauges**

ID# **061000037**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to identify areas where best to purchase additional flood gauges to be placed at bayous and key high water areas within City of Alvin.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Brazoria, Galveston, Fort Bend** Watershed HUC# (if known) **120402040300, 120402040200, 120402040400, 120402040100**

Drainage area (Square miles, est.) **25** Goal(s) **06000001, 06000011, 06000012, 06000015**

100-Year Flood Risk Summary

Population at risk **21,569** # of structures **3,445** Critical facilities **18**

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

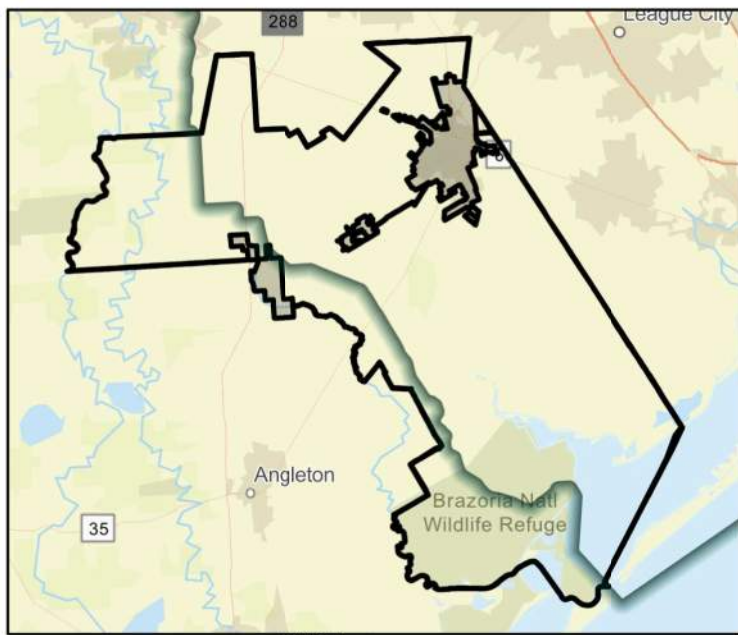
Farm/Ranch land impacted (acres) **262** Roadway(s) impacted (length) **57**

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

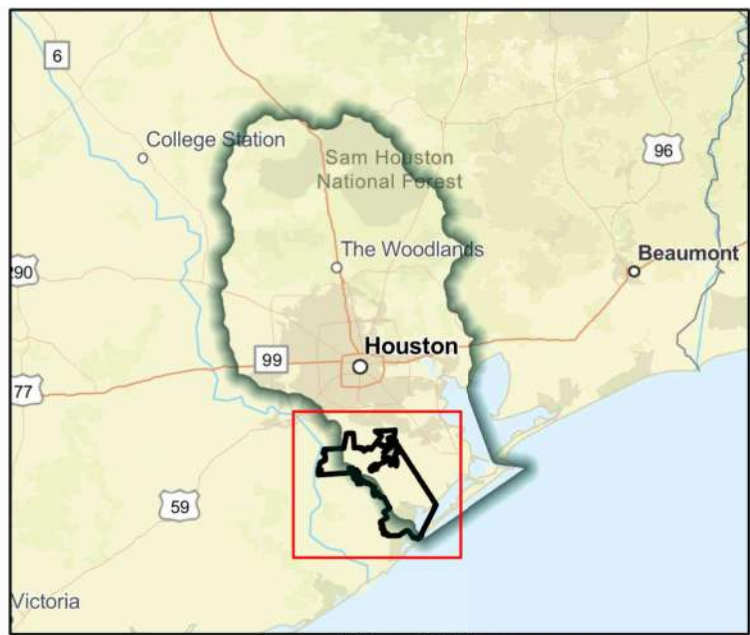
Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **25000** Federal funding availability **Yes**

Funding source **Other**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

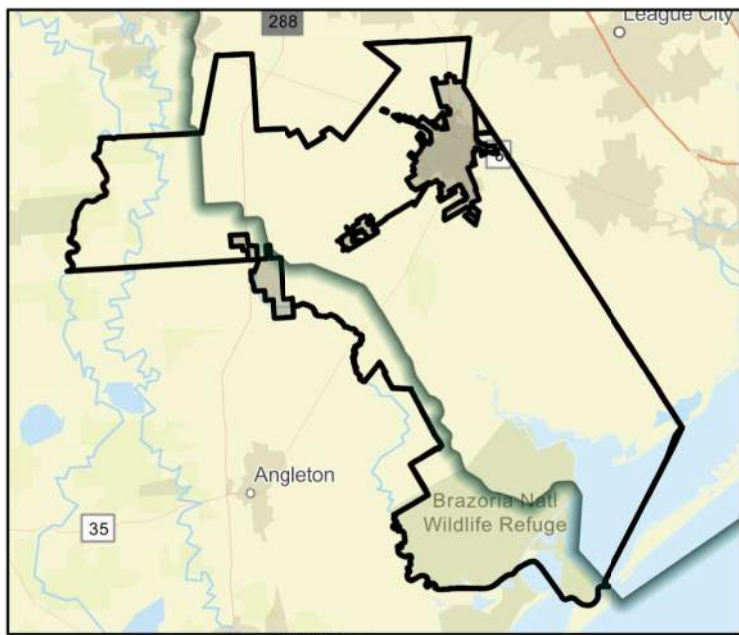
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

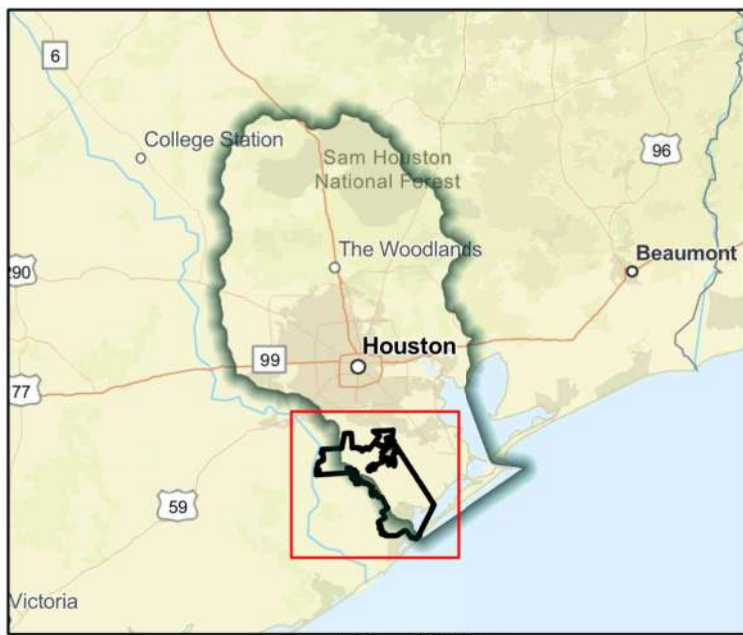
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

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

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

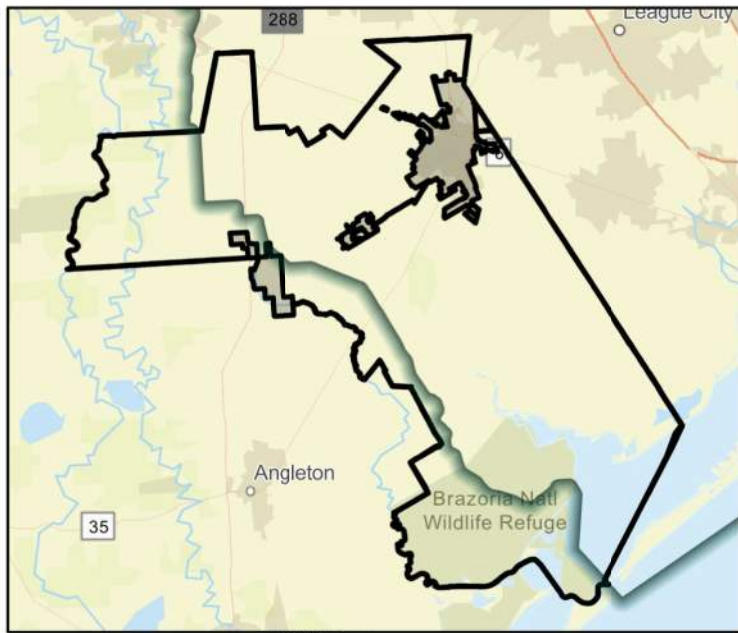
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

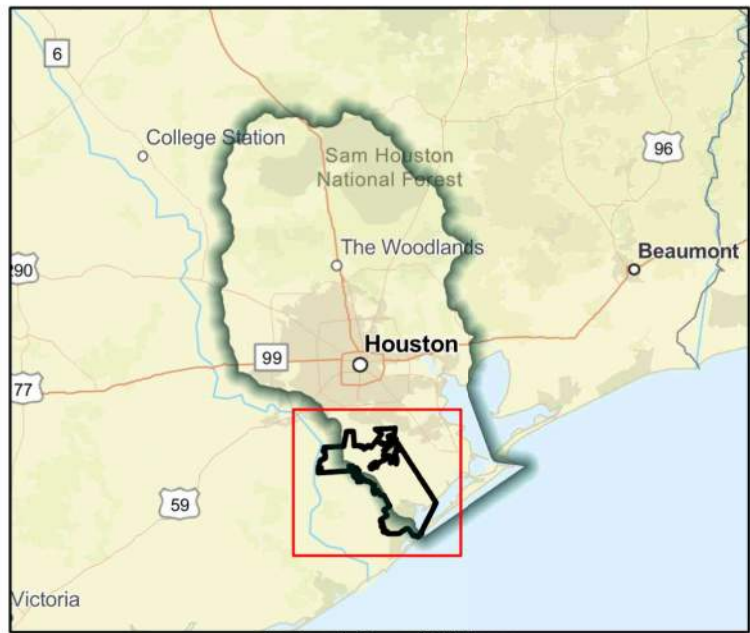
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

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

Number of low water crossings Historical road closures

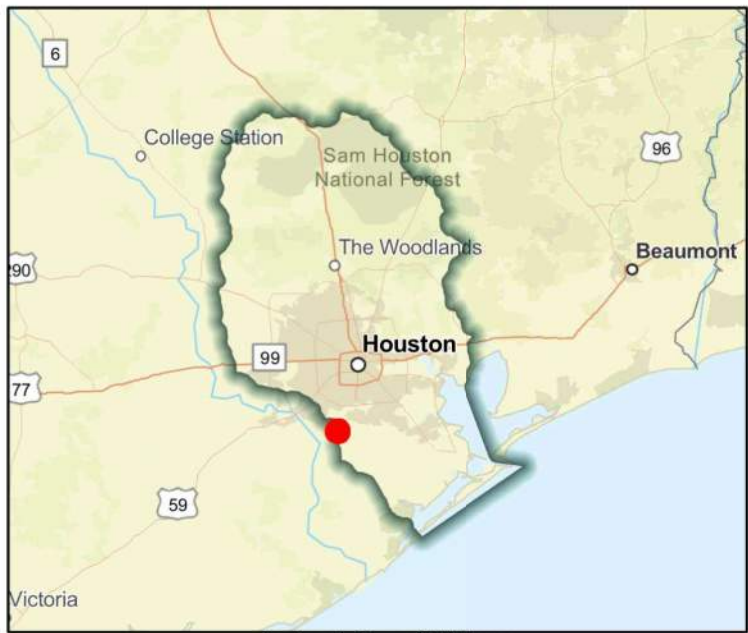
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

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

Number of low water crossings Historical road closures

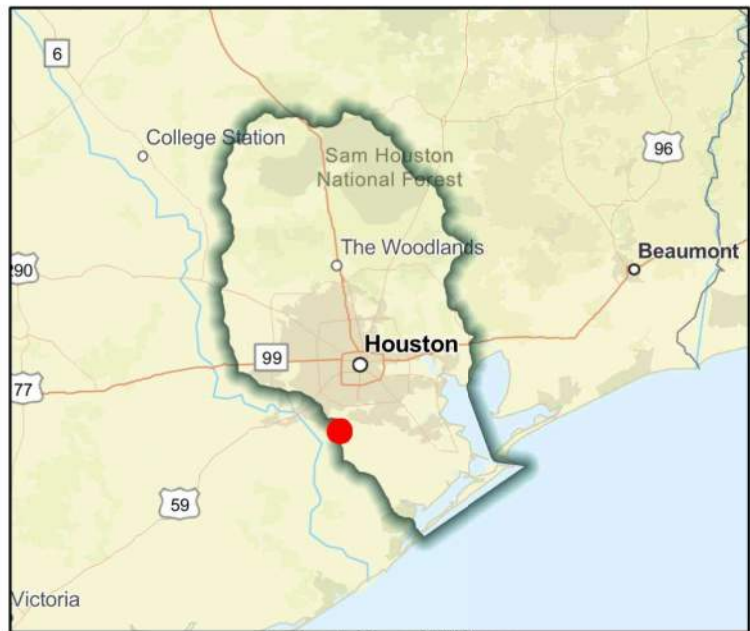
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

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

Number of low water crossings Historical road closures

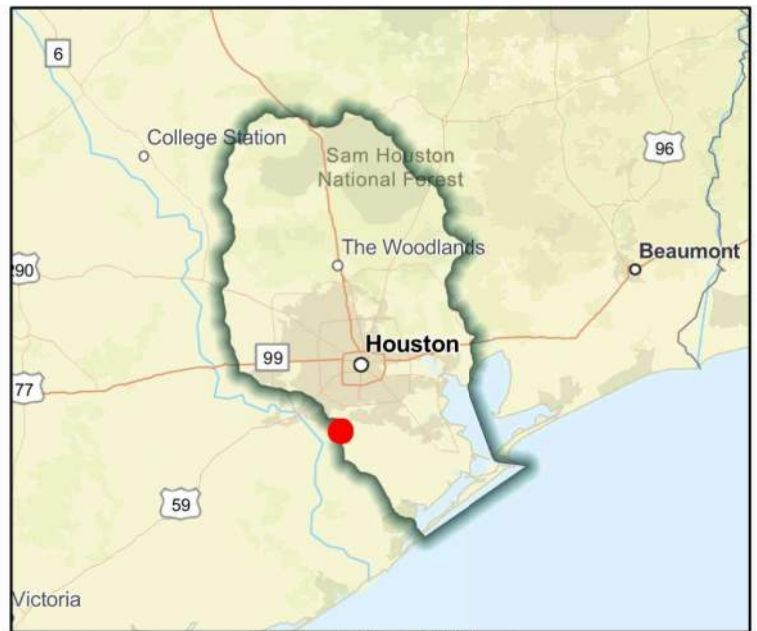
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Bayou Vista - Drainage Improvement Program**

ID# **061000117**

Sponsor (name of entity, not person) **Bayou Vista (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop drainage improvement program to reduce standing water and runoff, and reduce minor flooding for residents located in District No. 12.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Galveston** Watershed HUC# (if known) **120402040200**

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

100-Year Flood Risk Summary

Population at risk **1,508** # of structures **1,123** Critical facilities **3**

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

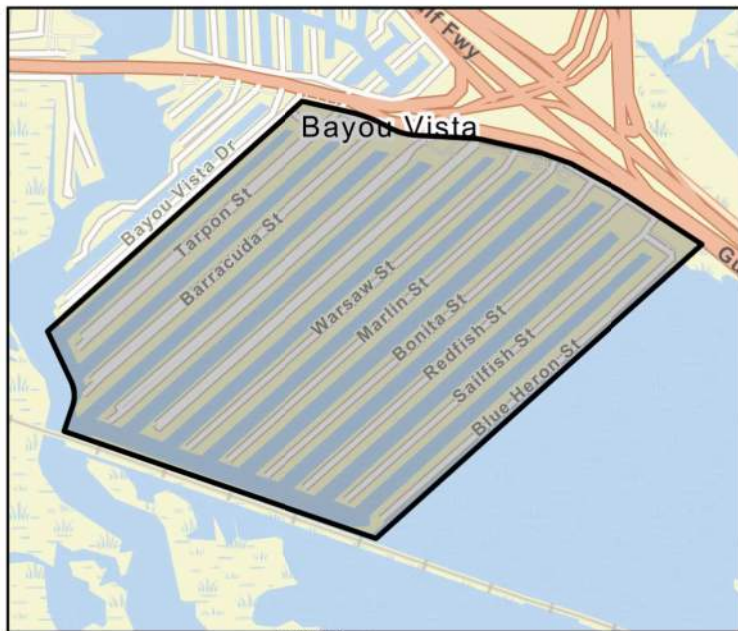
Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **7**

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

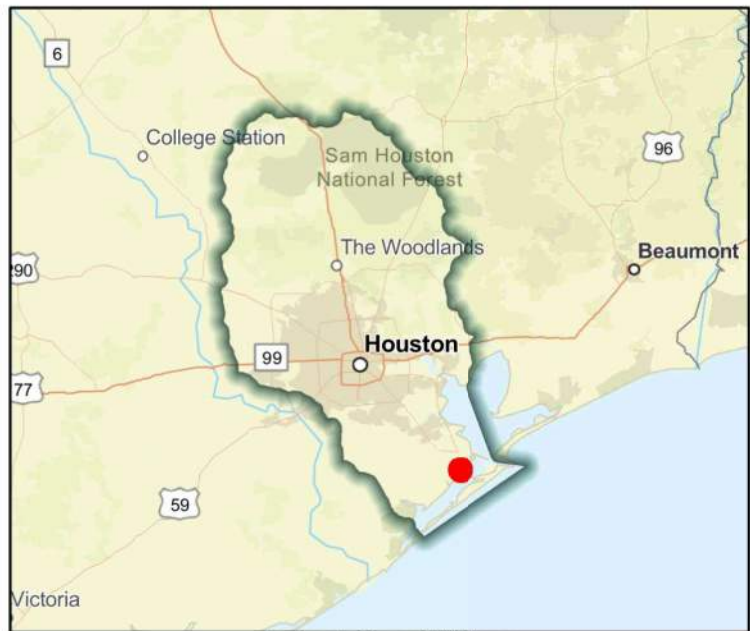
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Bayou Vista Canal Dredging Study**

ID# **061000158**

Sponsor (name of entity, not person) **Bayou Vista (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Plan for Canal Dredging to reduce sediment deposited during storm events. Study to develop and implement canal dredging program.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Galveston** Watershed HUC# (if known) **120402040200**

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

100-Year Flood Risk Summary

Population at risk **1,502** # of structures **1,122** Critical facilities **3**

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

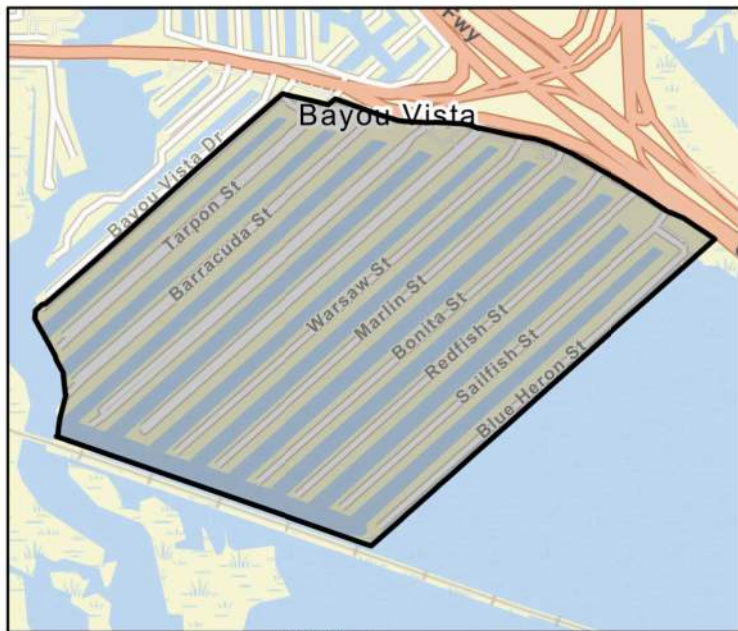
Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **8**

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

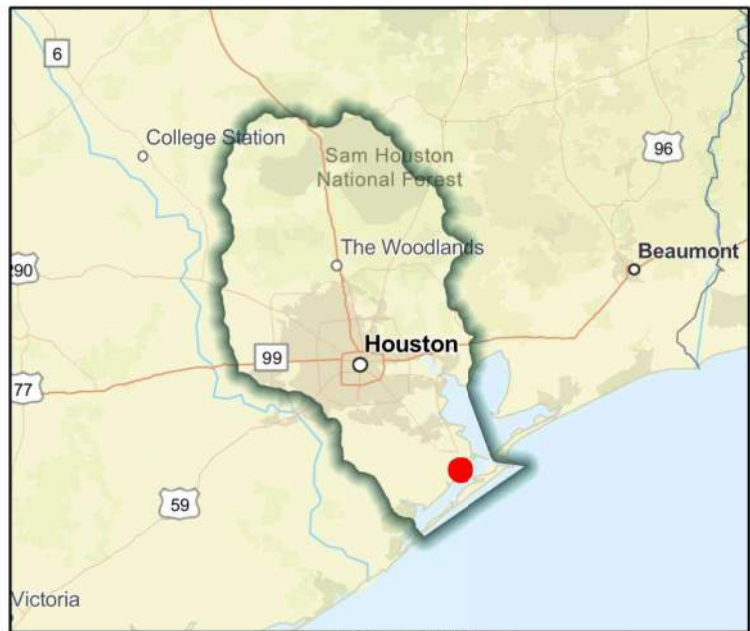
Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? Yes Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

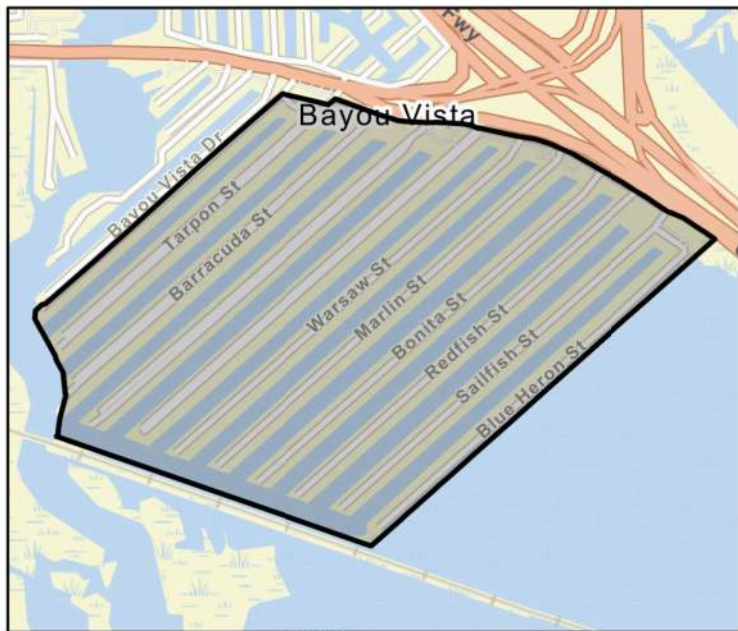
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

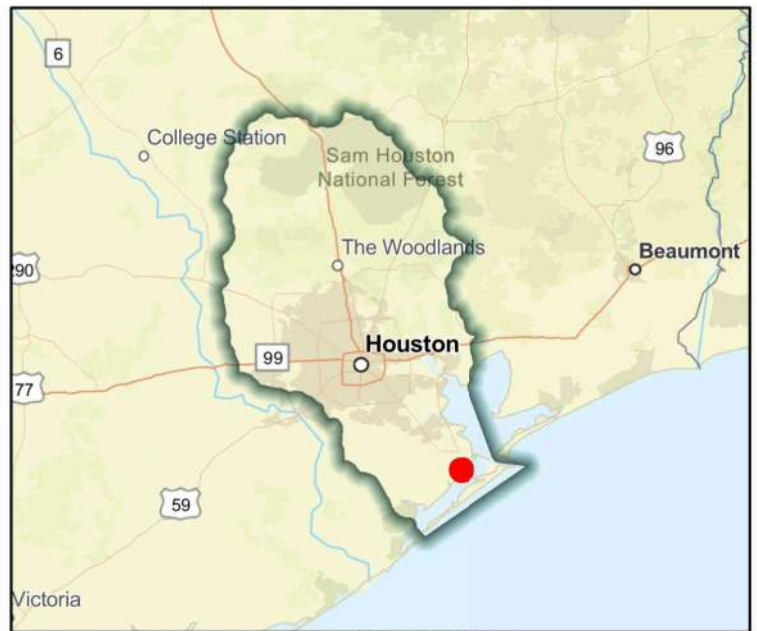
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Baytown Master Drainage Plan**

ID# **061000223**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Chambers,Harris** Watershed HUC# (if known) **120401040705,120401040706,120402030105,120402030106,120402030**

Drainage area (Square miles, est.) **38** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **8,063** # of structures **1,185** Critical facilities **36**

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

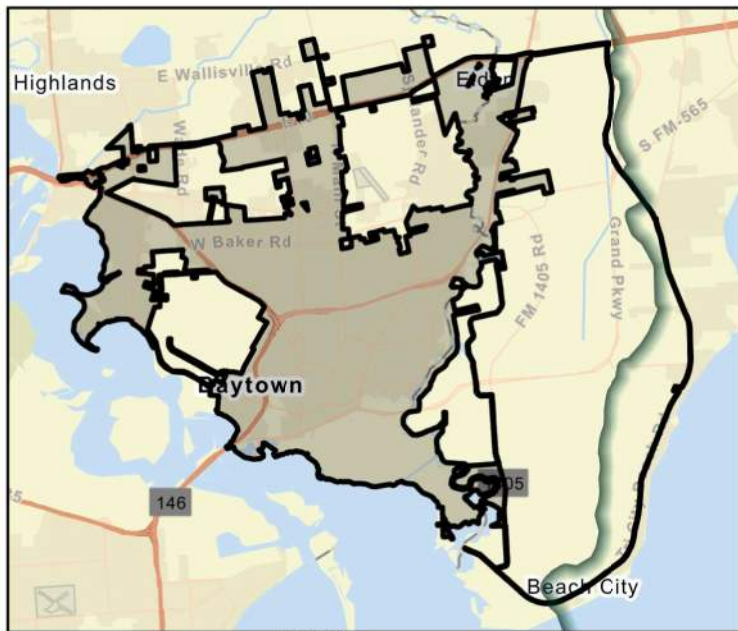
Farm/Ranch land impacted (acres) **79** Roadway(s) impacted (length) **50**

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

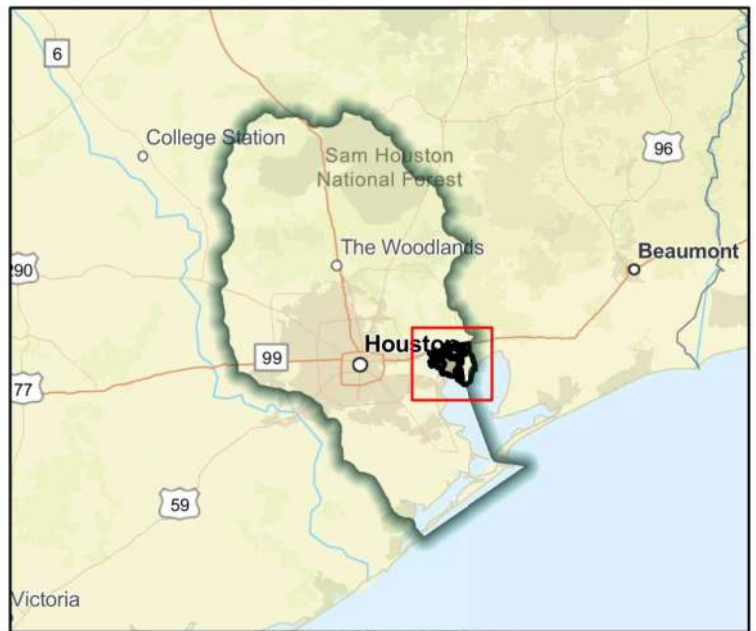
Estimated Cost and Funding Availability

Total Cost **\$520,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? Yes Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

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

Number of low water crossings Historical road closures

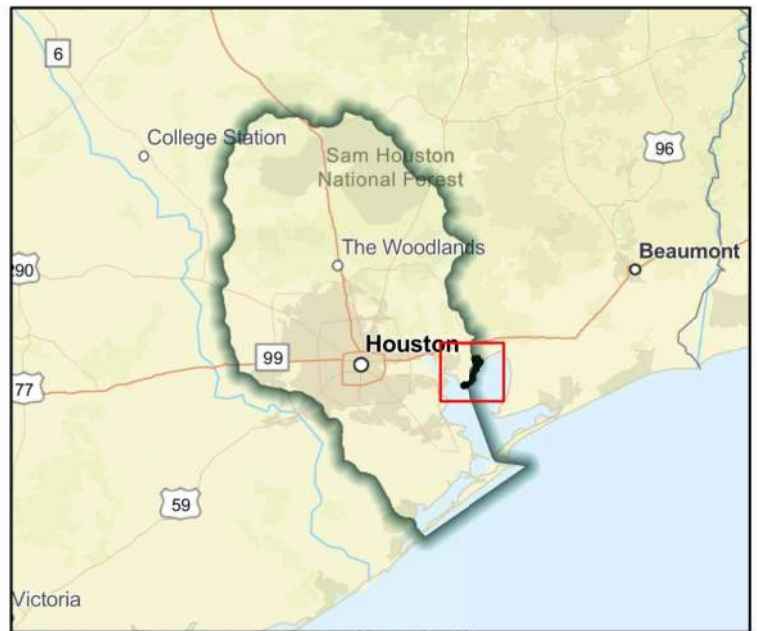
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Bellaire Cypress Ditch Drainage Improvements**

ID# **061000015**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Perform engineering services to develop and advance a flood risk reduction project in the Cypress Ditch area, servicing the southern part of the City of Bellaire.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Harris** Watershed HUC# (if known) **120401040402,120401040401**

Drainage area (Square miles, est.) **4** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **37,604** # of structures **5,879** Critical facilities **71**

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

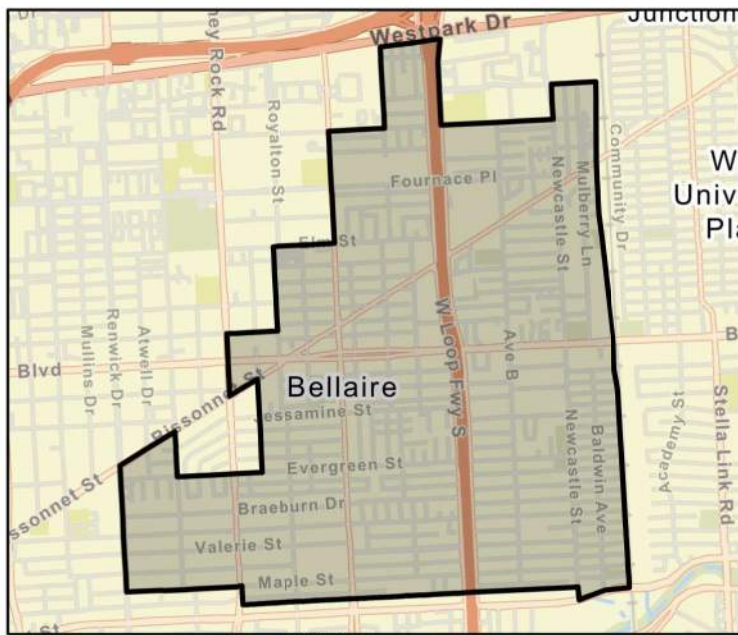
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **71**

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

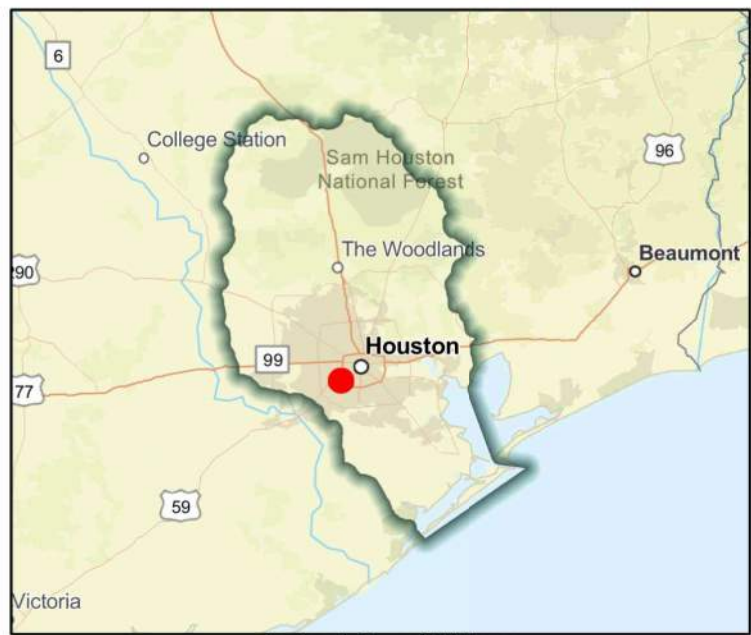
Estimated Cost and Funding Availability

Total Cost **\$1,000,000** Amount of Available Funding **250000** Federal funding availability **Yes**

Funding source **Bonds/Other Financing**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Bellaire Local Drainage System Asset Management**

ID# **061000013**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop asset management plan / capital improvement plan to repair/replace local drainage infrastructure over time to ensure it is in good working order and meeting the level of service desired by the City.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040402,120401040401**

Drainage area (Square miles, est.) **4** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **37,604** # of structures **5,879** Critical facilities **71**

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

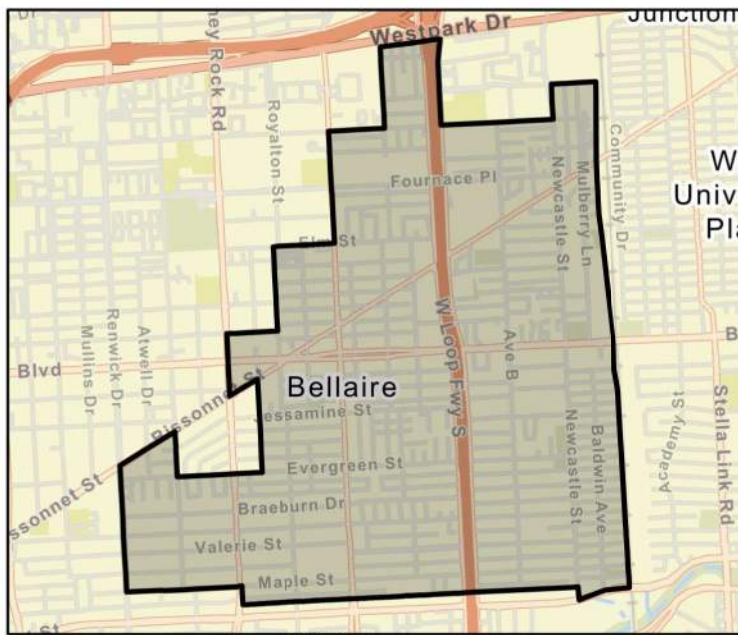
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **71**

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

Estimated Cost and Funding Availability

Total Cost **\$300,000** Amount of Available Funding **75000** Federal funding availability **Yes**

Funding source **Bonds/Other Financing**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Bellaire Master Drainage Plan**

ID# **061000225**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Conduct planning study to produce a Master Drainage Plan for the City of Bellaire, identifying and developing specific flood-related capital improvements and implementation plans necessary to achieve a desired level of service / flood protection.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Harris** Watershed HUC# (if known) **120401040402,120401040401**

Drainage area (Square miles, est.) **4** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **37,604** # of structures **5,879** Critical facilities **71**

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

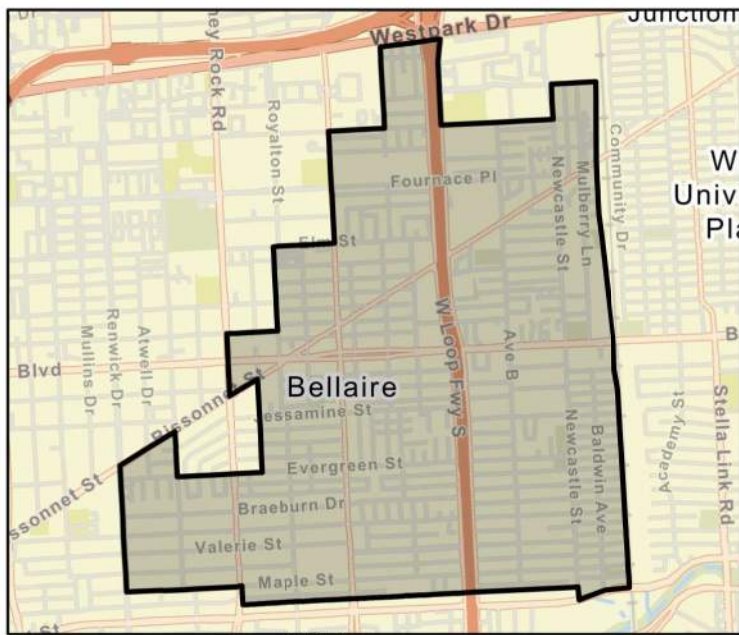
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **71**

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

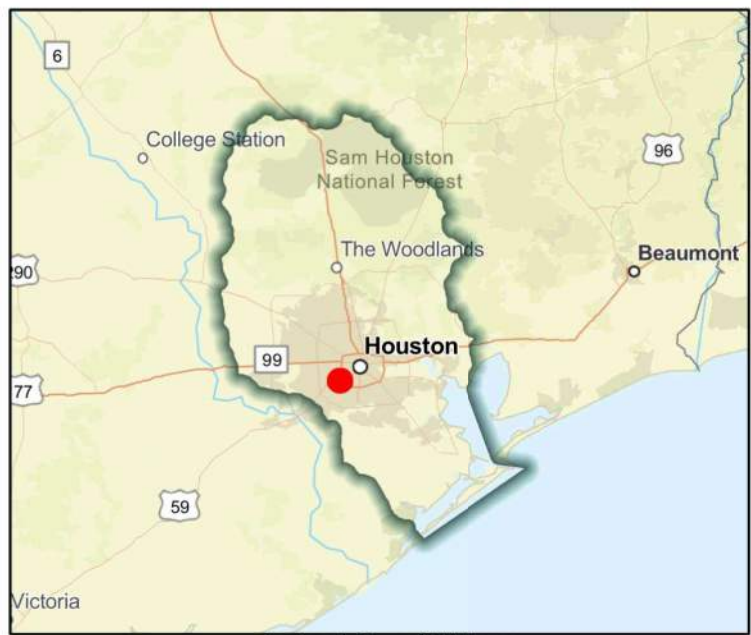
Estimated Cost and Funding Availability

Total Cost **\$1,500,000** Amount of Available Funding **375000** Federal funding availability **Yes**

Funding source **Bonds/Other Financing**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Bellaire Regional Detention Facilities Development**

ID# **061000014**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Effort to identify and develop/design regional detention facilities to either provide flood risk reduction or to facilitate the construction of local or regional drainage improvement projects.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Harris** Watershed HUC# (if known) **120401040402,120401040401**

Drainage area (Square miles, est.) **4** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **37,604** # of structures **5,879** Critical facilities **71**

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

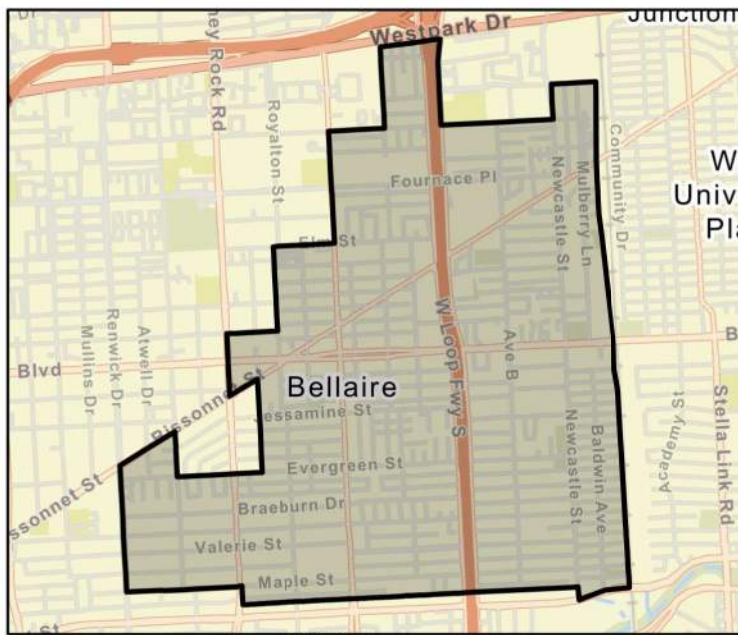
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **71**

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

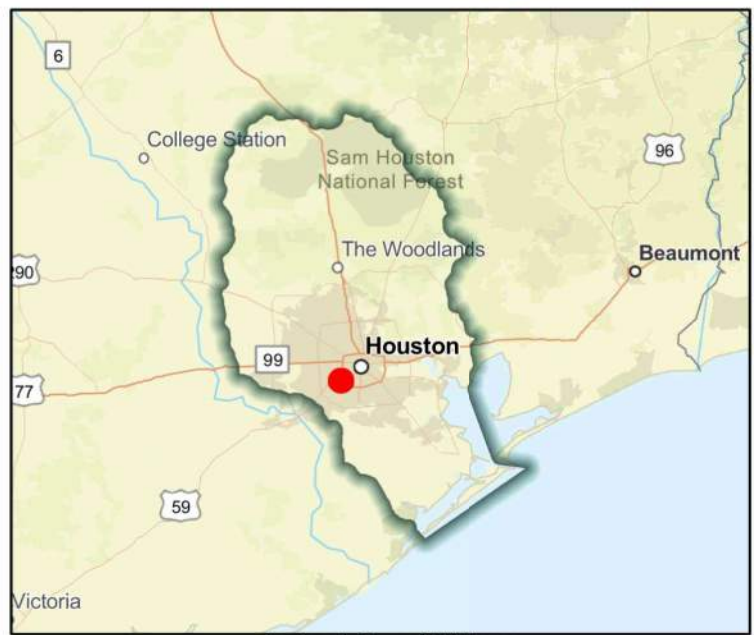
Estimated Cost and Funding Availability

Total Cost **\$1,000,000** Amount of Available Funding **250000** Federal funding availability **Yes**

Funding source **Bonds/Other Financing**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Brookside Village Master Drainage Plan**

ID# **061000226**

Sponsor (name of entity, not person) **Brookside Village (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

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

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **1,607** # of structures **809** Critical facilities **0**

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

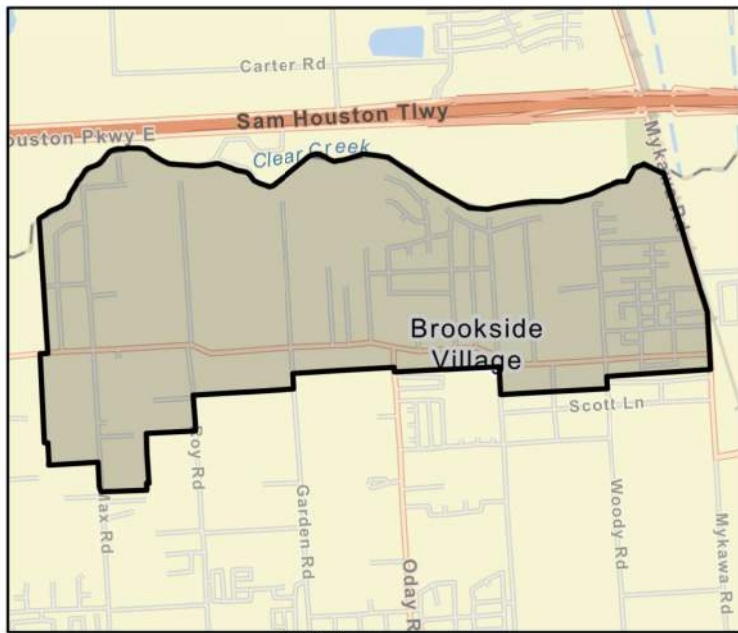
Farm/Ranch land impacted (acres) **3** Roadway(s) impacted (length) **12**

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

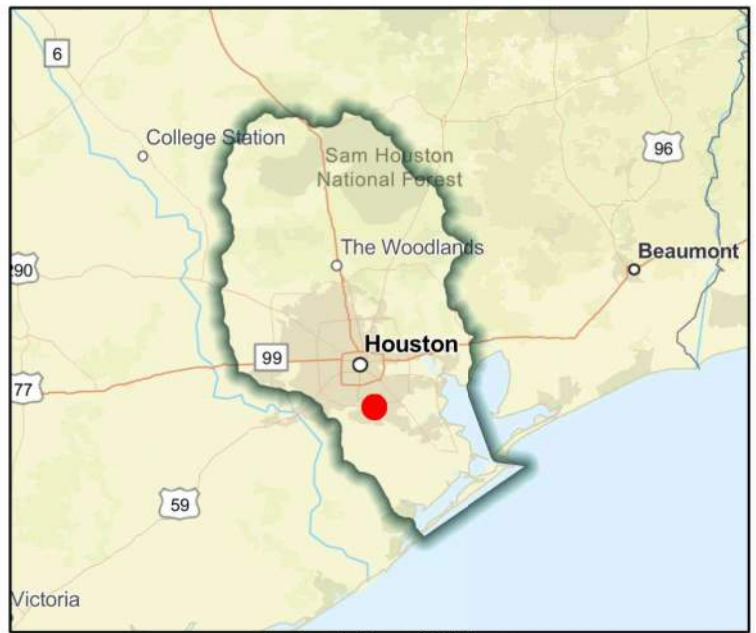
Estimated Cost and Funding Availability

Total Cost **\$190,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

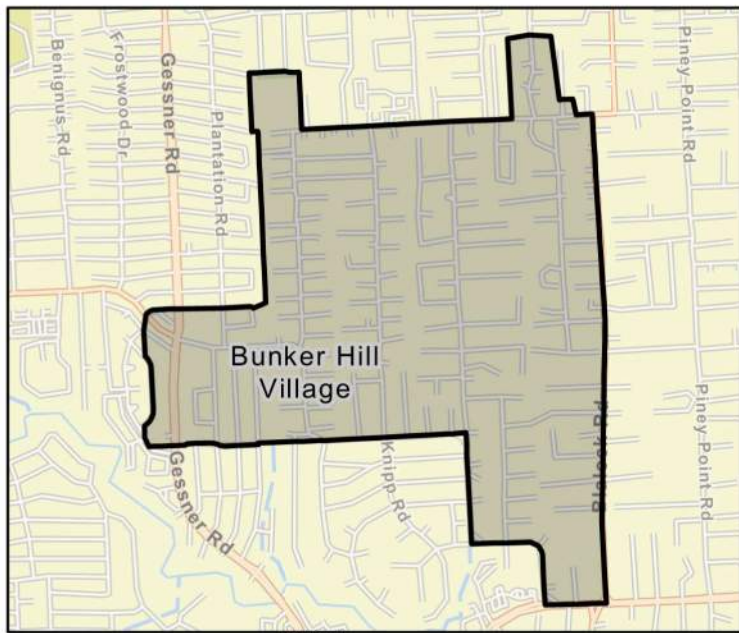
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

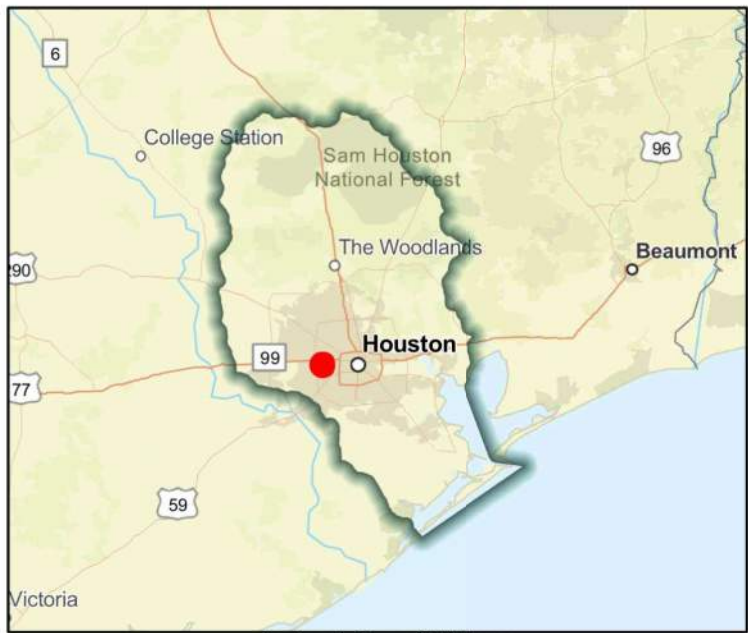
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

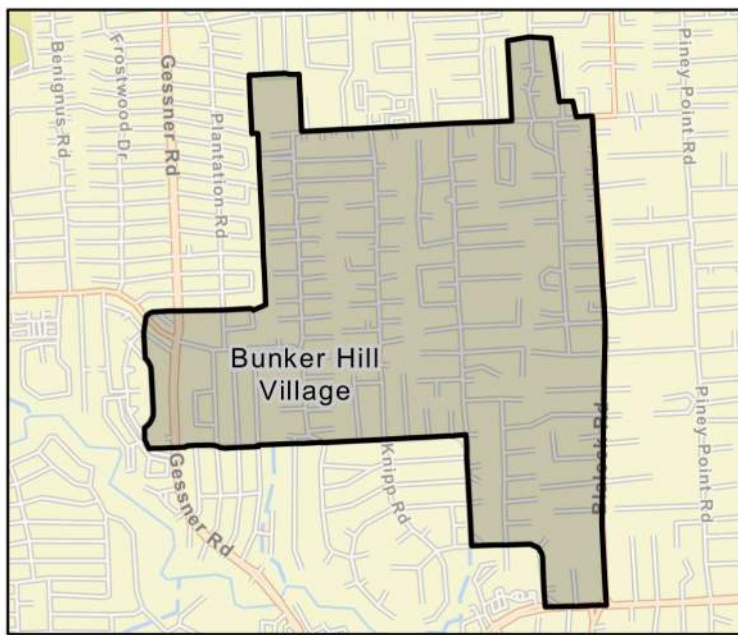
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

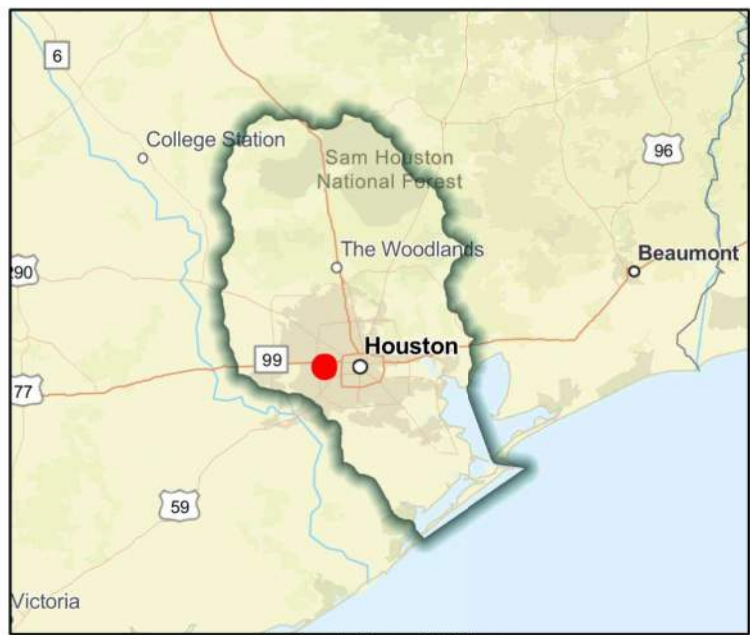
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

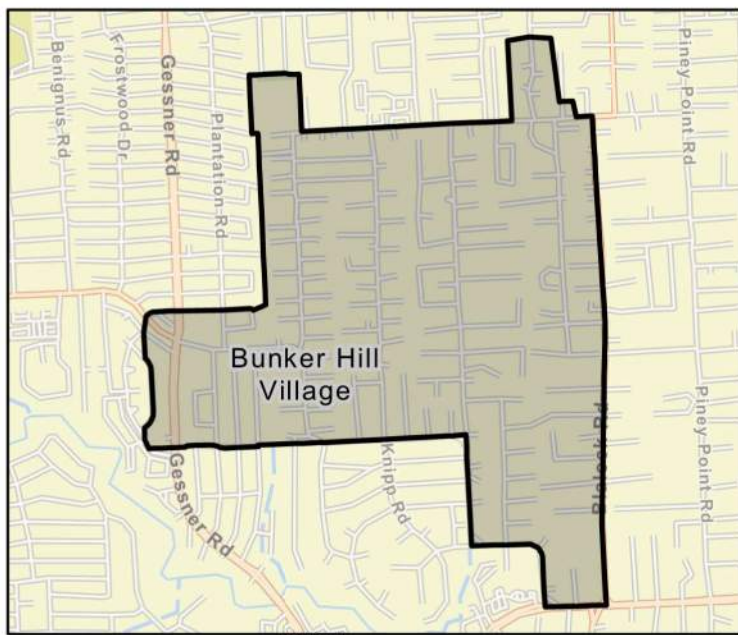
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

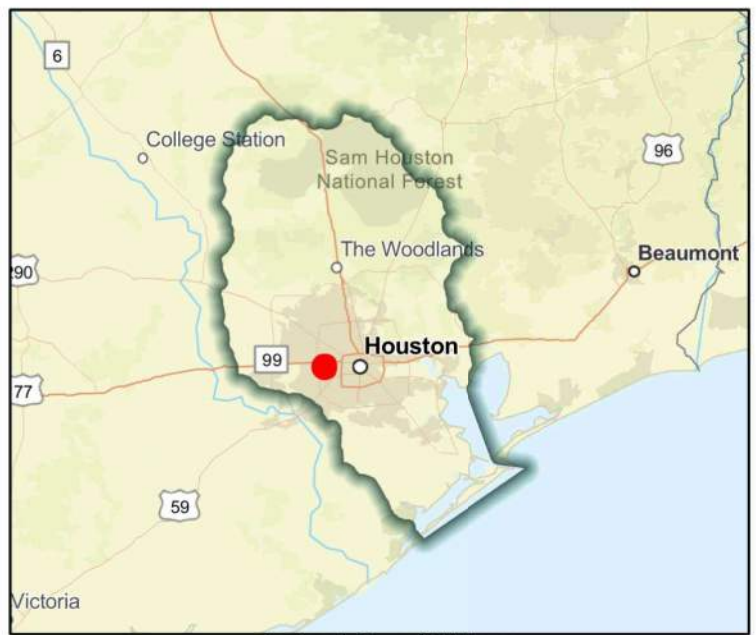
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Clear Lake Shores Master Drainage Plan**

ID# **061000228**

Sponsor (name of entity, not person) **Clear Lake Shores (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Galveston,Harris** Watershed HUC# (if known) **120402040100**

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

100-Year Flood Risk Summary

Population at risk **3,407** # of structures **633** Critical facilities **4**

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

Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **9**

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

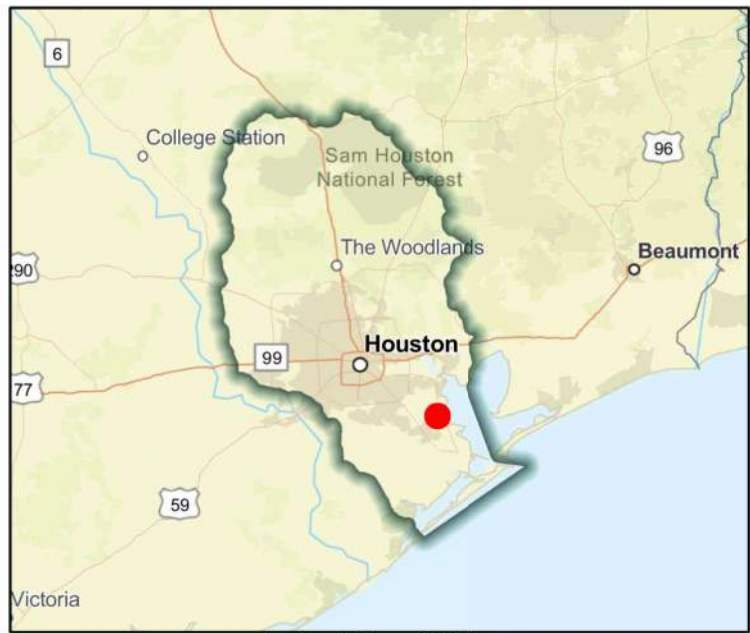
Estimated Cost and Funding Availability

Total Cost **\$140,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Cleveland Master Drainage Plan**

ID# **061000229**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Liberty, Montgomery, San Jacinto** Watershed HUC# (if known) **120401030201, 120401030108, 120401030109, 120401030203, 120401030**

Drainage area (Square miles, est.) **19** Goal(s) **06000001, 06000011, 06000012, 06000015**

100-Year Flood Risk Summary

Population at risk **1,267** # of structures **261** Critical facilities **0**

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

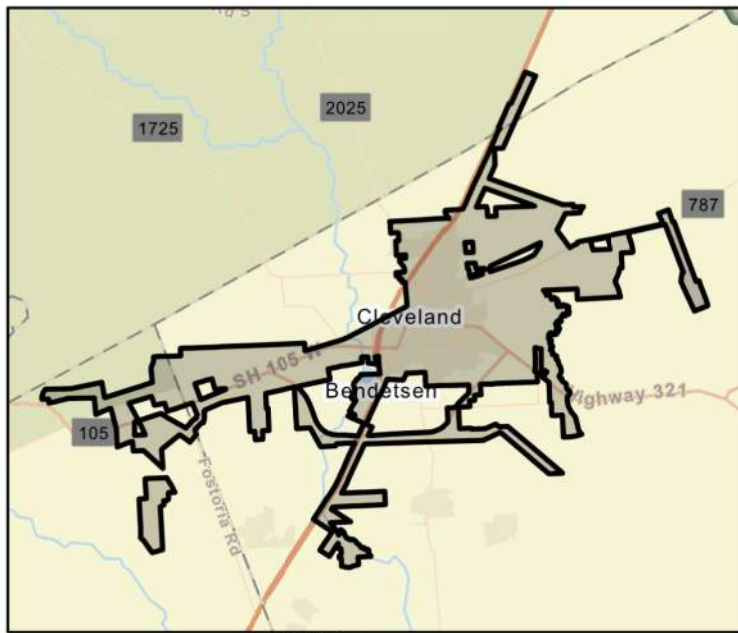
Farm/Ranch land impacted (acres) **29** Roadway(s) impacted (length) **27**

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

Estimated Cost and Funding Availability

Total Cost **\$400,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

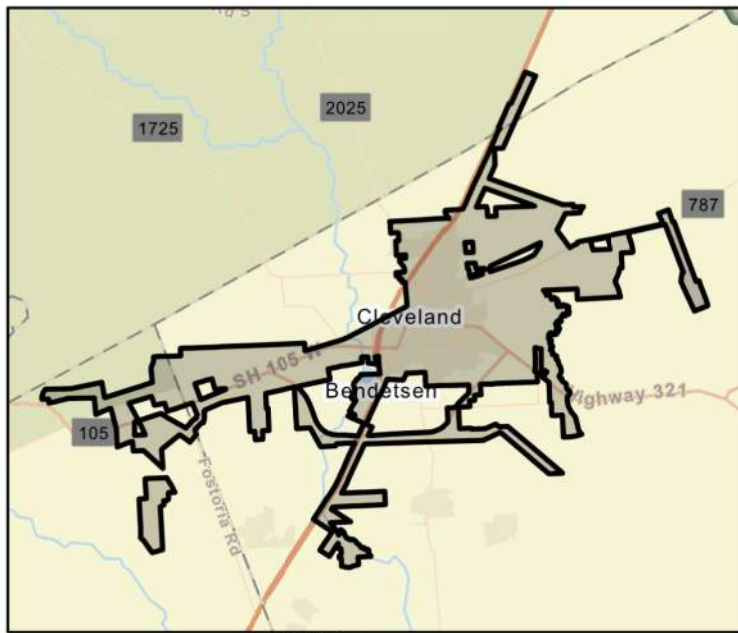
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

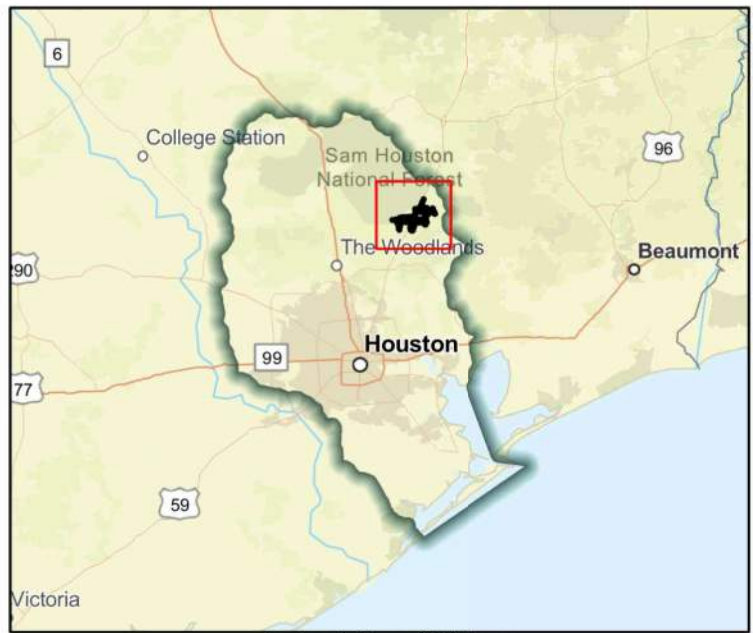
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

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

Number of low water crossings Historical road closures

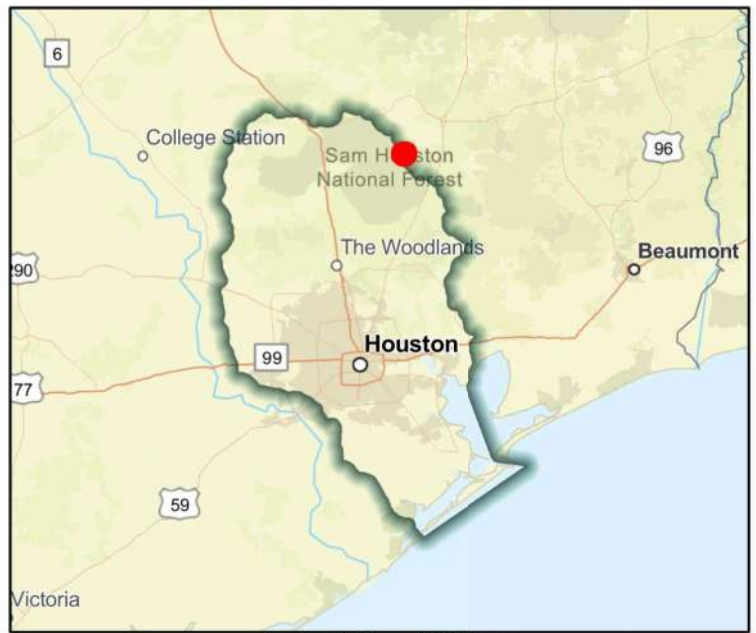
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

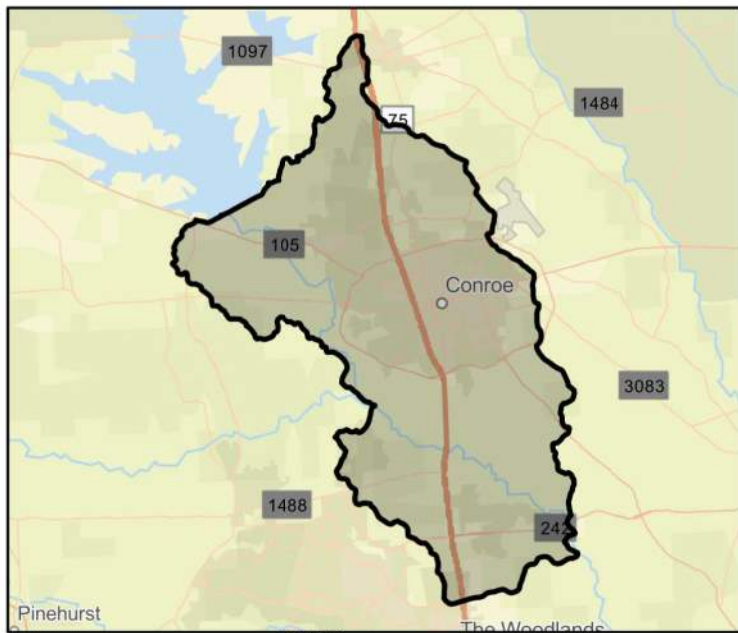
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Conroe Riverine Study and Mapping Improvements**

ID# **061000213**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study and new modeling for moderate to low quality areas and revise the flood maps using the results from the updated modeling.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Montgomery** Watershed HUC# (if known) **120401010207,120401010401,120401010402**

Drainage area (Square miles, est.) **100** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **14,964** # of structures **3,465** Critical facilities **46**

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

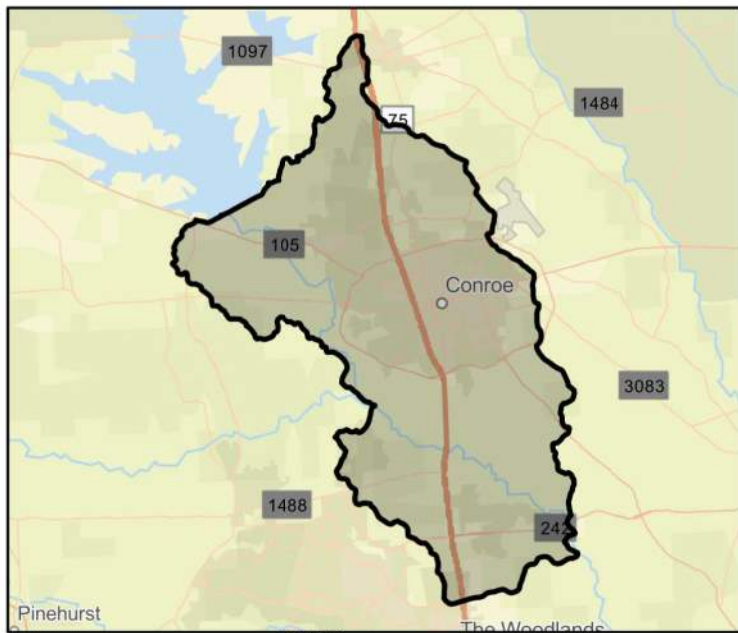
Farm/Ranch land impacted (acres) **98** Roadway(s) impacted (length) **84**

Number of low water crossings **18** Historical road closures **18**

Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

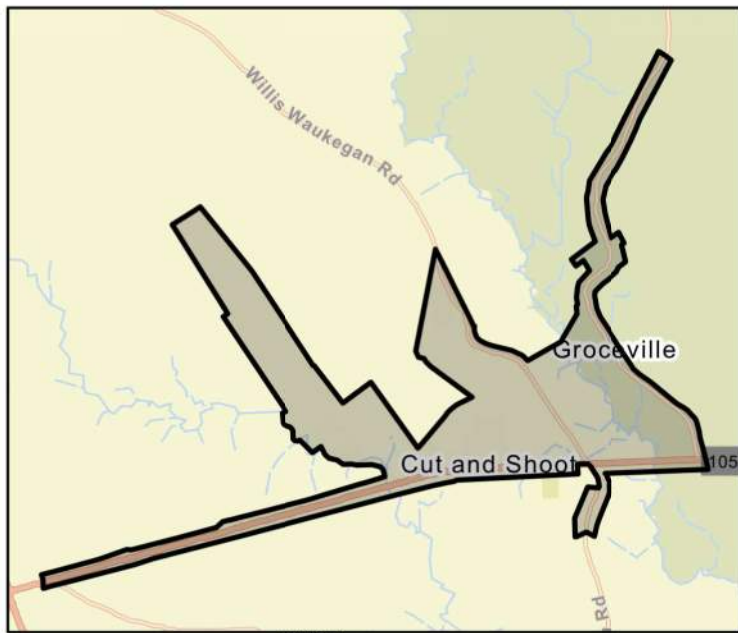
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

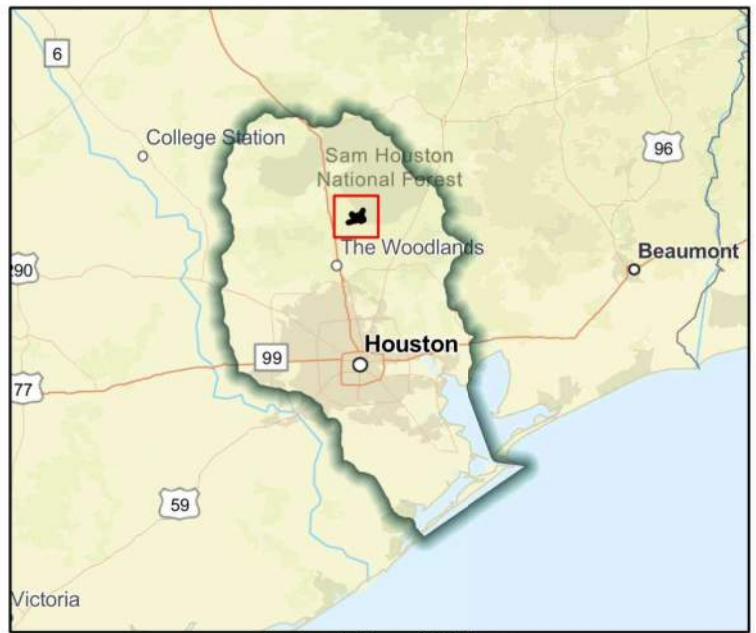
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

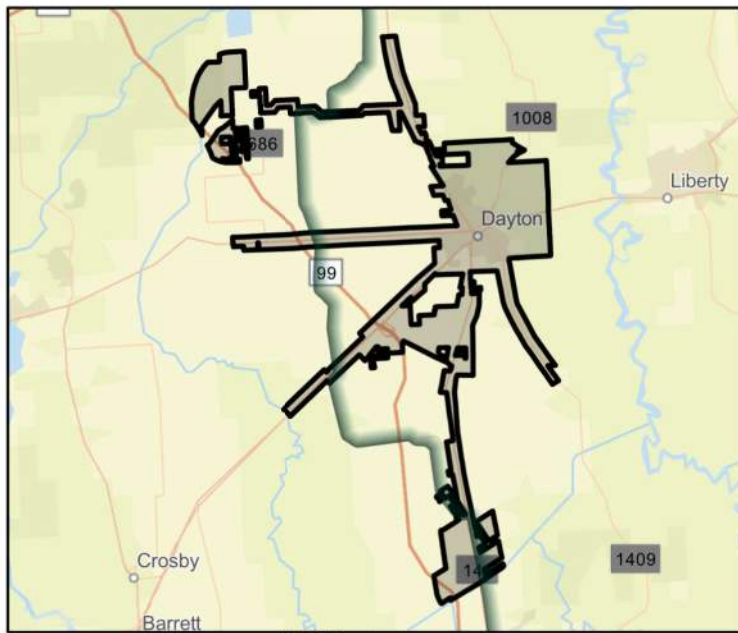
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Deer Park Master Drainage Plan**

ID# **061000234**

Sponsor (name of entity, not person) **Deer Park (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Harris** Watershed HUC# (if known) **120401040703,120401040706,120402040100**

Drainage area (Square miles, est.) **11** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **8,356** # of structures **469** Critical facilities **6**

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

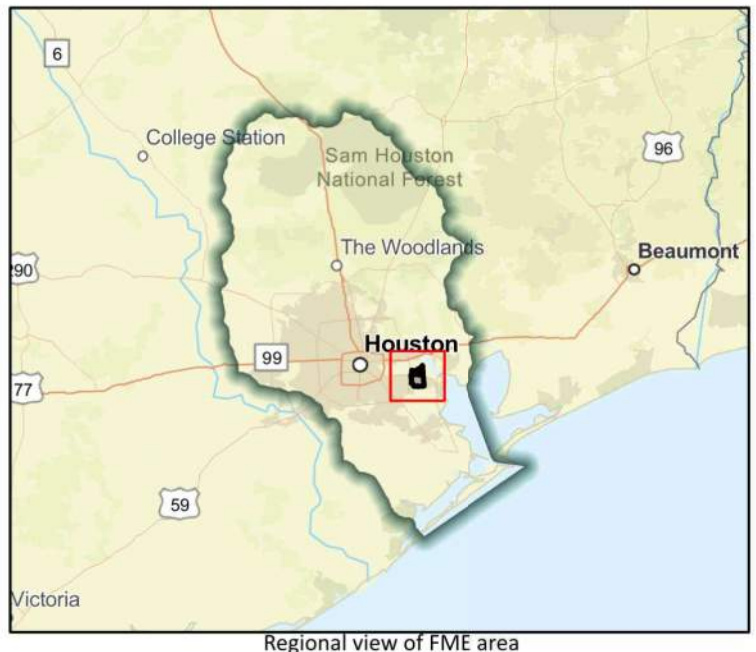
Farm/Ranch land impacted (acres) **4** Roadway(s) impacted (length) **9**

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

Estimated Cost and Funding Availability

Total Cost **\$320,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



Flood Management Evaluation (FME)



Title **City of Dickinson Master Drainage Plan**

ID# **061000235**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Galveston** Watershed HUC# (if known) **120402040200**

Drainage area (Square miles, est.) **10** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **22,231** # of structures **5,624** Critical facilities **78**

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

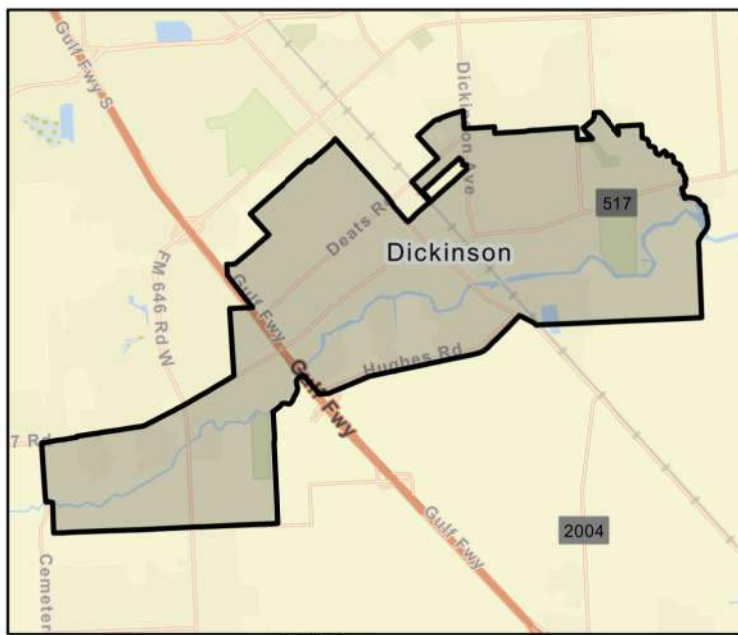
Farm/Ranch land impacted (acres) **38** Roadway(s) impacted (length) **79**

Number of low water crossings **10** Historical road closures **10**

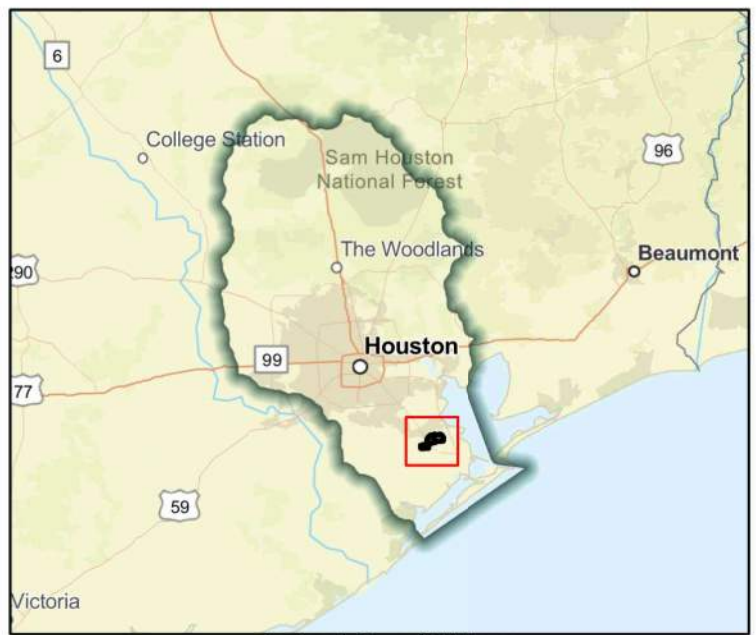
Estimated Cost and Funding Availability

Total Cost **\$320,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

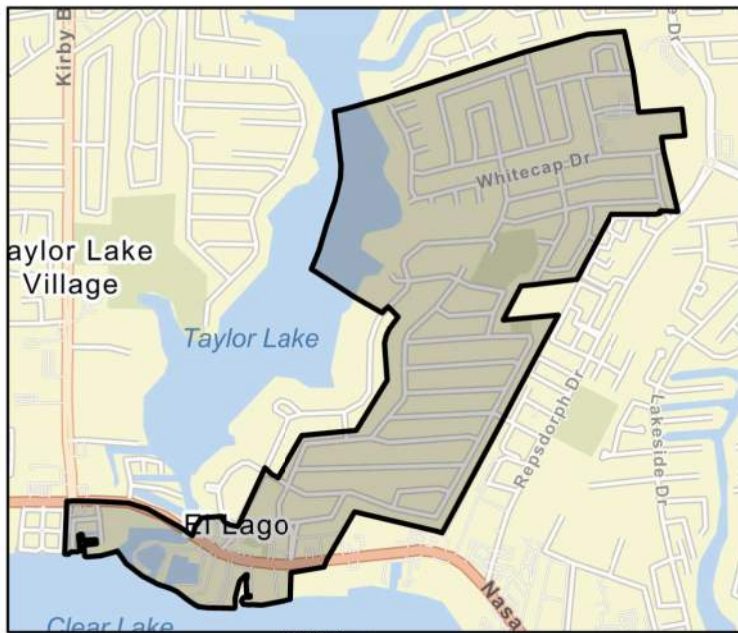
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

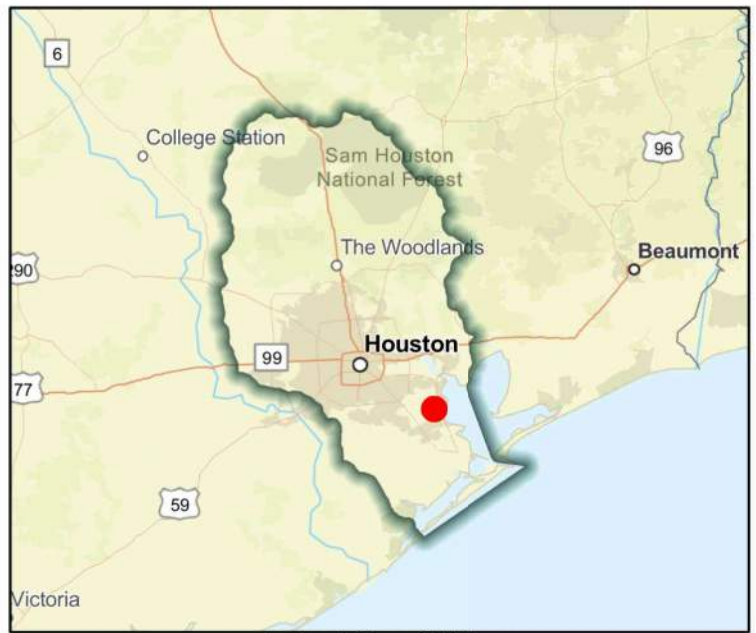
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

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

ID# 061000424

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

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study 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.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Galveston,Harris Watershed HUC# (if known) 120402040200,120402040100

Drainage area (Square miles, est.) 21 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 5,467 # of structures 1,680 Critical facilities 2

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

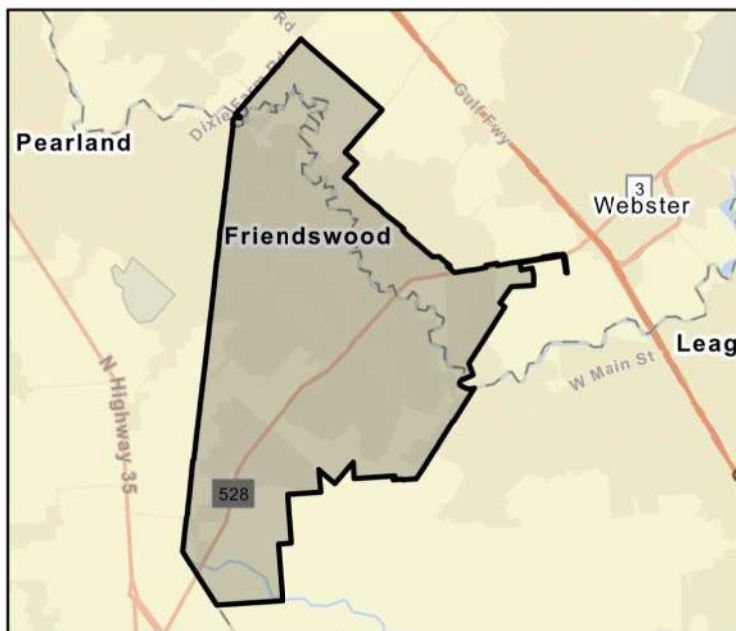
Farm/Ranch land impacted (acres) 18 Roadway(s) impacted (length) 38

Number of low water crossings 5 Historical road closures 5

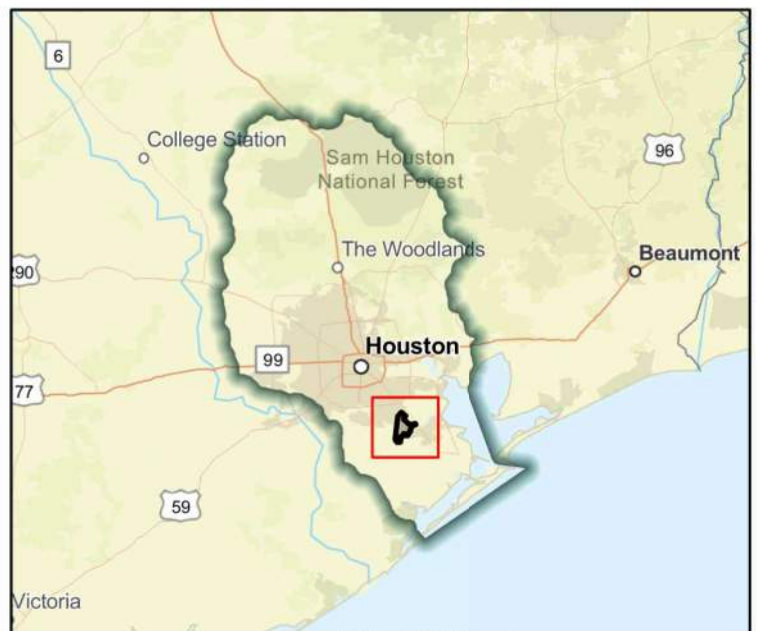
Estimated Cost and Funding Availability

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

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Friendswood Master Drainage Plan**

ID# **061000237**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Galveston,Harris** Watershed HUC# (if known) **120402040200,120402040100**

Drainage area (Square miles, est.) **21** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **5,467** # of structures **1,680** Critical facilities **2**

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

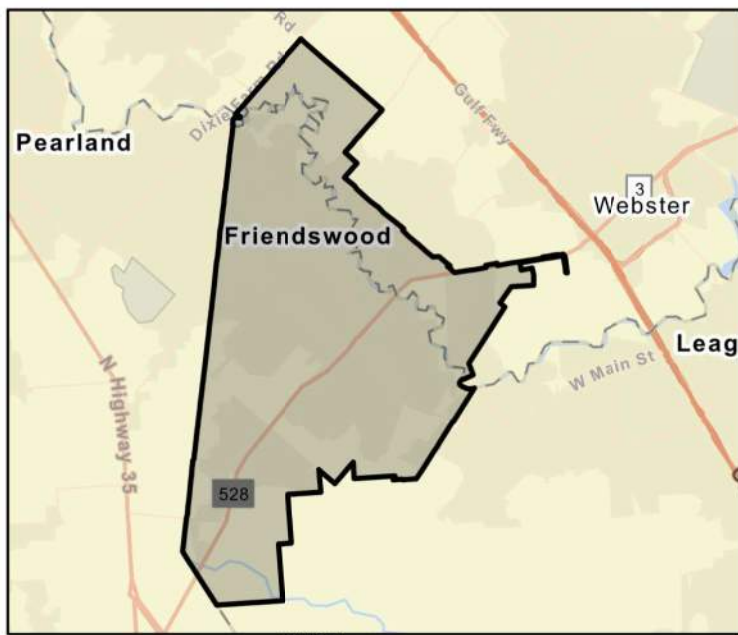
Farm/Ranch land impacted (acres) **18** Roadway(s) impacted (length) **38**

Number of low water crossings **5** Historical road closures **5**

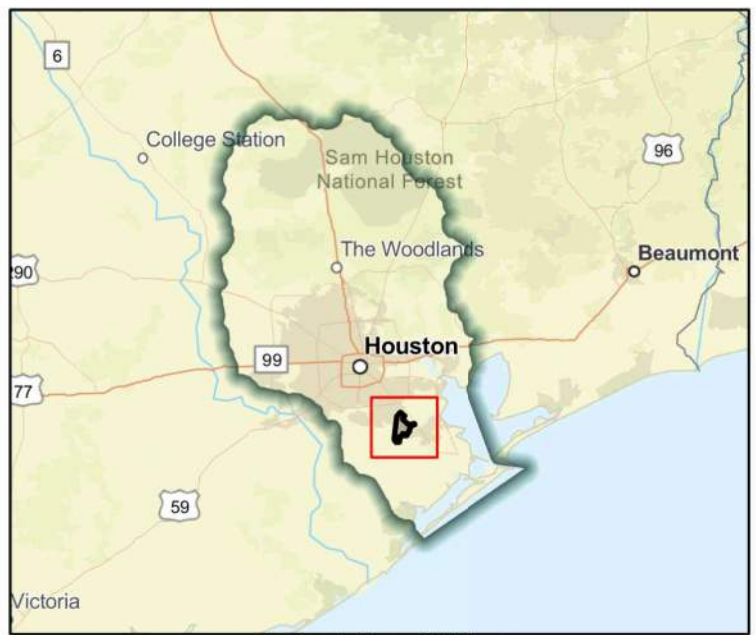
Estimated Cost and Funding Availability

Total Cost **\$750,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **City of Fulshear Master Drainage Plan**
ID# **061000238**
Sponsor (name of entity, not person) **Fulshear (Municipality)**
RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

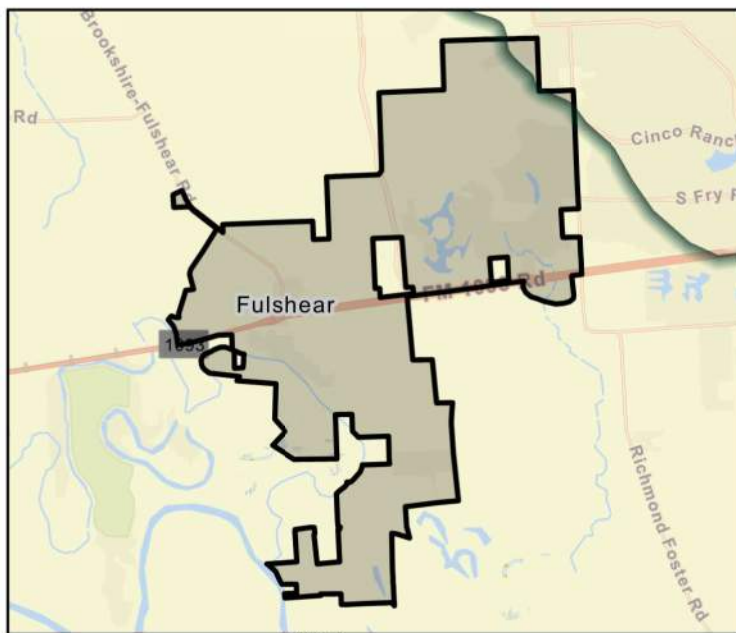
Study type **Watershed Planning**
Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**
New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**
County **Fort Bend** Watershed HUC# (if known) **120401040103**
Drainage area (Square miles, est.) **12** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

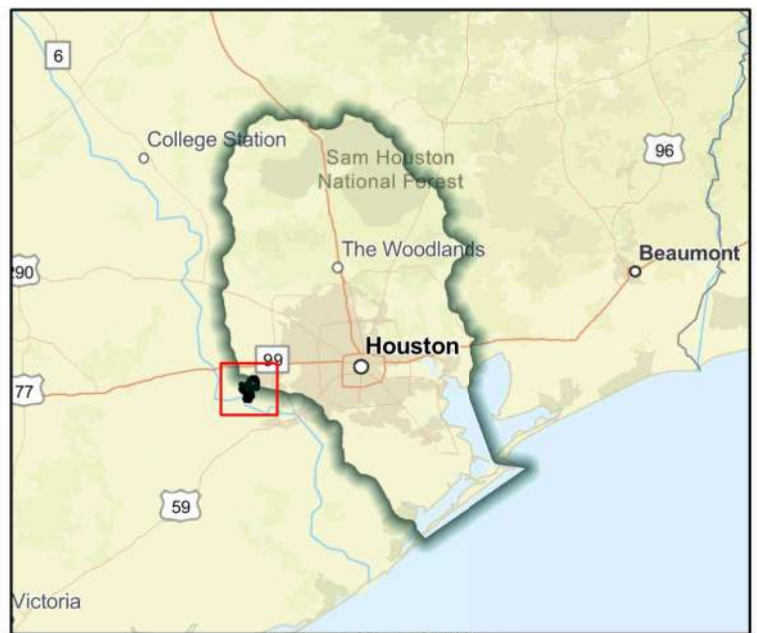
Population at risk - # of structures - Critical facilities -
Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**
Farm/Ranch land impacted (acres) - Roadway(s) impacted (length) -
Number of low water crossings - Historical road closures -

Estimated Cost and Funding Availability

Total Cost **\$340,000** Amount of Available Funding - Federal funding availability **Yes**
Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? Yes Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

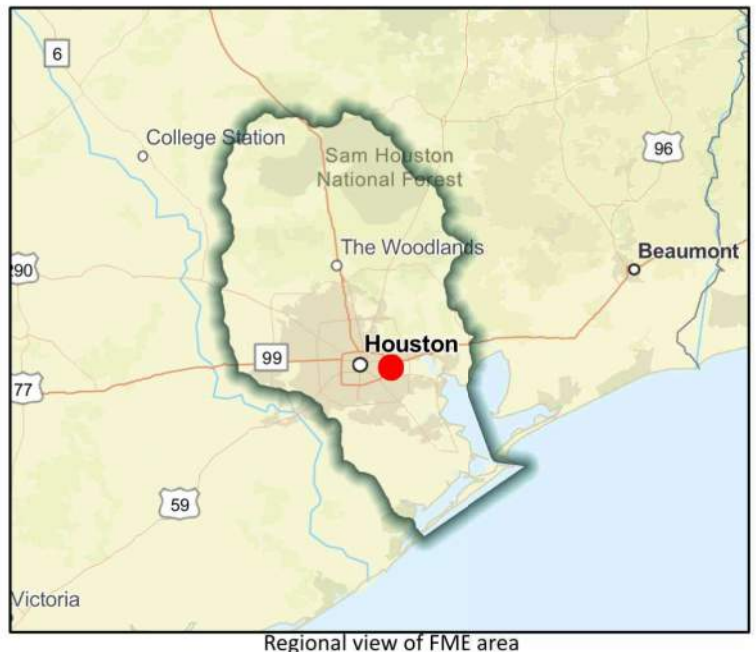
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

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

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

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

Number of low water crossings Historical road closures

Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Galveston Dune Restoration**

ID# **061000071**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study of dune system to determine needs and flood damage reduction potential of restoration.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Galveston** Watershed HUC# (if known) **120402040300,120402040200,120402040400,120402040500**

Drainage area (Square miles, est.) **211** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **93,583** # of structures **21,858** Critical facilities **509**

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

Farm/Ranch land impacted (acres) **261** Roadway(s) impacted (length) **409**

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

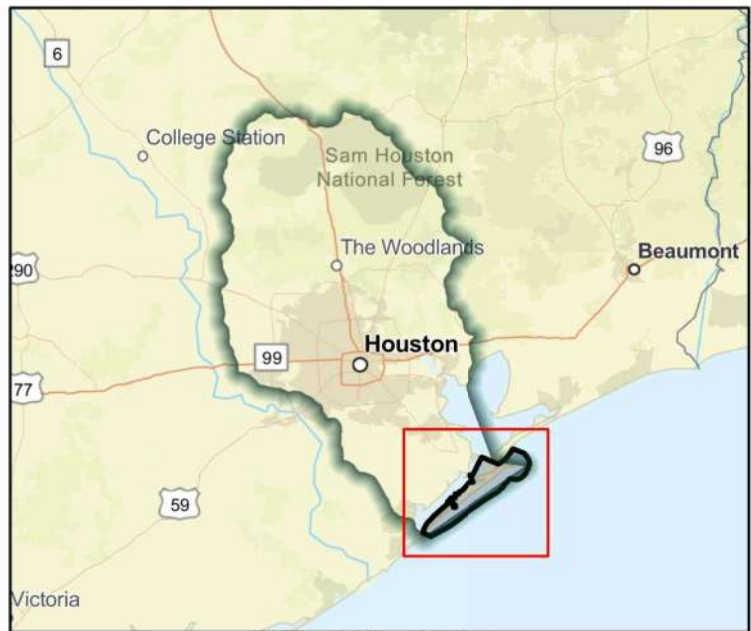
Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

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

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

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

Number of low water crossings Historical road closures

Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

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

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

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

Number of low water crossings Historical road closures

Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? Yes Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

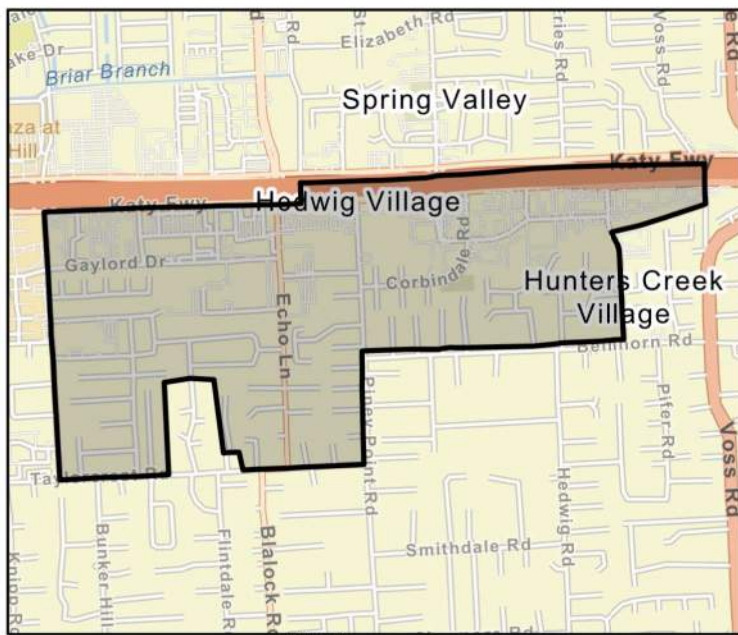
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

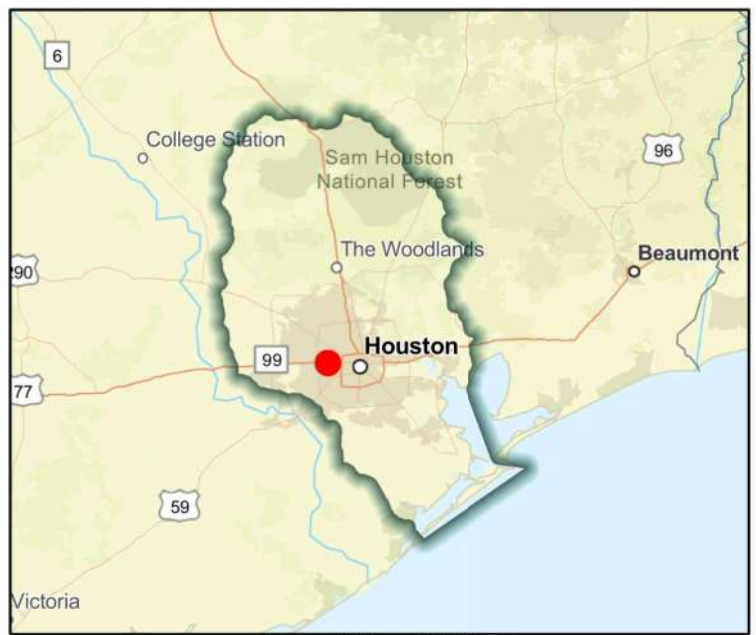
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **City of Hillcrest Master Drainage Plan**

ID# **061000242**

Sponsor (name of entity, not person) **Hillcrest Village (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**
Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**
County **Brazoria** Watershed HUC# (if known) **120402040400**
Drainage area (Square miles, est.) **0** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

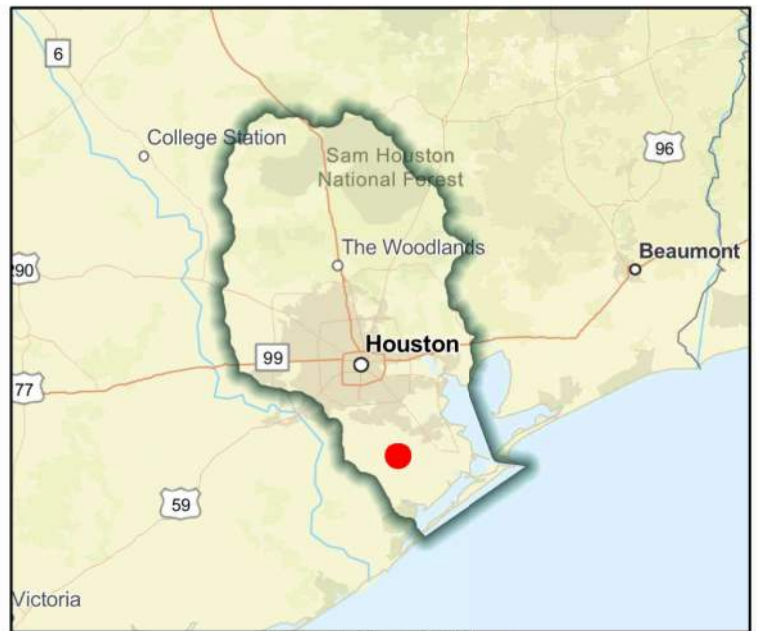
Population at risk **333** # of structures **128** Critical facilities **1**
Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **2**
Number of low water crossings **0** Historical road closures **0**

Estimated Cost and Funding Availability

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



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **City of Hillcrest Village Drainage Improvements**

ID# **061000049**

Sponsor (name of entity, not person) **Hillcrest Village (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study and FMP development required to assess alternatives to restore drainage and mitigate flooding throughout the City of Hillcrest Village.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Brazoria** Watershed HUC# (if known) **120402040400**

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

100-Year Flood Risk Summary

Population at risk **333** # of structures **128** Critical facilities **1**

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

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **2**

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

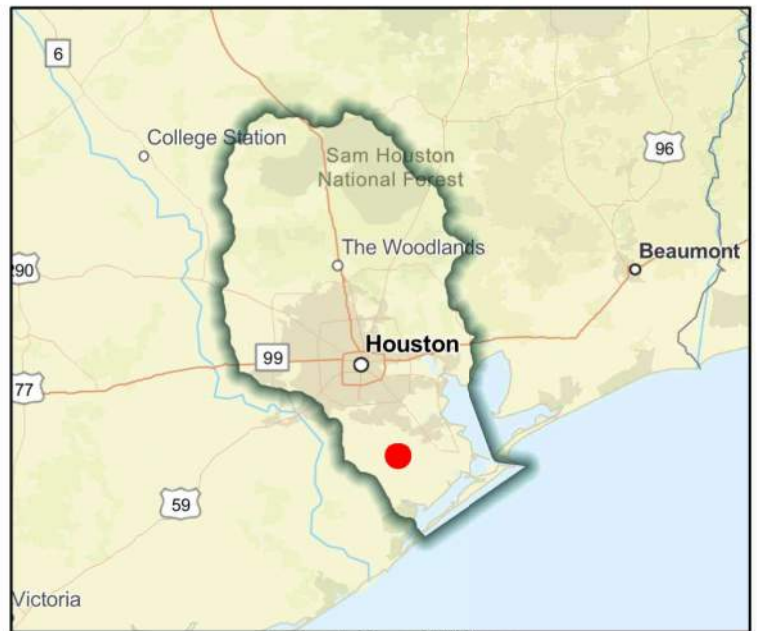
Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **City of Hillcrest Village Engineering Survey**
ID# **061000072**
Sponsor (name of entity, not person) **Hillcrest Village (Municipality)**
RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**
Study description **Conduct an engineering assessment to establish proper drainage for 24 Homes located in the high risk flood Zone.**
New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**
County **Brazoria** Watershed HUC# (if known) **120402040400**
Drainage area (Square miles, est.) **0** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

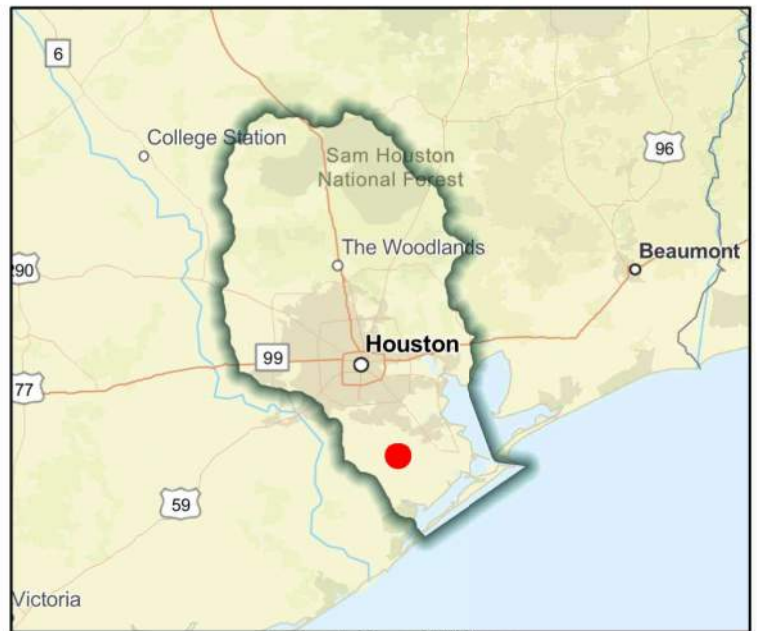
Population at risk **333** # of structures **128** Critical facilities **1**
Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **2**
Number of low water crossings **0** Historical road closures **0**

Estimated Cost and Funding Availability

Total Cost **\$300,000** Amount of Available Funding **-** Federal funding availability **Yes**
Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? Yes Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

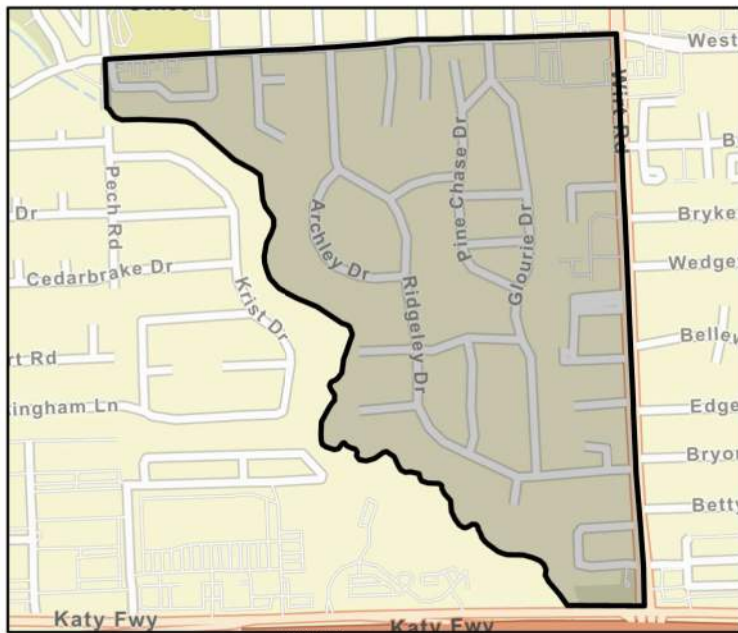
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

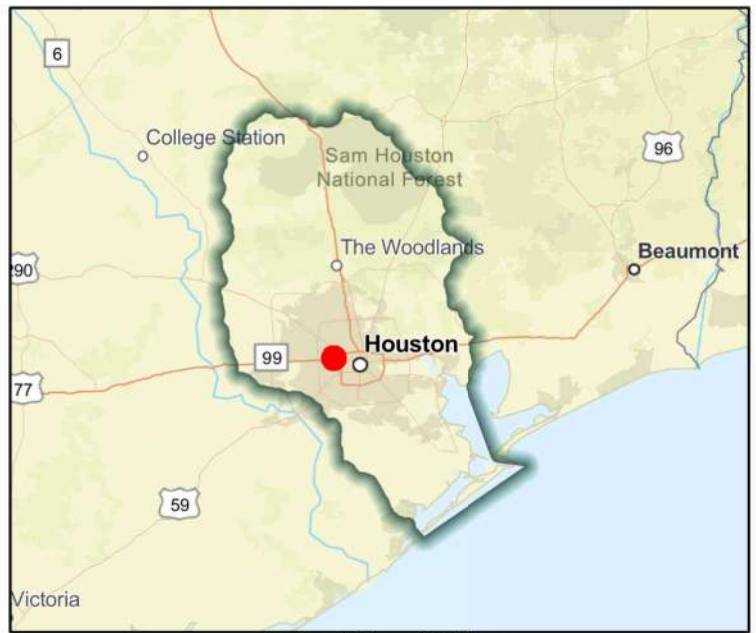
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? Yes Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

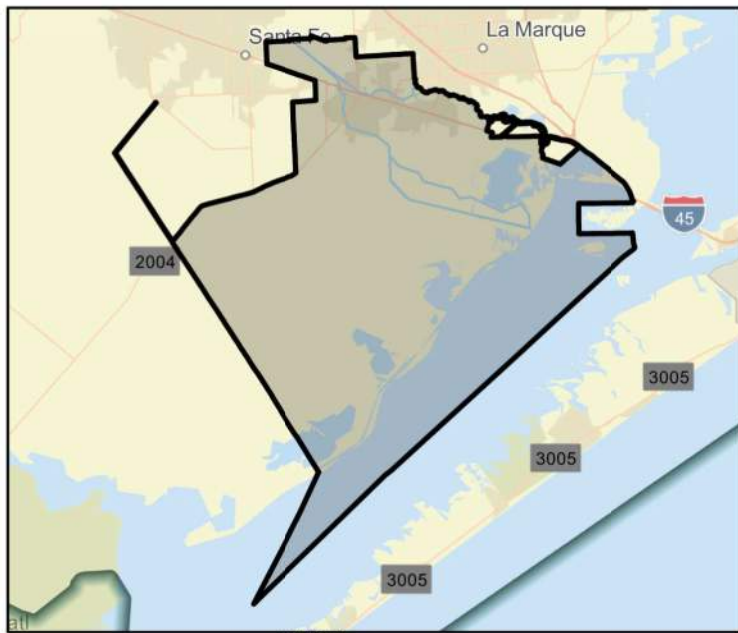
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

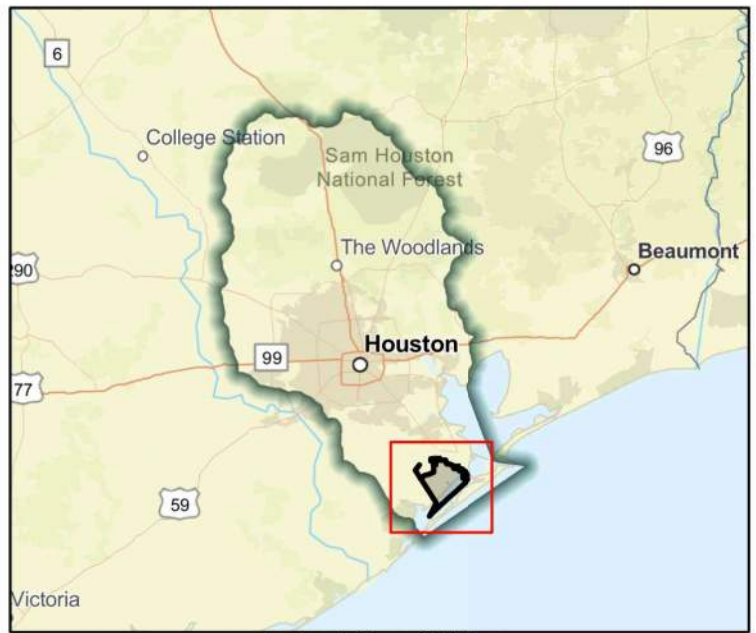
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Humble Master Drainage Plan**

ID# **061000246**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Harris** Watershed HUC# (if known) **120401010501,120401020213,120401040602**

Drainage area (Square miles, est.) **10** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **4,566** # of structures **652** Critical facilities **5**

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

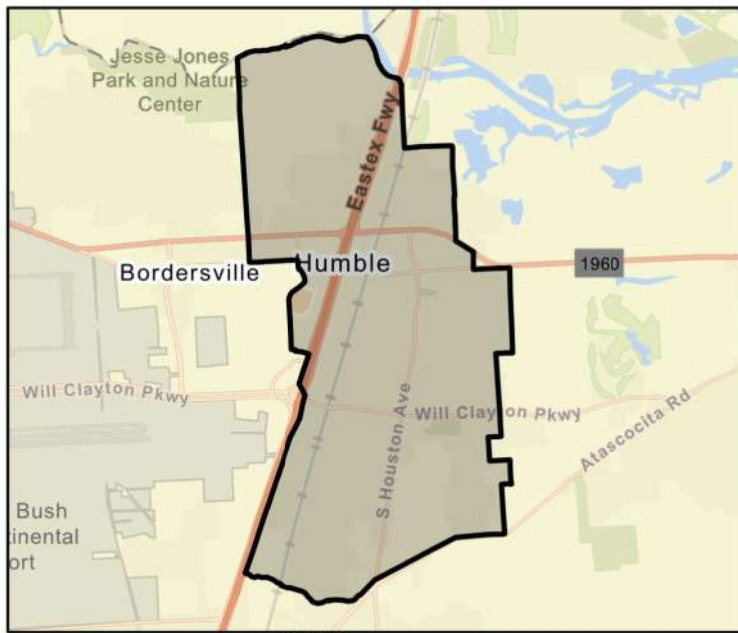
Farm/Ranch land impacted (acres) **25** Roadway(s) impacted (length) **17**

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

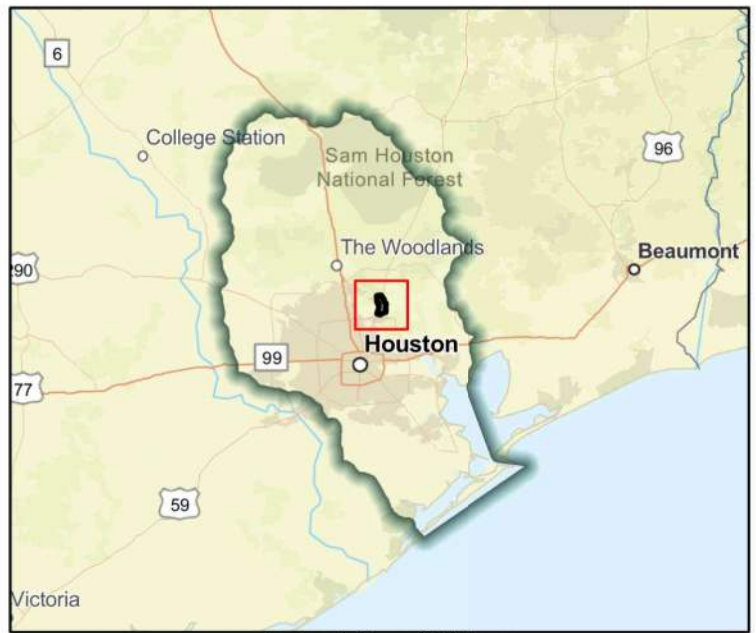
Estimated Cost and Funding Availability

Total Cost **\$320,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Hunters Creek Village Master Drainage Plan**

ID# **061000247**

Sponsor (name of entity, not person) **Hunters Creek Village (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Harris** Watershed HUC# (if known) **120401040303**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **369** # of structures **108** Critical facilities **1**

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

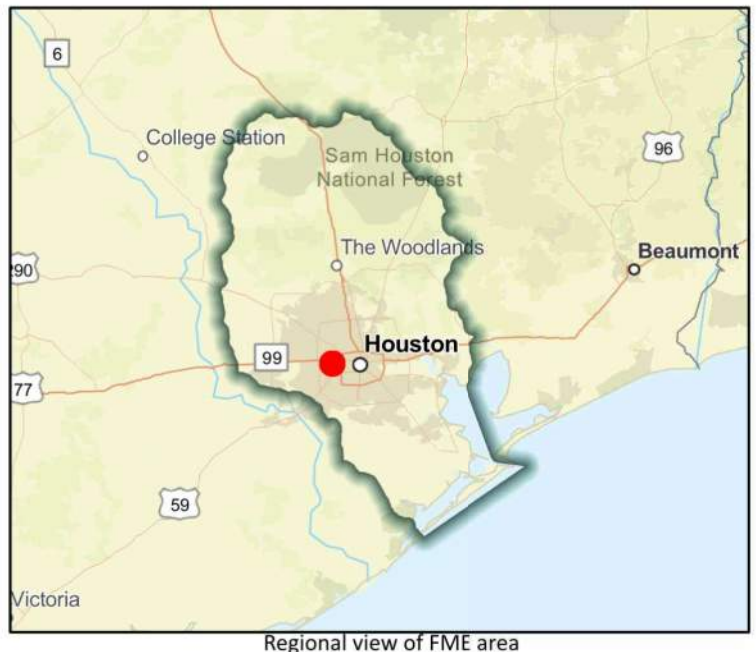
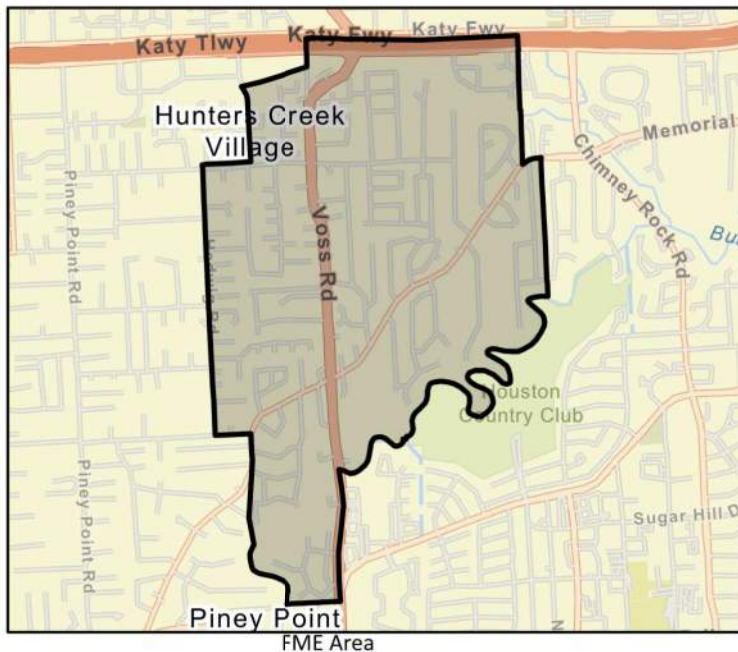
Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **1**

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

Estimated Cost and Funding Availability

Total Cost **\$190,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? Yes Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

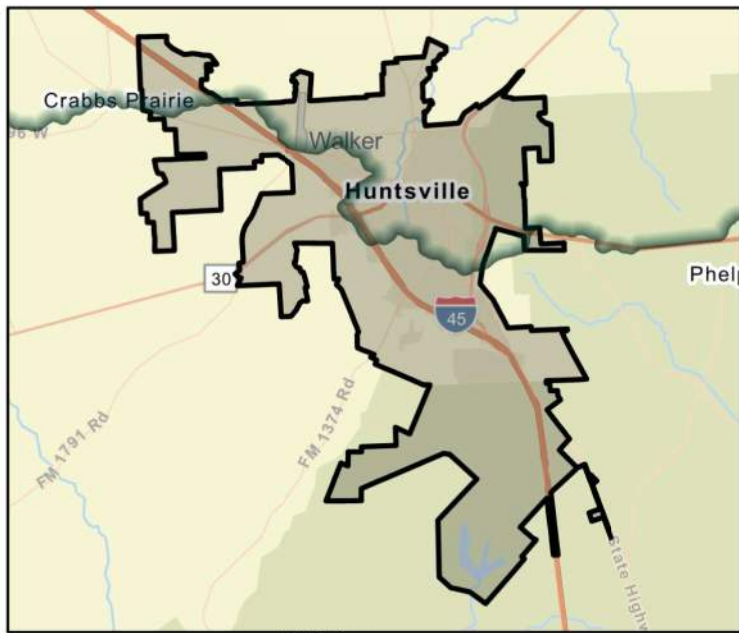
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

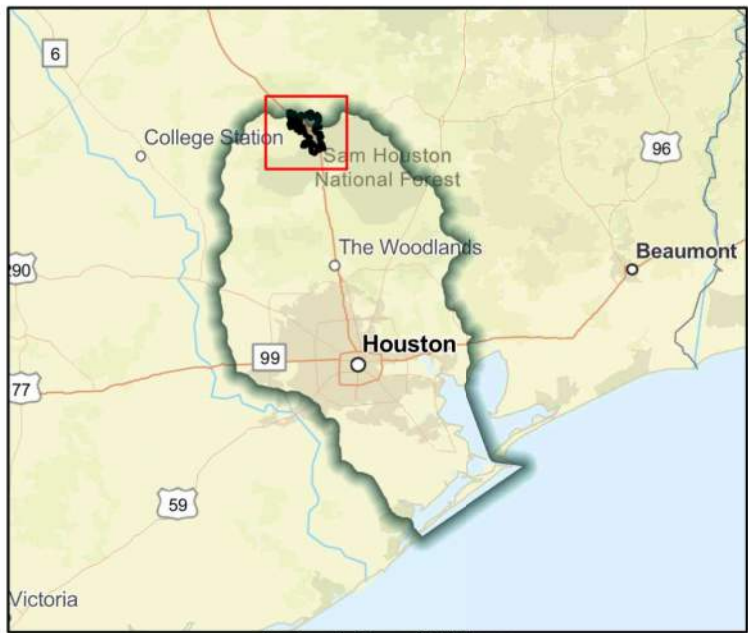
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? Yes Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

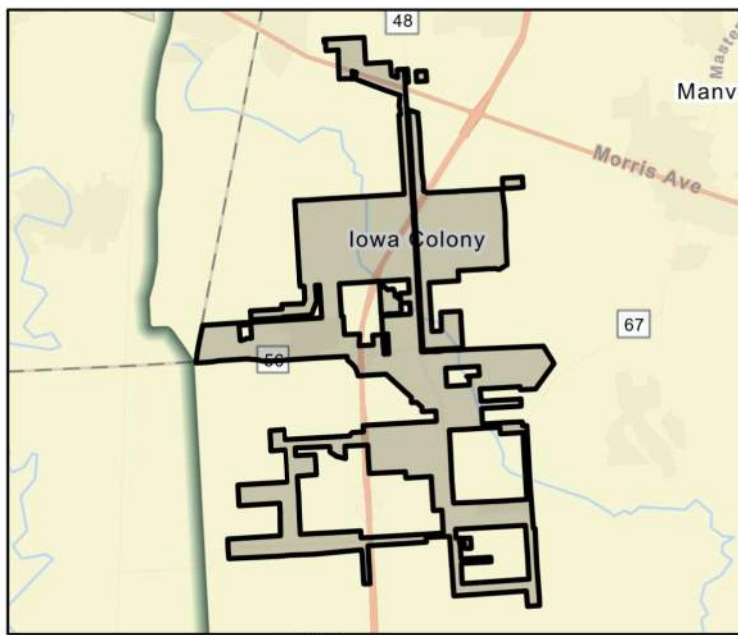
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

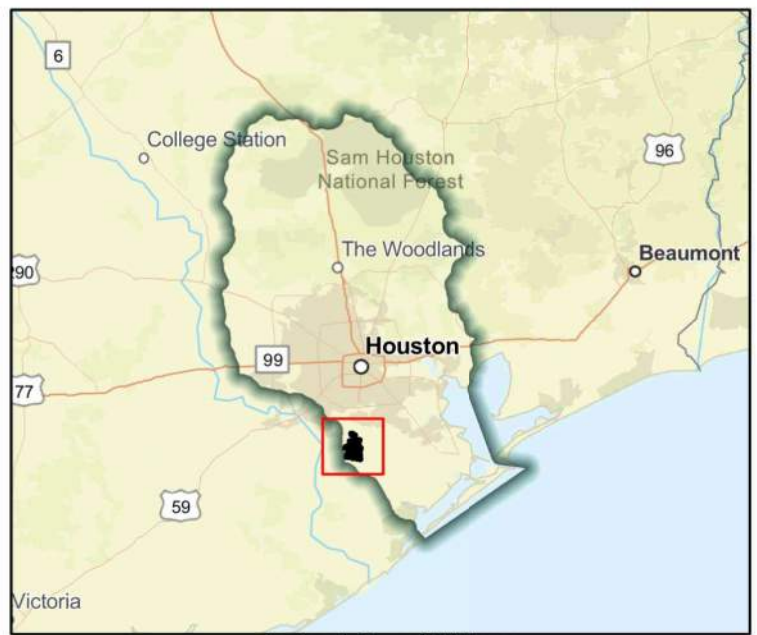
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

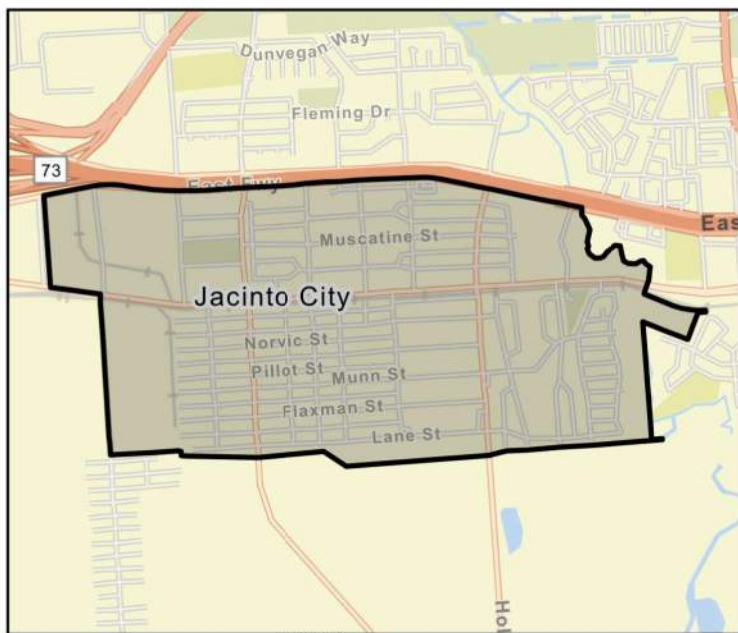
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

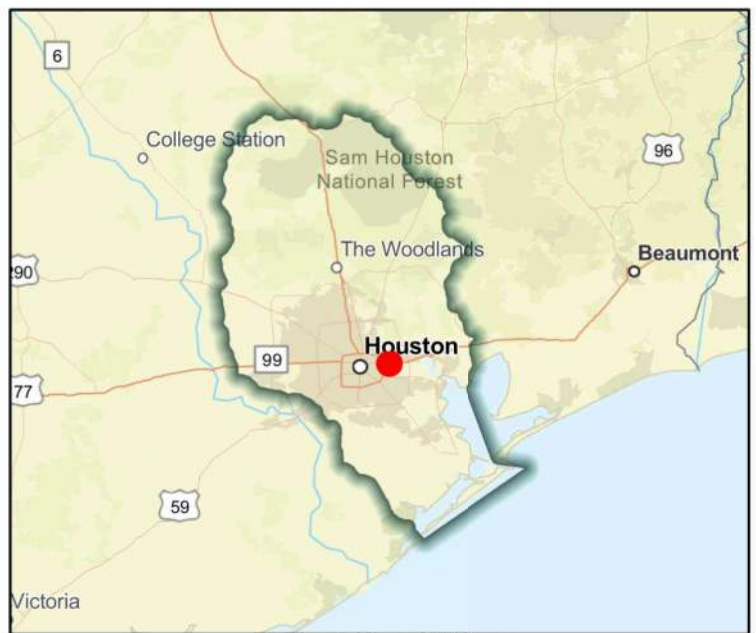
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **City of Jamaica Beach Master Drainage Plan**

ID# **061000251**

Sponsor (name of entity, not person) **Jamaica Beach (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**
Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

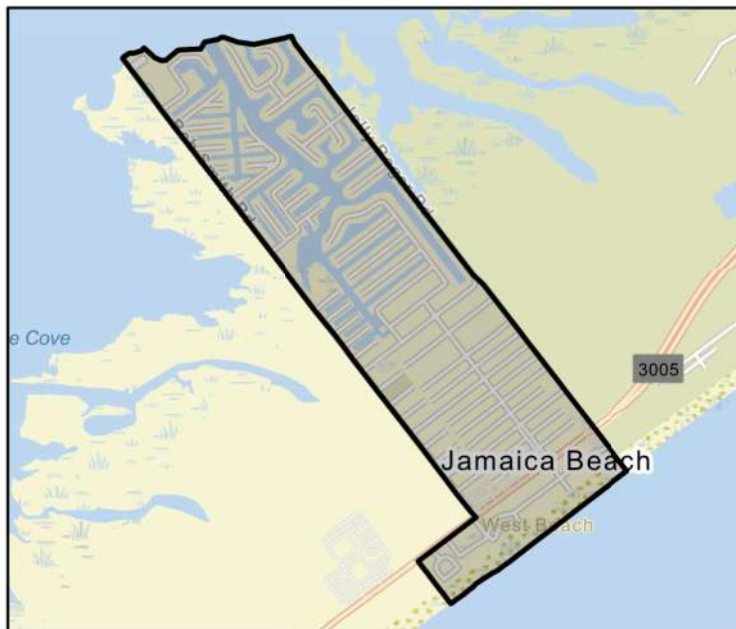
New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**
County **Galveston** Watershed HUC# (if known) **120402040300**
Drainage area (Square miles, est.) **1** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

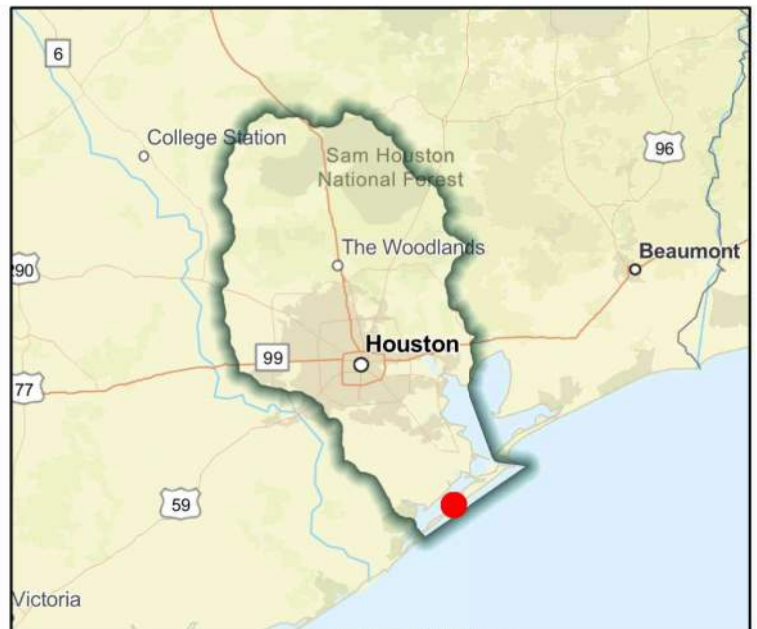
Population at risk **395** # of structures **1,276** Critical facilities **4**
Flood risk type: Riverine? **Yes** Coastal? **Yes** Local? **No** Playa? **No** Other? **No**
Farm/Ranch land impacted (acres) **3** Roadway(s) impacted (length) **14**
Number of low water crossings **-** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$140,000** Amount of Available Funding **-** Federal funding availability **Yes**
Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Katy Master Drainage Plan**

ID# **061000253**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Fort Bend,Harris,Waller** Watershed HUC# (if known) **120401040102,120401040103,120401040104,120401040101,120401040**

Drainage area (Square miles, est.) **15** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **2,216** # of structures **546** Critical facilities **8**

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

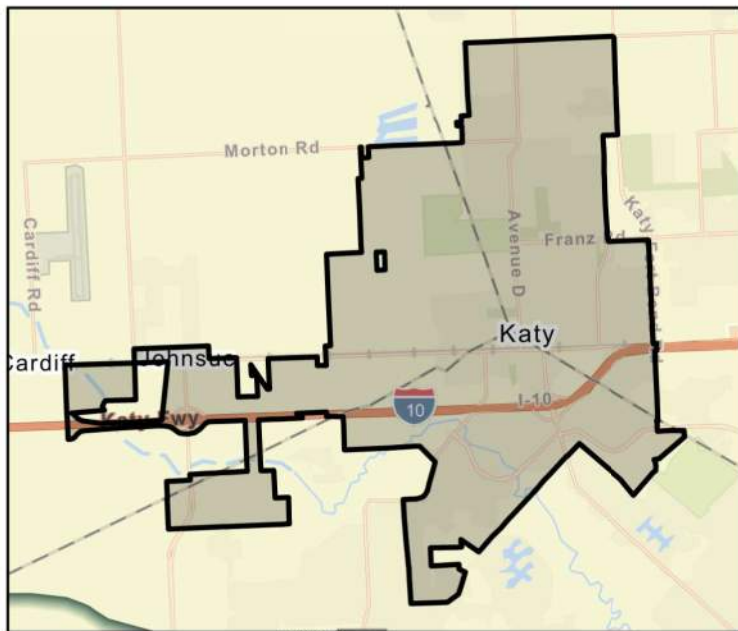
Farm/Ranch land impacted (acres) **22** Roadway(s) impacted (length) **10**

Number of low water crossings **4** Historical road closures **4**

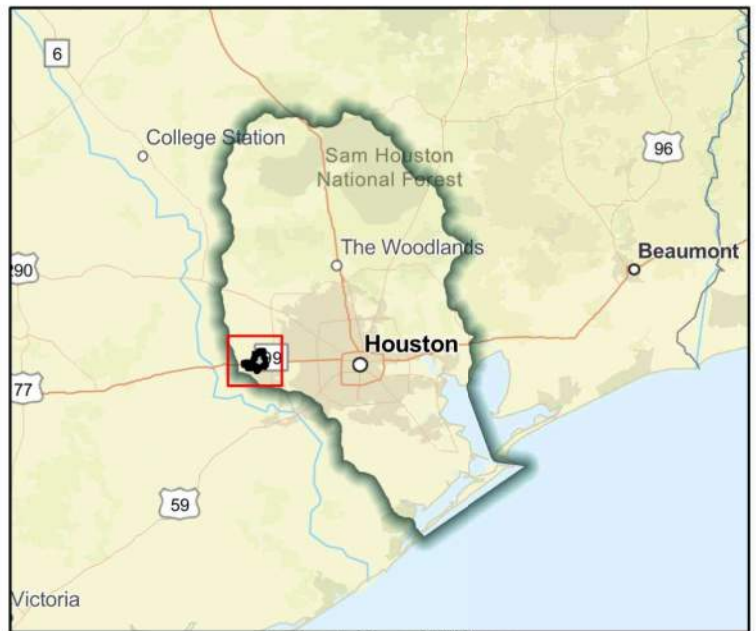
Estimated Cost and Funding Availability

Total Cost **\$360,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? Yes Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

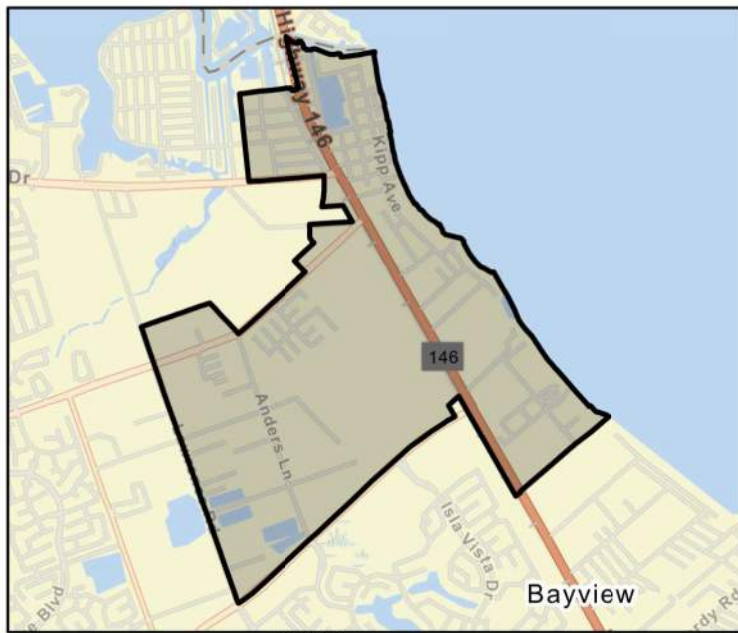
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

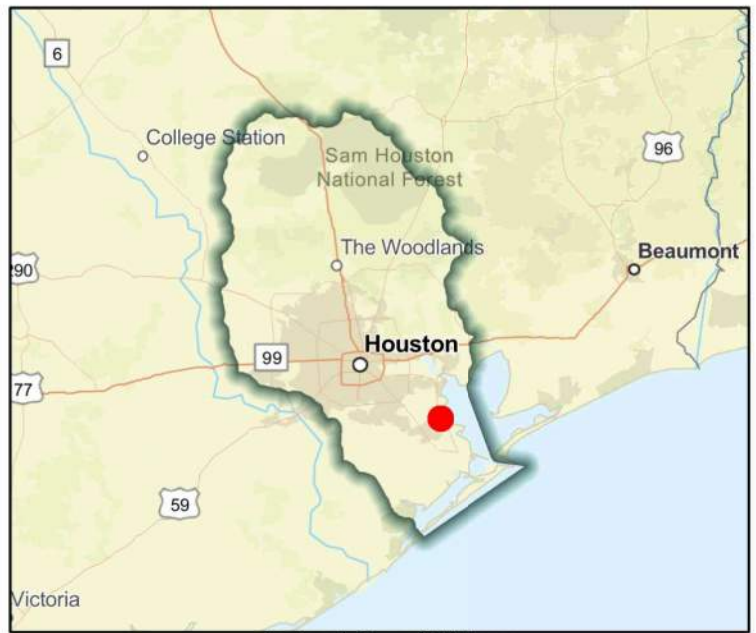
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of La Marque - East Side Storm water detention**

ID# **061000087**

Sponsor (name of entity, not person) **La Marque (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Feasibility study and a drainage analysis of the new pond row acquisition and associated conveyance improvements on a part of 10 acres of land.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Galveston** Watershed HUC# (if known) **120402040200**

Drainage area (Square miles, est.) **14** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **1,612** # of structures **829** Critical facilities **8**

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

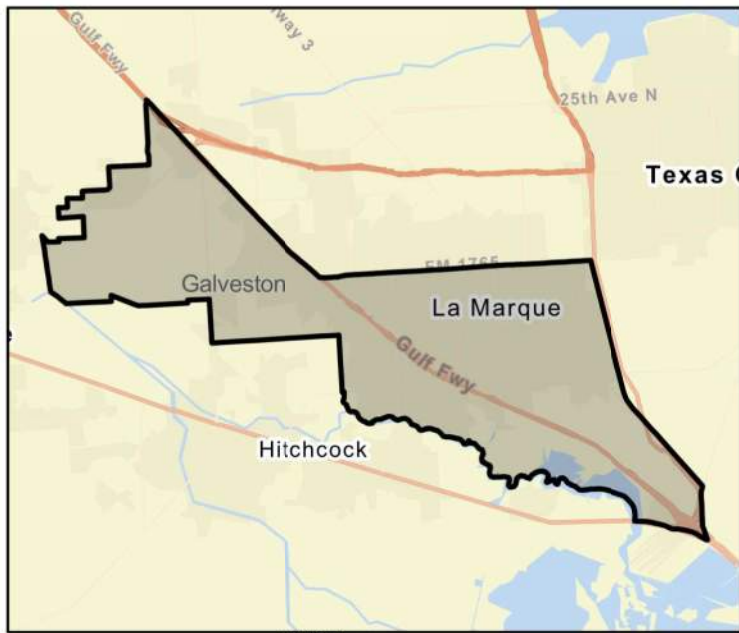
Farm/Ranch land impacted (acres) **38** Roadway(s) impacted (length) **31**

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

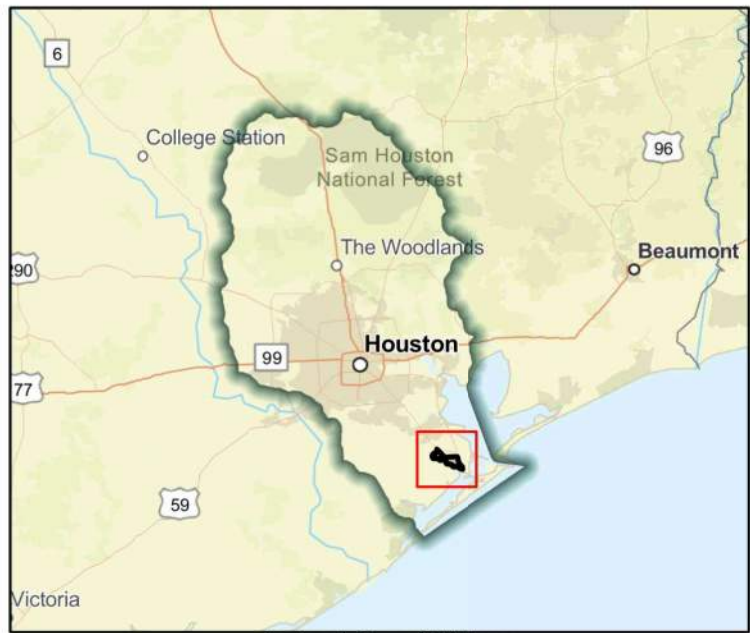
Estimated Cost and Funding Availability

Total Cost **\$360,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of La Marque Master Drainage Plan**

ID# **061000255**

Sponsor (name of entity, not person) **La Marque (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Galveston** Watershed HUC# (if known) **120402040200**

Drainage area (Square miles, est.) **14** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **1,612** # of structures **829** Critical facilities **8**

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

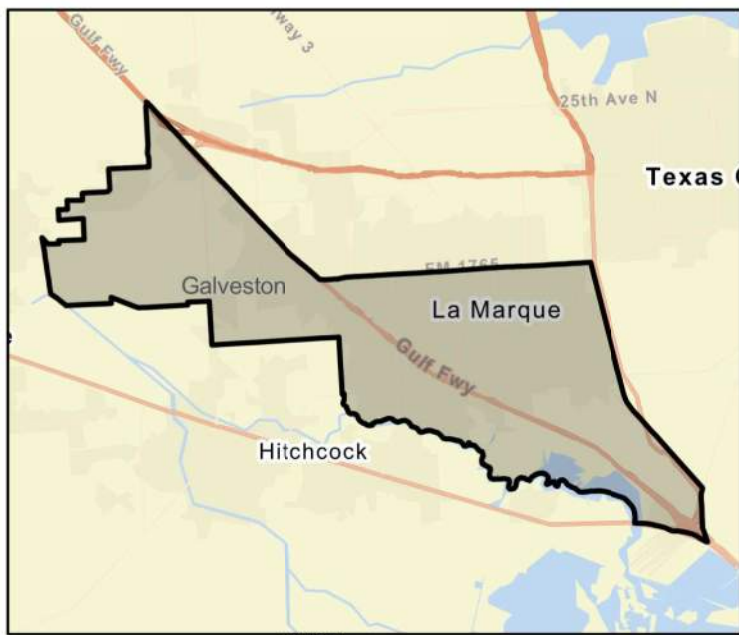
Farm/Ranch land impacted (acres) **38** Roadway(s) impacted (length) **31**

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

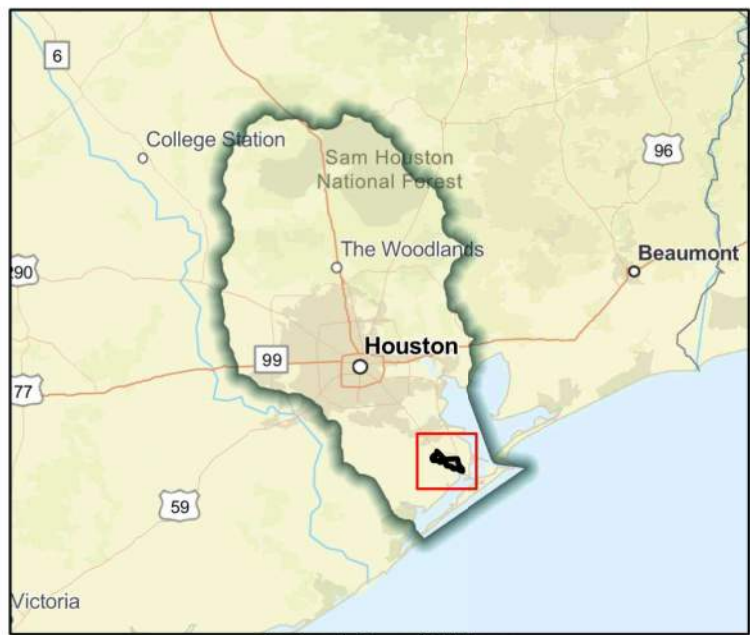
Estimated Cost and Funding Availability

Total Cost **\$360,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? Yes Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

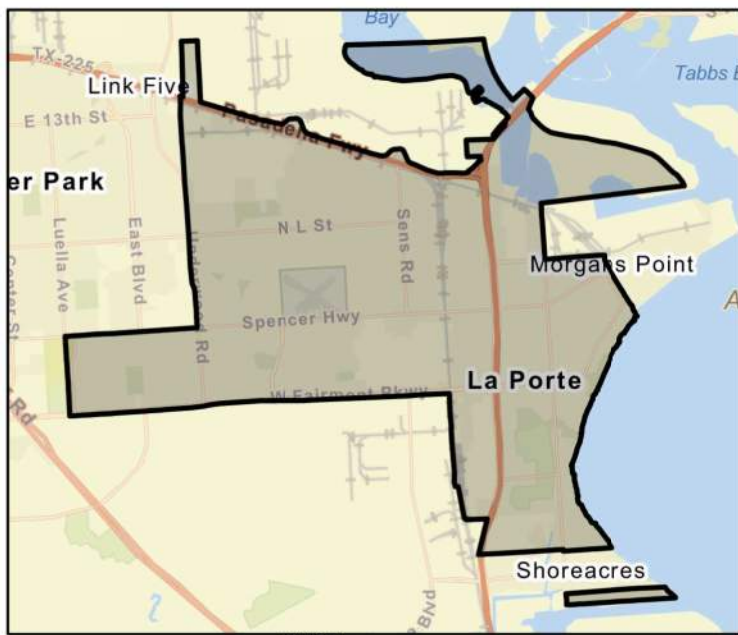
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

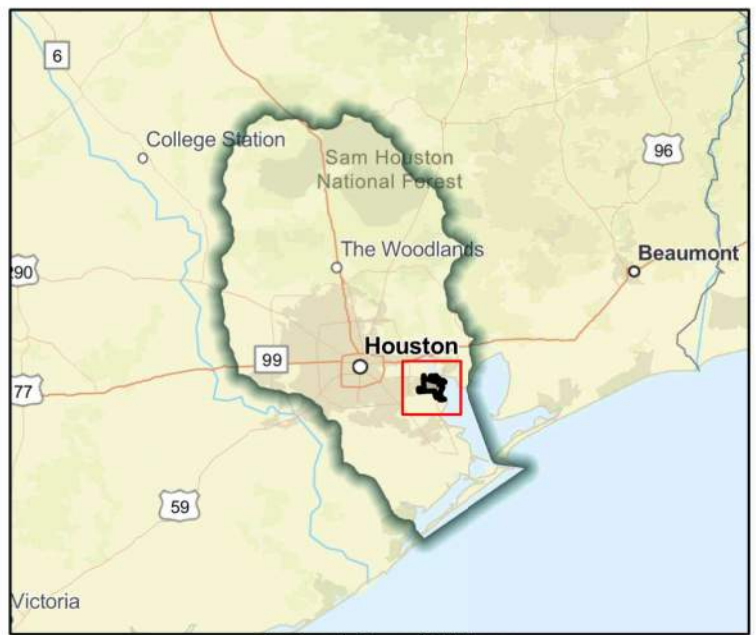
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of League City - Kansas Street Drainage**

ID# **061000088**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study and FMP development of proposed street drainage modifications to Kansas Street.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Galveston,Harris** Watershed HUC# (if known) **120402040200,120402040100**

Drainage area (Square miles, est.) **53** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **20,978** # of structures **5,251** Critical facilities **25**

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

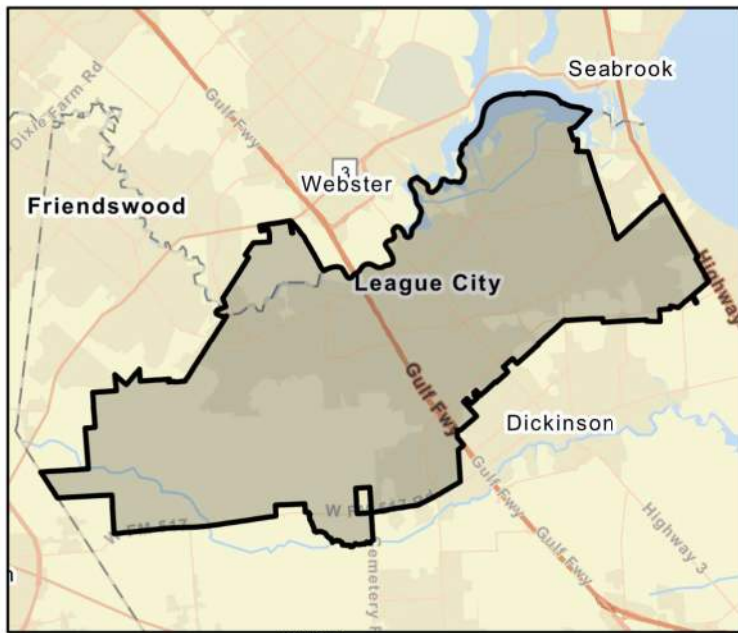
Farm/Ranch land impacted (acres) **1,308** Roadway(s) impacted (length) **105**

Number of low water crossings **2** Historical road closures **2**

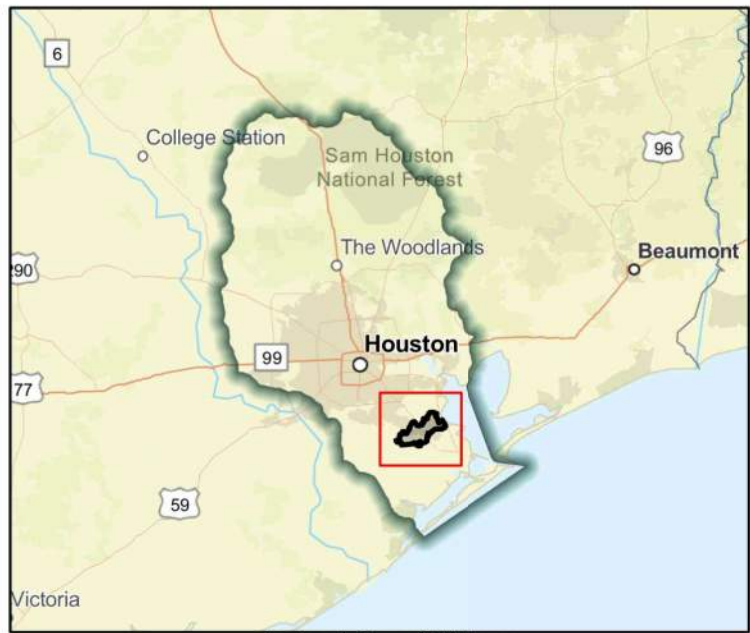
Estimated Cost and Funding Availability

Total Cost **\$580,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? Yes Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

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

Number of low water crossings Historical road closures

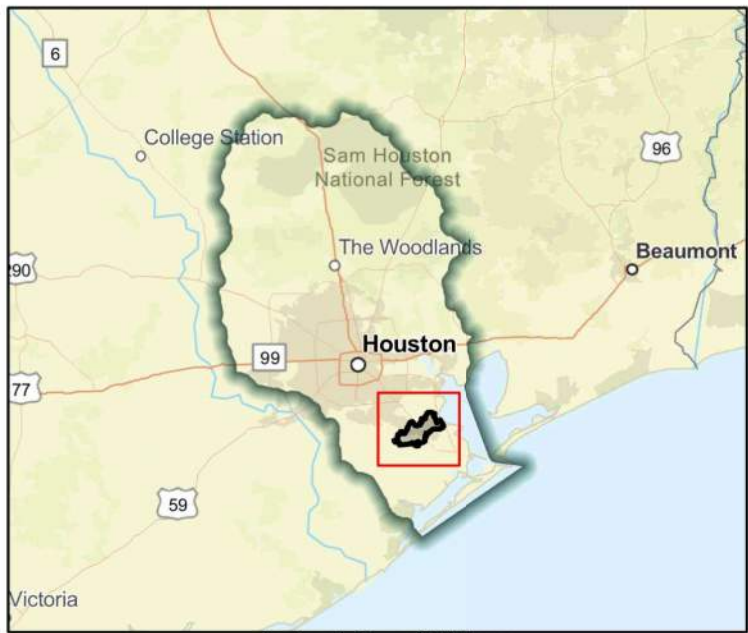
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Liverpool Master Drainage Plan**

ID# **061000258**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Brazoria** Watershed HUC# (if known) **120402040400**

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

100-Year Flood Risk Summary

Population at risk **104** # of structures **130** Critical facilities **0**

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

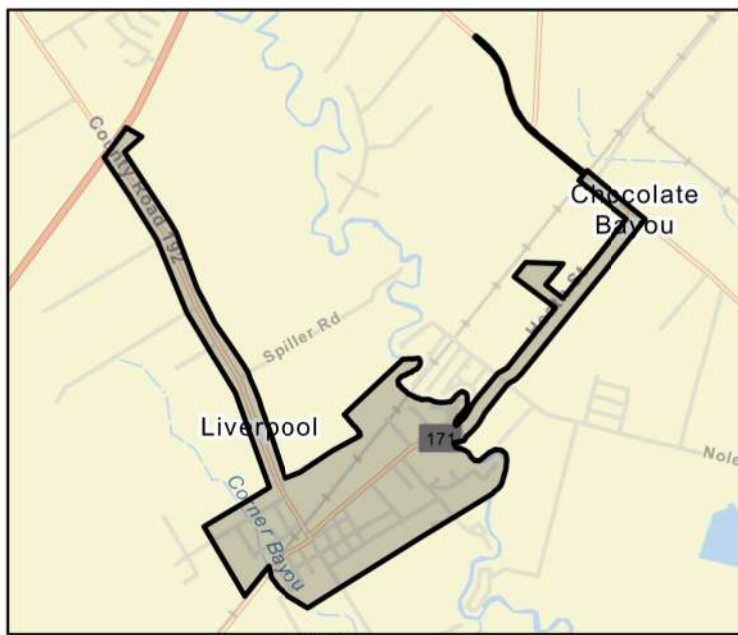
Farm/Ranch land impacted (acres) **5** Roadway(s) impacted (length) **3**

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

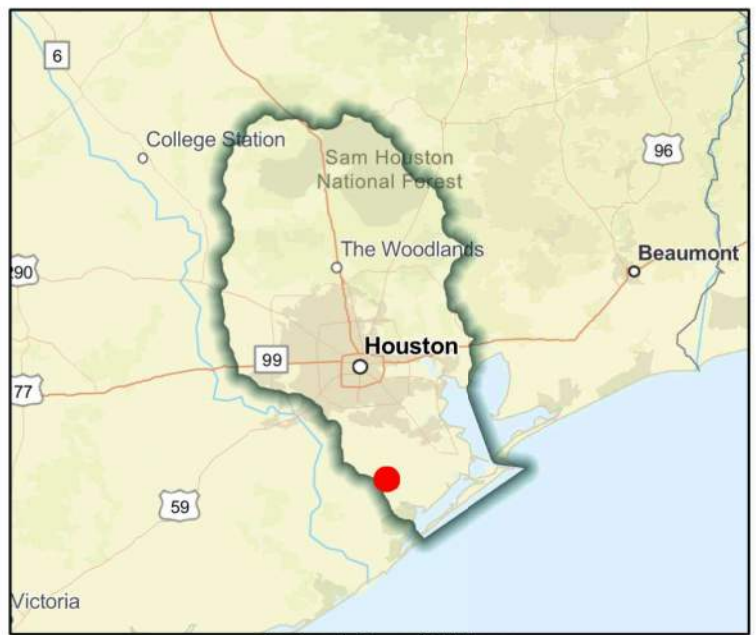
Estimated Cost and Funding Availability

Total Cost **\$160,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Magnolia Master Drainage Plan**

ID# **061000259**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Montgomery** Watershed HUC# (if known) **120401020204,120401020207,120401020208**

Drainage area (Square miles, est.) **3** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **60** # of structures **23** Critical facilities **0**

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

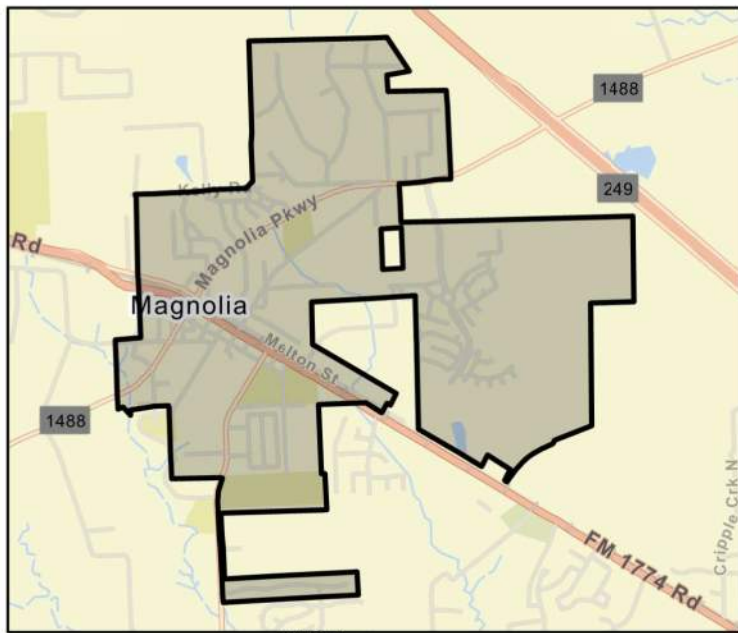
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **1**

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

Estimated Cost and Funding Availability

Total Cost **\$210,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? Yes Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

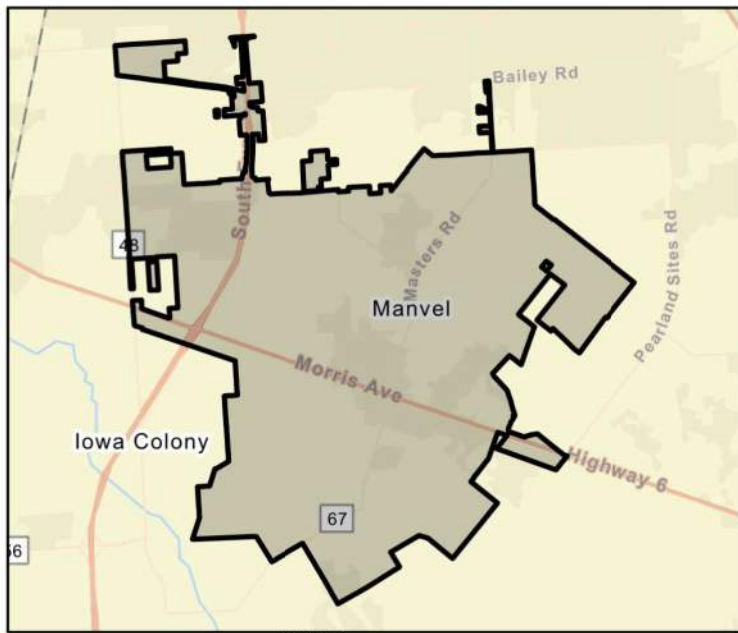
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

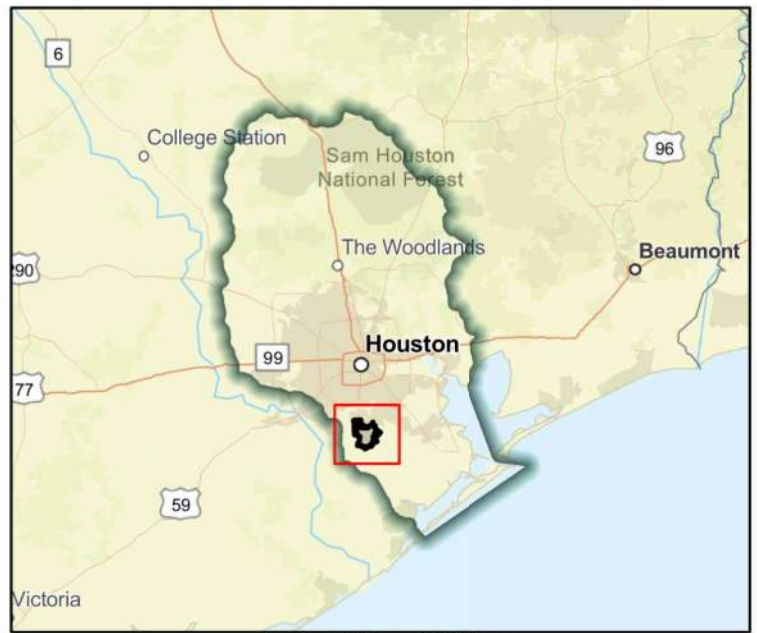
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Manvel Flora St. Drainage Improvements**

ID# **061000045**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study of possible Flora Street drainage improvements: widen and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding in Manvel neighborhoods.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Brazoria** Watershed HUC# (if known) **120402040200,120402040400,120402040100**

Drainage area (Square miles, est.) **27** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **8,190** # of structures **1,250** Critical facilities **8**

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

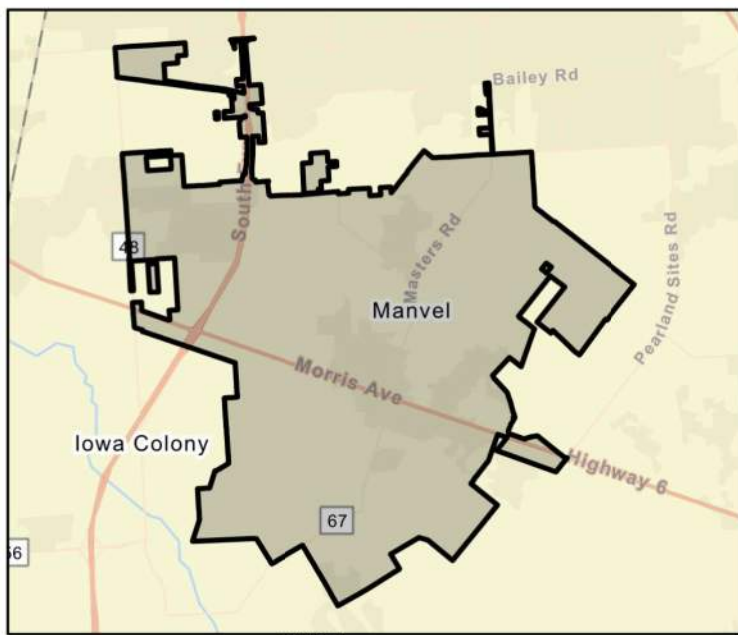
Farm/Ranch land impacted (acres) **179** Roadway(s) impacted (length) **43**

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

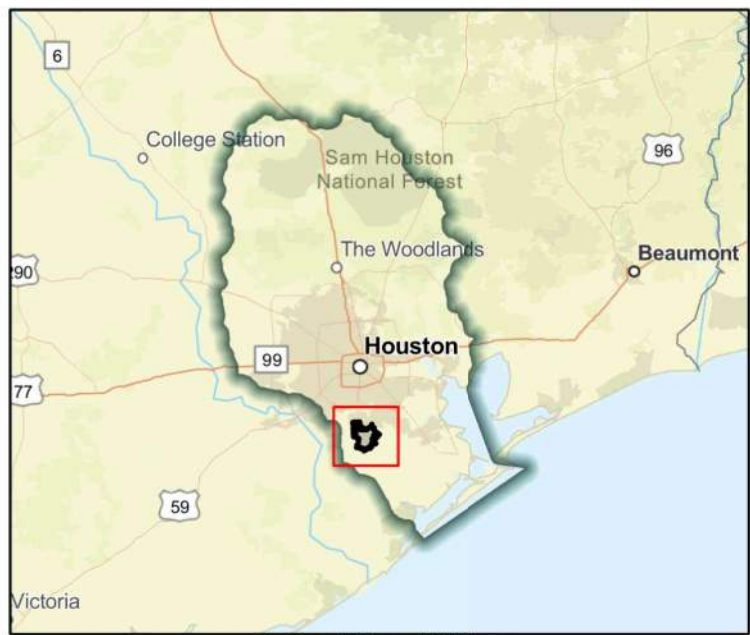
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Reason for Recommendation

Study Details

Study type

Study description

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

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

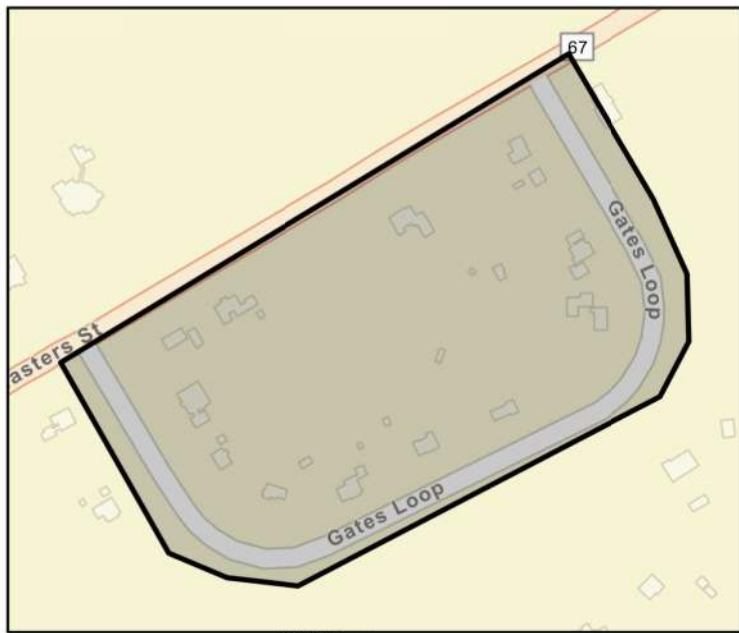
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

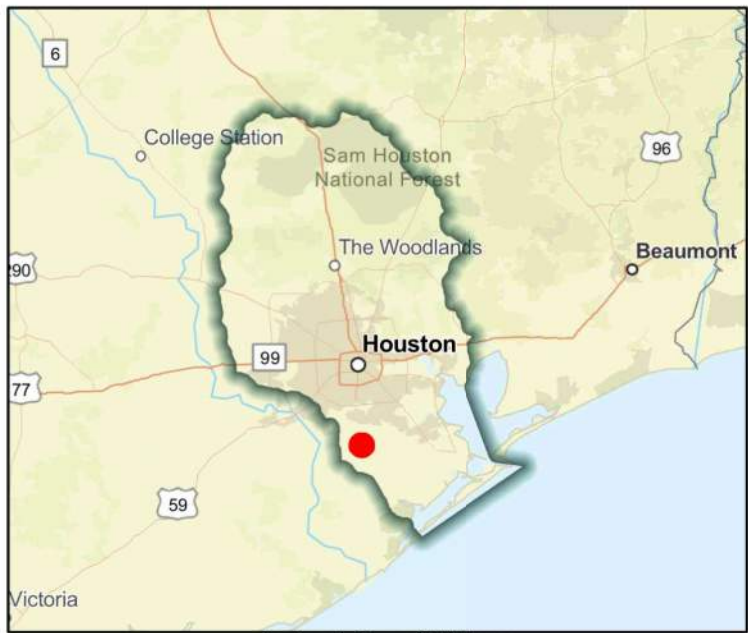
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Manvel Rogers Rd. Drainage Improvements**

ID# **061000415**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study Alleluia Trail Rogers Rd & All Roads off Rogers drainage improvements, including storm sewer rehabilitation and ditch deepening.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Brazoria** Watershed HUC# (if known) **120402040100,120402040400,120402040200**

Drainage area (Square miles, est.) **27** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **8,190** # of structures **1,250** Critical facilities **8**

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

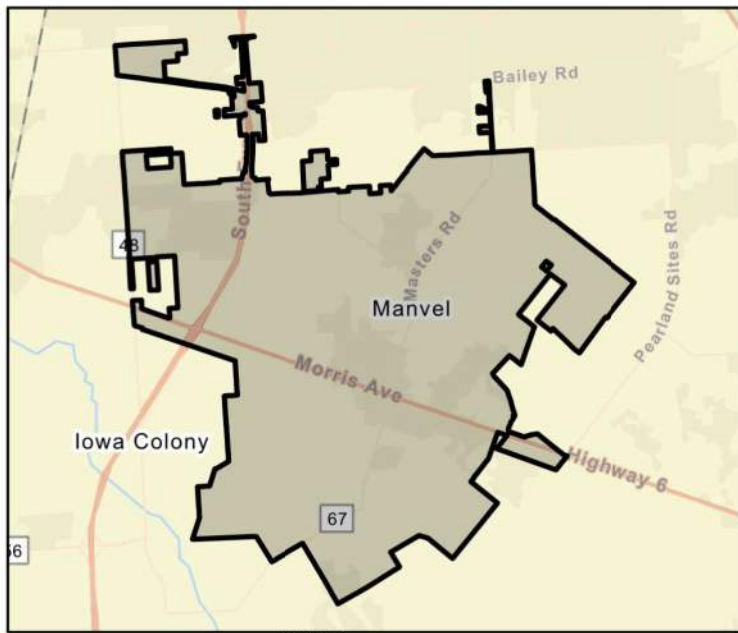
Farm/Ranch land impacted (acres) **179** Roadway(s) impacted (length) **43**

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

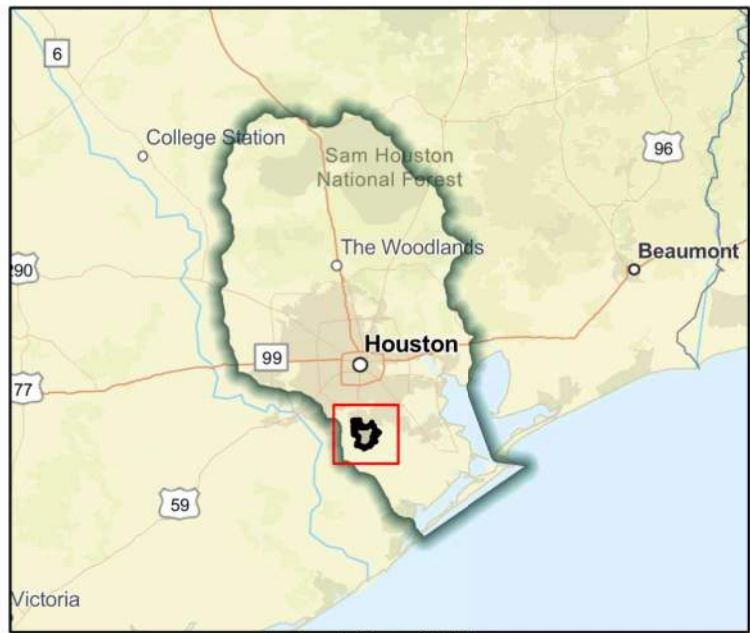
Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Manvel SH. 6 Drainage Improvements**

ID# **061000041**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of state Highway 6 drainage improvements, including storm sewer upgrades to meet current capacities, ditch deepening, and sub regional detention ponds. Project will also widen and reshape ditches, and upgrade culverts.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Brazoria** Watershed HUC# (if known) **120402040200,120402040400,120402040100**

Drainage area (Square miles, est.) **27** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **8,190** # of structures **1,250** Critical facilities **8**

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

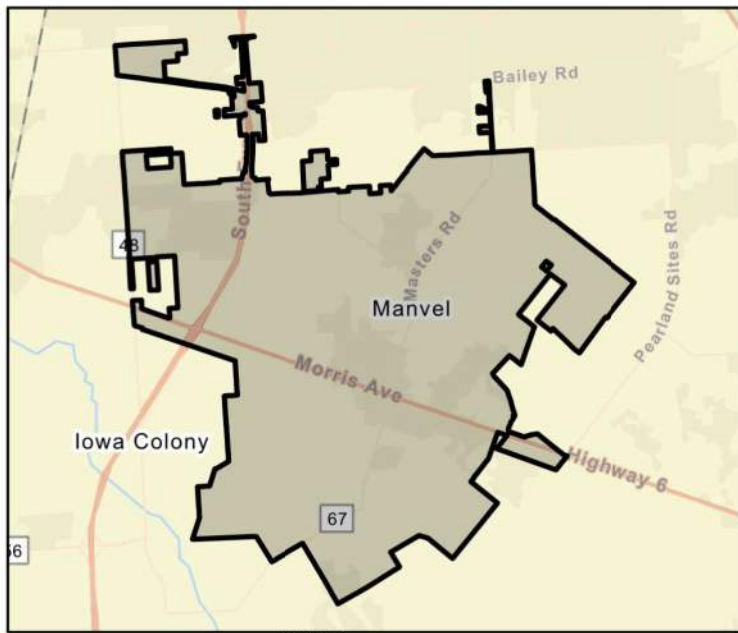
Farm/Ranch land impacted (acres) **179** Roadway(s) impacted (length) **43**

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

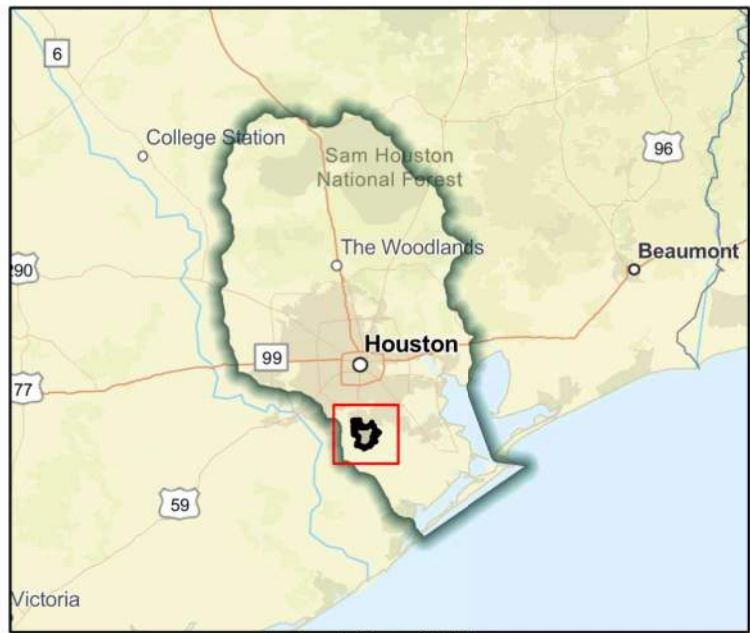
Estimated Cost and Funding Availability

Total Cost **\$3,000,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

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

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

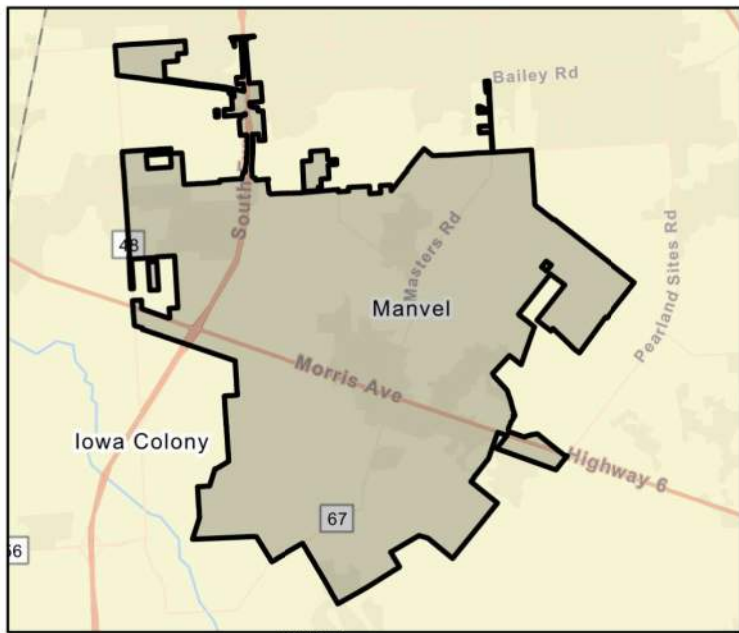
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

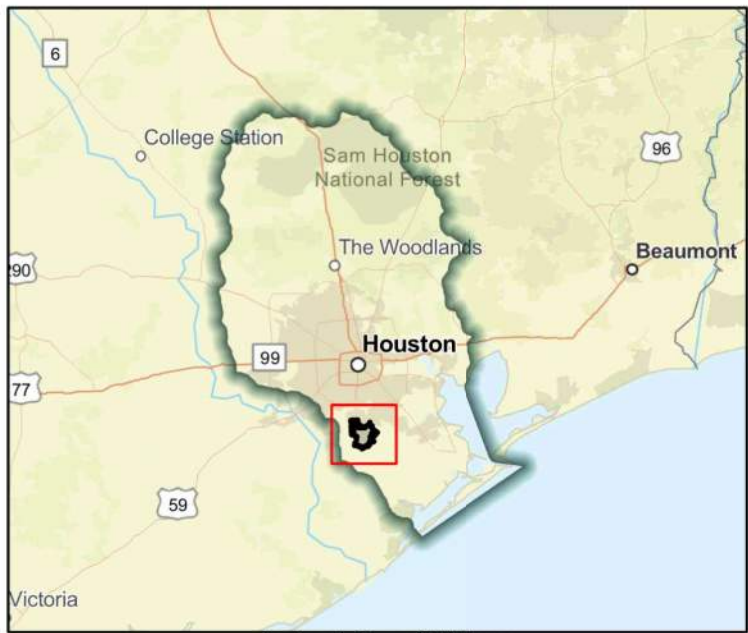
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? Yes Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

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

Number of low water crossings Historical road closures

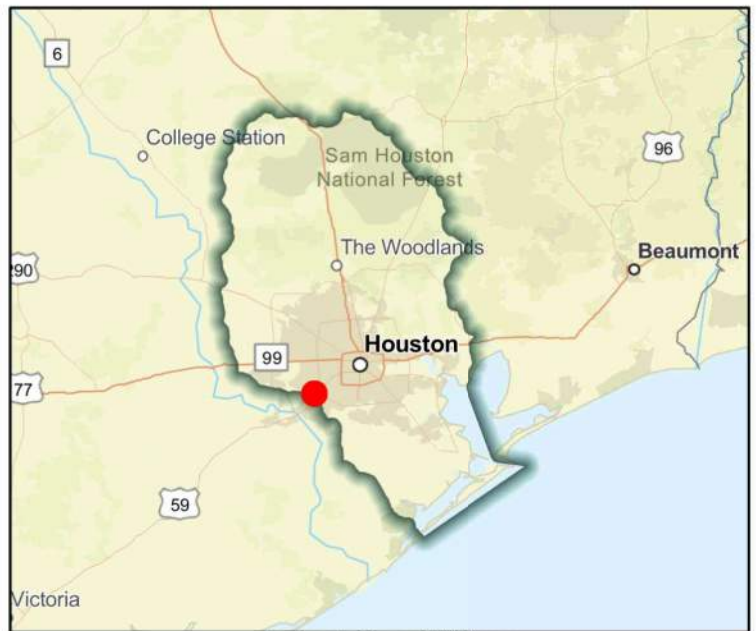
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

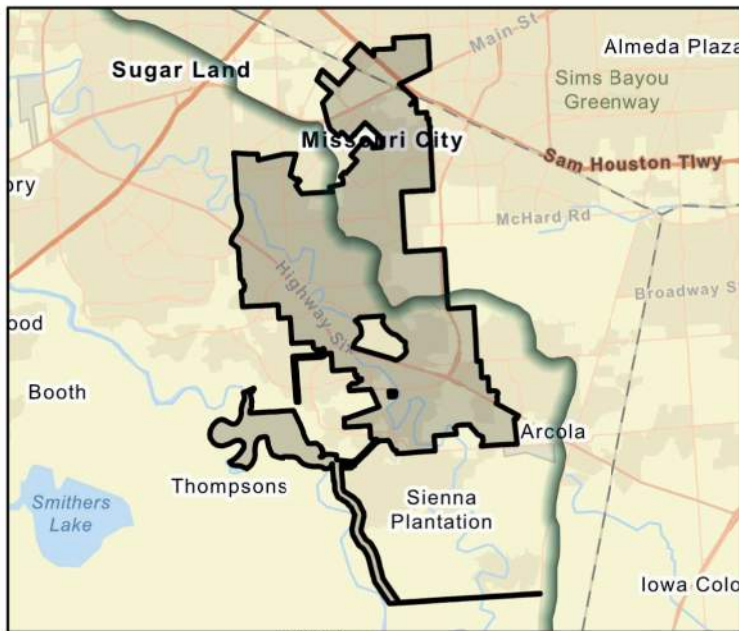
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

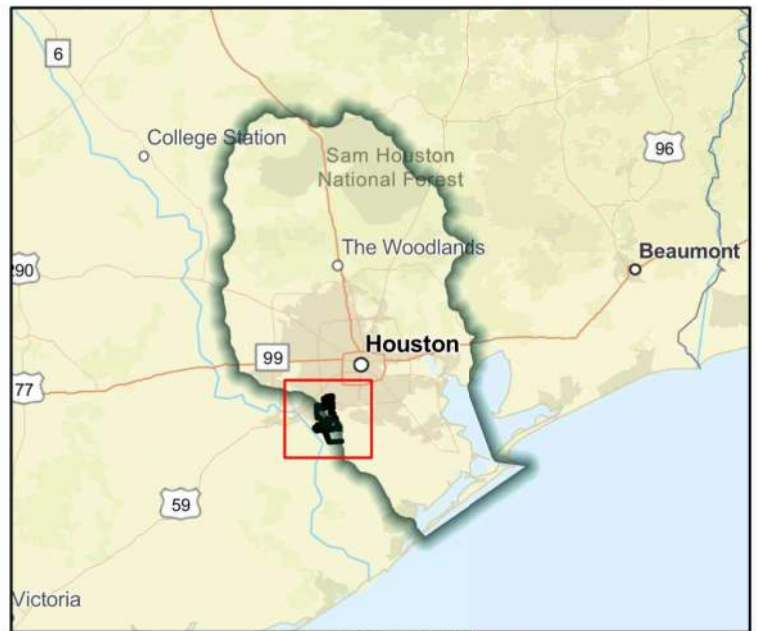
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

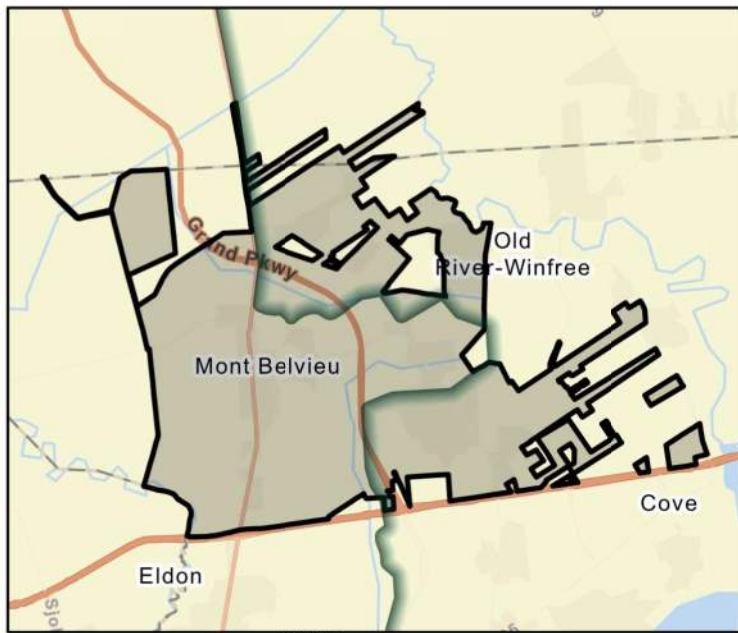
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Montgomery Master Drainage Plan**

ID# **061000264**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Montgomery** Watershed HUC# (if known) **120401010307,120401010206**

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

100-Year Flood Risk Summary

Population at risk **11** # of structures **27** Critical facilities **0**

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

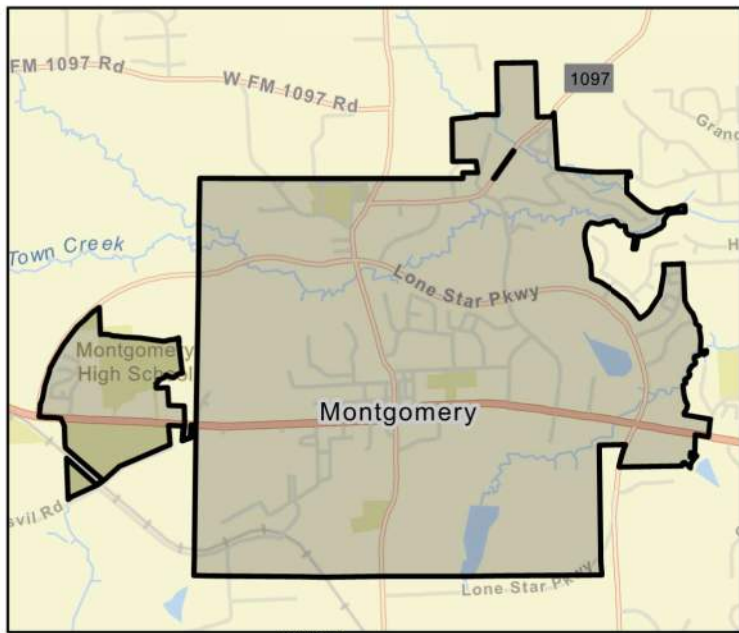
Farm/Ranch land impacted (acres) **3** Roadway(s) impacted (length) **1**

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

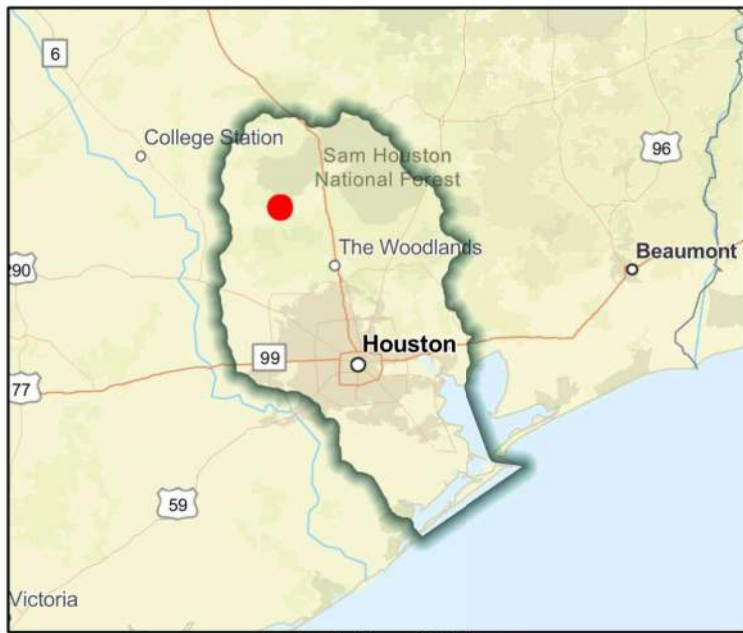
Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? Yes Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

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

Number of low water crossings Historical road closures

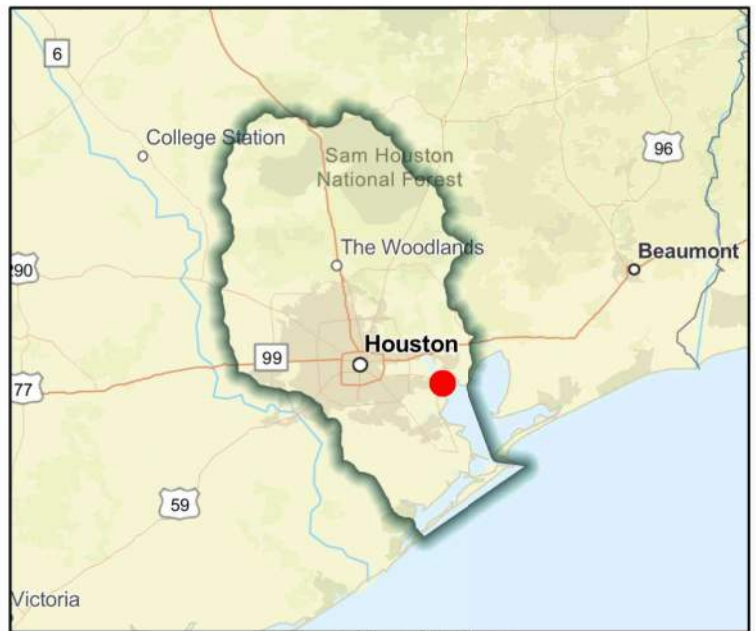
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Nassau Bay Master Drainage Plan**

ID# **061000266**

Sponsor (name of entity, not person) **Nassau Bay (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Galveston,Harris** Watershed HUC# (if known) **120402040100**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **7,735** # of structures **1,022** Critical facilities **19**

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

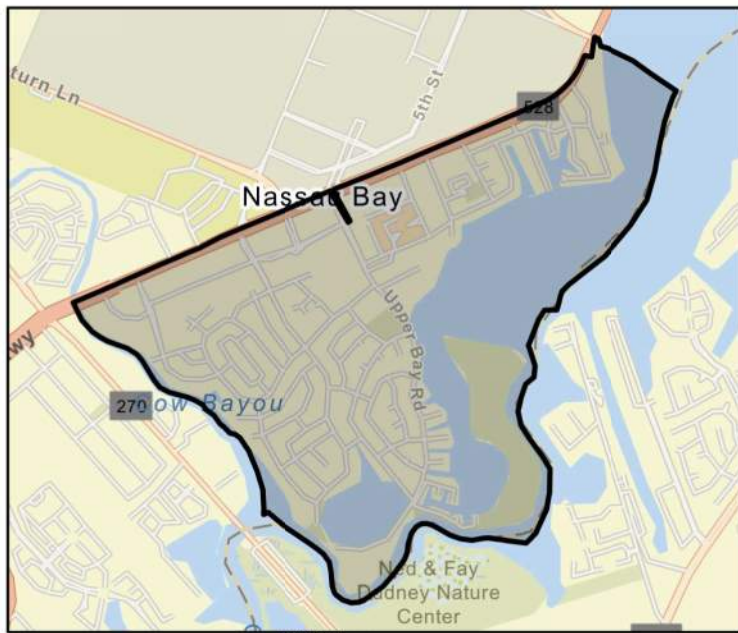
Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **18**

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

Estimated Cost and Funding Availability

Total Cost **\$180,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

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

Number of low water crossings Historical road closures

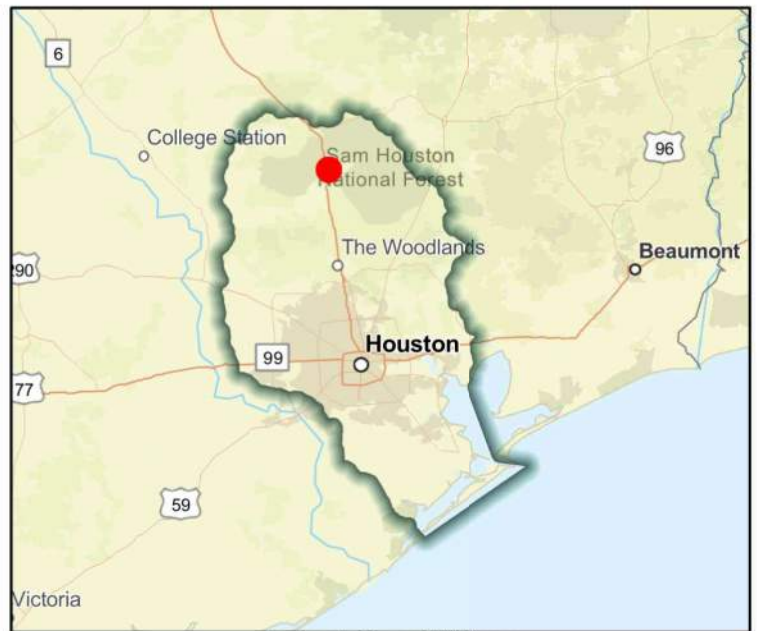
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

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

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

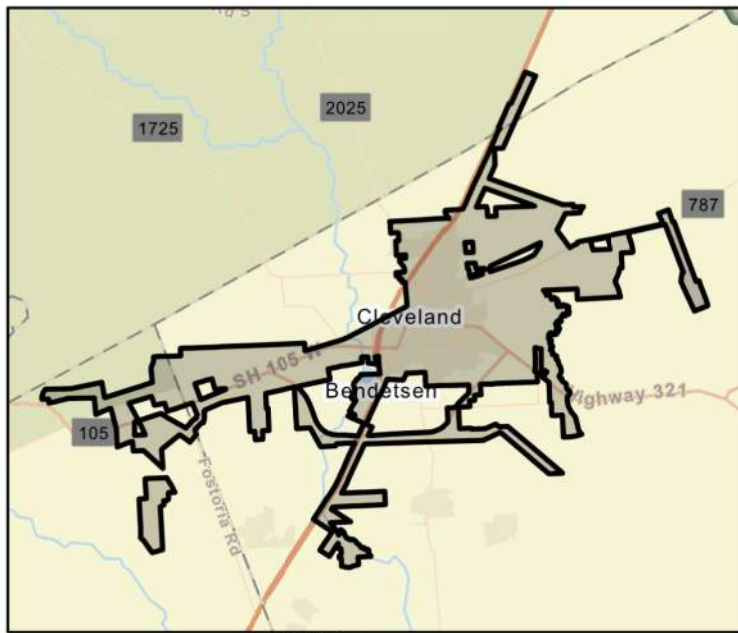
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

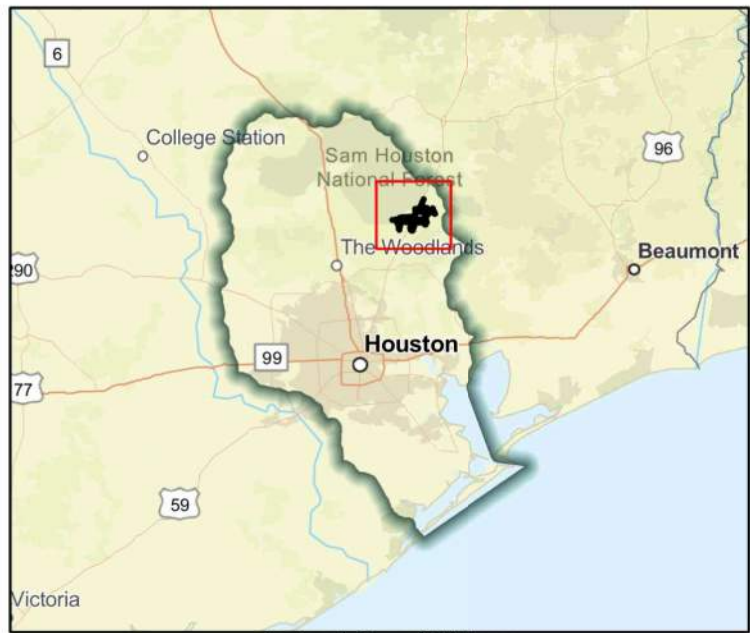
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

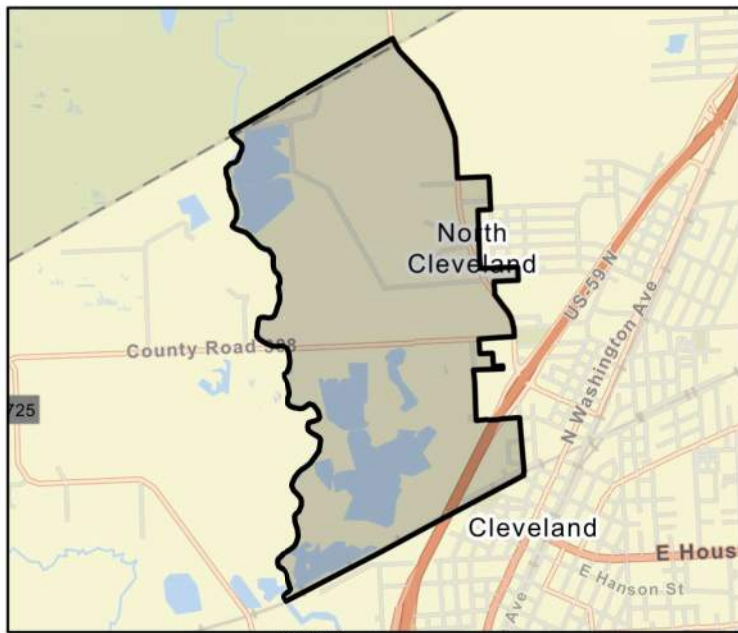
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

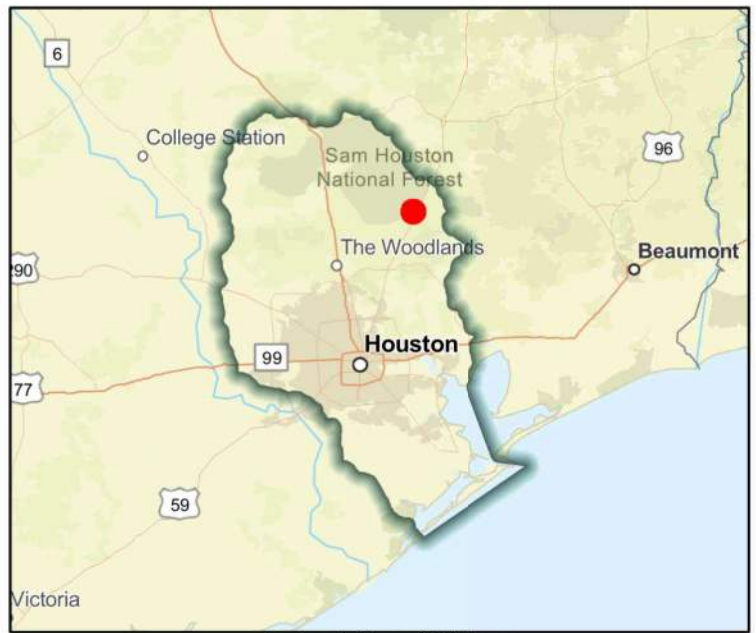
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? Yes Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

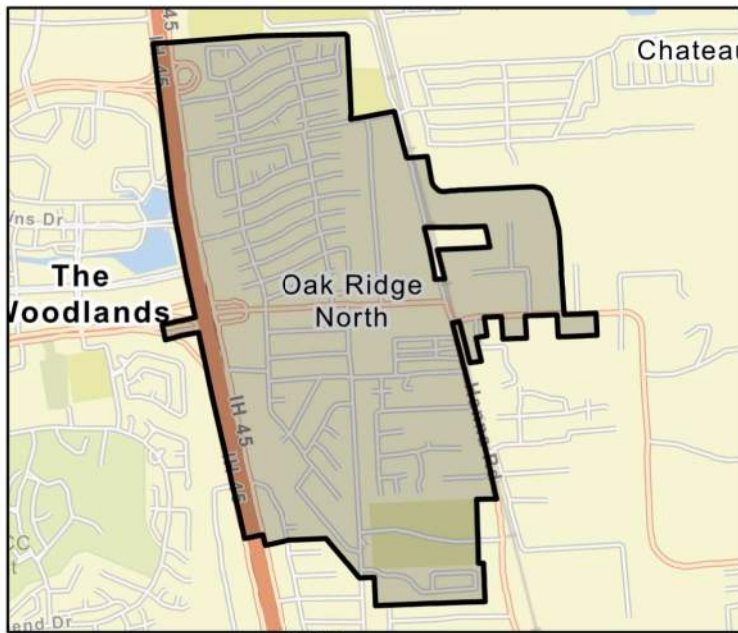
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

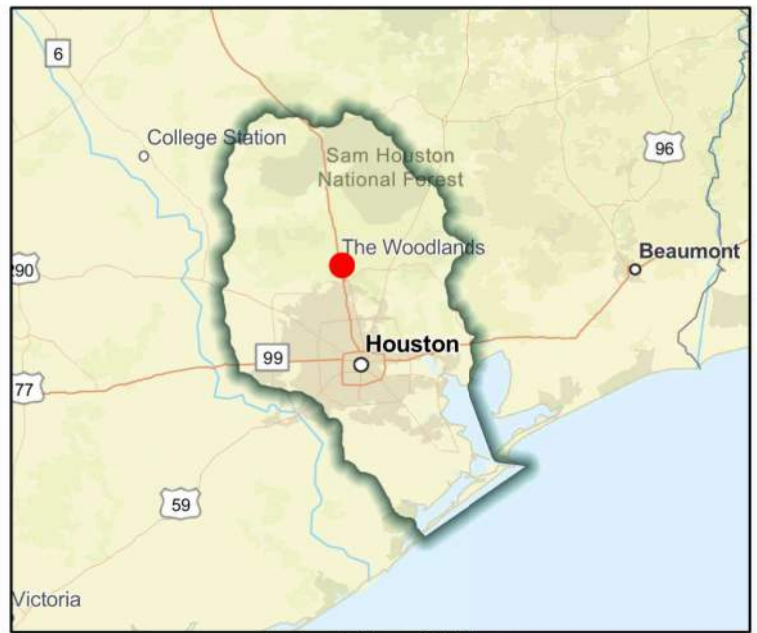
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Panorama Village Master Drainage Plan**

ID# **061000270**

Sponsor (name of entity, not person) **Panorama Village (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

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

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

100-Year Flood Risk Summary

Population at risk **136** # of structures **77** Critical facilities **10**

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

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

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

Estimated Cost and Funding Availability

Total Cost **\$160,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Pasadena Master Drainage Plan**

ID# **061000271**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Chambers,Harris** Watershed HUC# (if known) **120401040703,120401040502,120402040100**

Drainage area (Square miles, est.) **45** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **26,560** # of structures **3,591** Critical facilities **58**

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

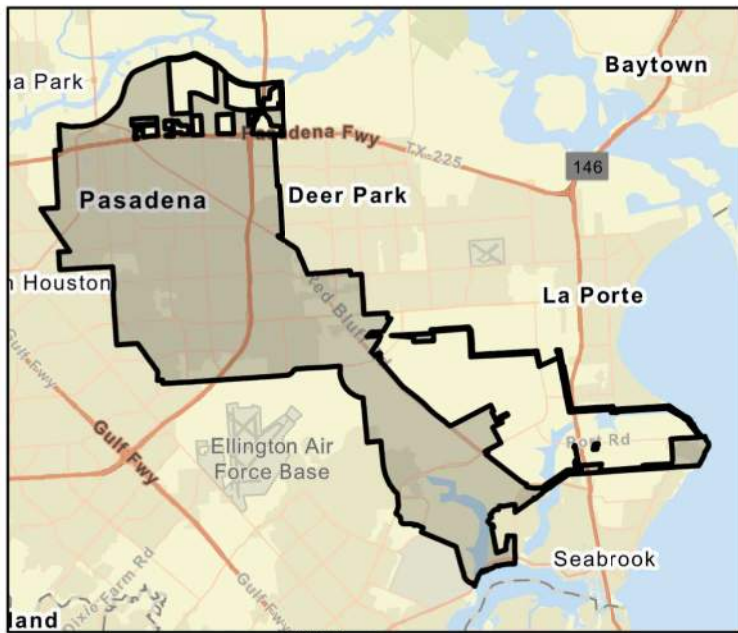
Farm/Ranch land impacted (acres) **82** Roadway(s) impacted (length) **74**

Number of low water crossings **6** Historical road closures **6**

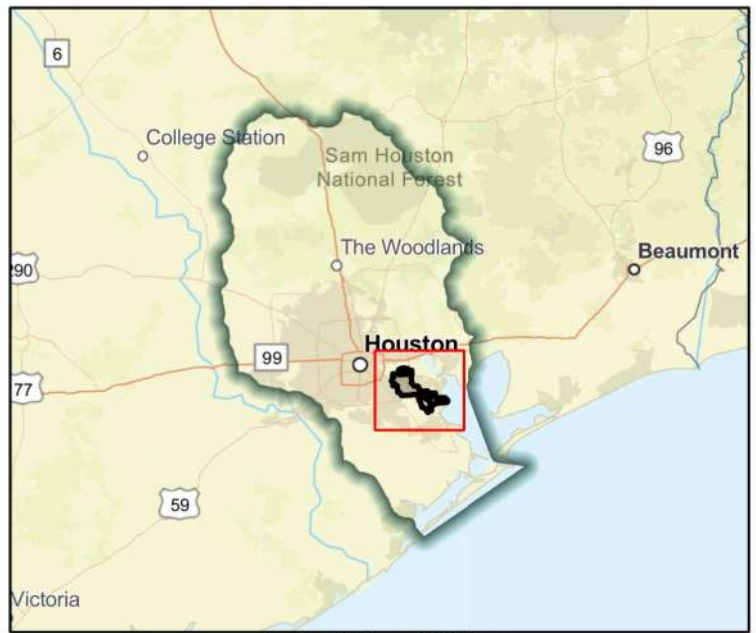
Estimated Cost and Funding Availability

Total Cost **\$550,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Patton Village Master Drainage Plan**

ID# **061000272**

Sponsor (name of entity, not person) **Patton Village (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Montgomery** Watershed HUC# (if known) **120401030109,120401030402**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **537** # of structures **441** Critical facilities **0**

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

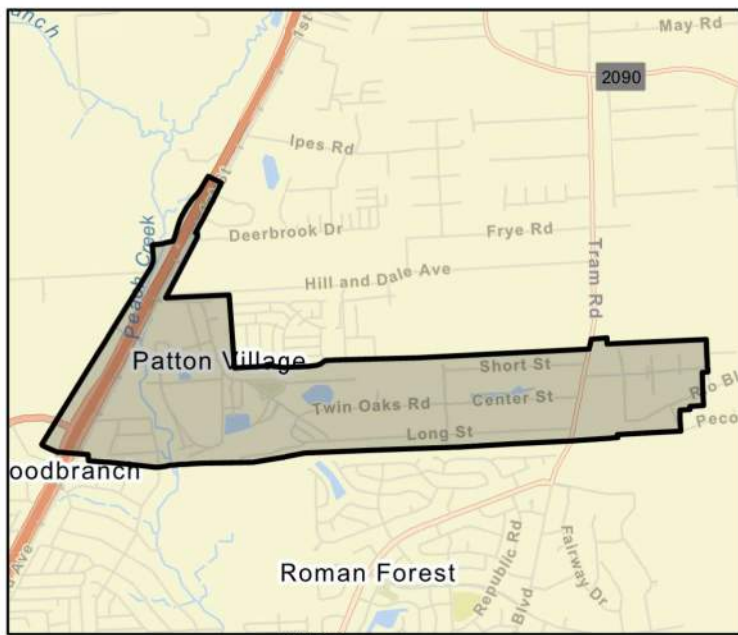
Farm/Ranch land impacted (acres) **4** Roadway(s) impacted (length) **14**

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

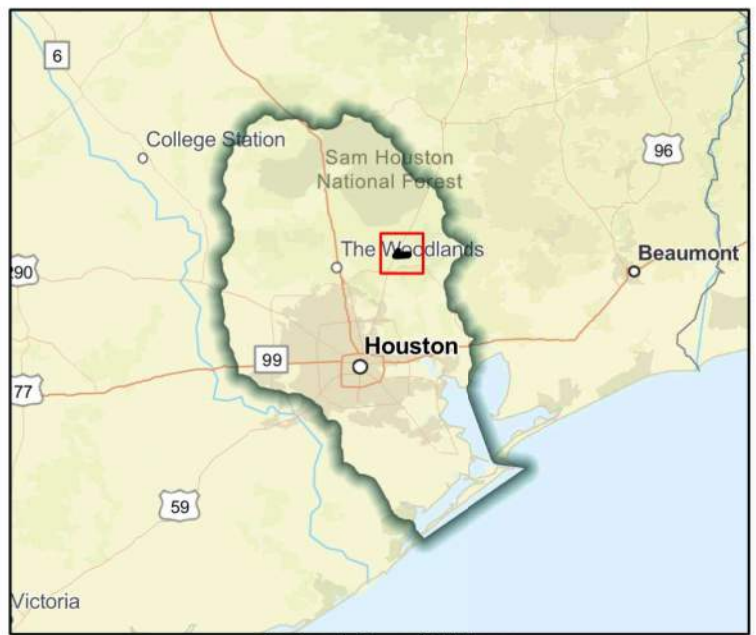
Estimated Cost and Funding Availability

Total Cost **\$200,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Piney Point Village Master Drainage Plan**

ID# **061000274**

Sponsor (name of entity, not person) **Piney Point Village (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Harris** Watershed HUC# (if known) **120401040303**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **989** # of structures **129** Critical facilities **1**

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

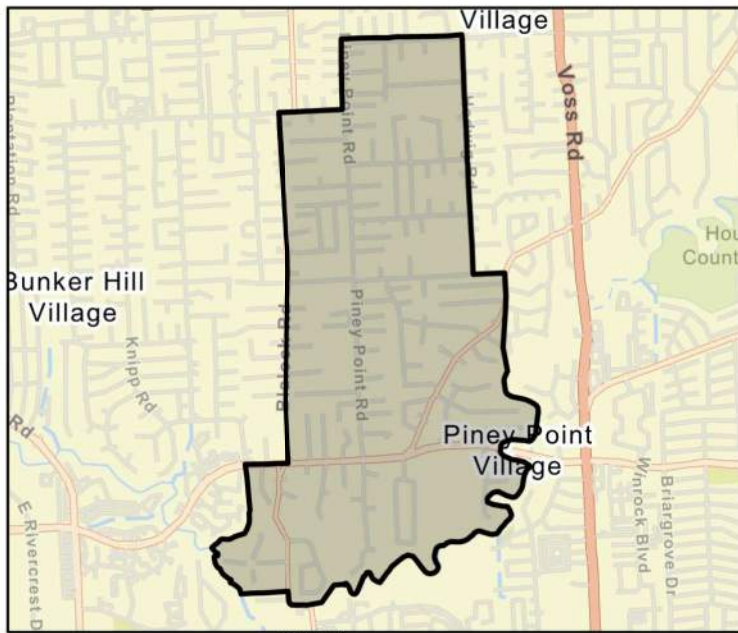
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **1**

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

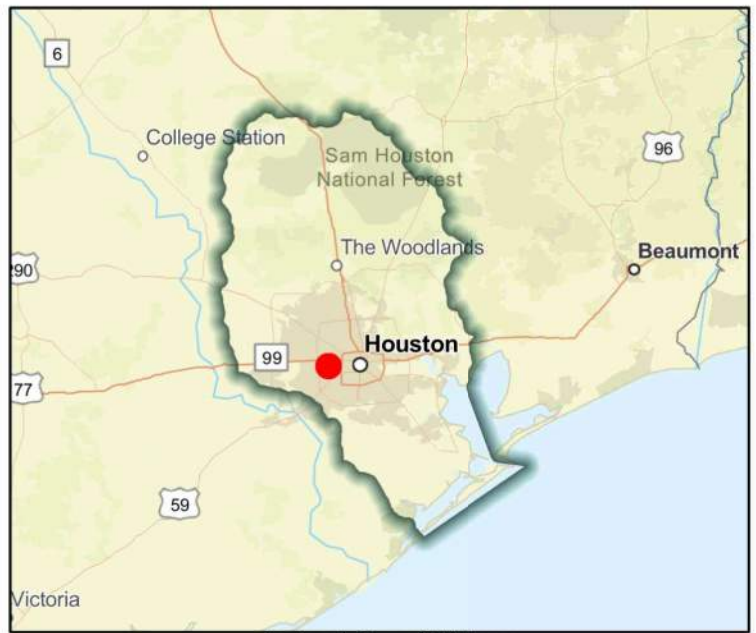
Estimated Cost and Funding Availability

Total Cost **\$190,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

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

Number of low water crossings Historical road closures

Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **City of Plum Grove Master Drainage Plan**
ID# **061000276**
Sponsor (name of entity, not person) **Plum Grove (Municipality)**
RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

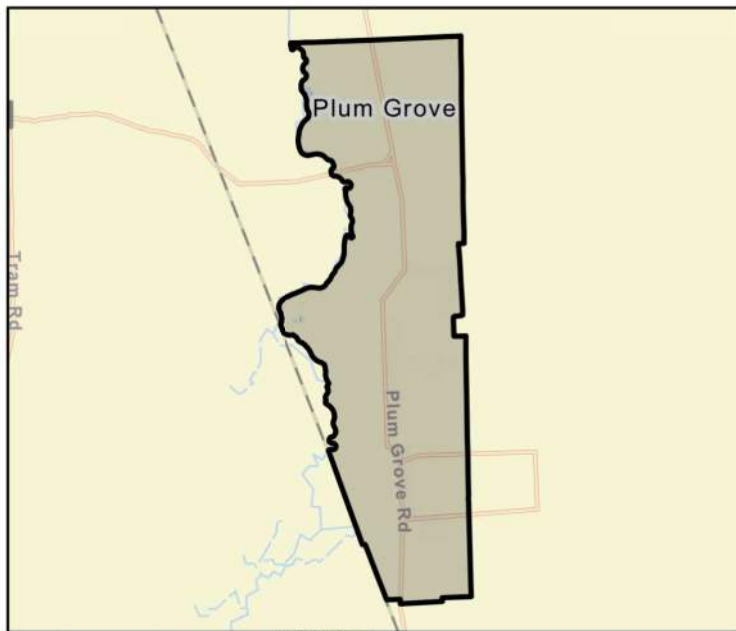
Study type **Watershed Planning**
Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**
New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**
County **Liberty** Watershed HUC# (if known) **120401030402**
Drainage area (Square miles, est.) **4** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

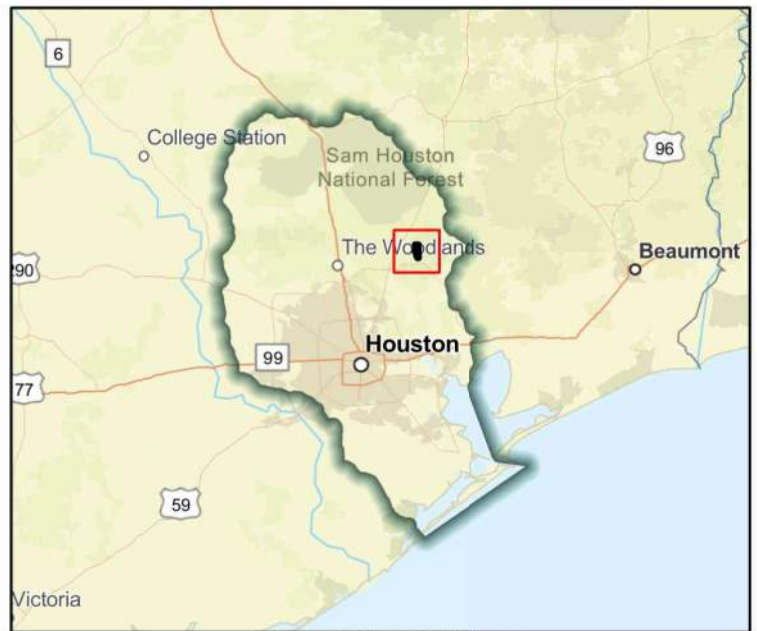
Population at risk **589** # of structures **363** Critical facilities **1**
Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**
Farm/Ranch land impacted (acres) **9** Roadway(s) impacted (length) **9**
Number of low water crossings **0** Historical road closures **0**

Estimated Cost and Funding Availability

Total Cost **\$230,000** Amount of Available Funding **-** Federal funding availability **Yes**
Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

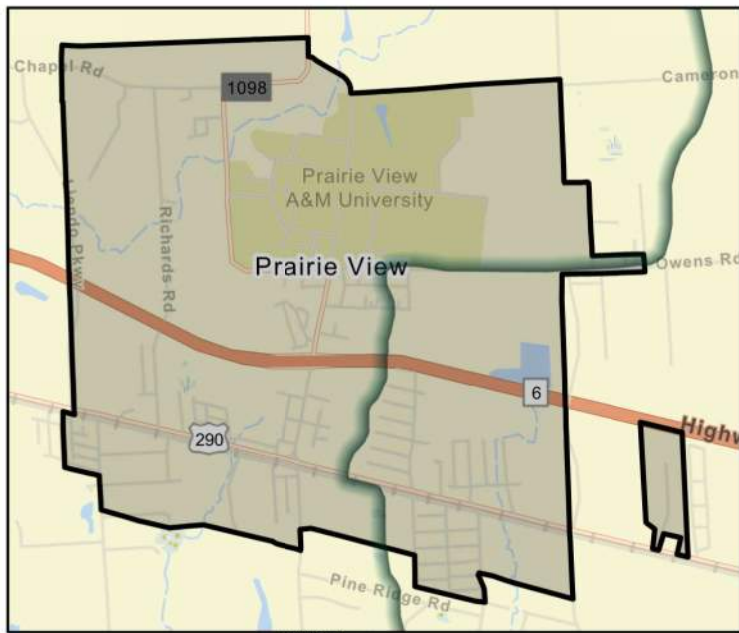
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

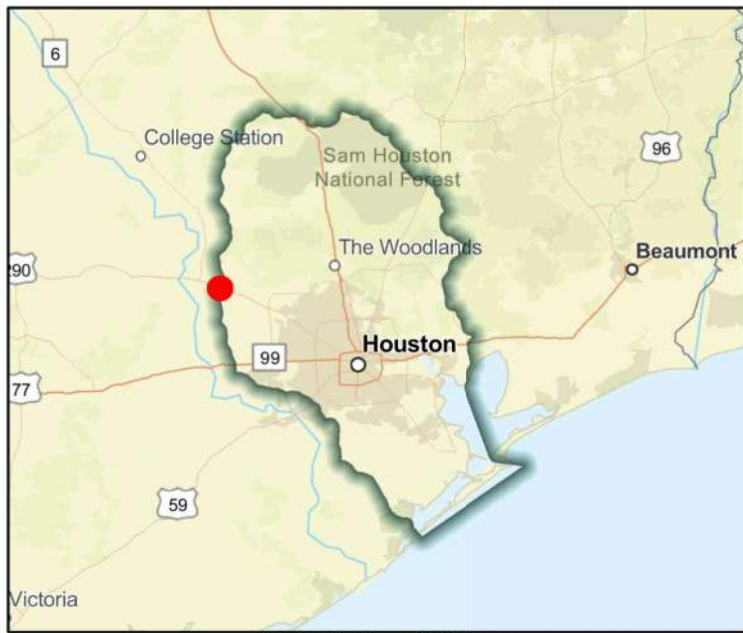
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? Yes Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

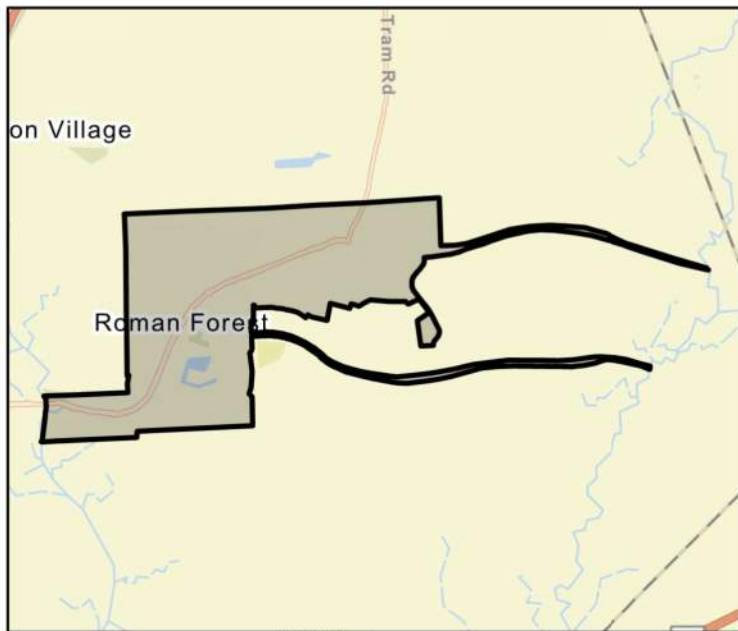
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

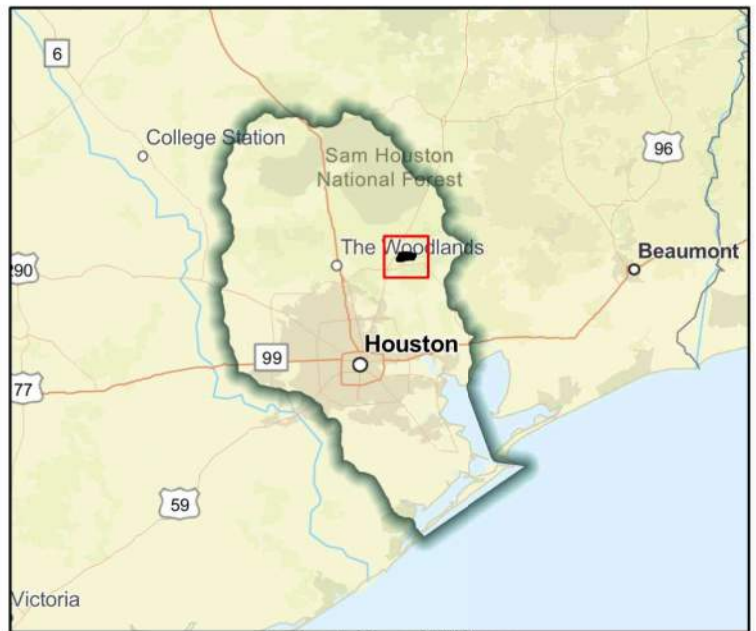
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? Yes Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

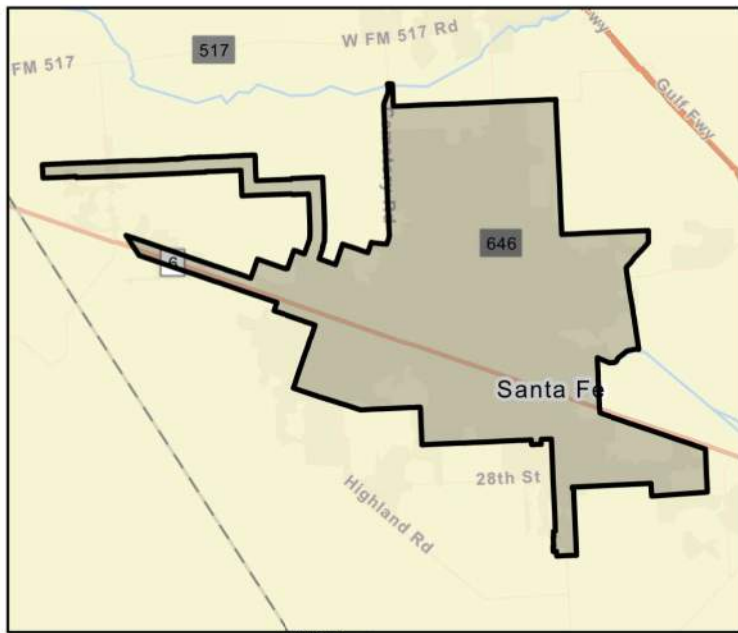
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

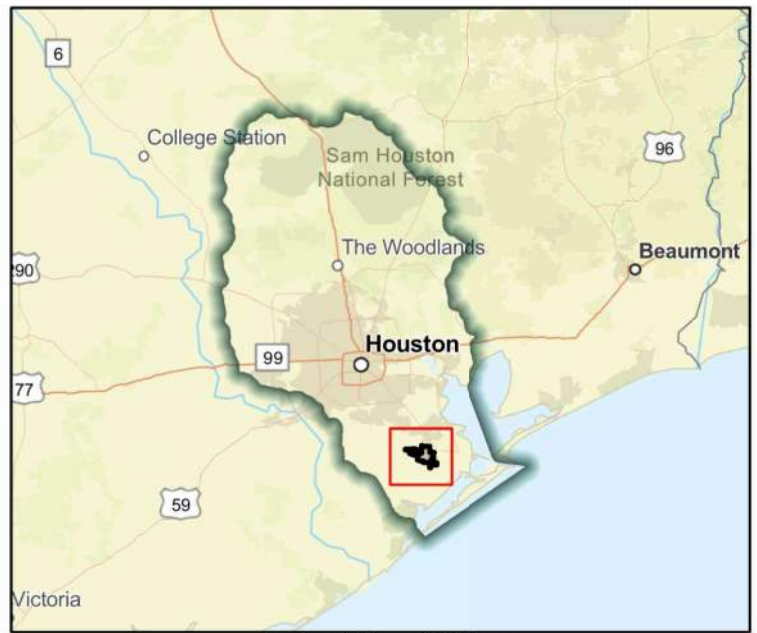
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Sante Fe - Storm Water Detention & Widening Drainage System and Cuvlerts Study**

ID# **061000094**

Sponsor (name of entity, not person) **Santa Fe (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to plan for storm sewer detention and drainage system modifications.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Galveston** Watershed HUC# (if known) **120402040300,120402040200**

Drainage area (Square miles, est.) **17** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **798** # of structures **400** Critical facilities **1**

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

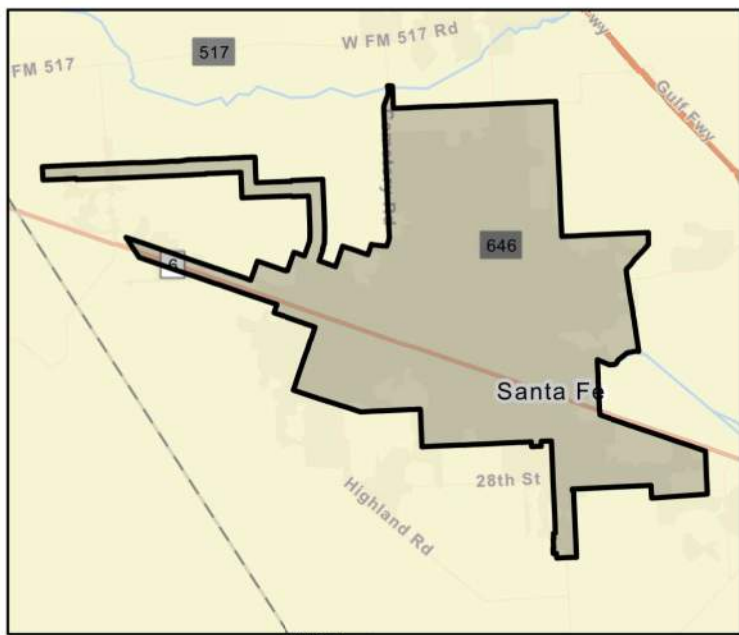
Farm/Ranch land impacted (acres) **12** Roadway(s) impacted (length) **4**

Number of low water crossings **9** Historical road closures **9**

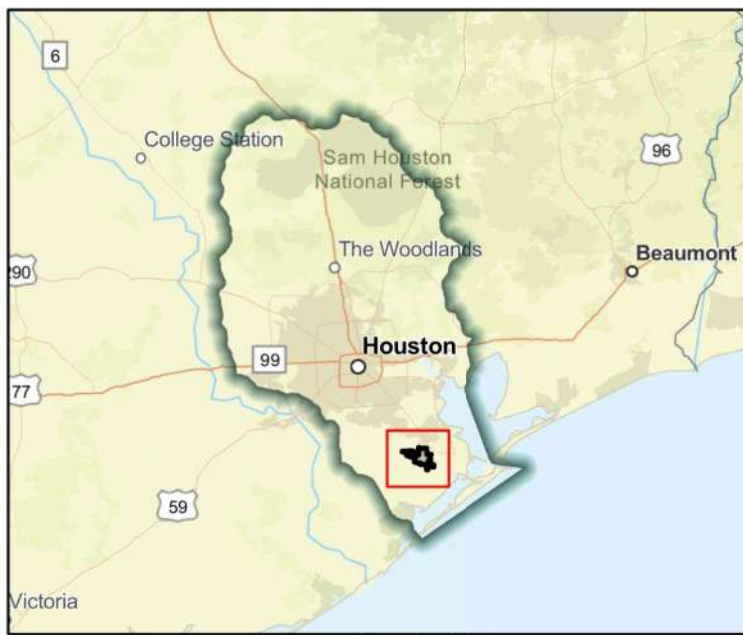
Estimated Cost and Funding Availability

Total Cost **\$300,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? Yes Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

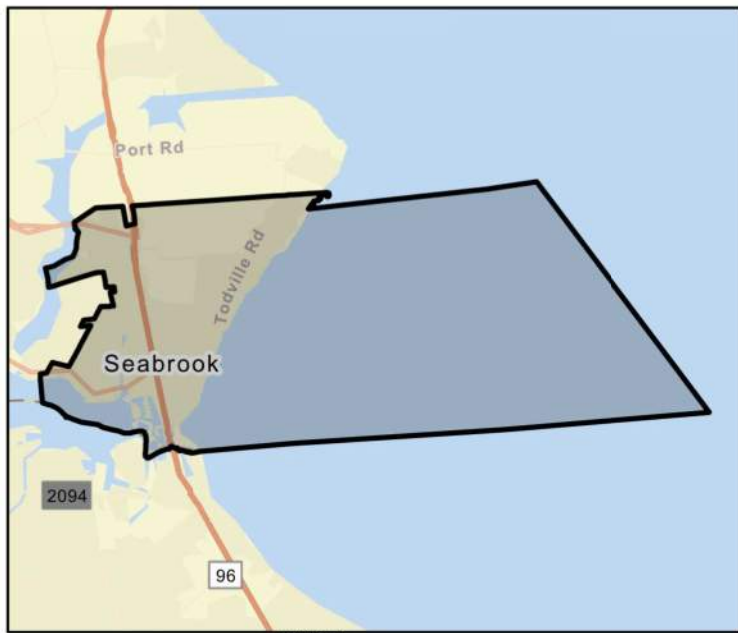
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

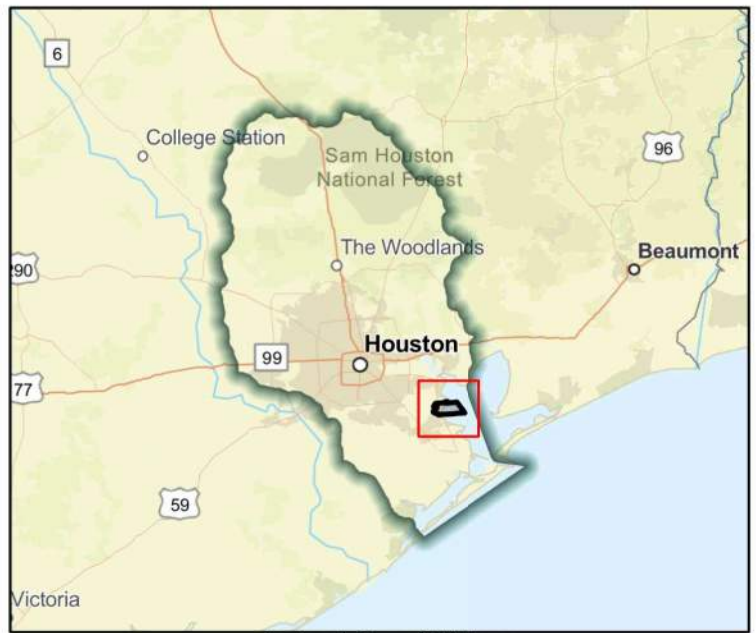
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Shenandoah Master Drainage Plan**

ID# **061000281**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Montgomery** Watershed HUC# (if known) **120401010402,120401010404,120401020211,120401020212**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **45** # of structures **10** Critical facilities **0**

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

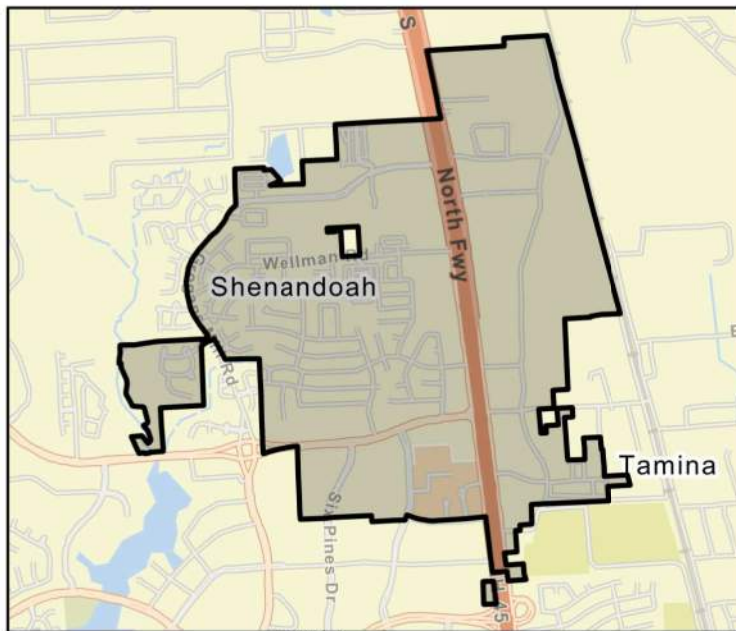
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

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

Estimated Cost and Funding Availability

Total Cost **\$190,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

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

Number of low water crossings Historical road closures

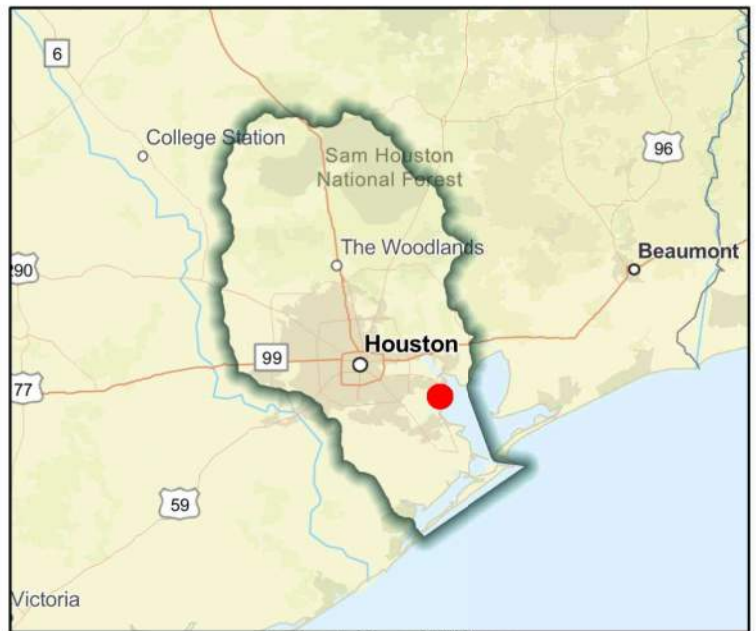
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of South Houston Master Drainage Plan**

ID# **061000283**

Sponsor (name of entity, not person) **South Houston (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Harris** Watershed HUC# (if known) **120401040703,120401040502**

Drainage area (Square miles, est.) **3** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **9,644** # of structures **1,422** Critical facilities **22**

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

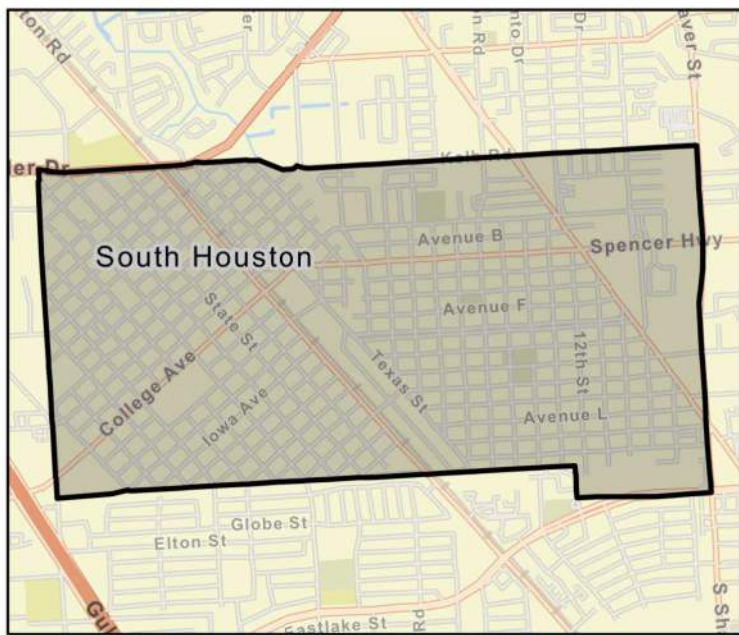
Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **19**

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

Estimated Cost and Funding Availability

Total Cost **\$210,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



Flood Management Evaluation (FME)



Title **City of Southside Place - Auden Street Drainage Improvement Project**

ID# **061000435**

Sponsor (name of entity, not person) **Southside Place (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **This project provides for design and construction of a new stormwater conveyance system for the City of Southside Place, that will have the capacity to convey a City standard storm event (2-year storm).**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040402**

Drainage area (Square miles, est.) **46** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **93,959** # of structures **8,855** Critical facilities **146**

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

Farm/Ranch land impacted (acres) **9** Roadway(s) impacted (length) **125**

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 **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Southside Place Master Drainage Plan**

ID# **061000284**

Sponsor (name of entity, not person) **Southside Place (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Harris** Watershed HUC# (if known) **120401040402**

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

100-Year Flood Risk Summary

Population at risk **2,317** # of structures **500** Critical facilities **5**

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

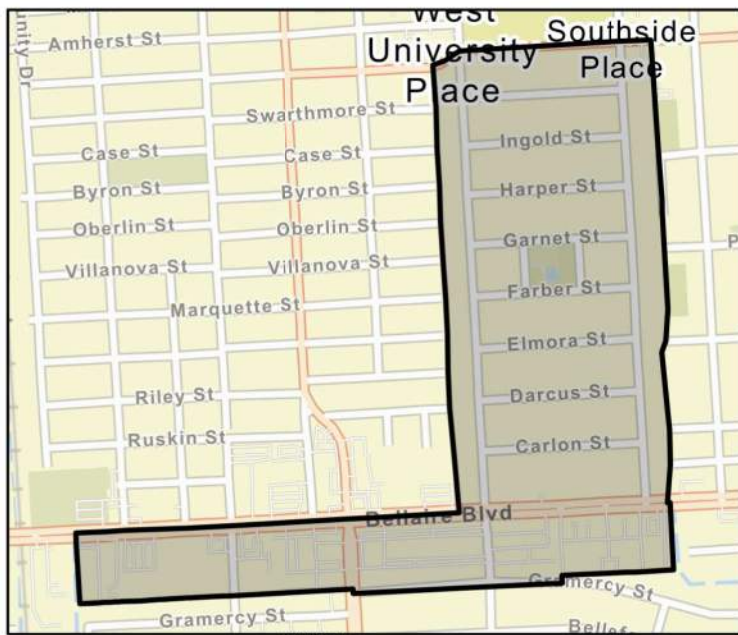
Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **4**

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

Estimated Cost and Funding Availability

Total Cost **\$110,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Reason for Recommendation

Study Details

Study type

Study description

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

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

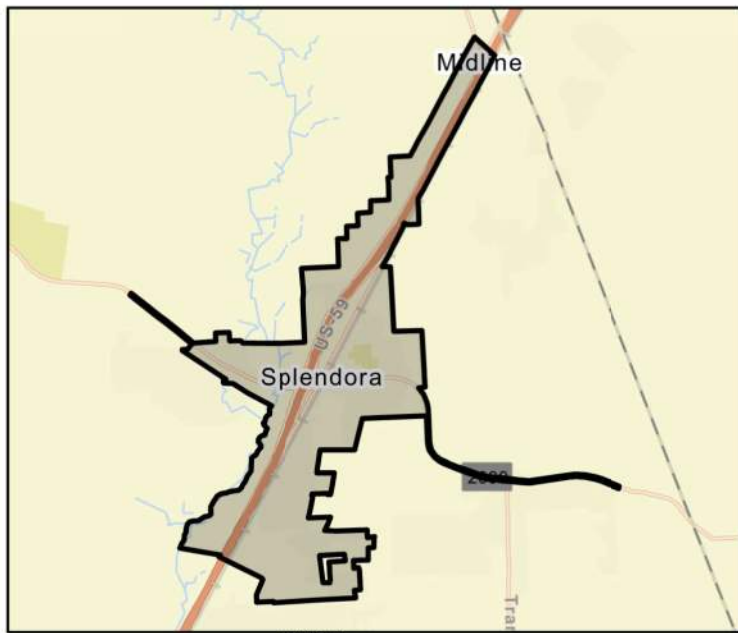
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

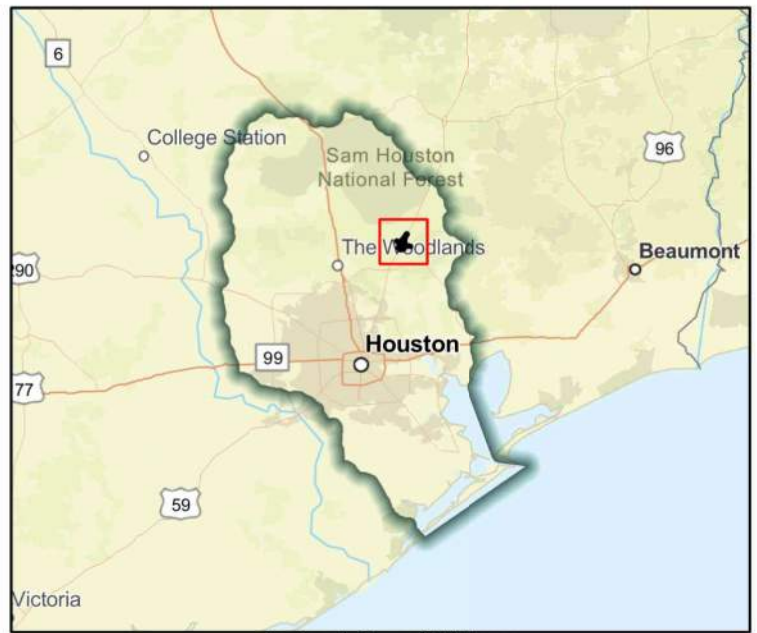
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Spring Valley Village Master Drainage Plan**

ID# **061000286**

Sponsor (name of entity, not person) **Spring Valley Village (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Harris** Watershed HUC# (if known) **120401040303**

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

100-Year Flood Risk Summary

Population at risk **70** # of structures **22** Critical facilities **0**

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

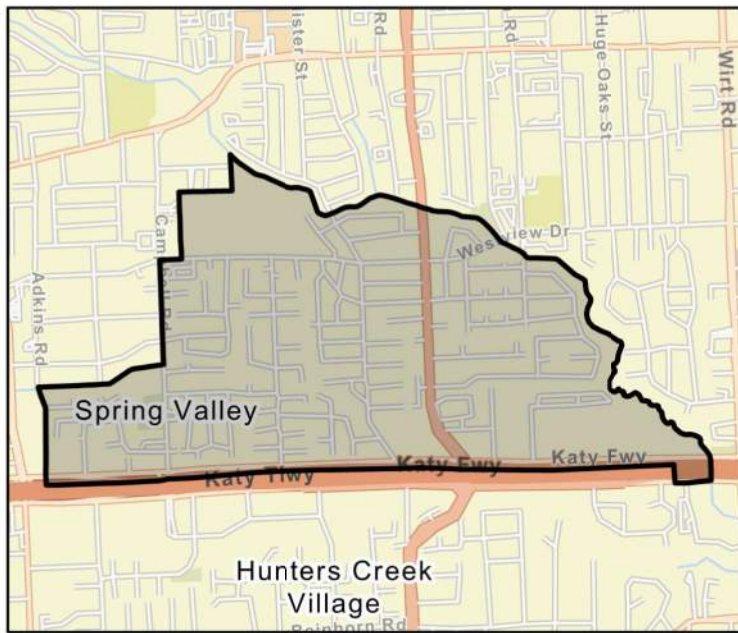
Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **1**

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

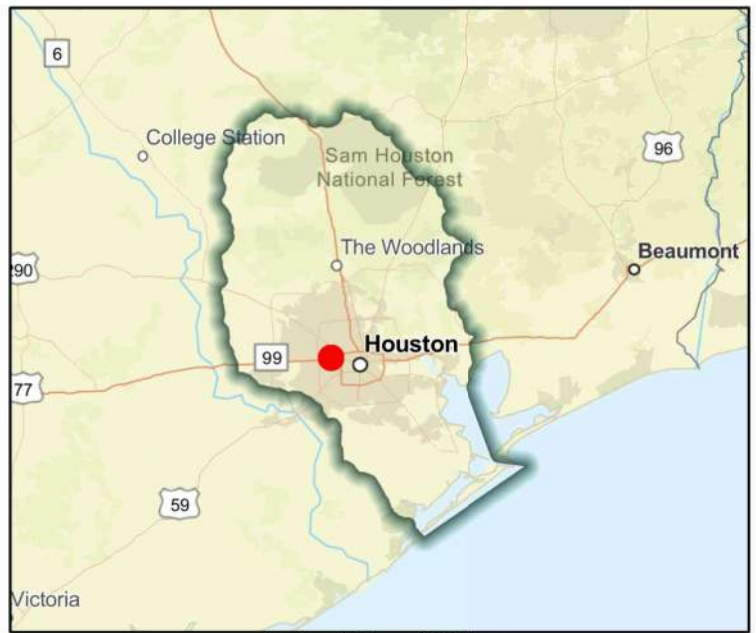
Estimated Cost and Funding Availability

Total Cost **\$160,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? Yes Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

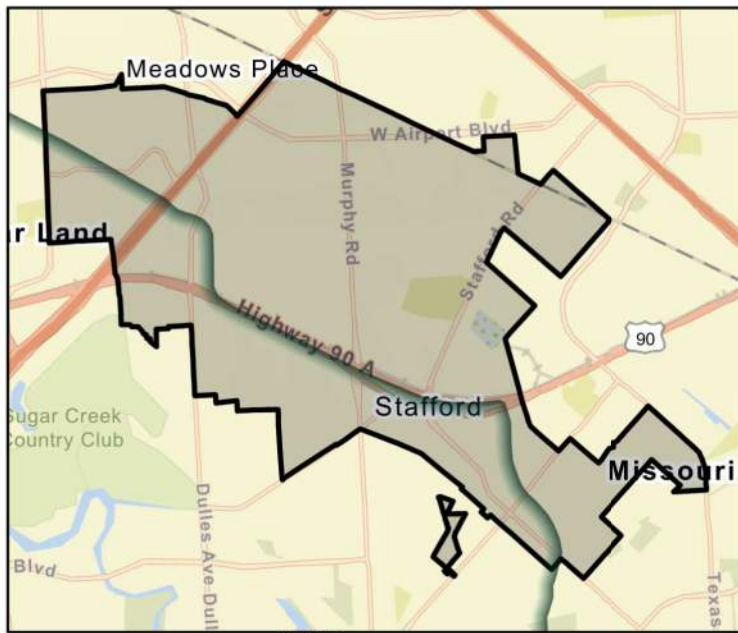
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

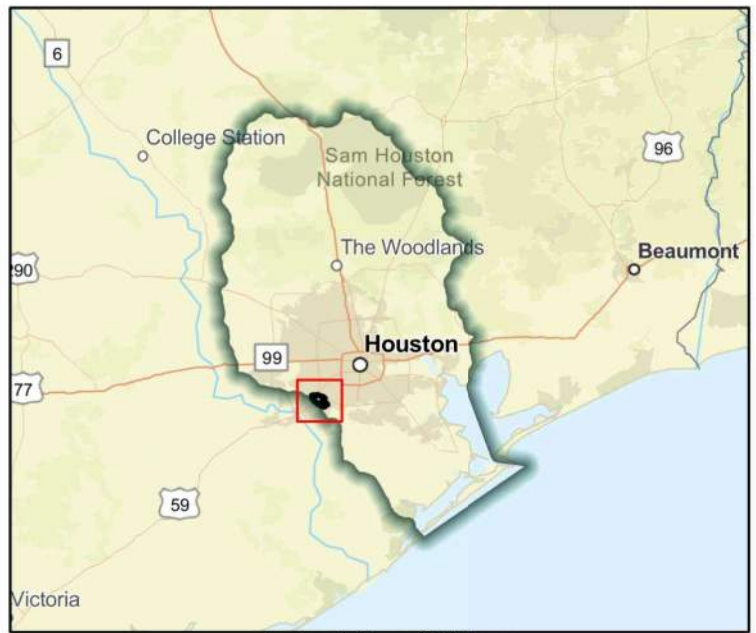
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

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

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

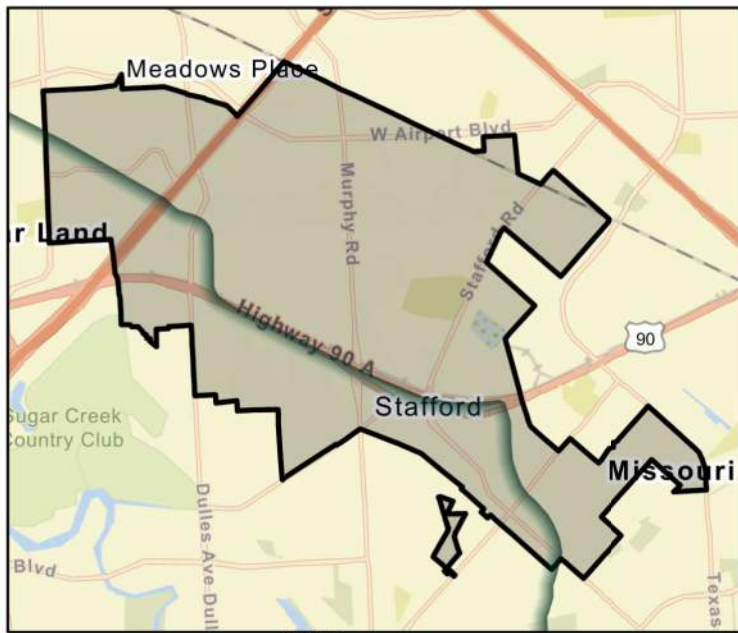
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

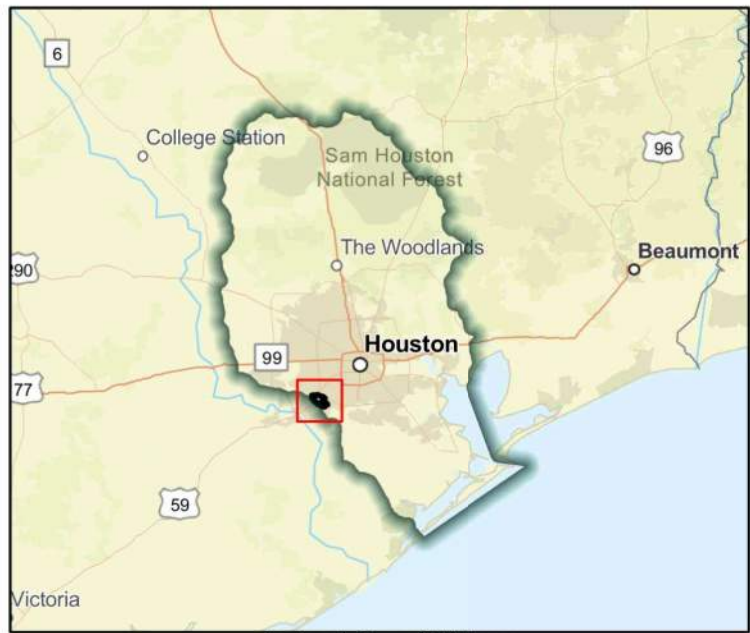
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

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

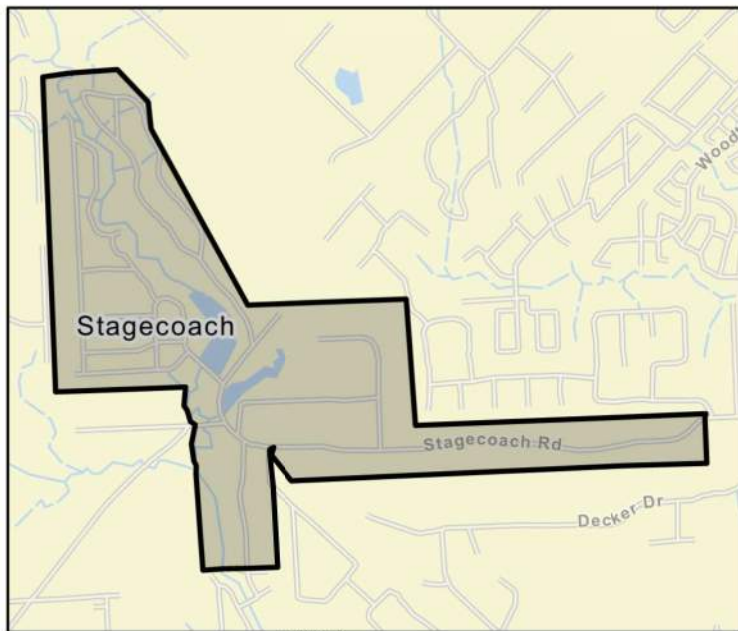
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? Yes Existing/Anticipated models in near term? Yes

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

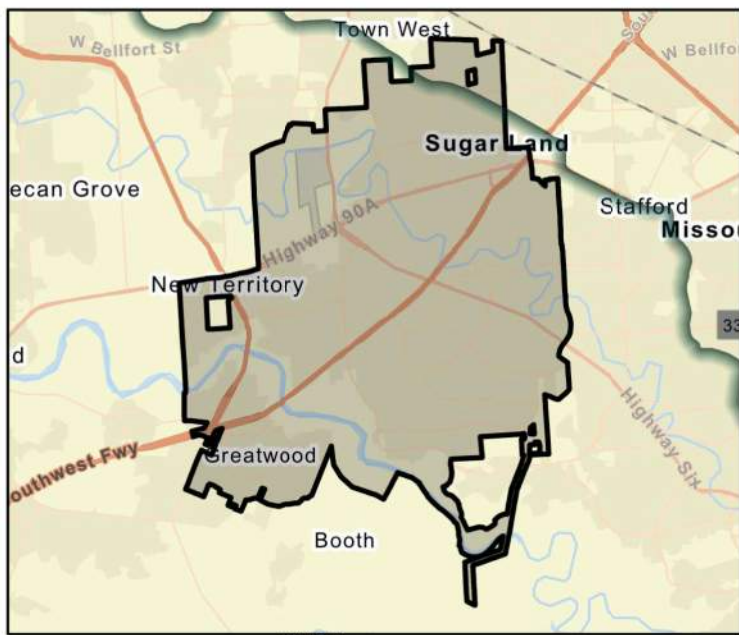
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

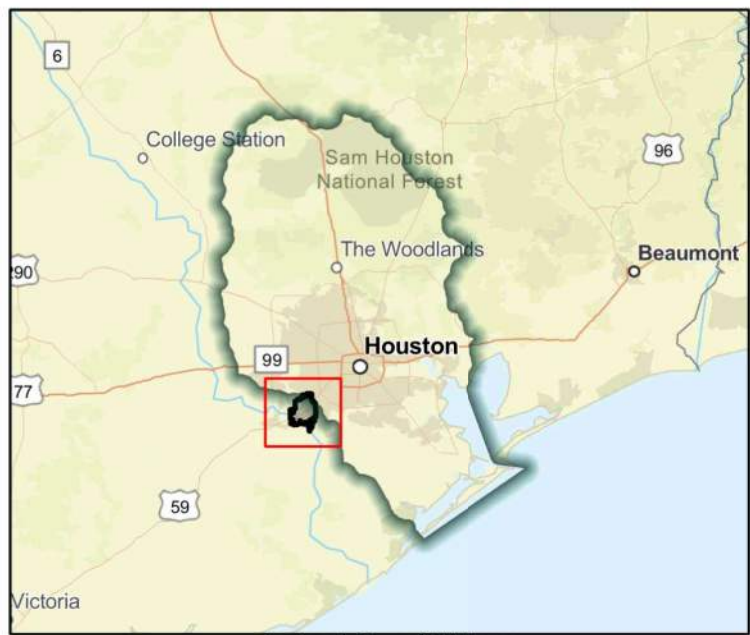
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? No

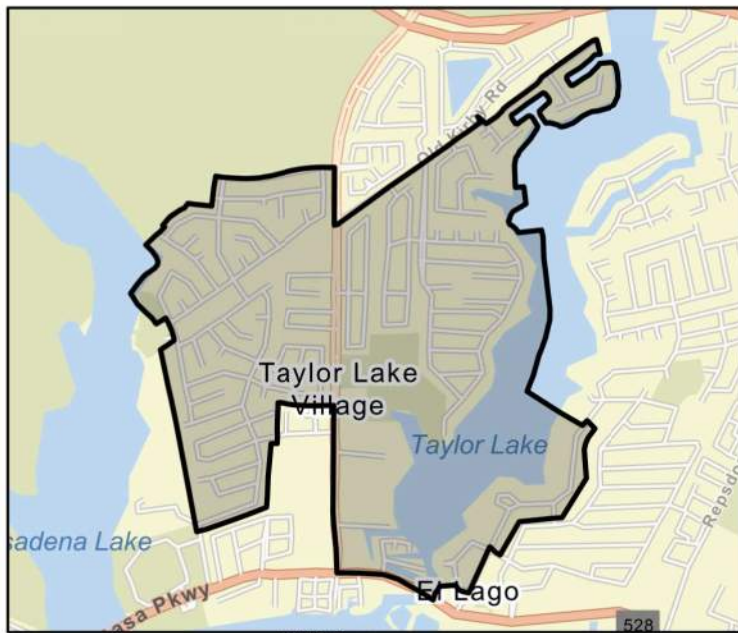
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? Yes Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

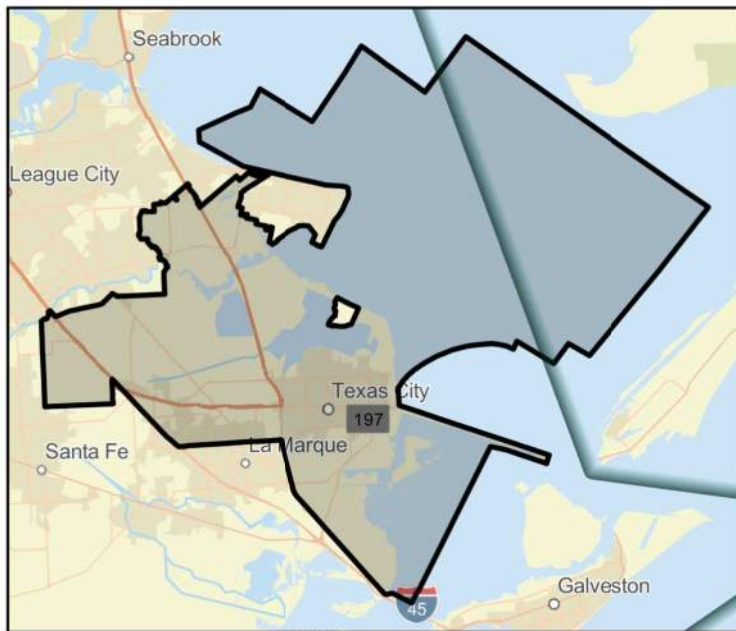
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Tiki Island Master Drainage Plan**

ID# **061000292**

Sponsor (name of entity, not person) **Tiki Island (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Galveston** Watershed HUC# (if known) **120402040200**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **1,721** # of structures **1,006** Critical facilities **6**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **4** Roadway(s) impacted (length) **10**

Number of low water crossings **0** Historical road closures **0**

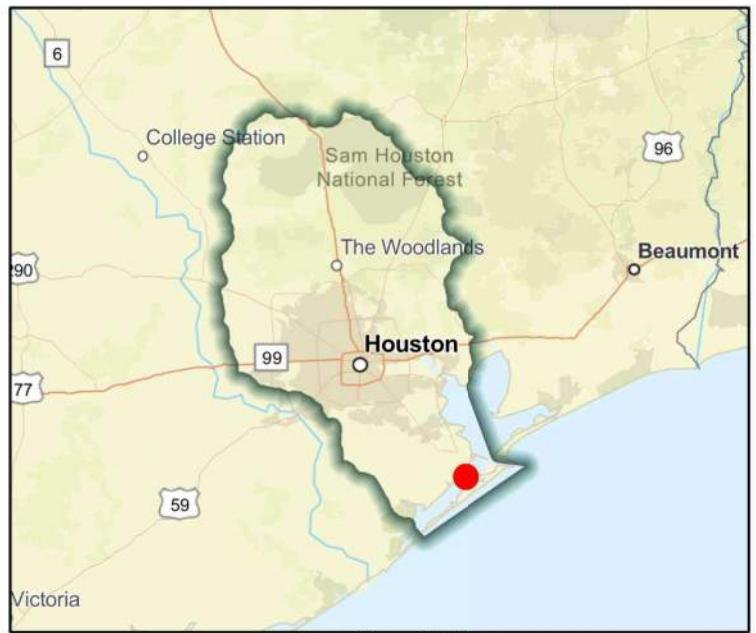
Estimated Cost and Funding Availability

Total Cost **\$180,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Todd Mission Master Drainage Plan**

ID# **061000293**

Sponsor (name of entity, not person) **Todd Mission (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Grimes** Watershed HUC# (if known) **120401020203,120401020206**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **19** # of structures **17** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

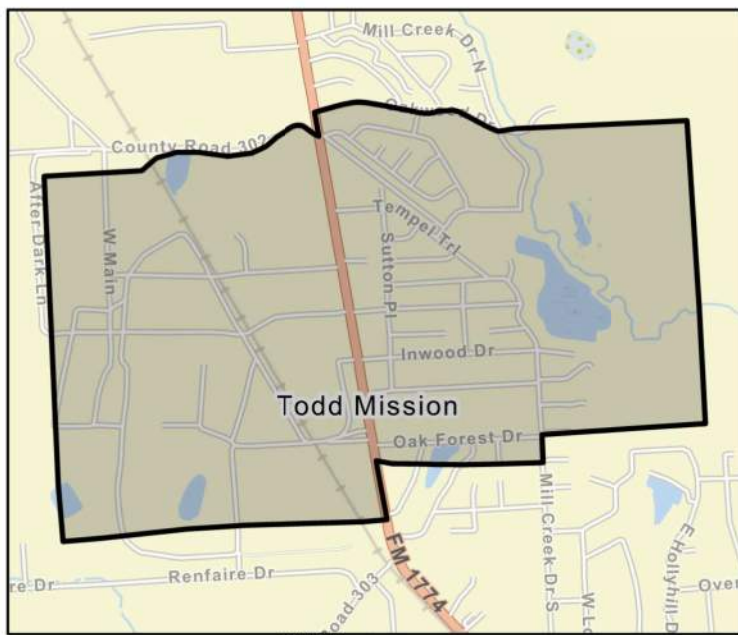
Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **-**

Number of low water crossings **-** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$190,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Todd Mission Reduction of Floodplain Area Roads and Drainage Upgrade**

ID# **061000143**

Sponsor (name of entity, not person) **Todd Mission (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Analysis of potential upgrades to be made to floodplain-area roads and drainage to reduce flood risk.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Grimes** Watershed HUC# (if known) **120401020203,120401020206**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **19** # of structures **17** Critical facilities **0**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

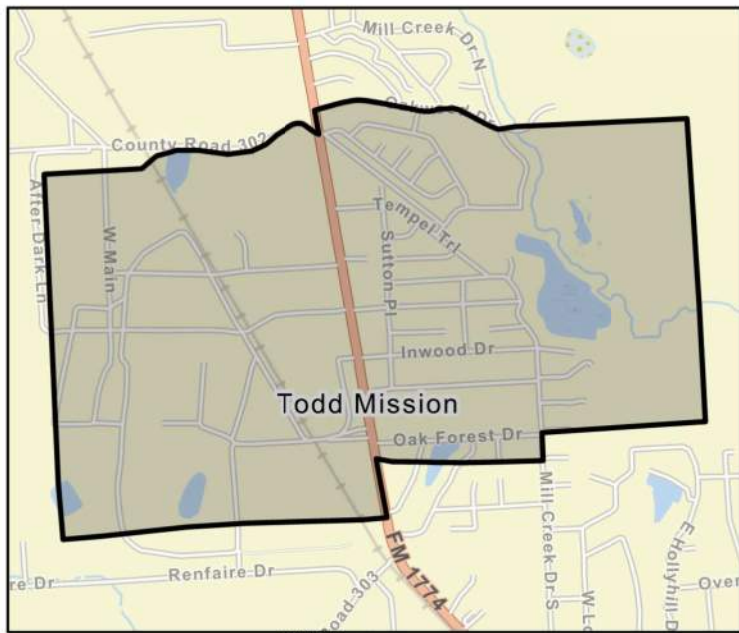
Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **-**

Number of low water crossings **-** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$220,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Tomball Master Drainage Plan**

ID# **061000294**

Sponsor (name of entity, not person) **Tomball (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Harris, Montgomery** Watershed HUC# (if known) **120401020106, 120401020205, 120401020210, 120401020209**

Drainage area (Square miles, est.) **13** Goal(s) **06000001, 06000011, 06000012, 06000015**

100-Year Flood Risk Summary

Population at risk **607** # of structures **47** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

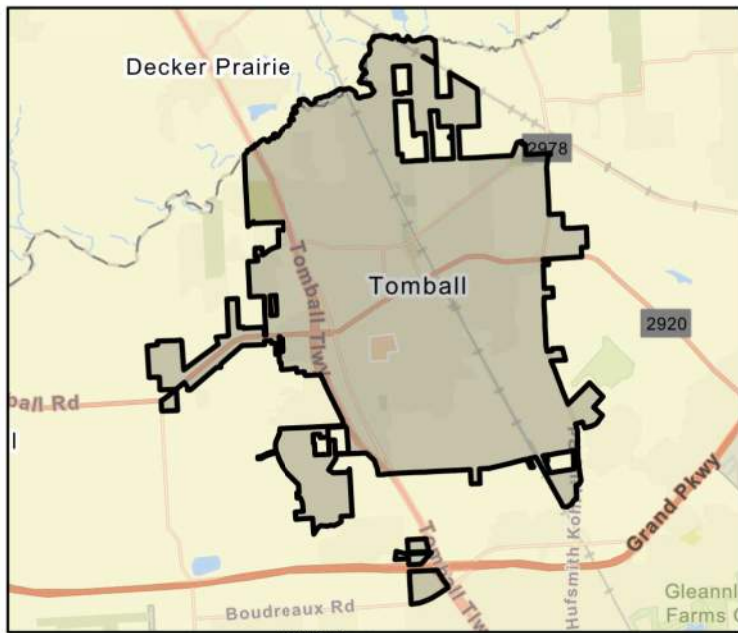
Farm/Ranch land impacted (acres) **5** Roadway(s) impacted (length) **4**

Number of low water crossings **0** Historical road closures **0**

Estimated Cost and Funding Availability

Total Cost **\$350,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Emergency Need? Existing/Anticipated models in near term?

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

Flood risk type: Riverine? Coastal? Local? Playa? Other?

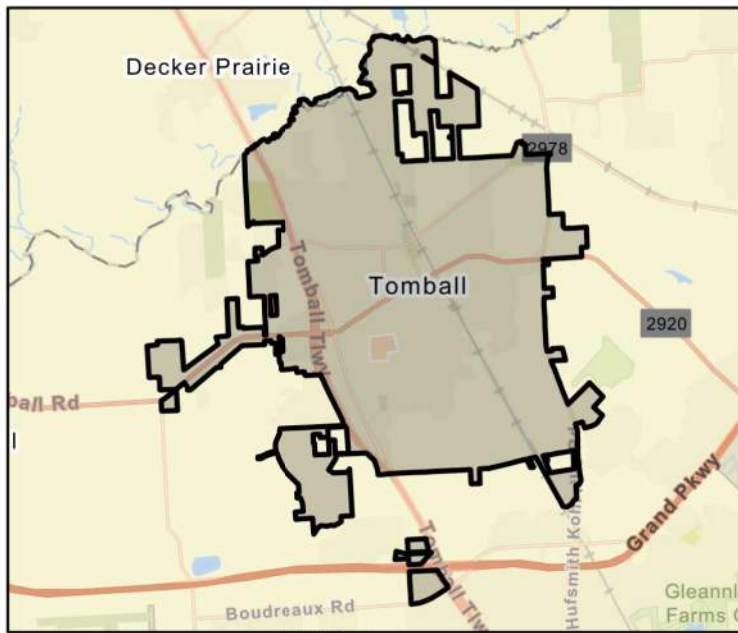
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

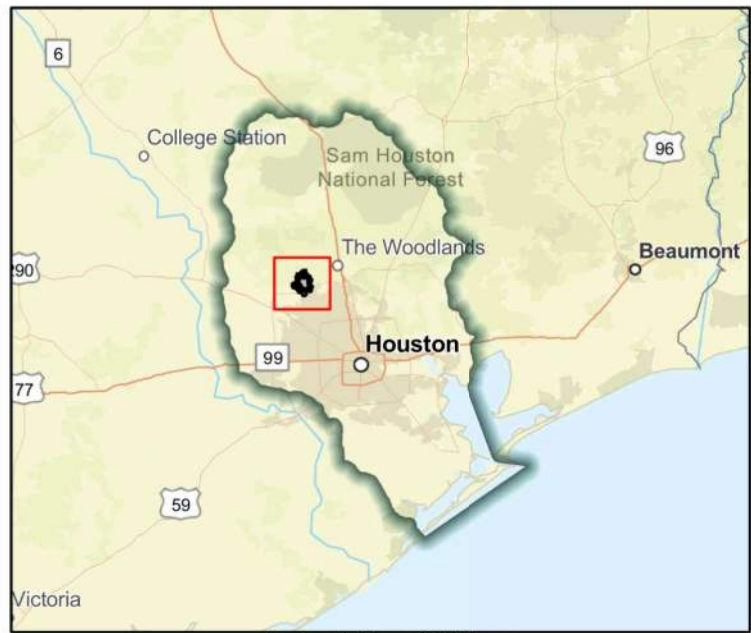
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Waller Master Drainage Plan**

ID# **061000295**

Sponsor (name of entity, not person) **Waller (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Harris,Waller** Watershed HUC# (if known) **120401020101,120401020105,120401020201**

Drainage area (Square miles, est.) **4** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **666** # of structures **149** Critical facilities **4**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

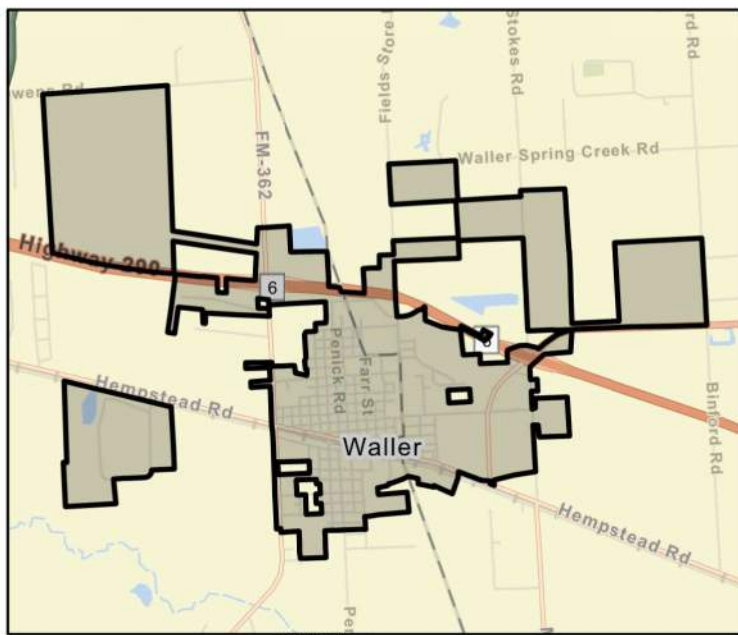
Farm/Ranch land impacted (acres) **48** Roadway(s) impacted (length) **5**

Number of low water crossings **7** Historical road closures **7**

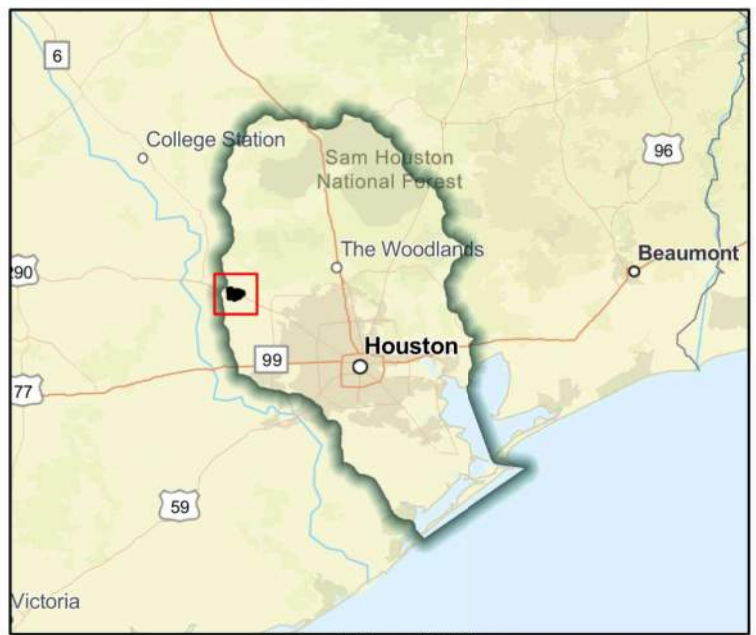
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **0** Federal funding availability **Yes**

Funding source **General Revenue**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? Yes Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

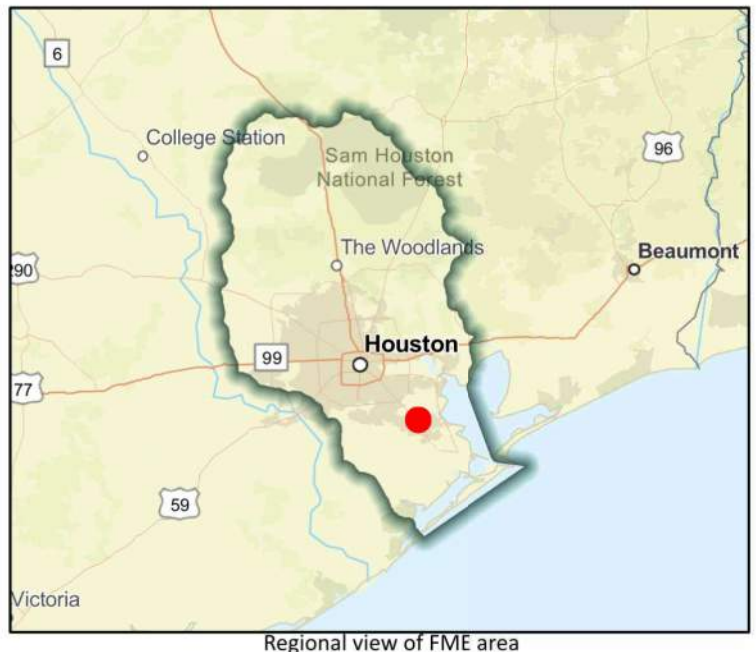
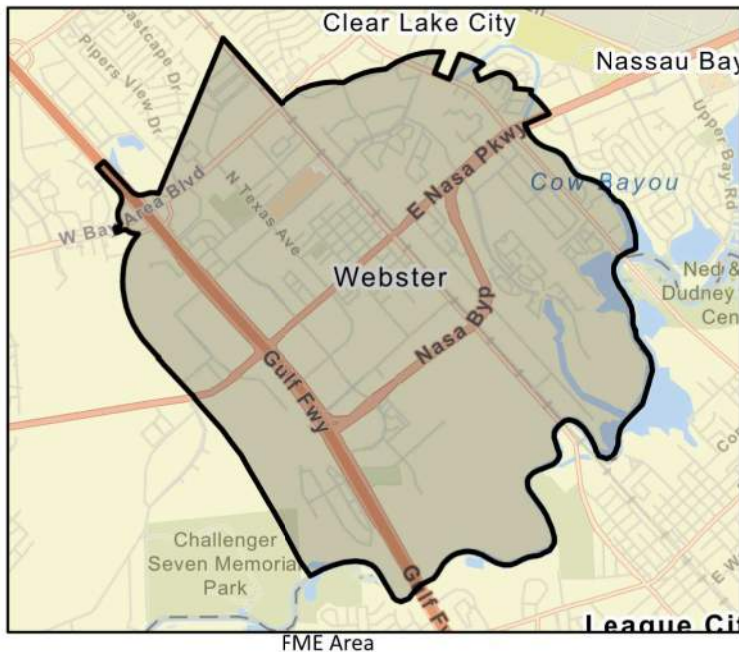
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



Flood Management Evaluation (FME)



Title **City of West University Place Master Drainage Plan**

ID# **061000297**

Sponsor (name of entity, not person) **West University Place (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop refine Master Drainage Plan and Projects using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Harris** Watershed HUC# (if known) **120401040402**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **4,613** # of structures **940** Critical facilities **6**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

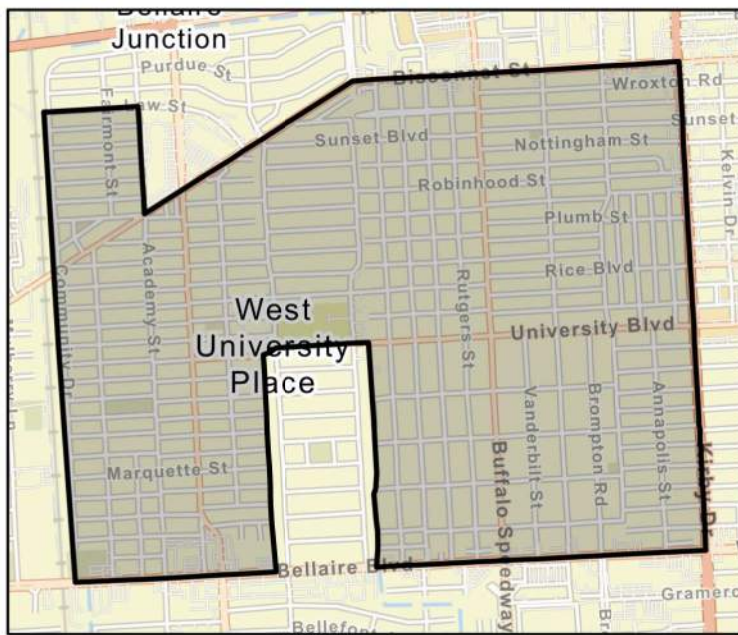
Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **12**

Number of low water crossings **0** Historical road closures **0**

Estimated Cost and Funding Availability

Total Cost **\$190,000** Amount of Available Funding **38000** Federal funding availability **Yes**

Funding source **Internal CIP Dollars**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

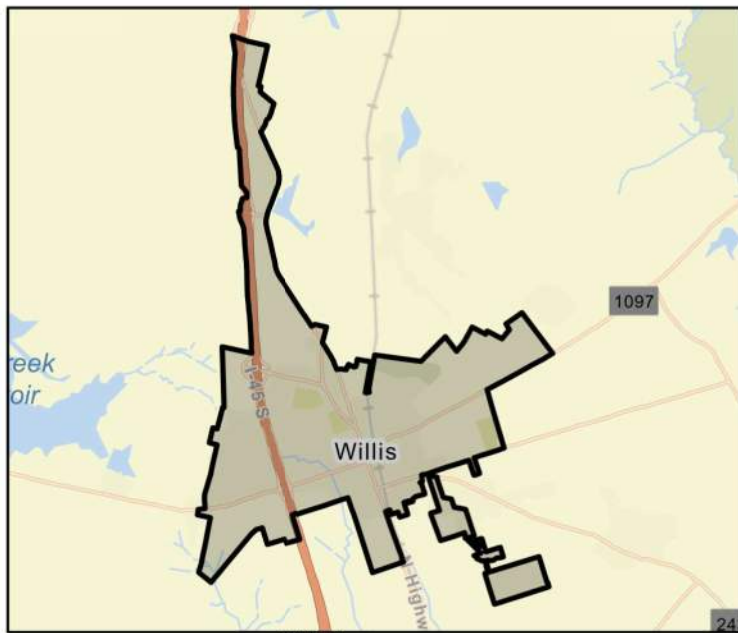
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Woodbranch Master Drainage Plan**

ID# **061000299**

Sponsor (name of entity, not person) **Woodbranch Village (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Montgomery** Watershed HUC# (if known) **120401030105,120401030109**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **398** # of structures **197** Critical facilities **0**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

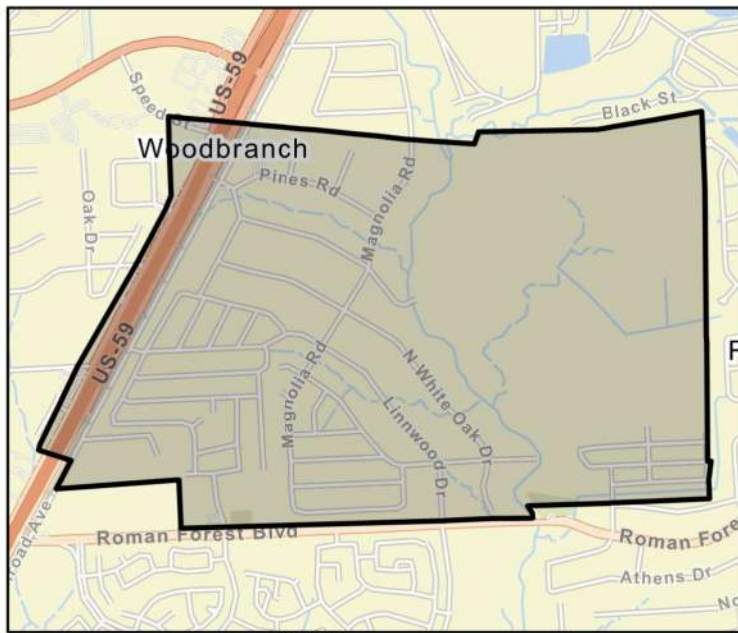
Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **4**

Number of low water crossings **0** Historical road closures **0**

Estimated Cost and Funding Availability

Total Cost **\$190,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Clear Creek - Friendswood Detention Basin Near FM 528 in Friendswood**

ID# **061000420**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop BCA to become a FMP. ROW acquisition, design, and construction of 39 ac stormwater detention basin holding 500 ac-ft near FM 528; Additional solutions include buyouts, improving channel conveyance, and tributary detention.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Brazoria,Galveston,Harris** Watershed HUC# (if known) **120402040200,120402040100**

Drainage area (Square miles, est.) **102** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **72,758** # of structures **14,917** Critical facilities **155**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

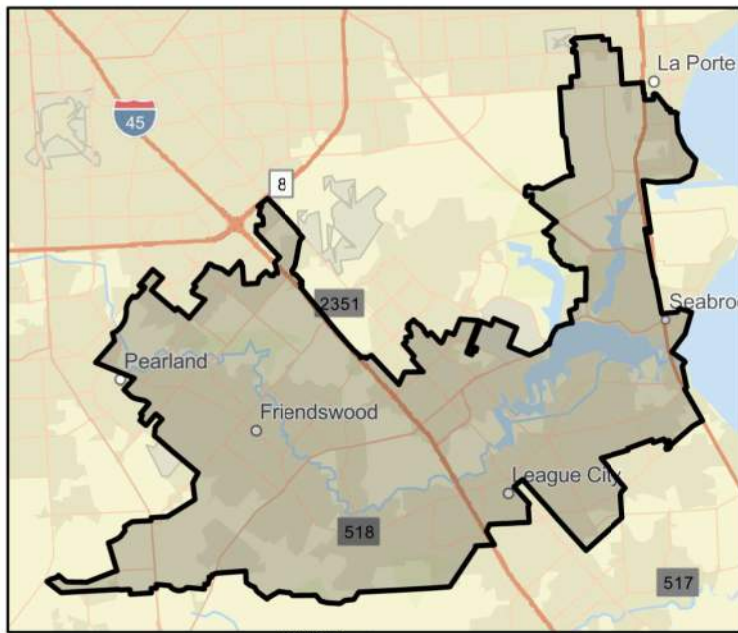
Farm/Ranch land impacted (acres) **162** Roadway(s) impacted (length) **264**

Number of low water crossings **9** Historical road closures **9**

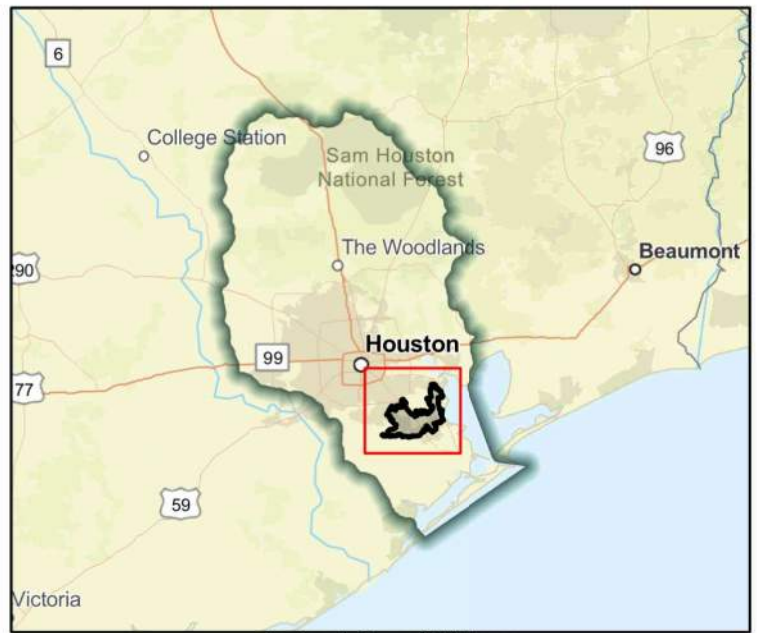
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Clear Creek - Hughes Stormwater Detention (SWD) Basin**

ID# **061000421**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop BCA to become a FMP. Project identified in Clear Creek Federal Project study for flood management but did not yield high enough cost benefit ratio for Federal funding. Therefore, Harris and Galveston County have decided to fund this effort.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Brazoria,Galveston,Fort Bend,Harris** Watershed HUC# (if known) **120401040502,120401040501,120402040200,120402040400,120402040**

Drainage area (Square miles, est.) **200** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **120,966** # of structures **27,164** Critical facilities **233**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

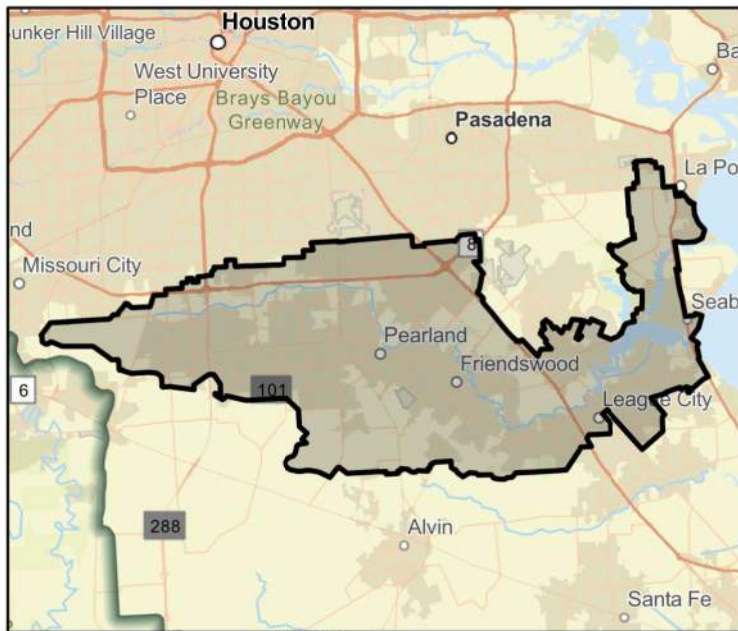
Farm/Ranch land impacted (acres) **533** Roadway(s) impacted (length) **458**

Number of low water crossings **12** Historical road closures **12**

Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Clear Creek - Rehabilitation of the A214-00-00 channel to Restore Channel Conveyance Capacity**

ID# **061000425**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Major maintenance to restore channel conveyance capacity.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Galveston,Harris** Watershed HUC# (if known) **120401040502,120401040501,120402040200,120402040400,120402040**

Drainage area (Square miles, est.) **5** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **1,319** # of structures **424** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **3** Roadway(s) impacted (length) **9**

Number of low water crossings **0** Historical road closures **0**

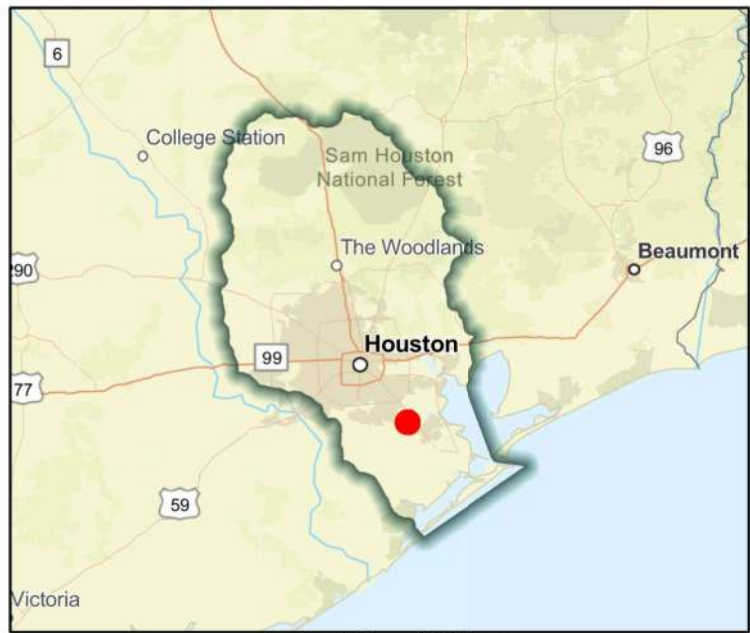
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system**

ID# **061000134**

Sponsor (name of entity, not person) **Galveston (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Review findings of potential breach to dam/levee system and develop/implement mitigation actions as applicable.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Galveston** Watershed HUC# (if known) **120402040300,120402040200,120402040400,120402040100**

Drainage area (Square miles, est.) **665** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **171,395** # of structures **48,570** Critical facilities **681**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **3,412** Roadway(s) impacted (length) **910**

Number of low water crossings **30** Historical road closures **30**

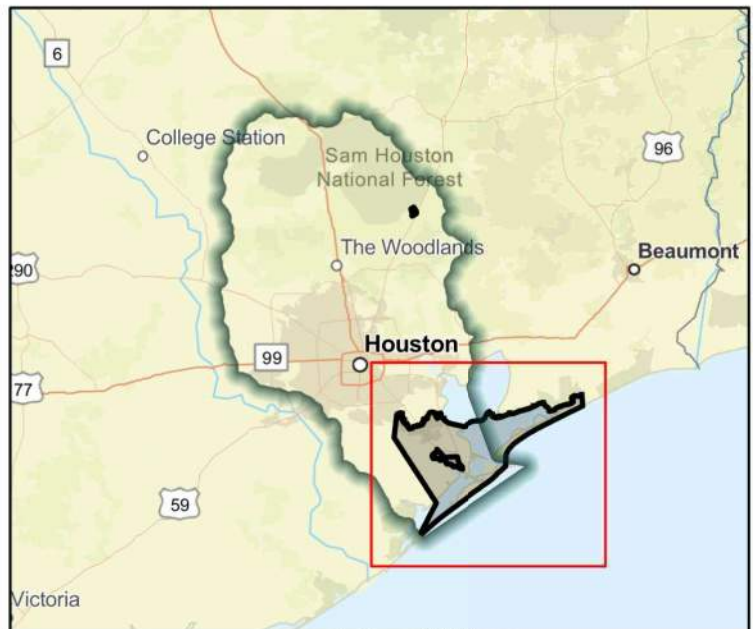
Estimated Cost and Funding Availability

Total Cost **\$1,590,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system

ID# 061000136

Sponsor (name of entity, not person) Galveston (County)

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Review findings of potential breach to dam/levee system and develop/implement mitigation actions as applicable.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? No

County Liberty Watershed HUC# (if known) 120401030201,120401030401

Drainage area (Square miles, est.) 2 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 44 # of structures 52 Critical facilities 0

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

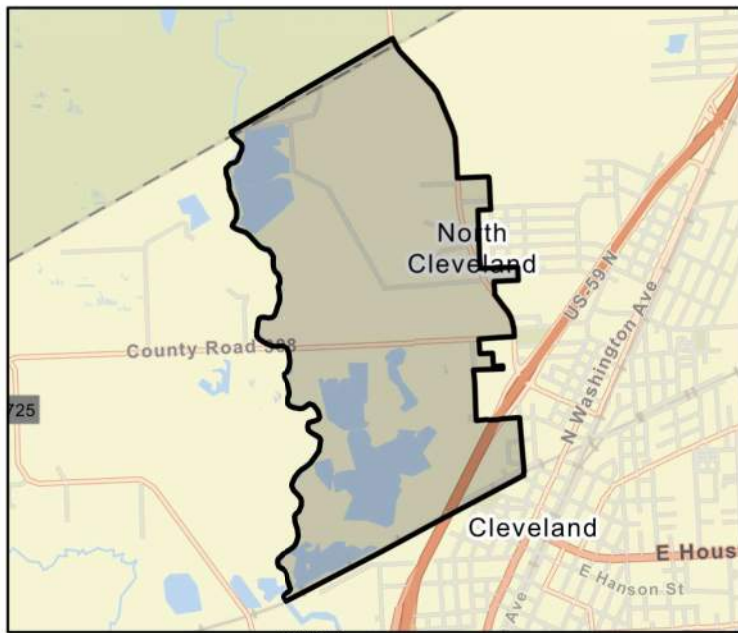
Farm/Ranch land impacted (acres) 6 Roadway(s) impacted (length) 3

Number of low water crossings - Historical road closures -

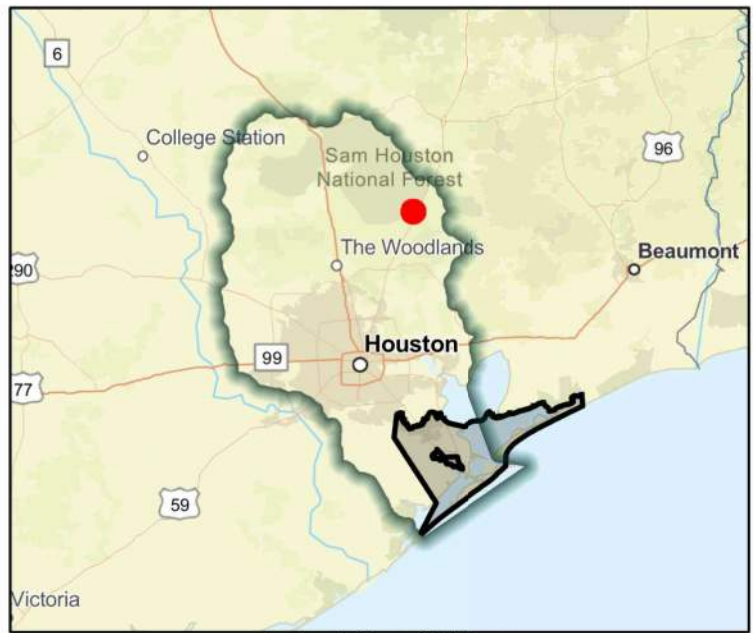
Estimated Cost and Funding Availability

Total Cost \$190,000 Amount of Available Funding - Federal funding availability Yes

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system

ID# 061000137

Sponsor (name of entity, not person) Clear Lake Shores (Municipality)

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Review findings of potential breach to dam/levee system and develop/implement mitigation actions as applicable.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? No

County Galveston,Harris Watershed HUC# (if known) 120402040100

Drainage area (Square miles, est.) 1 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 3,407 # of structures 633 Critical facilities 4

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres) - Roadway(s) impacted (length) 9

Number of low water crossings 0 Historical road closures 0

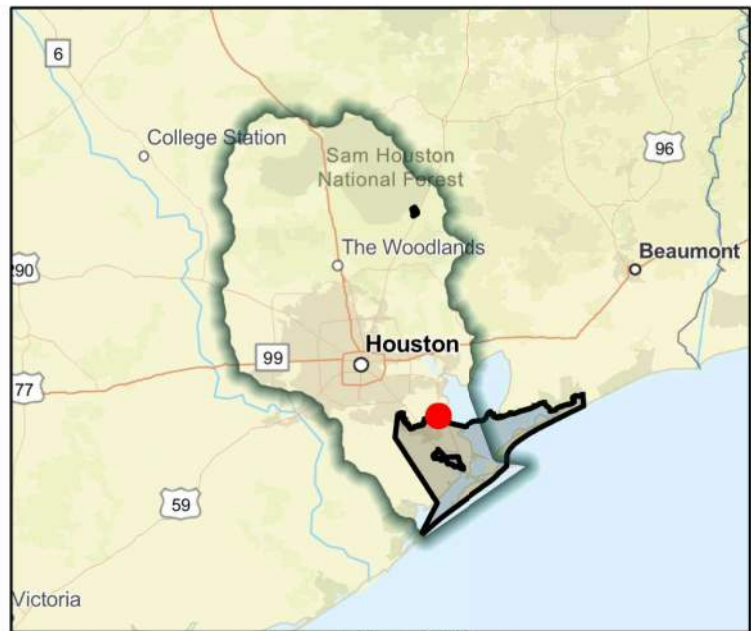
Estimated Cost and Funding Availability

Total Cost \$140,000 Amount of Available Funding - Federal funding availability Yes

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system**

ID# **061000138**

Sponsor (name of entity, not person) **La Marque (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Review findings of potential breach to dam/levee system and develop/implement mitigation actions as applicable.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Galveston** Watershed HUC# (if known) **120402040200**

Drainage area (Square miles, est.) **14** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **1,612** # of structures **829** Critical facilities **8**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

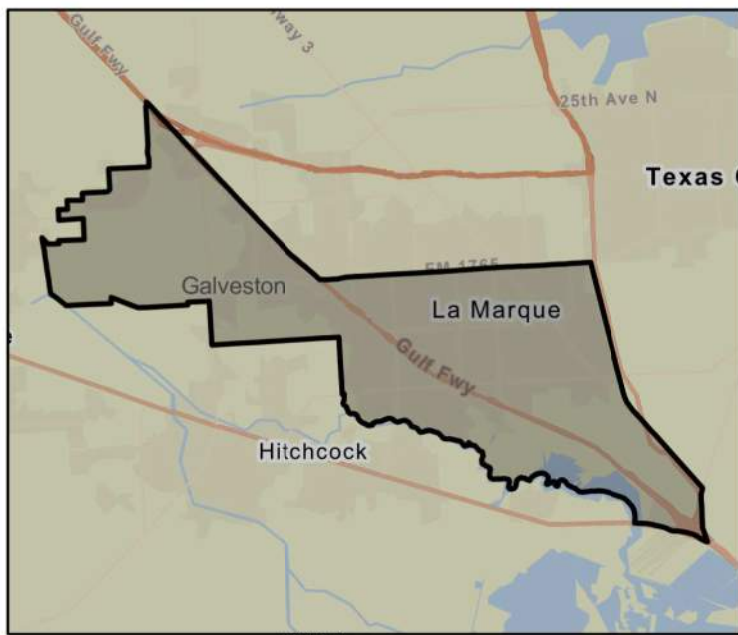
Farm/Ranch land impacted (acres) **38** Roadway(s) impacted (length) **31**

Number of low water crossings **1** Historical road closures **1**

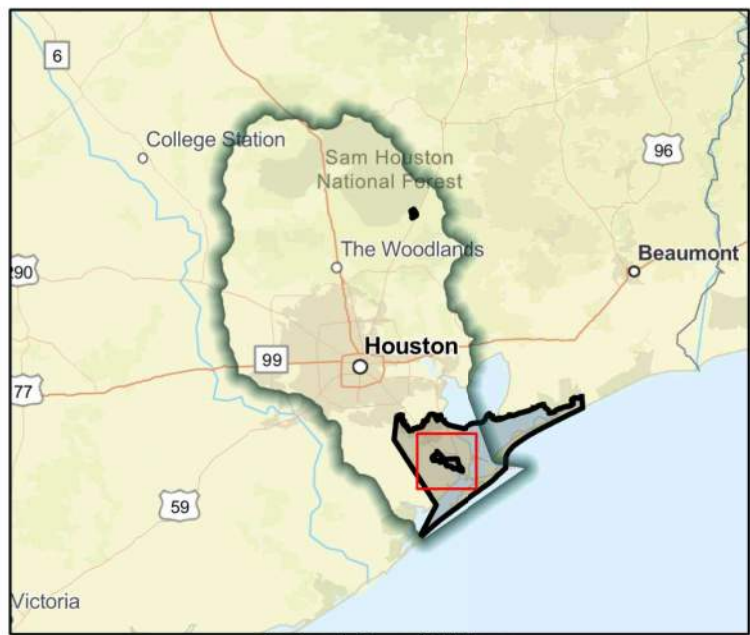
Estimated Cost and Funding Availability

Total Cost **\$360,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Cowart Creek Segment 16**

ID# **061000070**

Sponsor (name of entity, not person) **Pearland (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Brazoria** Watershed HUC# (if known) **120402040100**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **313** # of structures **150** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

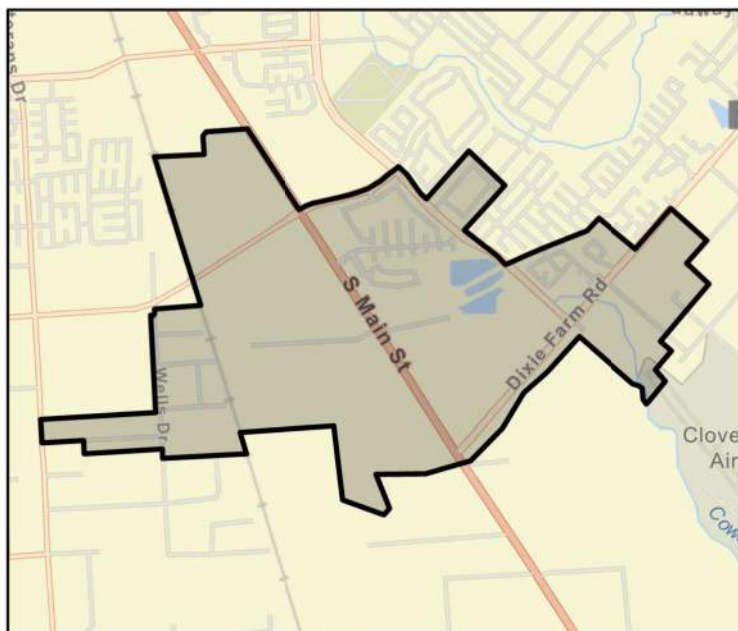
Farm/Ranch land impacted (acres) **8** Roadway(s) impacted (length) **1**

Number of low water crossings **0** Historical road closures **0**

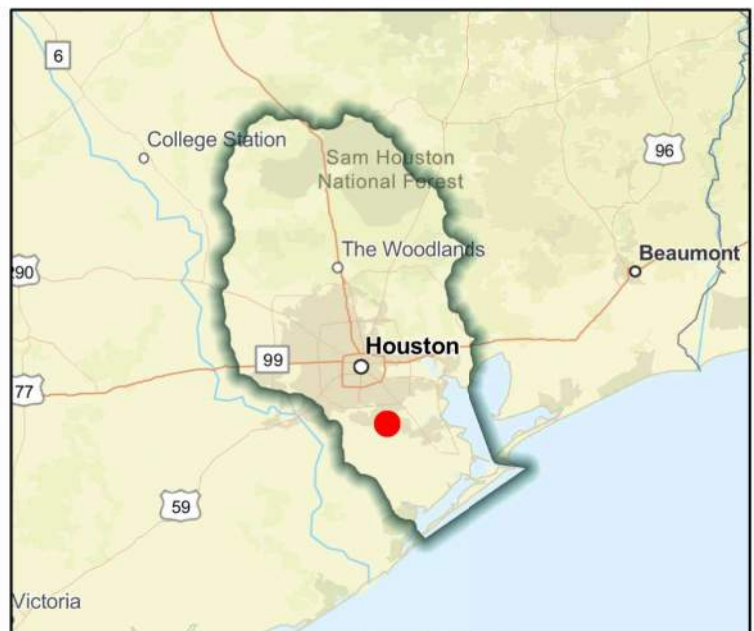
Estimated Cost and Funding Availability

Total Cost **\$40,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **Other**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Cypress Creek Implementation Plan - Various Detention Sites**

ID# **061000357**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. The Implementation Plan identifies that approximately 14,000 acre-feet of stormwater detention volume across 23 different sites reducing flooding risk.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401020104,120401020106,120401020105,120401020107,120401020**

Drainage area (Square miles, est.) **118** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **21,959** # of structures **4,100** Critical facilities **73**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

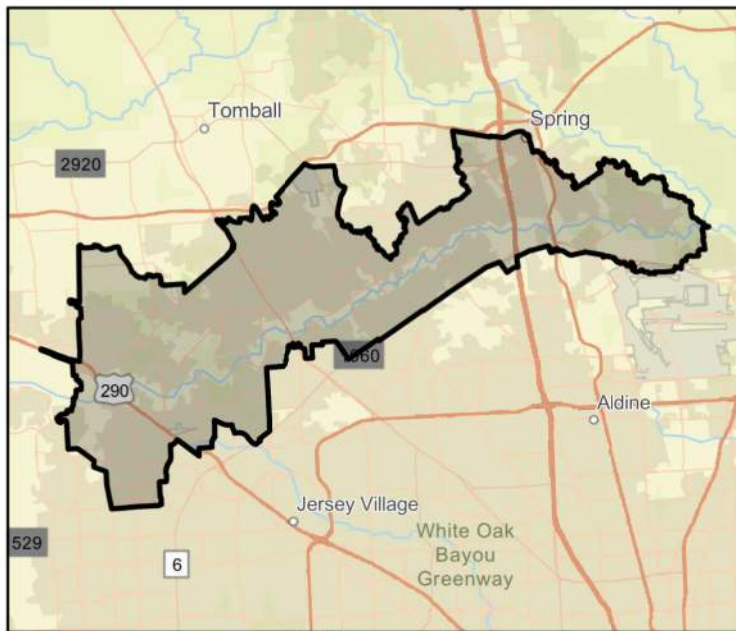
Farm/Ranch land impacted (acres) **75** Roadway(s) impacted (length) **80**

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 **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Cypress Creek Watershed Study**

ID# **061000181**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Watershed wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **Yes** Existing/Anticipated models in near term? **Yes**

County **Harris,Waller** Watershed HUC# (if known) **120401020102,120401020103,120401020104,120401020106,120401020**

Drainage area (Square miles, est.) **266** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **22,497** # of structures **4,162** Critical facilities **89**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

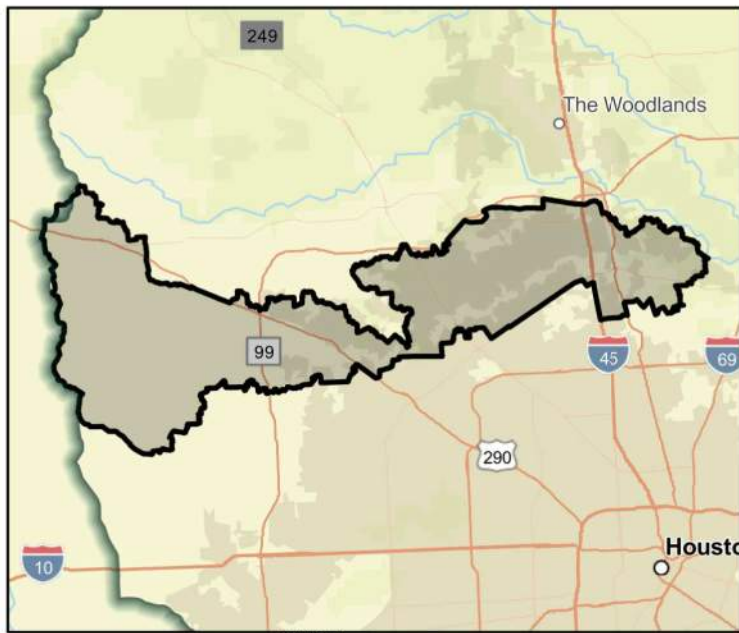
Farm/Ranch land impacted (acres) **1,660** Roadway(s) impacted (length) **109**

Number of low water crossings **18** Historical road closures **18**

Estimated Cost and Funding Availability

Total Cost **\$1,230,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Dam and Levee Failure Inundation Map Update**

ID# **061000078**

Sponsor (name of entity, not person) **Brazoria (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study by each jurisdiction to update their dam and levee failure inundation maps to identify the probability and impact of a dam and levee failures.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Brazoria** Watershed HUC# (if known) **120402040300,120402040200,120402040400,120402040100**

Drainage area (Square miles, est.) **1,482** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **65,547** # of structures **18,848** Critical facilities **248**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **8,584** Roadway(s) impacted (length) **328**

Number of low water crossings **0** Historical road closures **0**

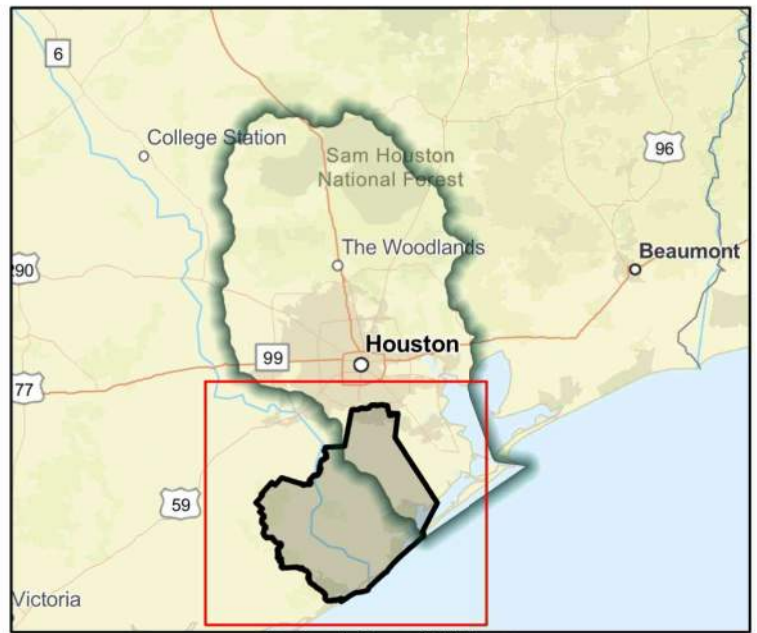
Estimated Cost and Funding Availability

Total Cost **\$2,200,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Danubina Drainage Improvements**

ID# **061000422**

Sponsor (name of entity, not person) **Baytown (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to further this project and develop an FMP. This CDBG-MIT application involves the installation and construction of various storm sewer and detention infrastructure.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Chambers,Harris** Watershed HUC# (if known) **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? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

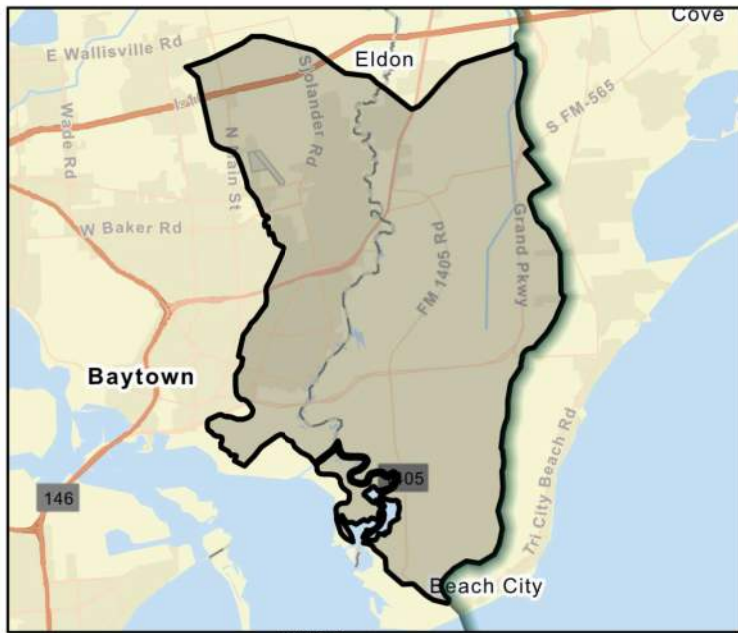
Farm/Ranch land impacted (acres) **98** Roadway(s) impacted (length) **14**

Number of low water crossings **0** Historical road closures **0**

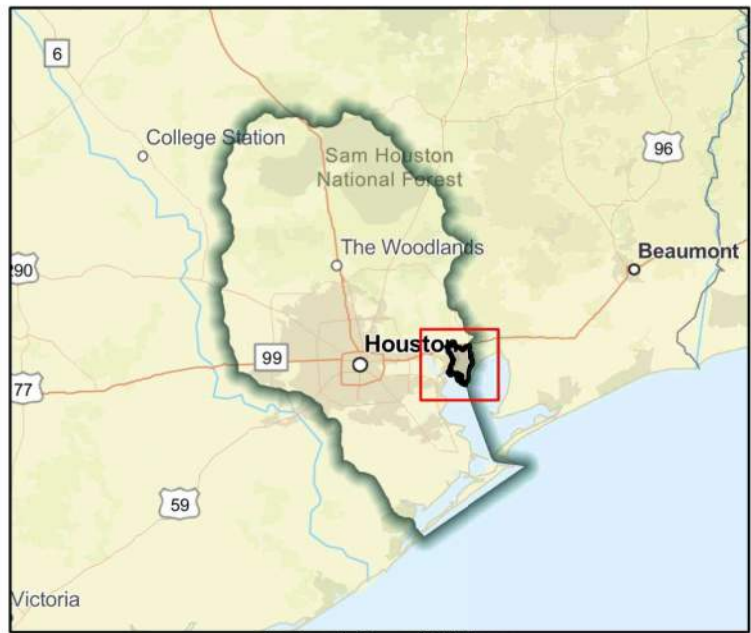
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Downtown Cleveland Drainage Line Installation**

ID# **061000153**

Sponsor (name of entity, not person) **Cleveland (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of proposed larger drainage lines in downtown Cleveland to reduce flooding.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Liberty, Montgomery, San Jacinto** Watershed HUC# (if known) **120401030201, 120401030108, 120401030109, 120401030203, 120401030**

Drainage area (Square miles, est.) **19** Goal(s) **06000001, 06000011, 06000012, 06000015**

100-Year Flood Risk Summary

Population at risk **1,267** # of structures **261** Critical facilities **0**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

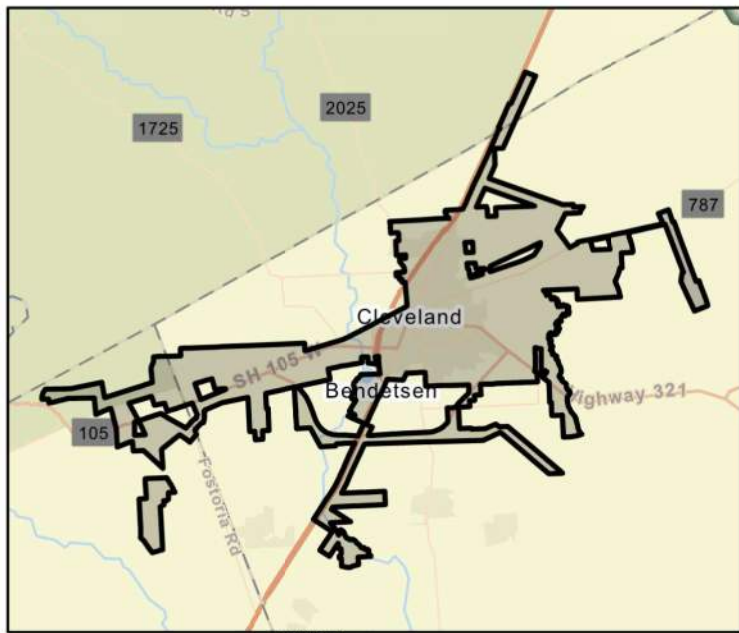
Farm/Ranch land impacted (acres) **29** Roadway(s) impacted (length) **27**

Number of low water crossings **1** Historical road closures **1**

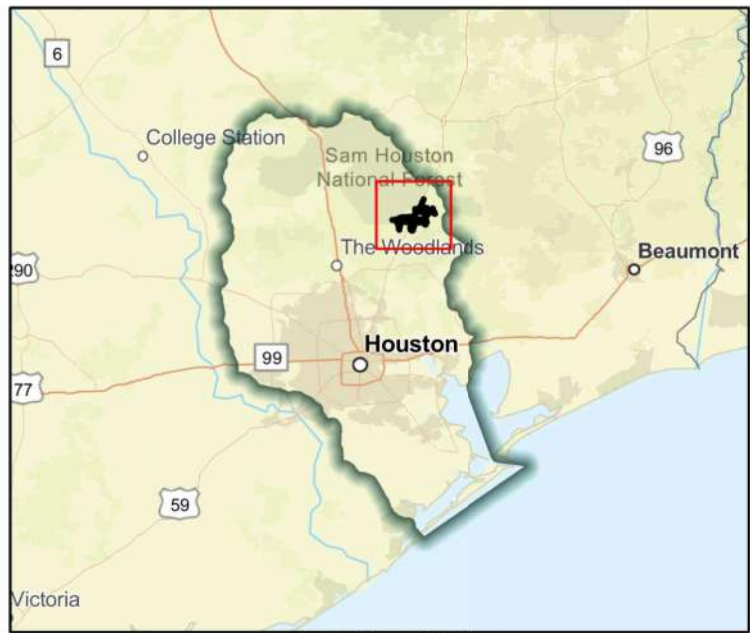
Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Drainage System Analysis for City of Santa Fe**

ID# **061000165**

Sponsor (name of entity, not person) **Santa Fe (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study to widen drainage systems and increase culvert size to accommodate increased water flows. Coordinate efforts with water district.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Galveston** Watershed HUC# (if known) **120402040300,120402040200**

Drainage area (Square miles, est.) **17** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **798** # of structures **400** Critical facilities **1**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

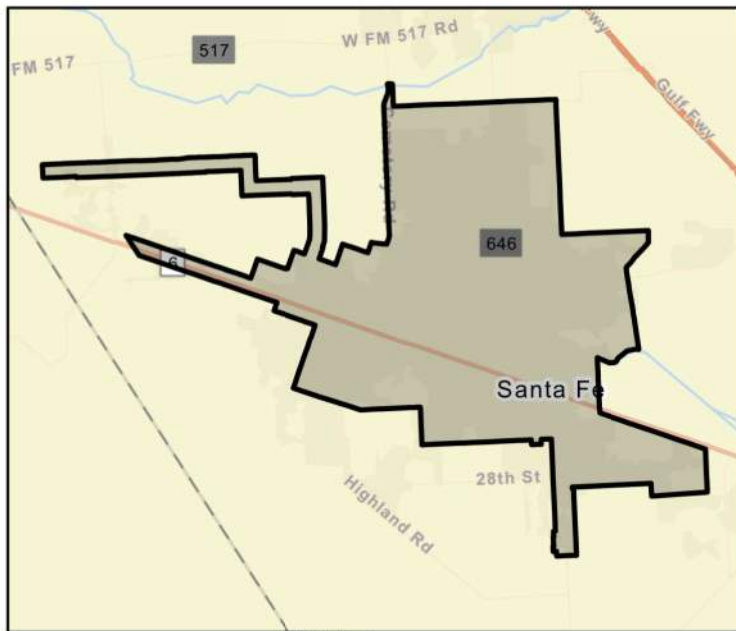
Farm/Ranch land impacted (acres) **12** Roadway(s) impacted (length) **4**

Number of low water crossings **9** Historical road closures **9**

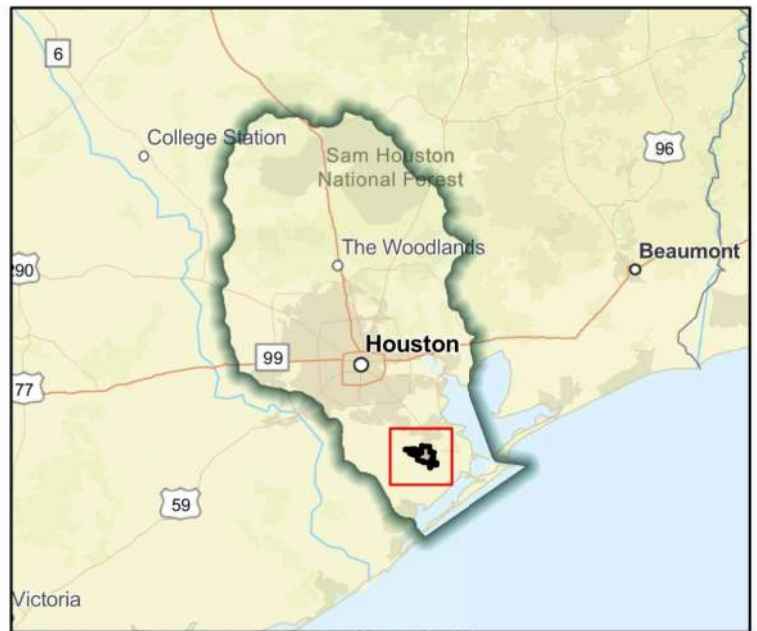
Estimated Cost and Funding Availability

Total Cost **\$300,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Dredging Cedar Bayou**

ID# **061000076**

Sponsor (name of entity, not person) **Chambers (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study of proposed Cedar Bayou dredging to determine flood risk reduction potential.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Chambers** Watershed HUC# (if known) **120402030105,120402030104,120402030106,120402030200**

Drainage area (Square miles, est.) **44** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **735** # of structures **119** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **341** Roadway(s) impacted (length) **6**

Number of low water crossings **0** Historical road closures **0**

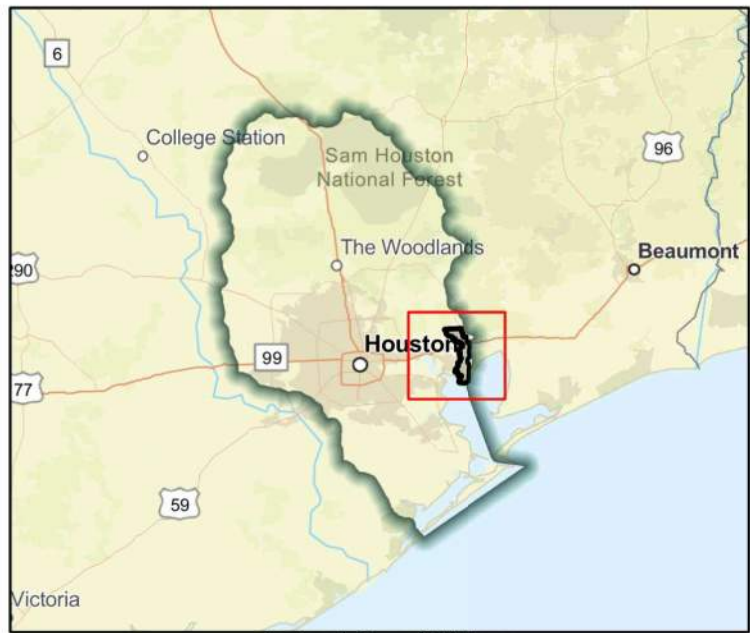
Estimated Cost and Funding Availability

Total Cost **\$7,070,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Durant Street Storm Sewer and Pavement Improvements - Phase 1**

ID# **061000001**

Sponsor (name of entity, not person) **Alvin (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of Durant Street Phase 1 to reduce flood risk with upgrades to storm sewer system, concrete curb, gutter, pavement, and sidewalk.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Brazoria** Watershed HUC# (if known) **120402040400**

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? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **-**

Number of low water crossings **-** Historical road closures **-**

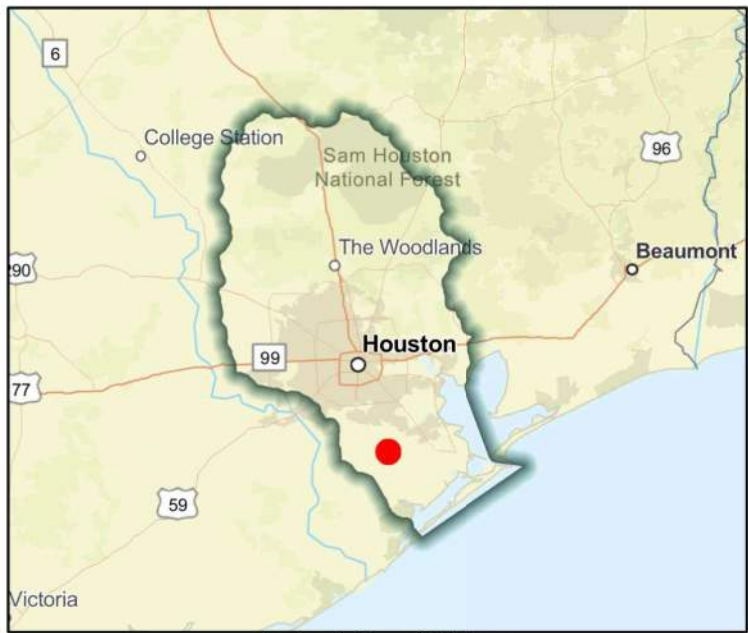
Estimated Cost and Funding Availability

Total Cost **\$110,000** Amount of Available Funding **110000** Federal funding availability **Yes**

Funding source **Bonds/Other Financing**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Durant Street Storm Sewer and Pavement Improvements - Phase 2**

ID# **061000002**

Sponsor (name of entity, not person) **Alvin (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of Durant Street Phase 2 to reduce flood risk with upgrades to storm sewer system, concrete curb, gutter, pavement, and sidewalk.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Brazoria** Watershed HUC# (if known) **120402040400**

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? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) - **-** Roadway(s) impacted (length) - **-**

Number of low water crossings - **-** Historical road closures - **-**

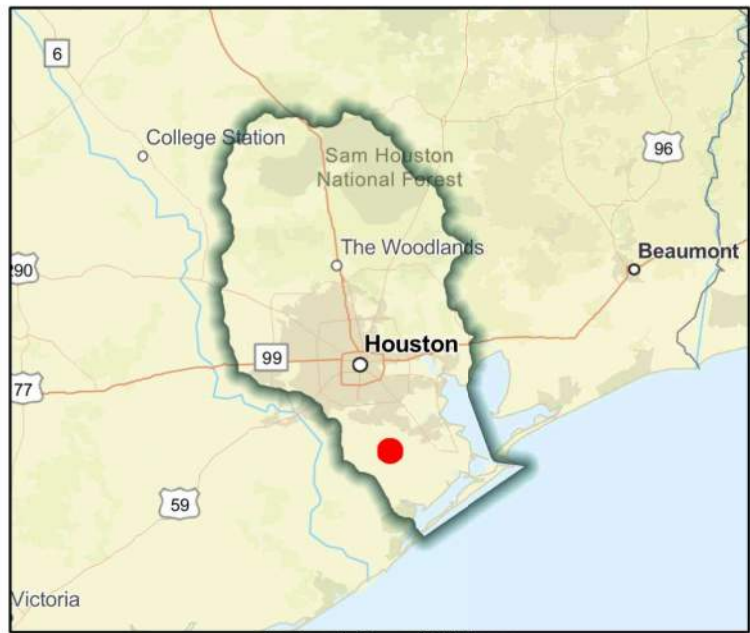
Estimated Cost and Funding Availability

Total Cost **\$90,000** Amount of Available Funding **90000** Federal funding availability **Yes**

Funding source **Bonds/Other Financing**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Emergency Need? Existing/Anticipated models in near term?

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

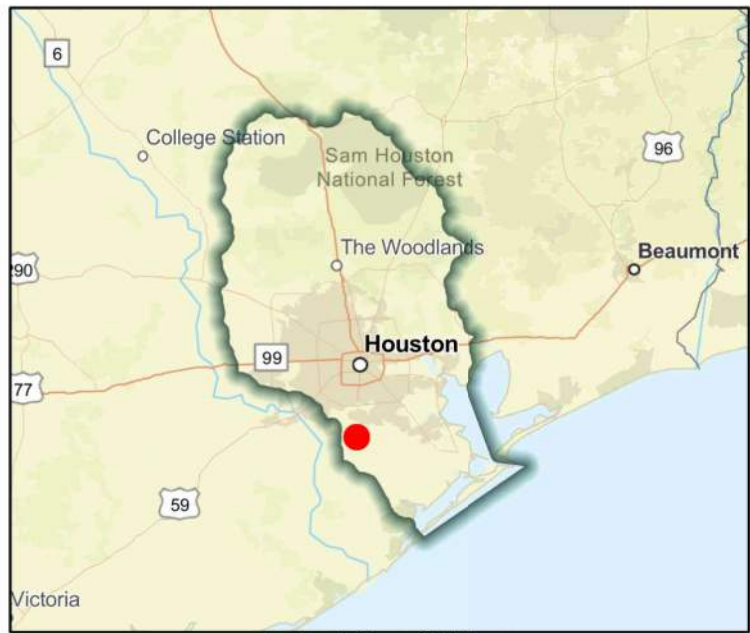
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **East Fork North - Alligator Creek Watershed**

ID# **061000446**

Sponsor (name of entity, not person) **Conroe (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Montgomery** Watershed HUC# (if known) **120401010207,120401010401**

Drainage area (Square miles, est.) **6** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **3,099** # of structures **516** Critical facilities **2**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

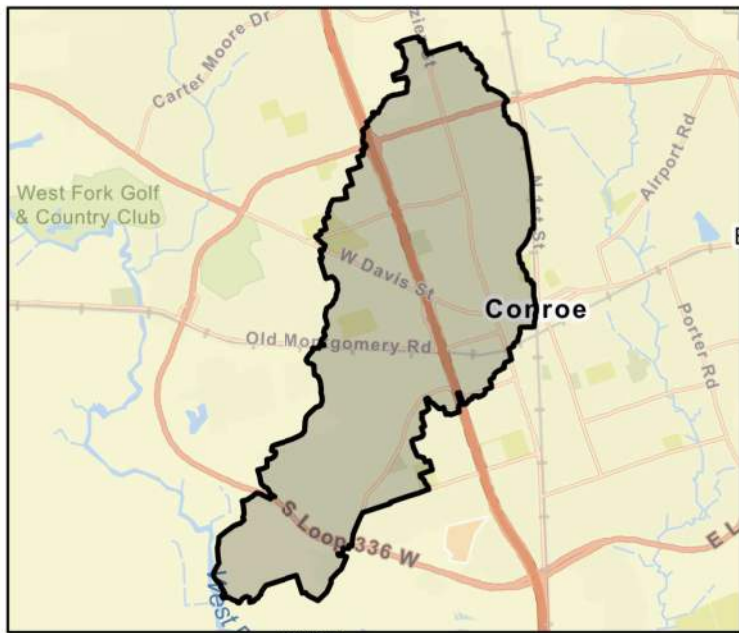
Farm/Ranch land impacted (acres) **2** Roadway(s) impacted (length) **10**

Number of low water crossings **9** Historical road closures **9**

Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **East Fork South - Alligator Creek Watershed**

ID# **061000447**

Sponsor (name of entity, not person) **Conroe (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Montgomery** Watershed HUC# (if known) **120401010207,120401010401**

Drainage area (Square miles, est.) **6** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **3,099** # of structures **516** Critical facilities **2**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

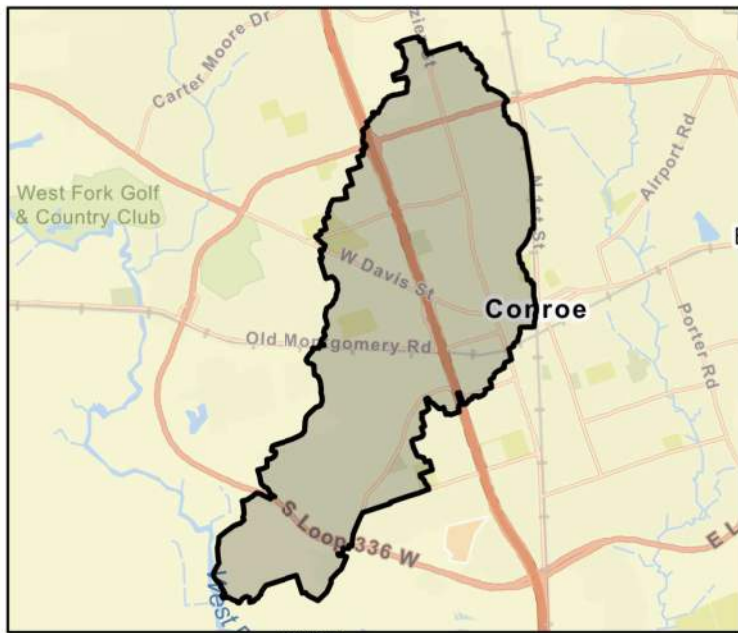
Farm/Ranch land impacted (acres) **2** Roadway(s) impacted (length) **10**

Number of low water crossings **9** Historical road closures **9**

Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Elevate Existing Bridge - East Fork San Jacinto River**

ID# **061000140**

Sponsor (name of entity, not person) **North Cleveland (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Evaluate, Design and construct new bridge over east fork san jacinto river on low water bridge road to reduce flooding.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Liberty** Watershed HUC# (if known) **120401030201,120401030401**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **44** # of structures **52** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

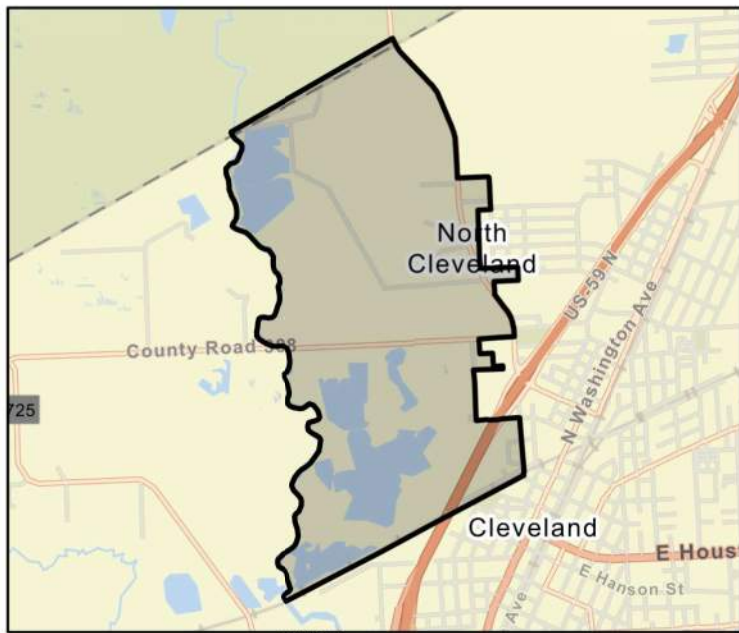
Farm/Ranch land impacted (acres) **6** Roadway(s) impacted (length) **3**

Number of low water crossings **-** Historical road closures **-**

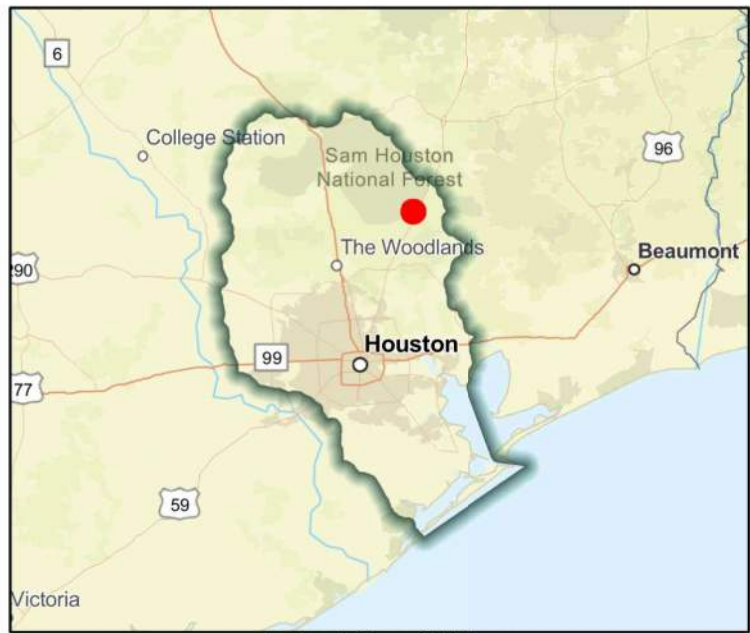
Estimated Cost and Funding Availability

Total Cost **\$1,000,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Elevation of Bridge Road in City of North Cleveland**

ID# **061000162**

Sponsor (name of entity, not person) **North Cleveland (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study to elevate Bridge road.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Liberty, Montgomery, San Jacinto** Watershed HUC# (if known) **120401030201, 120401030108, 120401030109, 120401030203, 120401030**

Drainage area (Square miles, est.) **19** Goal(s) **06000001, 06000011, 06000012, 06000015**

100-Year Flood Risk Summary

Population at risk **1,267** # of structures **261** Critical facilities **0**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

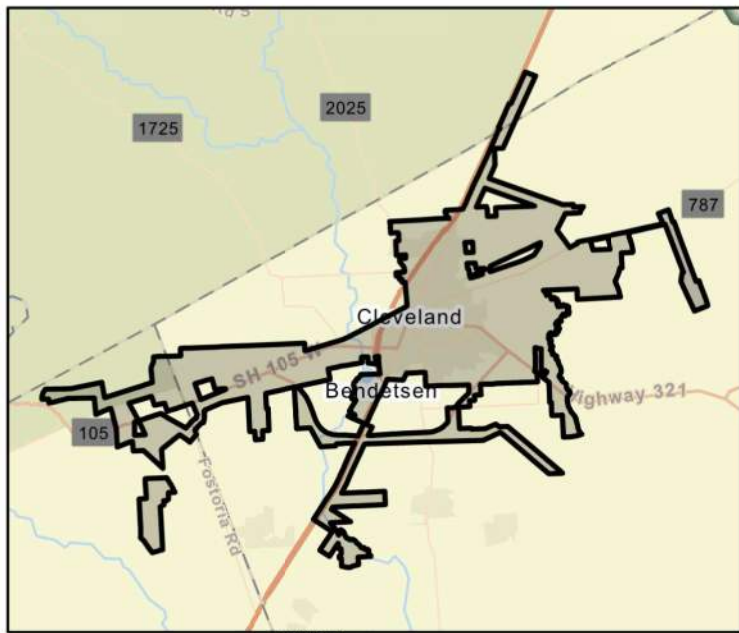
Farm/Ranch land impacted (acres) **29** Roadway(s) impacted (length) **27**

Number of low water crossings **1** Historical road closures **1**

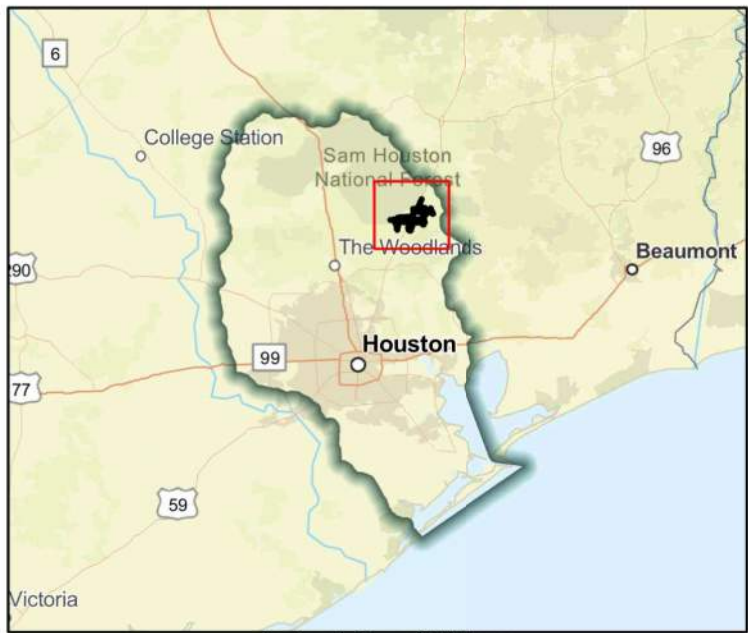
Estimated Cost and Funding Availability

Total Cost **\$120,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Evaluatin of Increase Height of Existing Levee Wall System in City of La Marque**

ID# **061000149**

Sponsor (name of entity, not person) **La Marque (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Increase height of existing Levee wall system to withstand a Category 5 storm surge.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Galveston** Watershed HUC# (if known) **120402040200**

Drainage area (Square miles, est.) **14** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **1,612** # of structures **829** Critical facilities **8**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

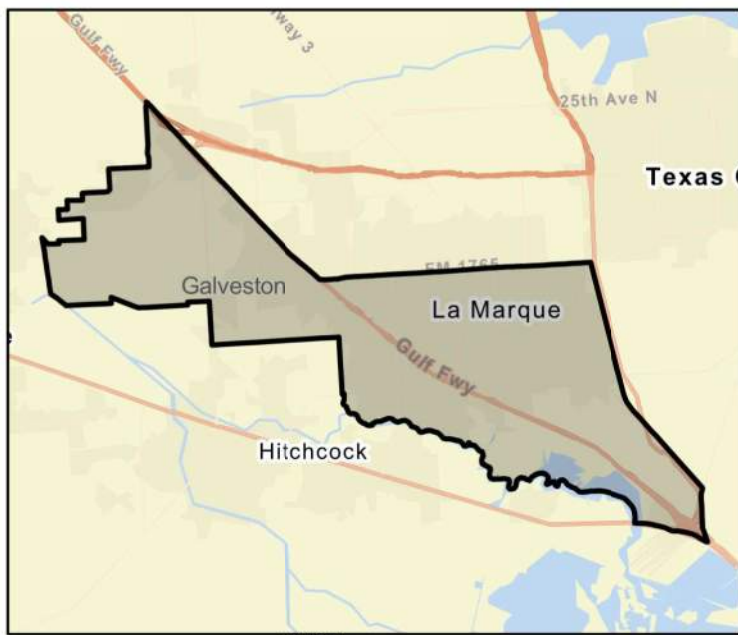
Farm/Ranch land impacted (acres) **38** Roadway(s) impacted (length) **31**

Number of low water crossings **1** Historical road closures **1**

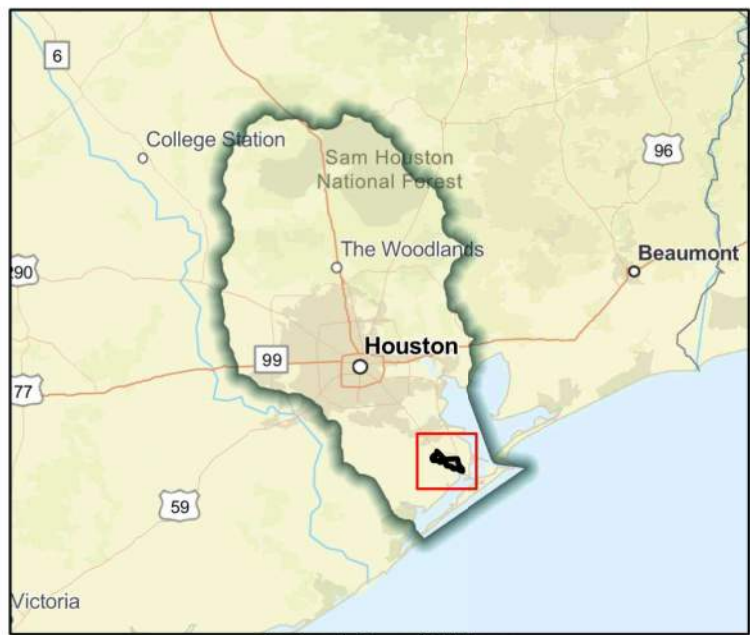
Estimated Cost and Funding Availability

Total Cost **\$810,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Evaluation of Culvert Enlargement and Bridge Elevation in Grimes County**

ID# **061000120**

Sponsor (name of entity, not person) **Grimes (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to identify flood-prone areas and mitigate the flooding problem by enlarging culverts under roads and bridges.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Grimes** Watershed HUC# (if known) **120401010101,120401010301,120401010302,120401010303,120401010**

Drainage area (Square miles, est.) **799** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **120** # of structures **145** Critical facilities **0**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **151** Roadway(s) impacted (length) **11**

Number of low water crossings **1** Historical road closures **1**

Estimated Cost and Funding Availability

Total Cost **\$750,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Evaluation of Dredging of Channels that Exit Into Lake Houston
 ID# 061000437
 Sponsor (name of entity, not person) Harris (County)
 RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

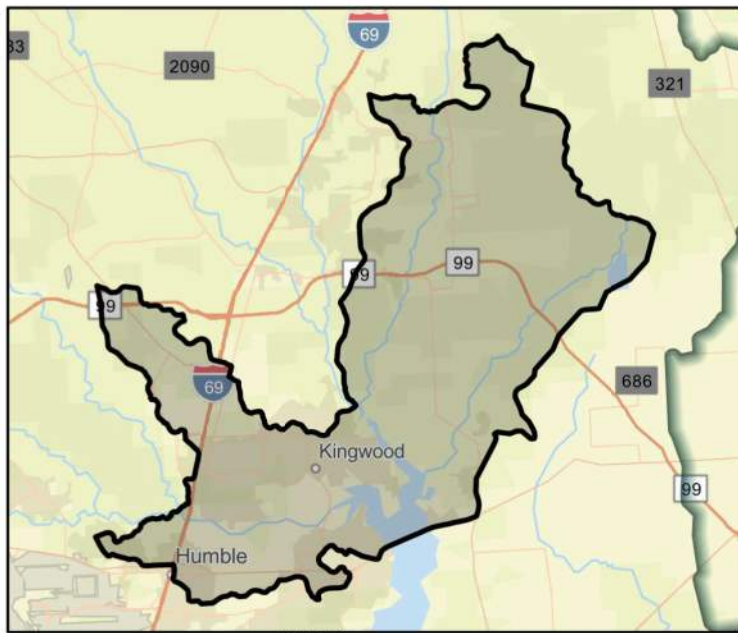
Study type Project Planning
 Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.
 New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes
 County Harris,Liberty,Montgomery Watershed HUC# (if known) 120401010501,120401030205,120401030402
 Drainage area (Square miles, est.) 156 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 25,574 # of structures 6,662 Critical facilities 64
 Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No
 Farm/Ranch land impacted (acres) 327 Roadway(s) impacted (length) 169
 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 Yes
 Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Evaluation of Mitigation Alternatives for Repetitive Flood Claims Properties in Galveston County

ID# 061000151

Sponsor (name of entity, not person) Galveston (County)

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Evaluate Mitigation Alternatives of Repetitive Flood Claim Properties in Galveston County.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? No

County Galveston Watershed HUC# (if known) 120402040300,120402040200,120402040400,120402040100

Drainage area (Square miles, est.) 665 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 171,395 # of structures 48,570 Critical facilities 681

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres) 3,412 Roadway(s) impacted (length) 910

Number of low water crossings 30 Historical road closures 30

Estimated Cost and Funding Availability

Total Cost \$11,000,000 Amount of Available Funding - Federal funding availability Yes

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Evaluation of Reinforcement of Critical Facilities in the City of Arcola**

ID# **061000150**

Sponsor (name of entity, not person) **Arcola (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Reinforcement of critical facilities to withstand high winds from severe weather.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Fort Bend** Watershed HUC# (if known) **120402040400**

Drainage area (Square miles, est.) **3** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **39** # of structures **41** Critical facilities **0**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **0**

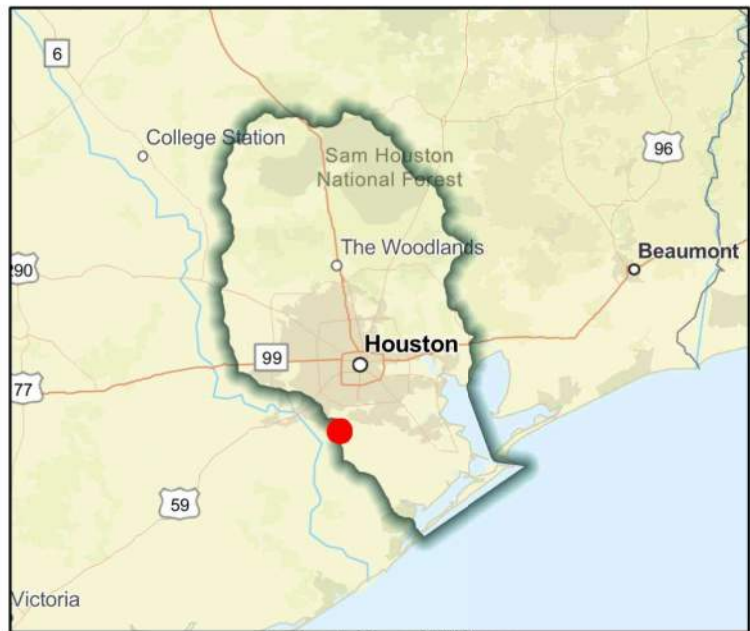
Estimated Cost and Funding Availability

Total Cost **\$200,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Flood Gates Evaluation at Walker County Annex #2**

ID# **061000156**

Sponsor (name of entity, not person) **Walker (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Evaluation of proposed removable facility flood gates at Walker County Annex #2**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Walker** Watershed HUC# (if known) **120401010104,120401010101,120401010102,120401010103,120401010**

Drainage area (Square miles, est.) **798** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **657** # of structures **505** Critical facilities **1**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

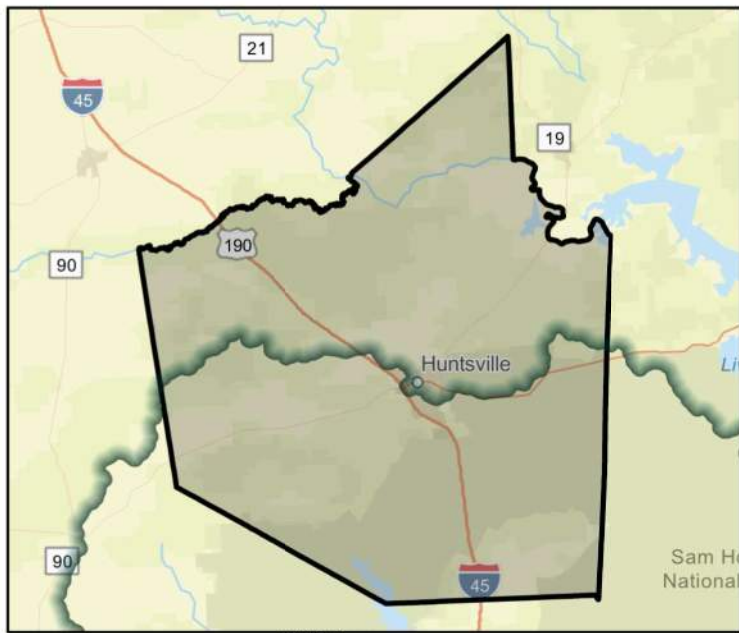
Farm/Ranch land impacted (acres) **180** Roadway(s) impacted (length) **25**

Number of low water crossings **2** Historical road closures **2**

Estimated Cost and Funding Availability

Total Cost **\$20,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Forest Estates - Live Oak Creek Watershed
Artesian Forest 1 - Artesian Creek Watershed

ID# 061000442

Sponsor (name of entity, not person) Conroe (Municipality)

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Montgomery Watershed HUC# (if known) 120401010207,120401010401

Drainage area (Square miles, est.) 2 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 531 # of structures 99 Critical facilities 0

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

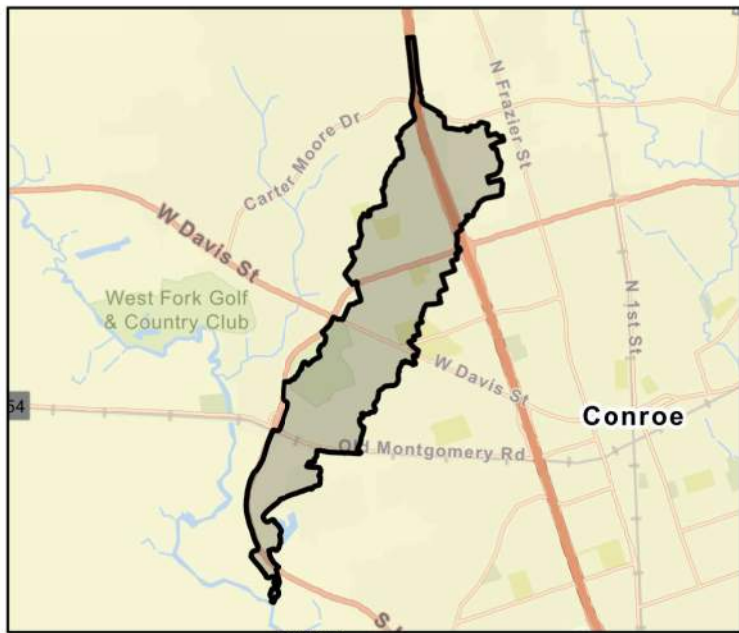
Farm/Ranch land impacted (acres) 1 Roadway(s) impacted (length) 2

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 Yes

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Fort Bend County Willow Fork Channel Improvements**

ID# **061000318**

Sponsor (name of entity, not person) **Fort Bend County Drainage District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study and BCA development. Combo of 11 different channel improvements were identified along Willow Fork and its tributaries as part of the Fort Bend County Master Drainage Plan that, when combined, will provide a 100-year level of service.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Fort Bend,Harris,Waller** Watershed HUC# (if known) **120401040102,120401040103,120401040104,120401040101,120401040**

Drainage area (Square miles, est.) **46** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **1,450** # of structures **404** Critical facilities **10**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **80** Roadway(s) impacted (length) **8**

Number of low water crossings **2** Historical road closures **2**

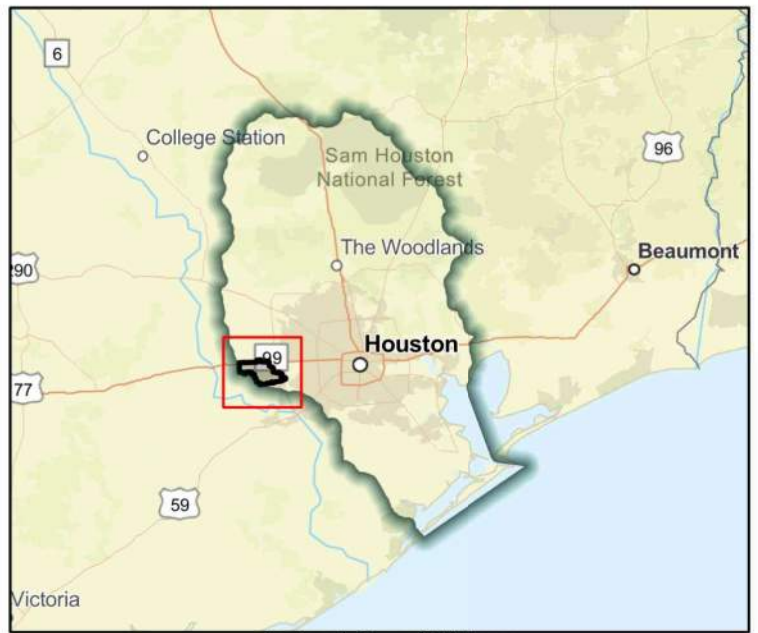
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **G103-38-00 (Kingwood Diversion Ditch)**

ID# **061000360**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a BCR required for this to become a FMP. 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.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris, Montgomery** Watershed HUC# (if known) **120401010501,120401010404,120401030110,120401030402**

Drainage area (Square miles, est.) **27** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **17,400** # of structures **3,464** Critical facilities **54**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

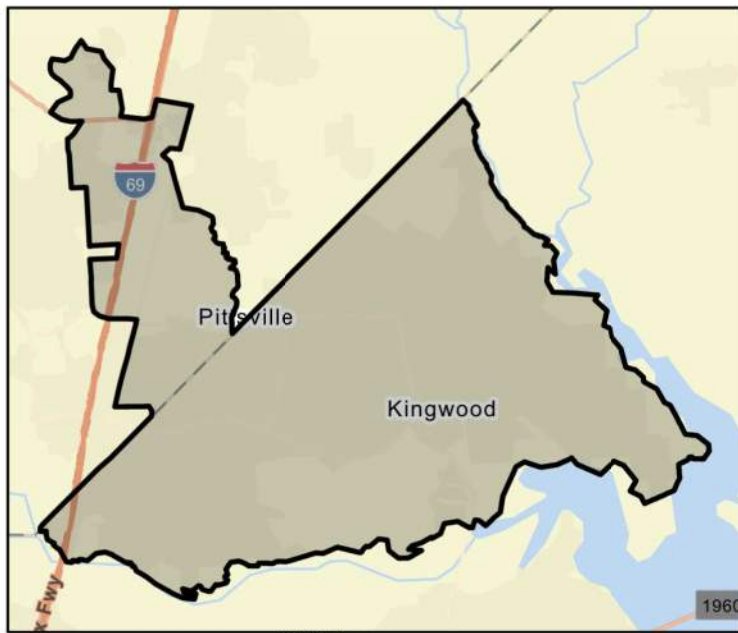
Farm/Ranch land impacted (acres) **9** Roadway(s) impacted (length) **61**

Number of low water crossings **2** Historical road closures **2**

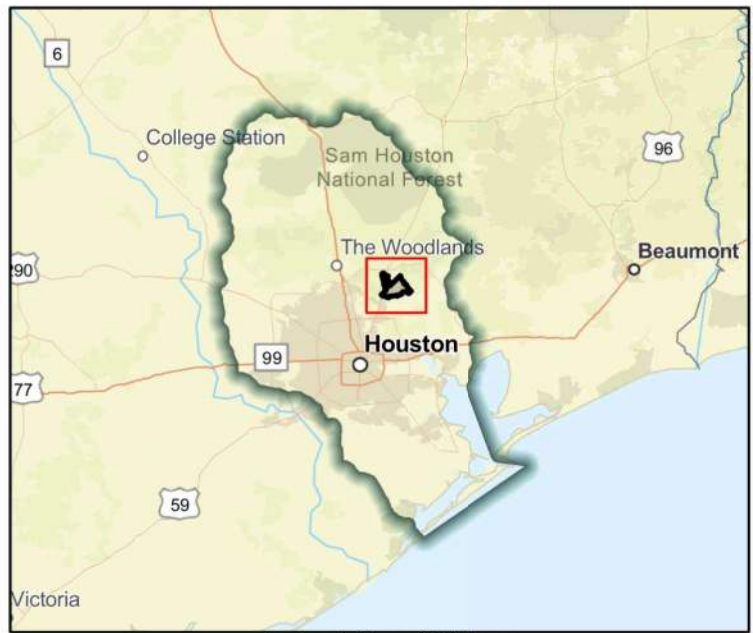
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **G103-80-03.1B (Taylor Gully)**

ID# **061000361**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a BCR required for this project to become a FMP. Improvements to Taylor Gully include two miles of channel conveyance improvements to the upper limits of Taylor Gully and a concrete low flow structure.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401010501,120401010404,120401030110,120401030402**

Drainage area (Square miles, est.) **22** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **16,230** # of structures **3,223** Critical facilities **47**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

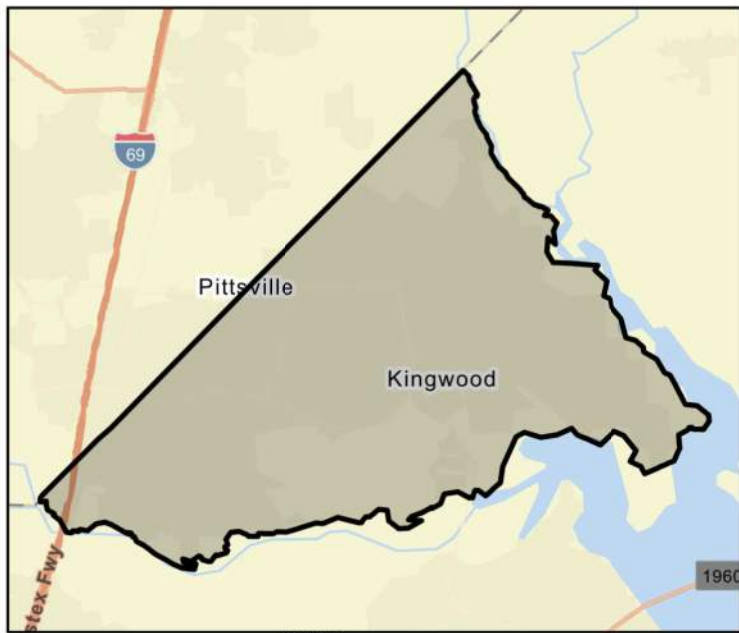
Farm/Ranch land impacted (acres) **9** Roadway(s) impacted (length) **58**

Number of low water crossings **2** Historical road closures **2**

Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



Flood Management Evaluation (FME)



Title Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F101-06-00

ID# 061000349

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. The project could reduce the risk of flooding for over 40 structures in an Atlas 14 1% rainfall event.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris Watershed HUC# (if known) 120401040706,120402040100

Drainage area (Square miles, est.) 2 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk - # of structures - Critical facilities -

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

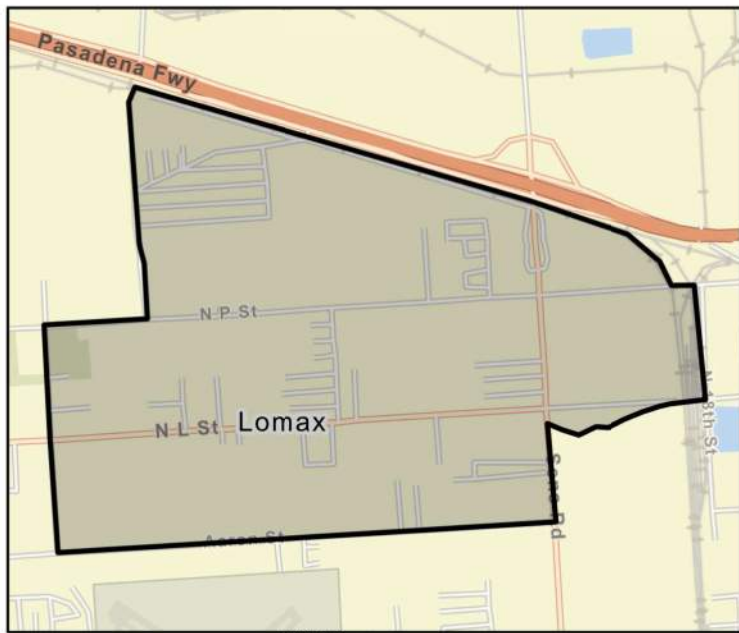
Farm/Ranch land impacted (acres) - Roadway(s) impacted (length) -

Number of low water crossings - Historical road closures -

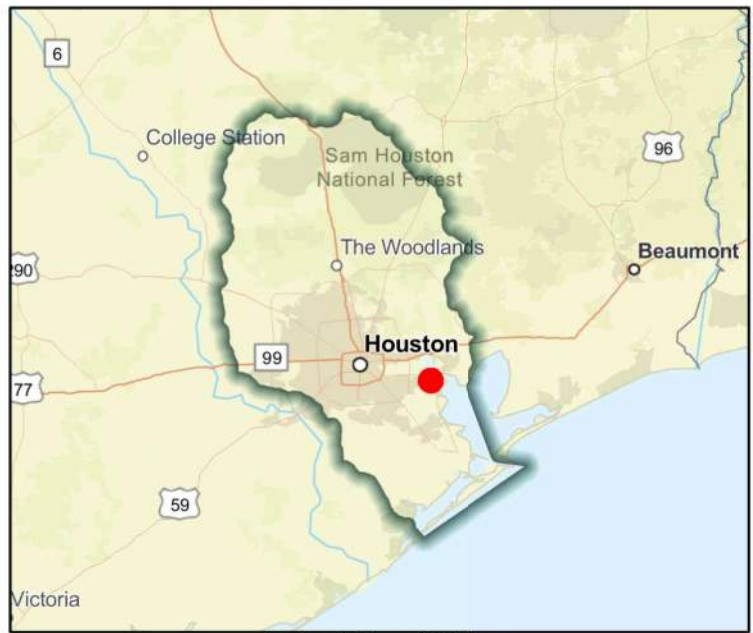
Estimated Cost and Funding Availability

Total Cost \$30,000 Amount of Available Funding - Federal funding availability Yes

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F216-00-00

ID# 061000348

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. The project could reduce the risk of flooding for more than 450 structures in an Atlas 14 1% rainfall event.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris Watershed HUC# (if known) 120401040706,120402040100

Drainage area (Square miles, est.) 1 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 604 # of structures 215 Critical facilities 0

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres) 0 Roadway(s) impacted (length) 4

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 Yes

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Galveston Bay Watershed Plan- PA01 (N+6) Channel & Crossing Improvements**

ID# **061000343**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop BCA to become FMP. Channel deepening from N Broadway St to N Utah St, convert open channel segment to closed conduit w/ 8'x5' concrete boxes b/w N Utah St & Main St, replace concrete pipe w/ dual 8'x5' concrete box culvert outfall to F212.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120402040100**

Drainage area (Square miles, est.) **1** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **648** # of structures **259** Critical facilities **7**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

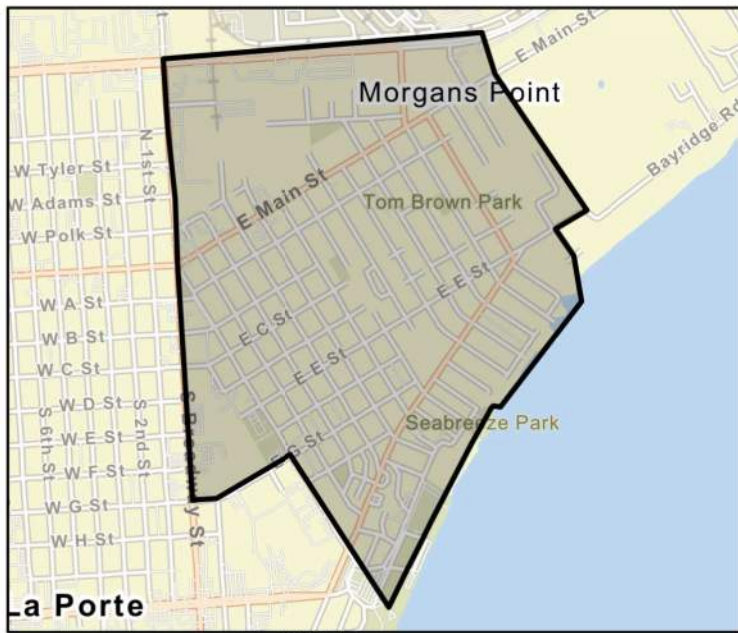
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **5**

Number of low water crossings **0** Historical road closures **0**

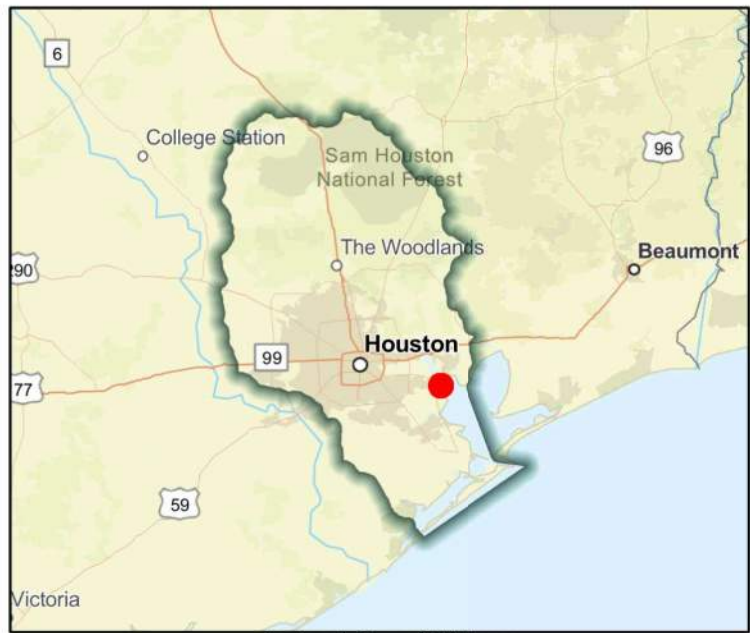
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Galveston Bay Watershed Plan- Analysis of PA07 100-year Conveyance Project

ID# 061000034

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Project recommended by the Galveston Bay Watershed Plan. Modeling required to determine no negative Proposed subdivision drainage improvements to the Battle Ground Estates include replacement of driveway crossings and widening F101-08.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Chambers,Harris Watershed HUC# (if known) 120401040706,120402040100

Drainage area (Square miles, est.) 19 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 14,150 # of structures 3,302 Critical facilities 108

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres) 18 Roadway(s) impacted (length) 55

Number of low water crossings 0 Historical road closures 0

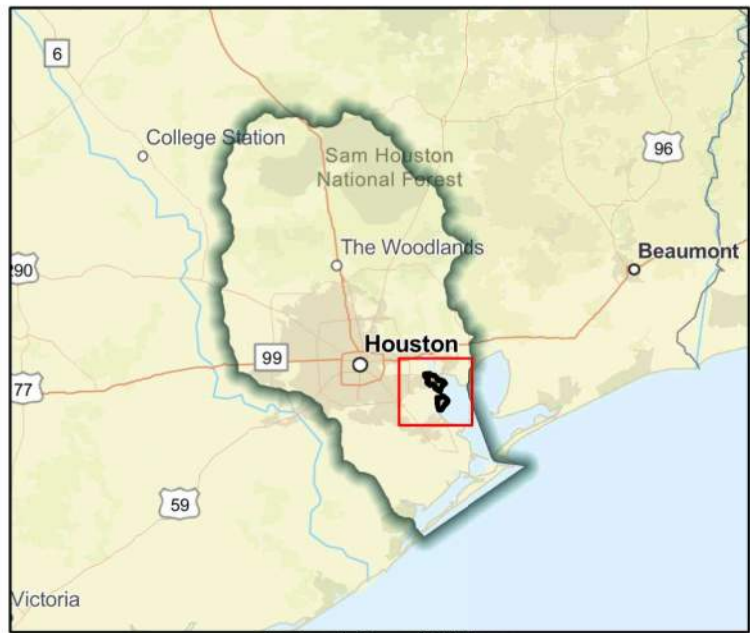
Estimated Cost and Funding Availability

Total Cost \$400,000 Amount of Available Funding - Federal funding availability Yes

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Galveston Bay Watershed Plan- Analysis of PA08 100-year Conveyance Project**

ID# **061000035**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Project recommended by the Galveston Bay Watershed Plan. Modeling required to determine no negative impacts. Storm sewer improvements to Monument Estates, increase roadside ditch capacity, and expand bypass channel outflowing into F101-00-00.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Chambers,Harris** Watershed HUC# (if known) **120401040706,120402040100**

Drainage area (Square miles, est.) **19** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **14,150** # of structures **3,302** Critical facilities **108**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **18** Roadway(s) impacted (length) **55**

Number of low water crossings **0** Historical road closures **0**

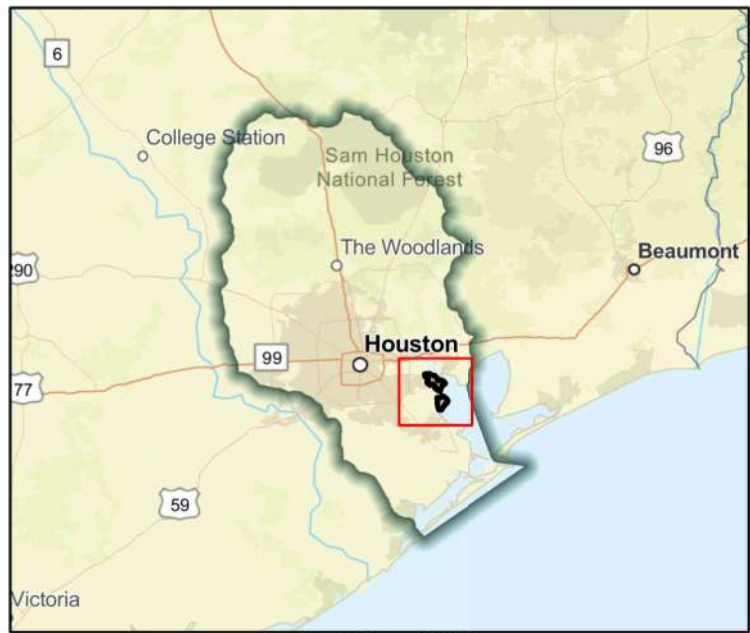
Estimated Cost and Funding Availability

Total Cost **\$800,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



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REGION 6

Title **Galveston Bay Watershed Plan- PA04 (S+4) Crossing Improvements**
 ID# **061000350**
 Sponsor (name of entity, not person) **Harris County Flood Control District**
 RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**
 Study description **Recommended alternative directly addresses need for improved channel conveyance by increasing the size of the crossings at El Jardin Dr and Youpon Dr. to 8'x5' box culverts.**
 New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**
 County **Chambers,Harris** Watershed HUC# (if known) **120402040100**
 Drainage area (Square miles, est.) **0** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

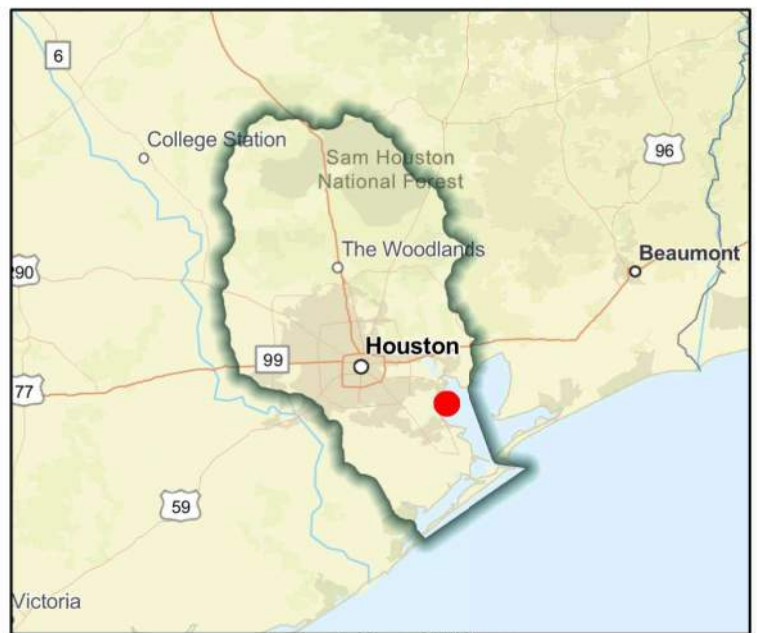
Population at risk **391** # of structures **190** Critical facilities **0**
 Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**
 Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **3**
 Number of low water crossings **0** Historical road closures **0**

Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**
 Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Galveston County Drainage System Improvement Study**

ID# **061000163**

Sponsor (name of entity, not person) **Galveston (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study to widen drainage systems and increase culvert size to accommodate increased water flows. Coordinate efforts with water district.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Galveston** Watershed HUC# (if known) **120402040300,120402040200,120402040400,120402040100**

Drainage area (Square miles, est.) **665** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **171,395** # of structures **48,570** Critical facilities **681**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **3,412** Roadway(s) impacted (length) **910**

Number of low water crossings **30** Historical road closures **30**

Estimated Cost and Funding Availability

Total Cost **\$1,590,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Galveston Flood Mapping Updates**

ID# **061000304**

Sponsor (name of entity, not person) **Galveston (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **County wide study to produce flood mapping updates including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Galveston** Watershed HUC# (if known) **120402040300,120402040200,120402040400,120402040100**

Drainage area (Square miles, est.) **665** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **171,395** # of structures **48,570** Critical facilities **681**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **3,412** Roadway(s) impacted (length) **910**

Number of low water crossings **30** Historical road closures **30**

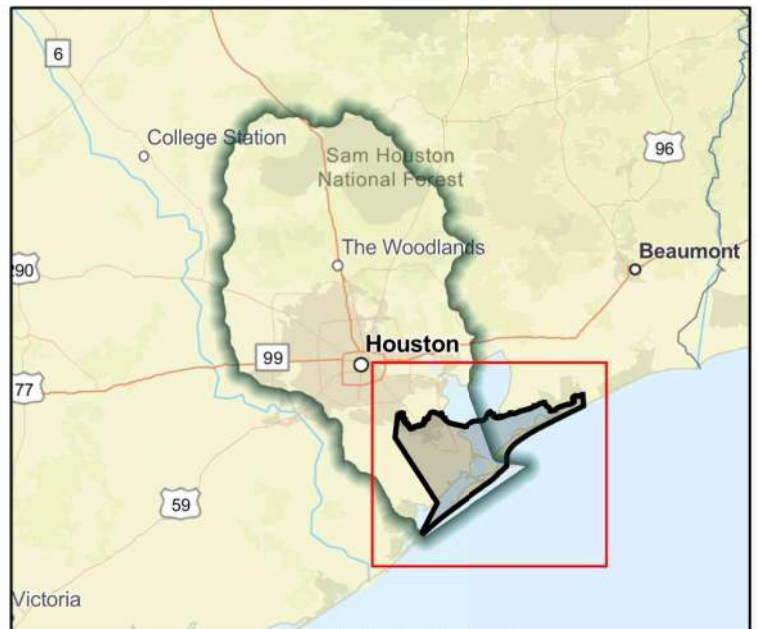
Estimated Cost and Funding Availability

Total Cost **\$2,960,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Goose Creek Flood Risk Reduction Phase 1**

ID# **061000334**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. 1.65 Miles of Goose Creek channel modifications (Downstream of IH 10) with proposed detention basin "J".**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040705,120401040706**

Drainage area (Square miles, est.) **35** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **9,371** # of structures **1,883** Critical facilities **64**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

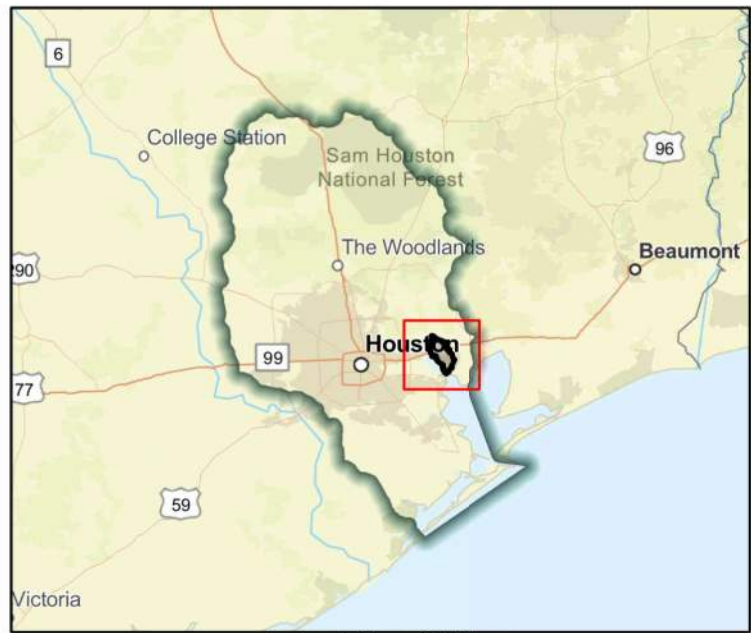
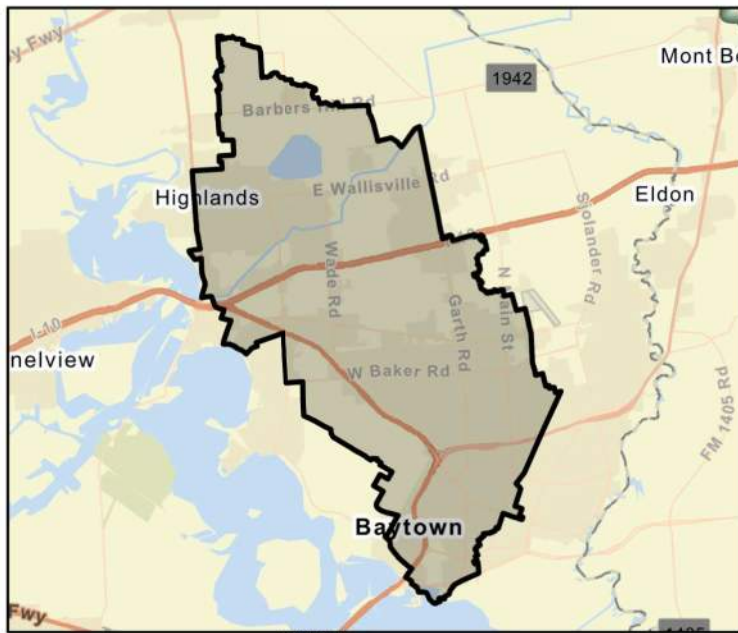
Farm/Ranch land impacted (acres) **73** Roadway(s) impacted (length) **33**

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 **Yes**

Funding source **-**



Flood Management Evaluation (FME)



Title **Goose Creek Flood Risk Reduction Phase 2**

ID# **061000335**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. 1.00 Mile of Goose Creek channel modifications (Upstream of IH 10) with proposed detention basin "I".**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040705,120401040706**

Drainage area (Square miles, est.) **35** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **9,371** # of structures **1,883** Critical facilities **64**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

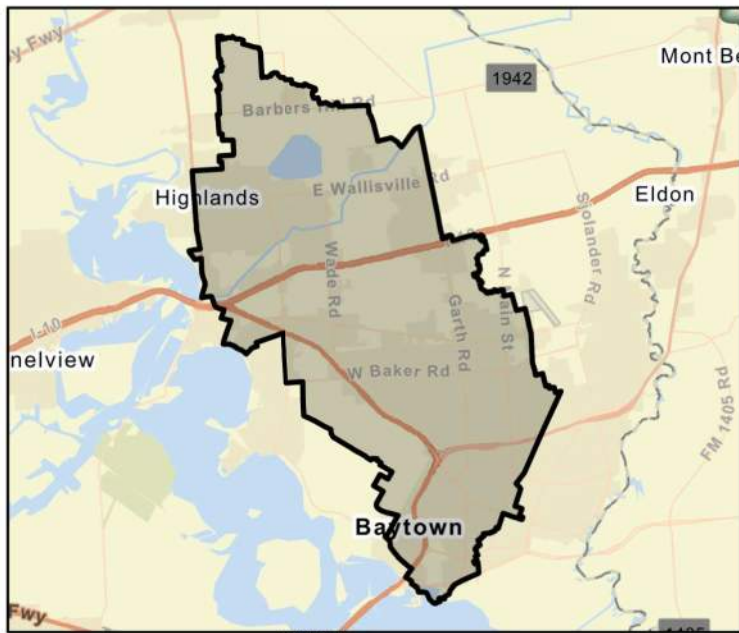
Farm/Ranch land impacted (acres) **73** Roadway(s) impacted (length) **33**

Number of low water crossings **1** Historical road closures **1**

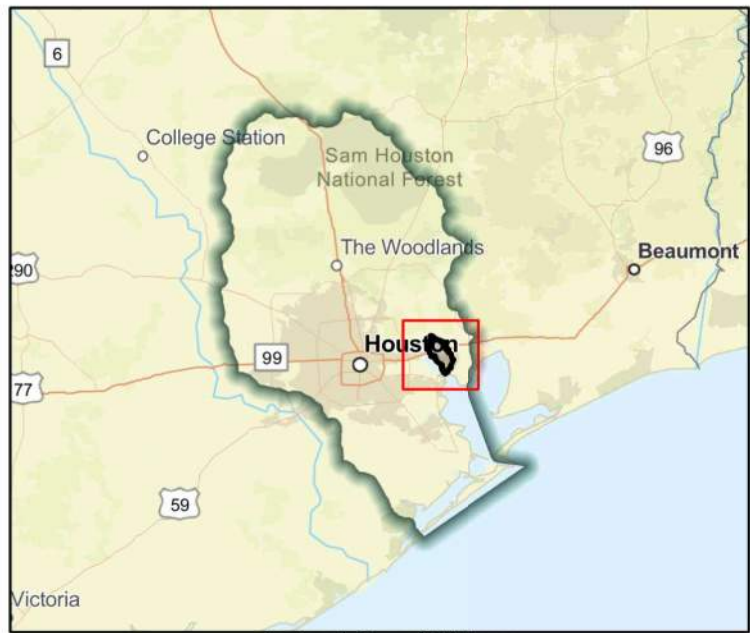
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Goose Creek Flood Risk Reduction Phase 3**

ID# **061000336**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Local channel modifications and crossing structure improvements along O117 and O126.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040705**

Drainage area (Square miles, est.) **35** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **9,371** # of structures **1,883** Critical facilities **64**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

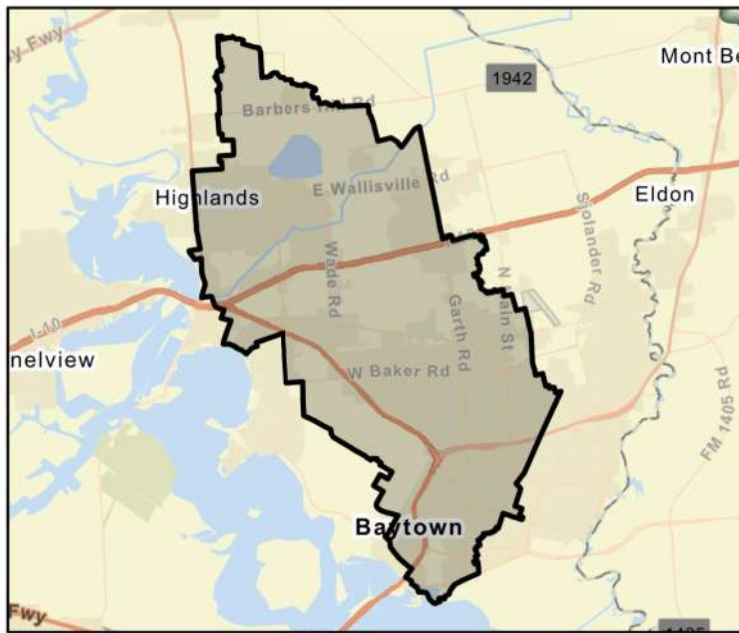
Farm/Ranch land impacted (acres) **73** Roadway(s) impacted (length) **33**

Number of low water crossings **1** Historical road closures **1**

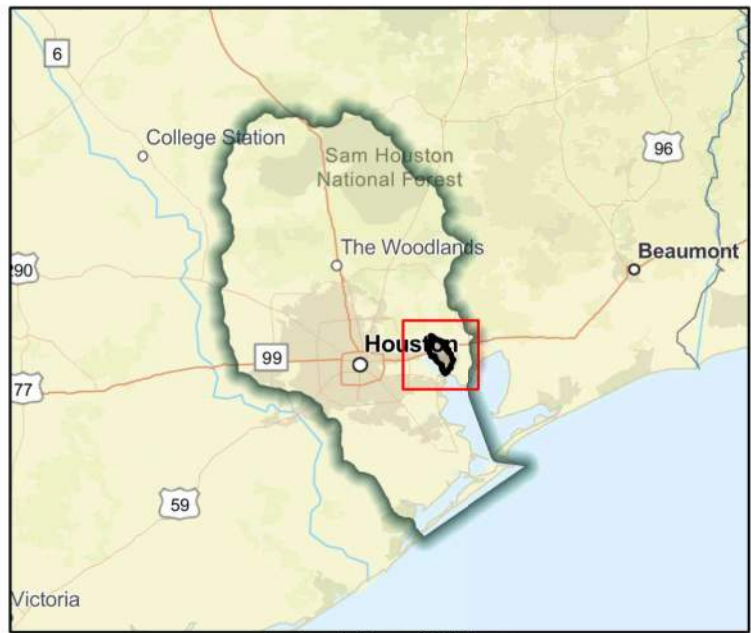
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

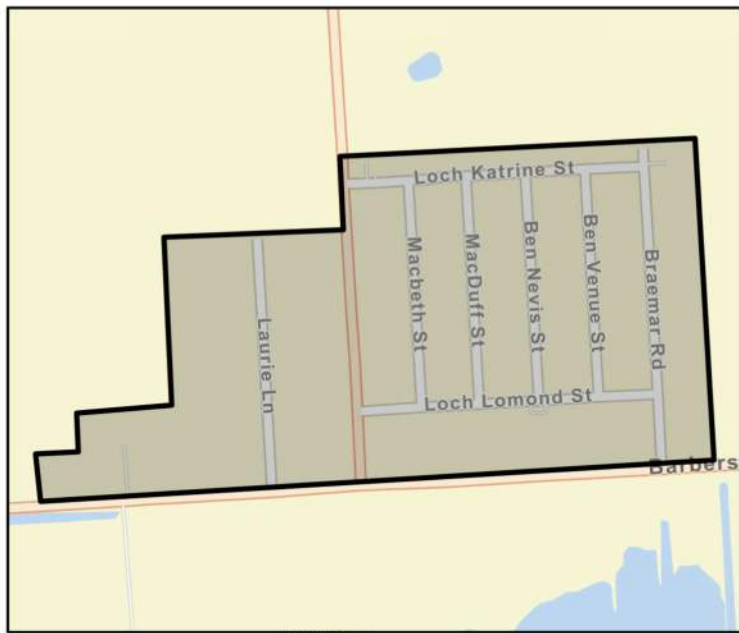
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Goose Creek O119-00-00-P001 (Alt 2A3)**

ID# **061000363**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Secondary option for the recommended alternative with less benefits and project cost.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040705,120402030104**

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? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) - Roadway(s) impacted (length) -

Number of low water crossings - Historical road closures -

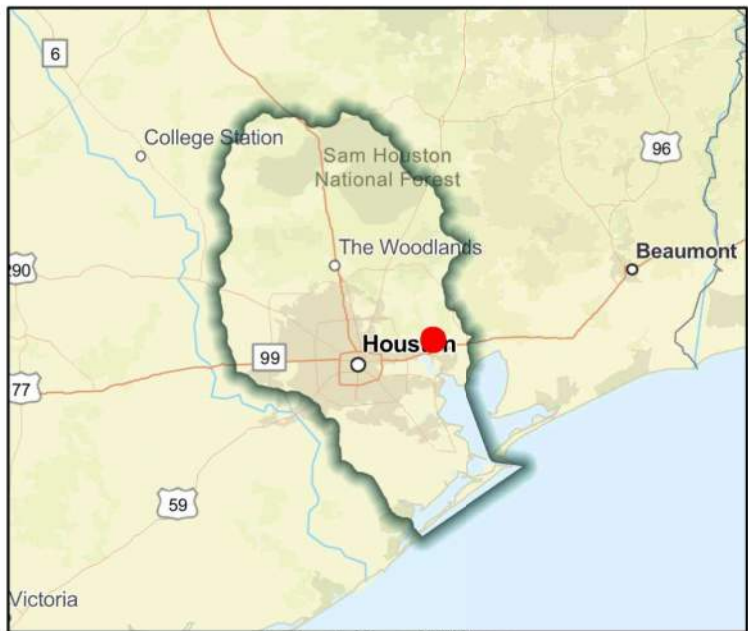
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding - Federal funding availability **Yes**

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Greens Bayou - P103-00-00
 ID# 061000216
 Sponsor (name of entity, not person) Harris County Flood Control District
 RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning
 Study description Further study of 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? No Emergency Need? No Existing/Anticipated models in near term? Yes
 County Harris Watershed HUC# (if known) 120401040703,120401040702,120401040606
 Drainage area (Square miles, est.) 6 Goal(s) 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk 1,750 # of structures 391 Critical facilities 5
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres) 15 Roadway(s) impacted (length) 7
 Number of low water crossings 0 Historical road closures 0

Estimated Cost and Funding Availability

Total Cost \$100,000 Amount of Available Funding - Federal funding availability Yes
 Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Greens Bayou - P130-05-02**

ID# **061000204**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of 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? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040602**

Drainage area (Square miles, est.) **0** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **130** # of structures **94** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **1**

Number of low water crossings **-** Historical road closures **-**

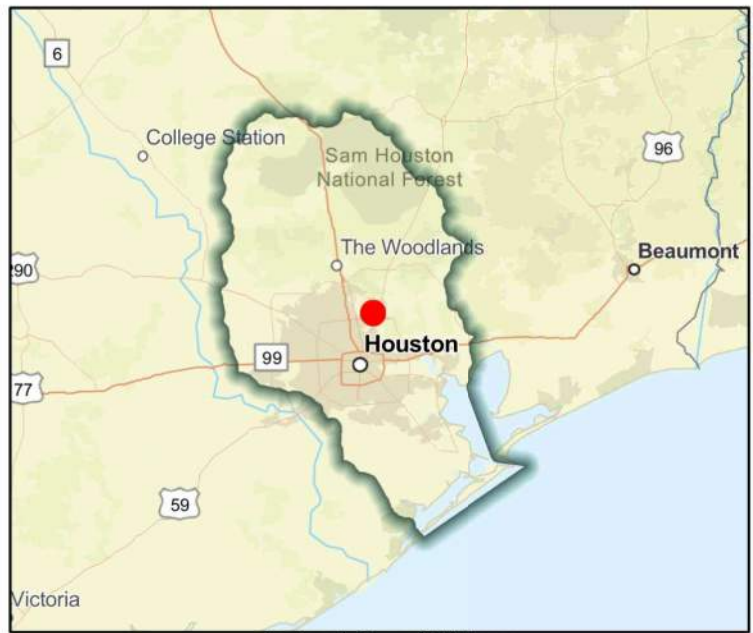
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Greens Bayou - P142-00-00
 ID# 061000205
 Sponsor (name of entity, not person) Harris County Flood Control District
 RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

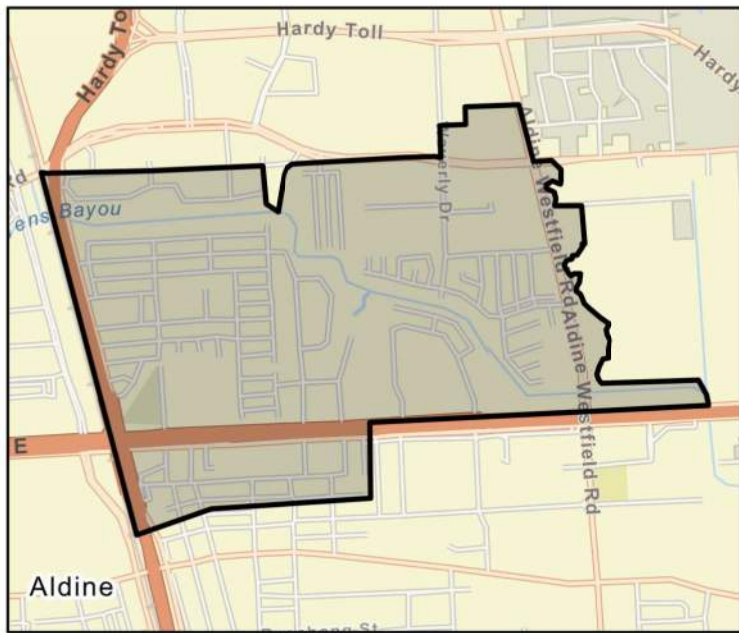
Study type Project Planning
 Study description Further study of Flood Risk Reduction need identified through the HCFCF 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall.
 New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes
 County Harris Watershed HUC# (if known) 120401040603
 Drainage area (Square miles, est.) 2 Goal(s) 06000001,06000010,06000015

100-Year Flood Risk Summary

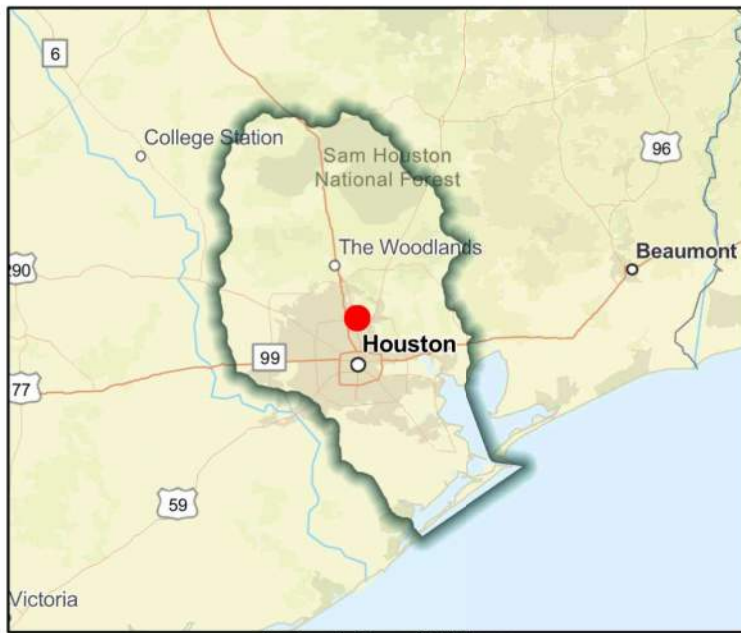
Population at risk 5,085 # of structures 997 Critical facilities 7
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres) 1 Roadway(s) impacted (length) 23
 Number of low water crossings 0 Historical road closures 0

Estimated Cost and Funding Availability

Total Cost \$100,000 Amount of Available Funding - Federal funding availability Yes
 Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Greens Bayou - Planning, Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along P138-01-01

ID# 061000366

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Potential federal funded project, the risk of flooding could be reduced for approximately 100 structures in a pre-Atlas 1% rainfall event.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris Watershed HUC# (if known) 120401040604,120401040603

Drainage area (Square miles, est.) 1 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 74 # of structures 7 Critical facilities 0

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres) - Roadway(s) impacted (length) 0

Number of low water crossings 0 Historical road closures 0

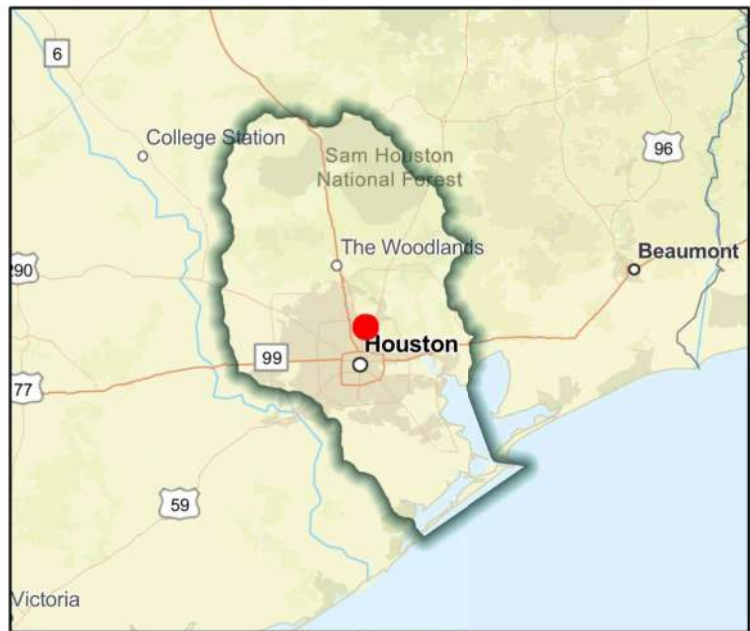
Estimated Cost and Funding Availability

Total Cost \$30,000 Amount of Available Funding - Federal funding availability Yes

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Greens Bayou, Jackson Bayou, White Oak Bayou, Cypress Creek and San Jacinto River Areas Subdivision Drainage Mitigation Project

ID# 061000438

Sponsor (name of entity, not person) Harris (County)

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description This proposed solution recommends establishing positive drainage and clear flow lines, which are expected to reduce the water surface elevation in the subdivision to mitigate the structural flood risk for all 1,445 beneficiaries.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris,Waller,Liberty,Montgomery Watershed HUC# (if known) 120402040300,120402040200,120402040400,120402040100

Drainage area (Square miles, est.) 1,042 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 335,950 # of structures 53,765 Critical facilities 937

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

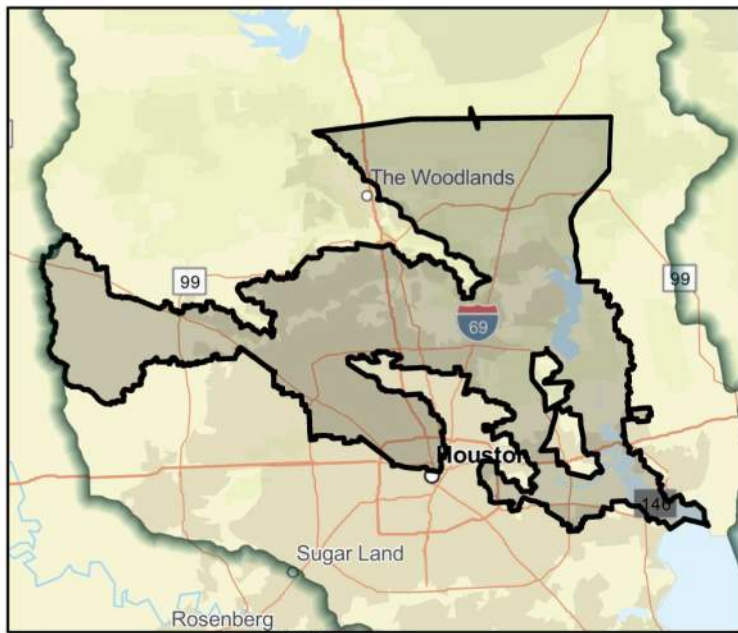
Farm/Ranch land impacted (acres) 2,742 Roadway(s) impacted (length) 1,052

Number of low water crossings 47 Historical road closures 47

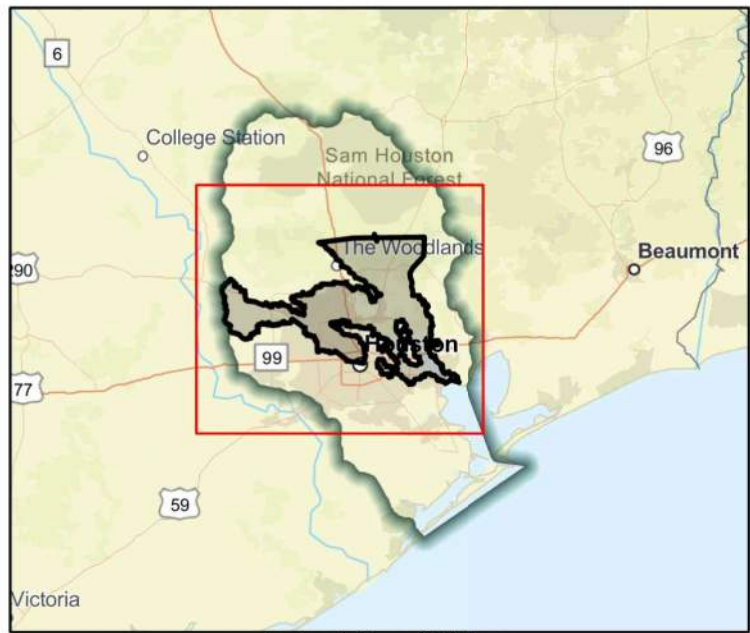
Estimated Cost and Funding Availability

Total Cost \$30,000 Amount of Available Funding - Federal funding availability Yes

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Greens Bayou, White Oak Bayou and Cypress Creek Areas Subdivision Drainage Mitigation Project

ID# 061000439

Sponsor (name of entity, not person) Harris (County)

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description The mitigation solution for Cypress Creek Estates is to install storm sewer systems along West Shadow Lake, East Shadow Lake, North Shadow Lake and Winding Lane, to re-grade the roadside ditches, and to remove and replace of all driveways and culverts.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris,Waller Watershed HUC# (if known) 120402040300,120402040200,120402040400,120402040100

Drainage area (Square miles, est.) 543 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 267,186 # of structures 33,860 Critical facilities 562

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

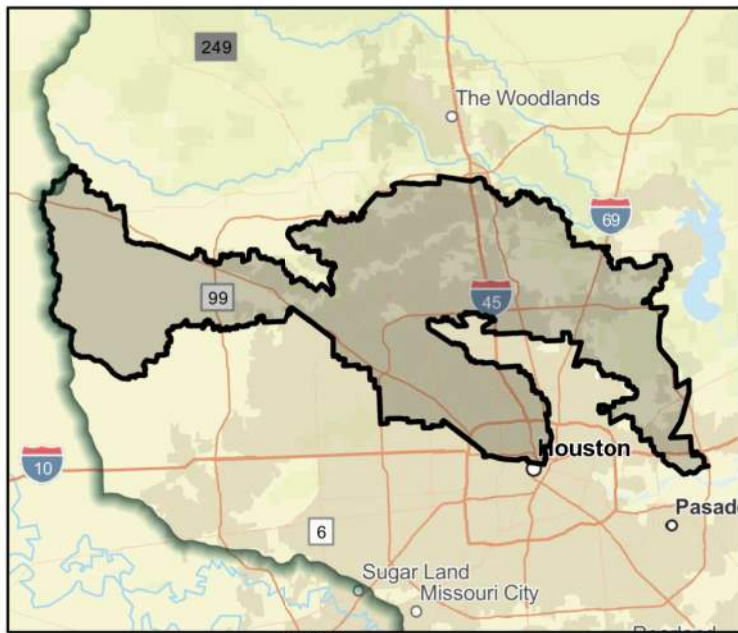
Farm/Ranch land impacted (acres) 1,842 Roadway(s) impacted (length) 601

Number of low water crossings 32 Historical road closures 32

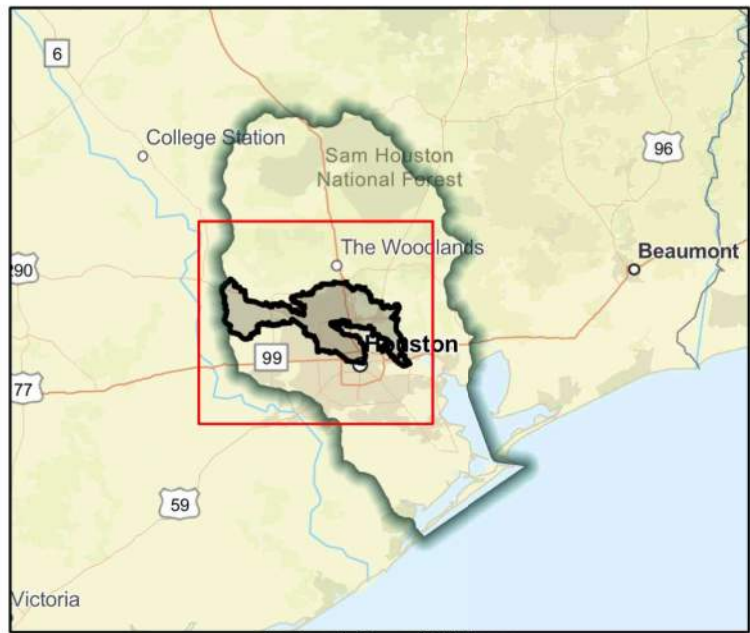
Estimated Cost and Funding Availability

Total Cost \$30,000 Amount of Available Funding - Federal funding availability Yes

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Grimes Flood Mapping Updates**

ID# **061000305**

Sponsor (name of entity, not person) **Grimes (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **County wide study to produce flood mapping updates including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Grimes** Watershed HUC# (if known) **120401010101,120401010301,120401010302,120401010303,120401010**

Drainage area (Square miles, est.) **799** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **120** # of structures **145** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **151** Roadway(s) impacted (length) **11**

Number of low water crossings **1** Historical road closures **1**

Estimated Cost and Funding Availability

Total Cost **\$3,530,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Gum Gully Rd, W Stroker Rd, Wigwam Ln, and Related Infrastructure Drainage Improvements**

ID# **061000028**

Sponsor (name of entity, not person) **Harris (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study as report recommendation (2019) indicates that regional drainage improvements to the streams must be studied and implemented before Harris County can obtain a benefit from roadway drainage improvements.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040704**

Drainage area (Square miles, est.) **1** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **6** # of structures **3** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **0**

Number of low water crossings **-** Historical road closures **-**

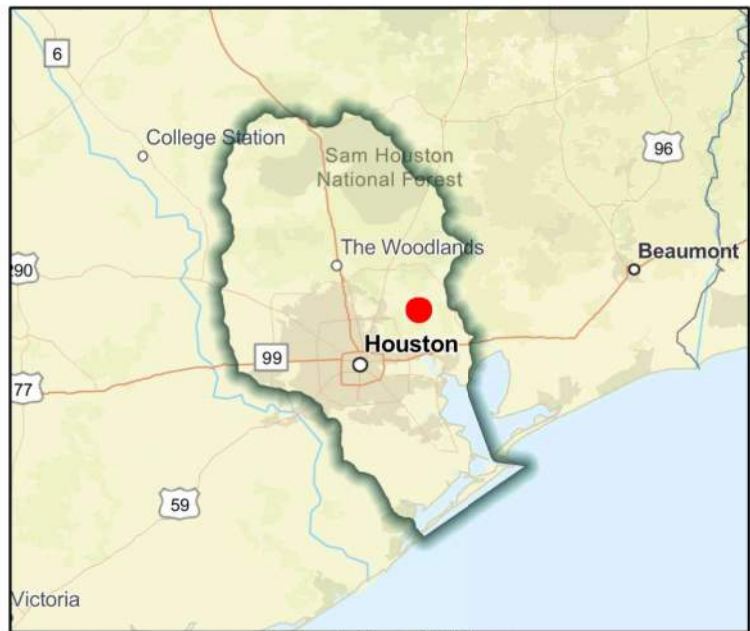
Estimated Cost and Funding Availability

Total Cost **\$130,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Halls Bayou - Design and Construction of a Stormwater Detention Basin in Brock Park**

ID# **061000403**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop BCA to become a FMP. Provides additional stormwater detention in support of flood damage reduction as part of the Halls Ahead Bond Implementation Program. The project will be a partnership with the City of Houston.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040605,120401040601,120401040302,120401040604,120401040**

Drainage area (Square miles, est.) **44** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **43,171** # of structures **12,422** Critical facilities **98**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

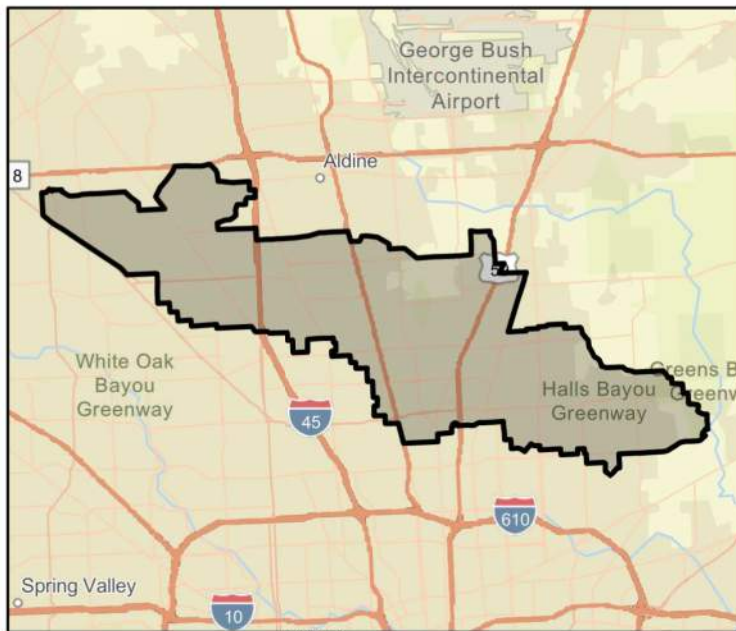
Farm/Ranch land impacted (acres) **10** Roadway(s) impacted (length) **122**

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 **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Halls Bayou - Planning, Right-Of-Way, Design and Construction of Halls Bayou Flood Risk Management Project**

ID# **061000404**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Other**

Study description **Develop BCA to become a FMP. Projects as part of the Halls Ahead Bond Implementation Program, could reduce the risk of flooding for more than 700 structures in an Atlas 14 1% rainfall event.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040605,120401040601,120401040302,120401040604,120401040**

Drainage area (Square miles, est.) **44** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **43,171** # of structures **12,422** Critical facilities **98**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

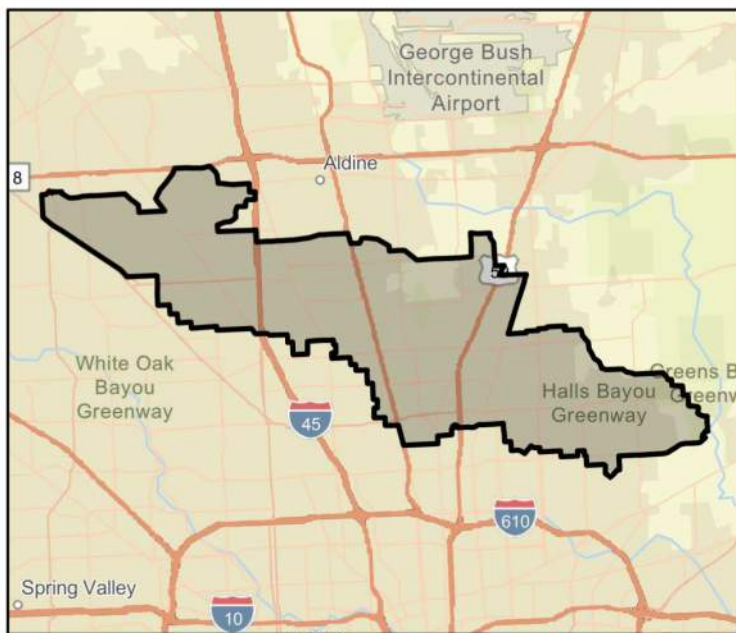
Farm/Ranch land impacted (acres) **10** Roadway(s) impacted (length) **122**

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 **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-08-00**

ID# **061000394**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop BCA to become a FMP. This project could reduce the risk of flooding for over 210 structures and could reduce the 1% rainfall event for over 170 acres as part of the Halls Ahead Bond Implementation Program.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040605,120401040601,120401040302,120401040604,120401040**

Drainage area (Square miles, est.) **7** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **64** # of structures **39** Critical facilities **2**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

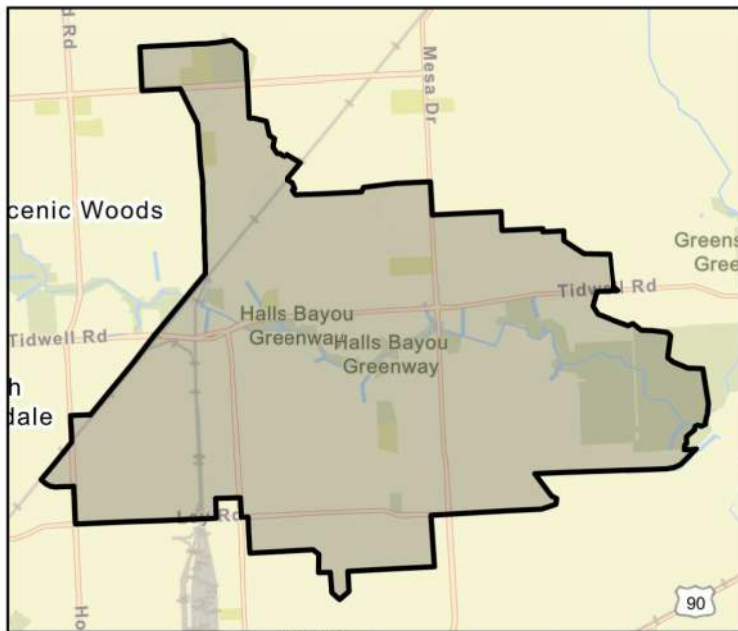
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **1**

Number of low water crossings **0** Historical road closures **0**

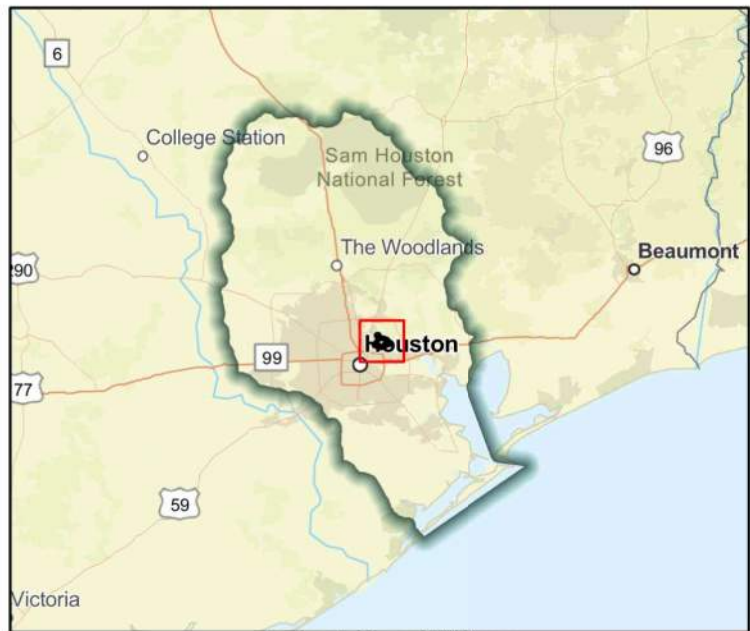
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-09-00**

ID# **061000395**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop BCA to become a FMP. Part of Halls Ahead Bond Implementation Program, could reduce flood risk for 80+ structures, size of the floodplain by 30+ acres & frequency & duration of flooding of up to half a mile of roadway in an Atlas 14 1% event.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040605,120401040601,120401040302,120401040604,120401040**

Drainage area (Square miles, est.) **6** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **446** # of structures **260** Critical facilities **3**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

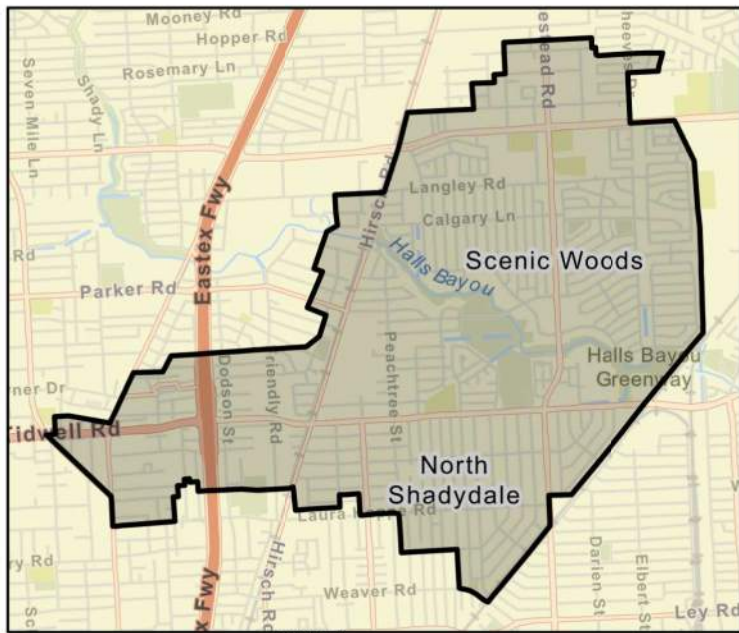
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **4**

Number of low water crossings **0** Historical road closures **0**

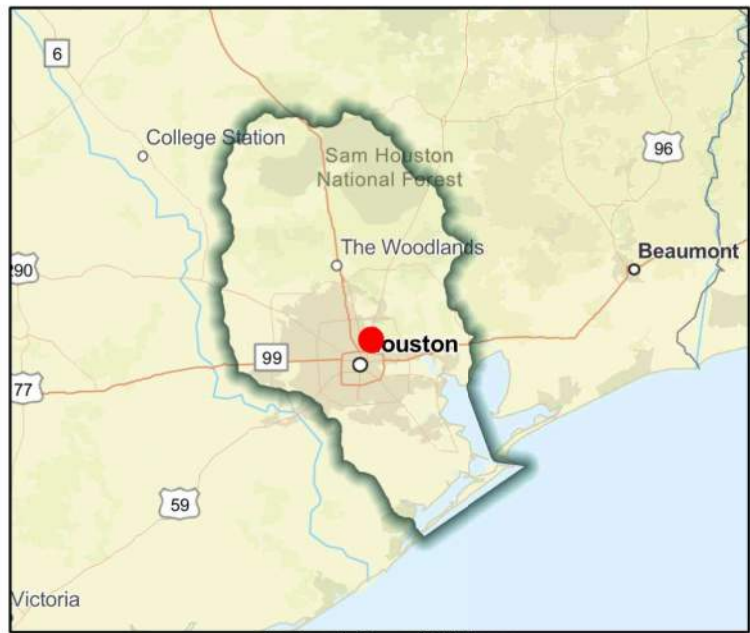
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-21-00

ID# 061000396

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning
 Study description Develop BCA to become a FMP. Part of Halls Ahead Bond Implementation Program, could reduce flood risk for 60+ structures & floodplain by 40+ acres.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes
 County Harris Watershed HUC# (if known) 120401040605,120401040601,120401040302,120401040604,120401040
 Drainage area (Square miles, est.) 6 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

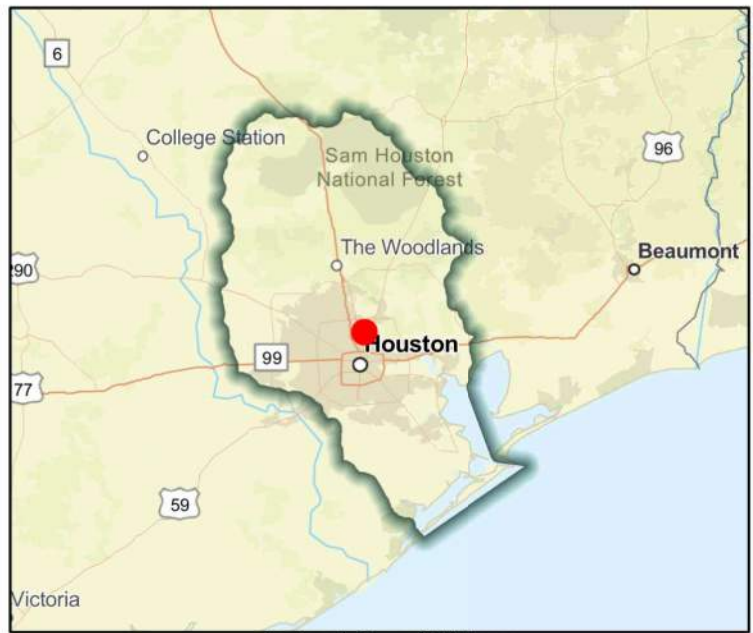
Population at risk 12,360 # of structures 3,555 Critical facilities 35
 Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No
 Farm/Ranch land impacted (acres) 2 Roadway(s) impacted (length) 29
 Number of low water crossings 1 Historical road closures 1

Estimated Cost and Funding Availability

Total Cost \$30,000 Amount of Available Funding - Federal funding availability Yes
 Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02**

ID# **061000397**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a BCR required for this project to become a FMP. Would reduce flood risk for 300+ structures, size of floodplain by 200+ acres. Facilitates future drainage projects by more outfall depth.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040605,120401040601,120401040302,120401040604,120401040**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **5,511** # of structures **1,432** Critical facilities **8**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **10**

Number of low water crossings **1** Historical road closures **1**

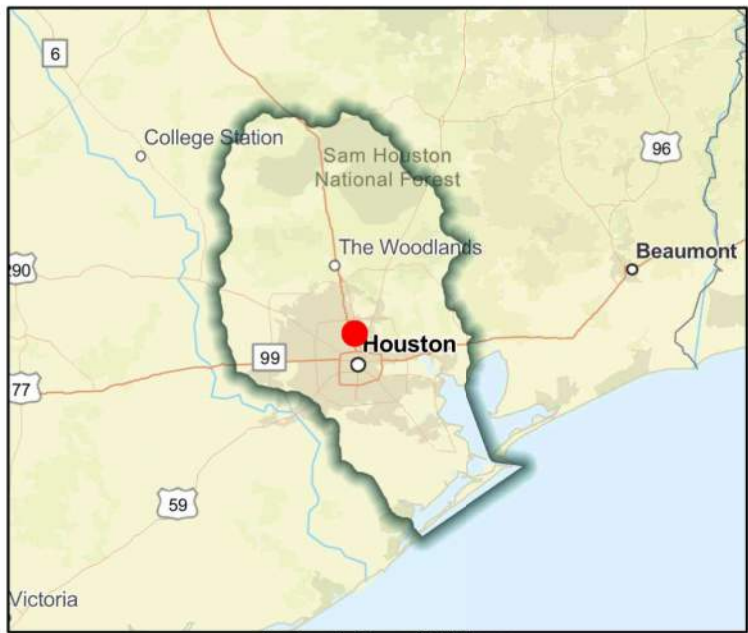
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01**

ID# **061000399**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a BCR required for this project to become a FMP. Would reduce flood risk for 600+ structures. Facilitates future drainage projects by more outfall depth.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040605,120401040601,120401040302,120401040604,120401040**

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? **Yes** Playa? **No** Other? **No**

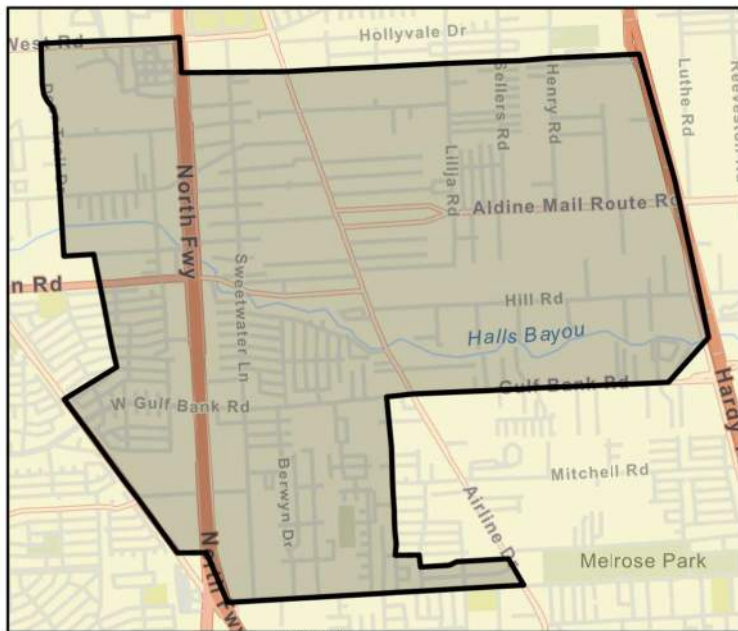
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **32**

Number of low water crossings **1** Historical road closures **1**

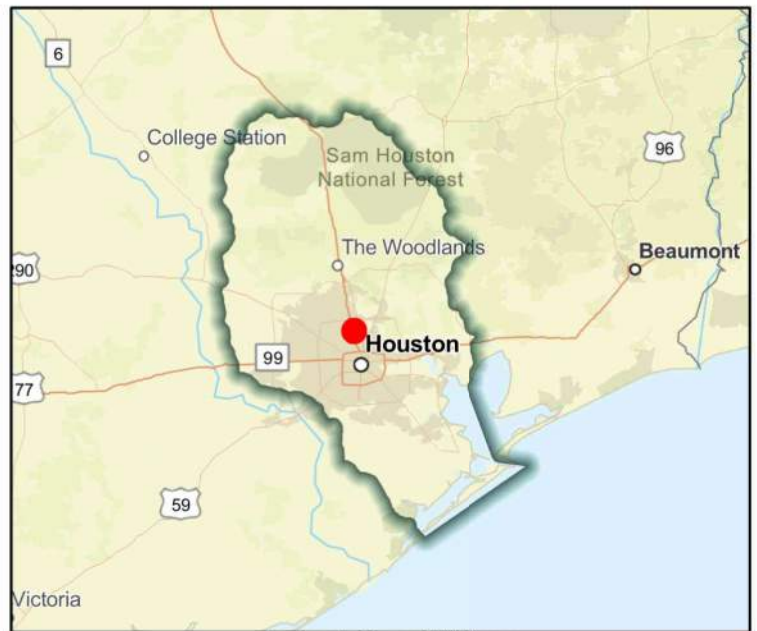
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00**

ID# **061000400**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop BCA to become a FMP. Part of Halls Ahead Bond Implementation Program, could reduce flood risk for 150+ structures, size of the floodplain by 90+ acres, frequency & duration of flooding along 3+ miles of roadway in an Atlas 14 1% event.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040605,120401040601,120401040302,120401040604,120401040**

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? **Yes** Playa? **No** Other? **No**

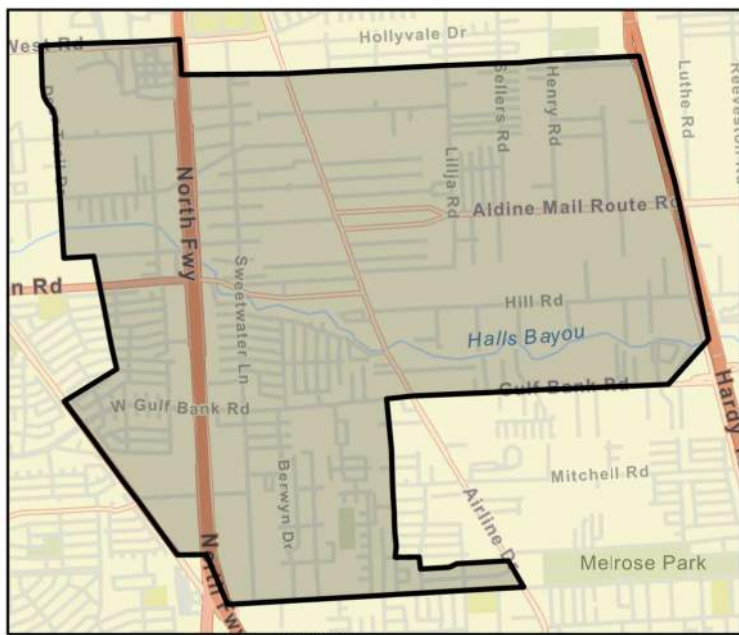
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **32**

Number of low water crossings **1** Historical road closures **1**

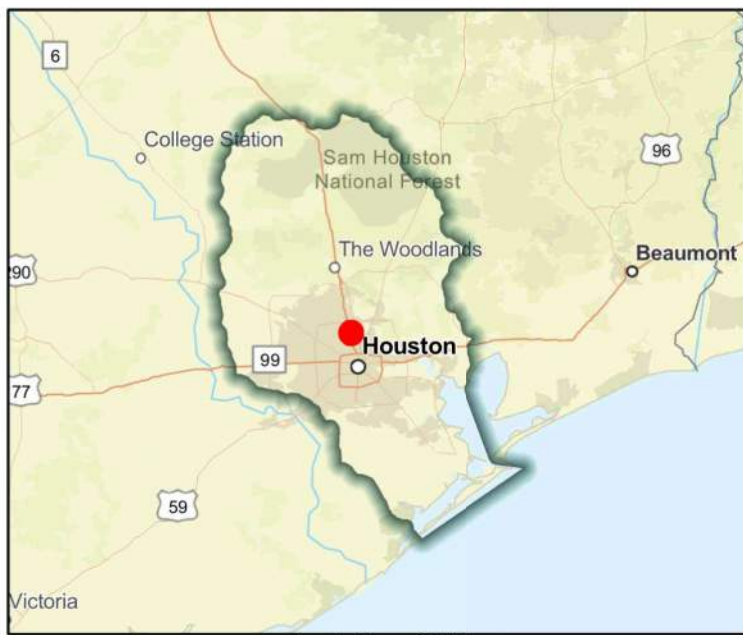
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Halls Bayou Drainage Project Bond C-01**

ID# **061000355**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040605,120401040601,120401040302,120401040604,120401040**

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? **No** Coastal? **No** Local? **No** Playa? **No** Other? **Yes**

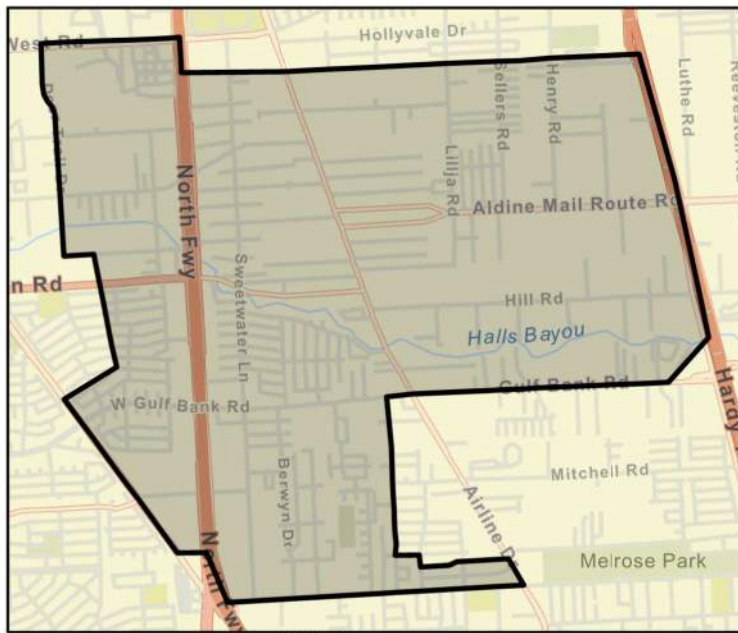
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **32**

Number of low water crossings **1** Historical road closures **1**

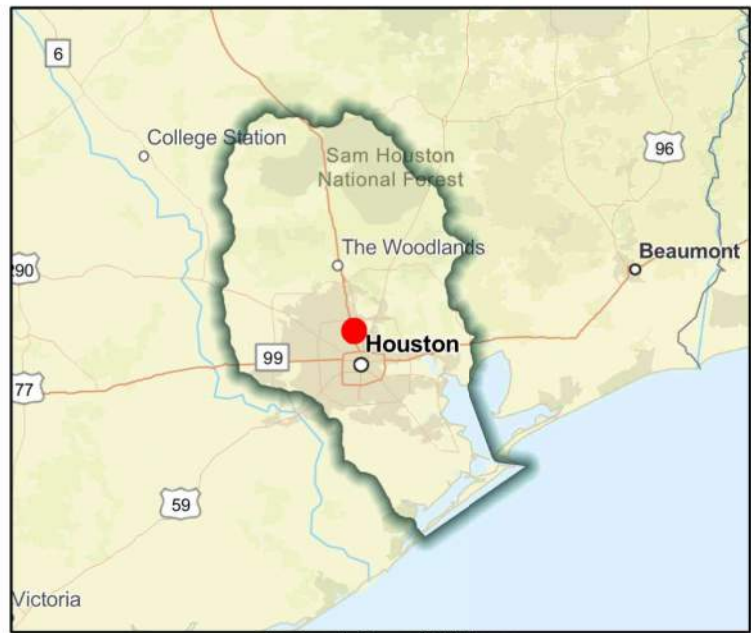
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Halls Bayou Drainage Project Bond C-26 & C-27**

ID# **061000354**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040605,120401040601,120401040302,120401040604,120401040**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **5,511** # of structures **1,432** Critical facilities **8**

Flood risk type: Riverine? **No** Coastal? **No** Local? **No** Playa? **No** Other? **Yes**

Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **10**

Number of low water crossings **1** Historical road closures **1**

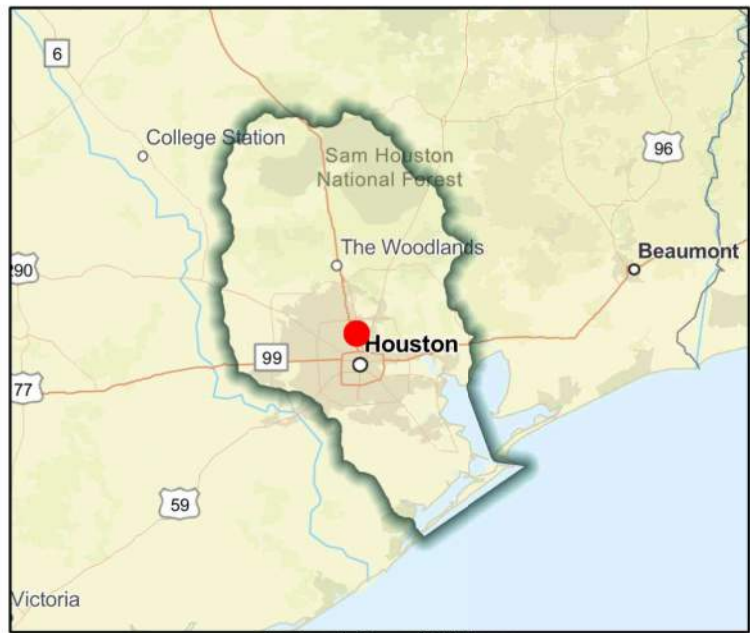
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Harris County Wide - Investigation of City of Houston Properties for Conversion to Stormwater Detention Basins**

ID# **061000197**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study for design and construction of stormwater detention basins on various City of Houston properties could reduce the risk of flooding in the area.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401020104,120401020106,120401040601,120401040305,120401040**

Drainage area (Square miles, est.) **1,771** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **976,798** # of structures **143,642** Critical facilities **2,332**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

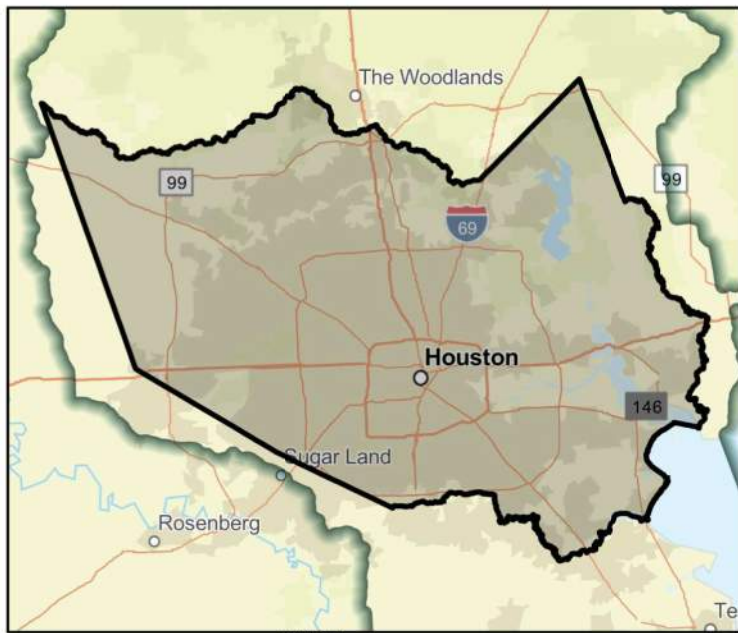
Farm/Ranch land impacted (acres) **5,993** Roadway(s) impacted (length) **2,408**

Number of low water crossings **89** Historical road closures **89**

Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Hickory Slough (Upper Segment)**

ID# **061000057**

Sponsor (name of entity, not person) **Pearland (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Brazoria** Watershed HUC# (if known) **120402040100**

Drainage area (Square miles, est.) **5** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **1,269** # of structures **413** Critical facilities **4**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

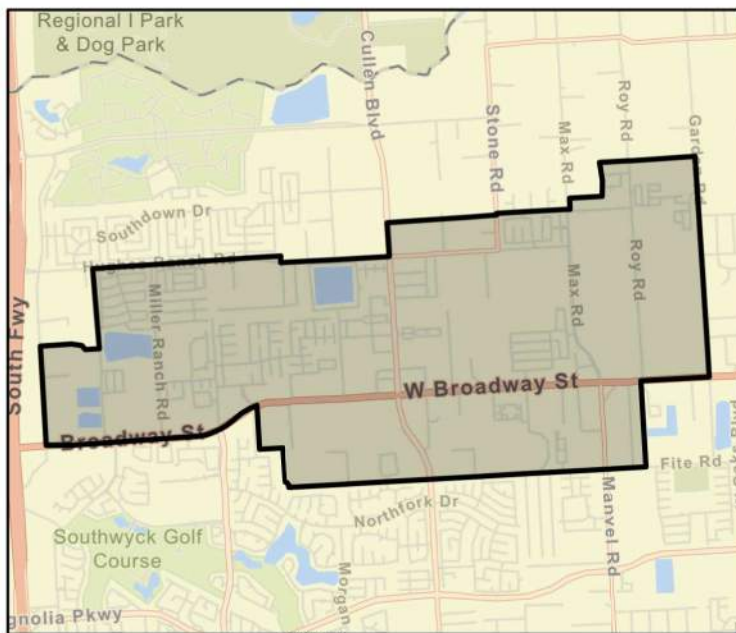
Farm/Ranch land impacted (acres) **6** Roadway(s) impacted (length) **2**

Number of low water crossings **0** Historical road closures **0**

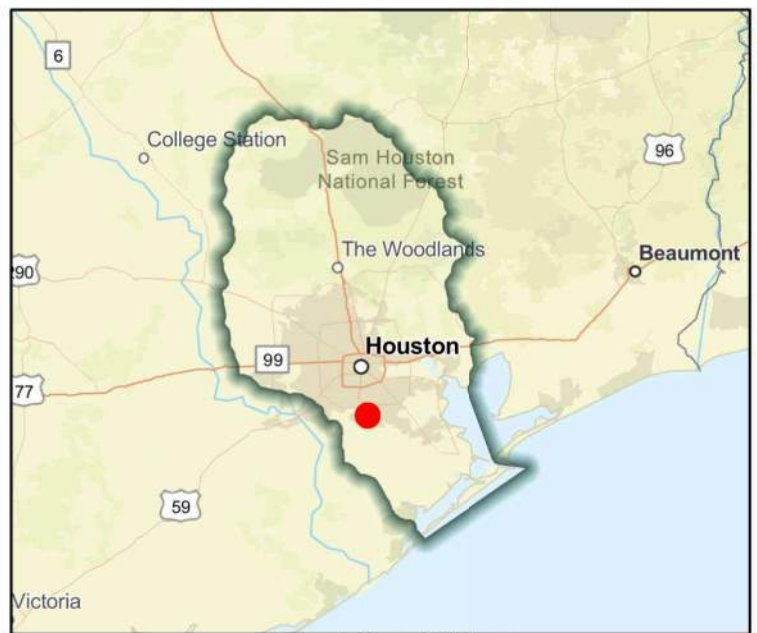
Estimated Cost and Funding Availability

Total Cost **\$1,136,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **Other**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Hickory Slough Lower Segment**

ID# **061000065**

Sponsor (name of entity, not person) **Pearland (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Brazoria** Watershed HUC# (if known) **120402040100**

Drainage area (Square miles, est.) **1** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **1,648** # of structures **424** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

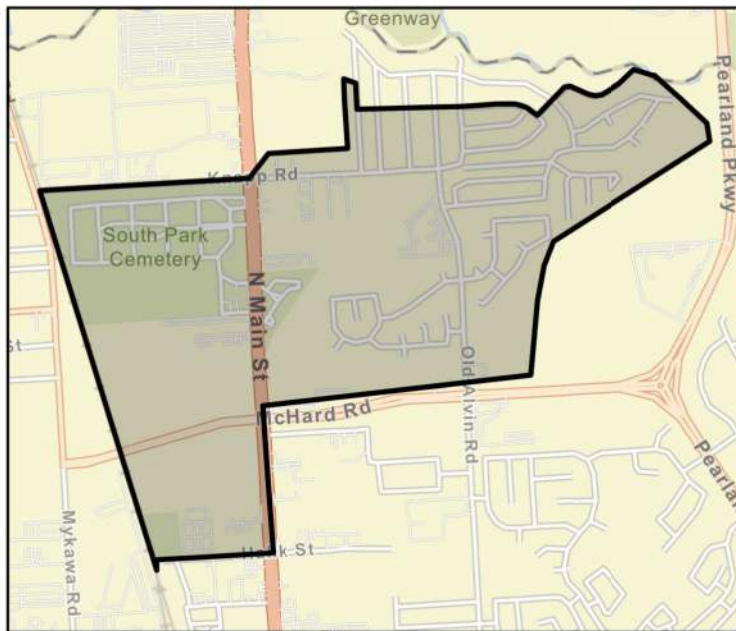
Farm/Ranch land impacted (acres) **5** Roadway(s) impacted (length) **6**

Number of low water crossings **0** Historical road closures **0**

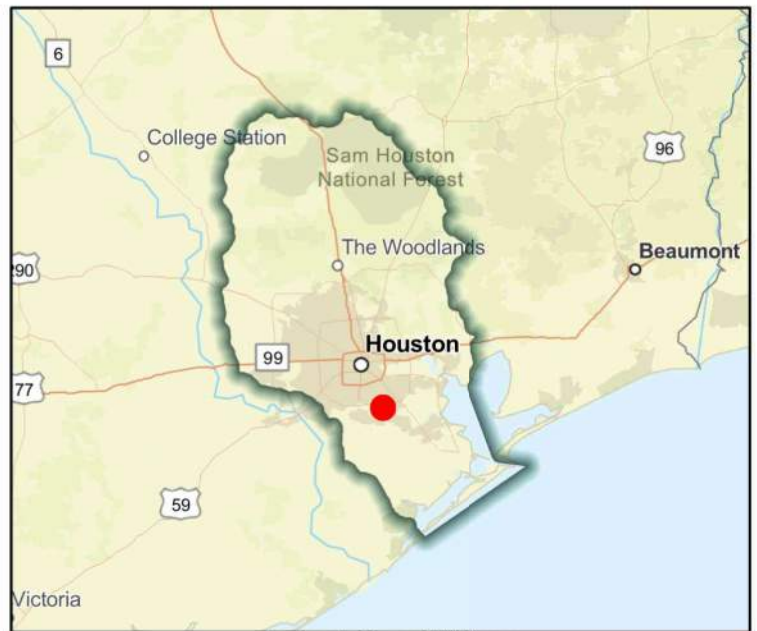
Estimated Cost and Funding Availability

Total Cost **\$1,048,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **Other**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Hickory Slough Middle Segment**

ID# **061000060**

Sponsor (name of entity, not person) **Pearland (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Brazoria** Watershed HUC# (if known) **120402040100**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **1,596** # of structures **353** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

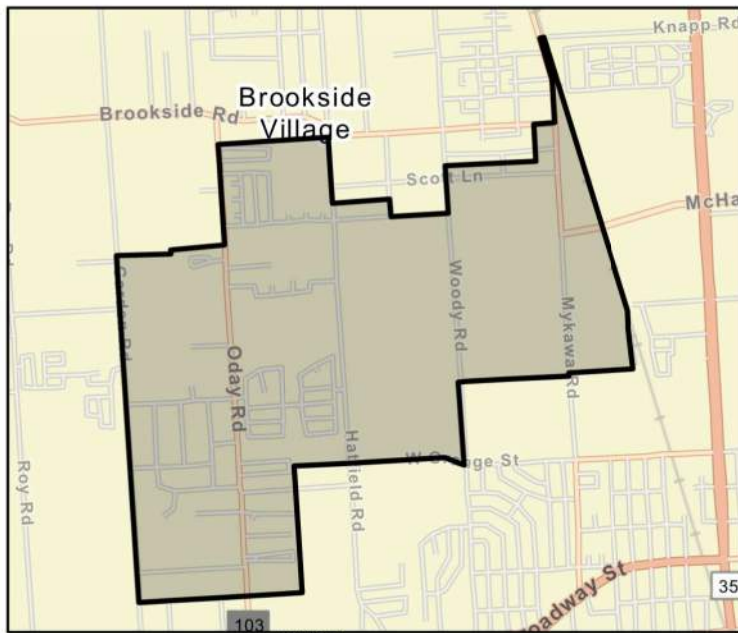
Farm/Ranch land impacted (acres) **8** Roadway(s) impacted (length) **4**

Number of low water crossings **0** Historical road closures **0**

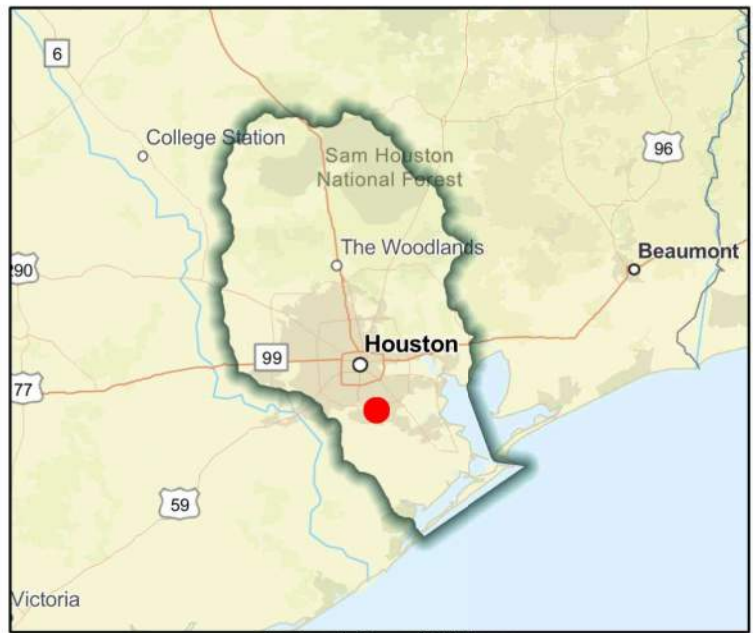
Estimated Cost and Funding Availability

Total Cost **\$864,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **Other**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Highland Terrace Drainage**

ID# **061000103**

Sponsor (name of entity, not person) **League City (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of slope paving a portion of the drainage ditch north of FM 518, with probable wetland mitigation and lowering pavement section of Highland Terrace Drive.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Galveston,Harris** Watershed HUC# (if known) **120402040200,120402040100**

Drainage area (Square miles, est.) **53** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **20,978** # of structures **5,251** Critical facilities **25**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **1,308** Roadway(s) impacted (length) **105**

Number of low water crossings **2** Historical road closures **2**

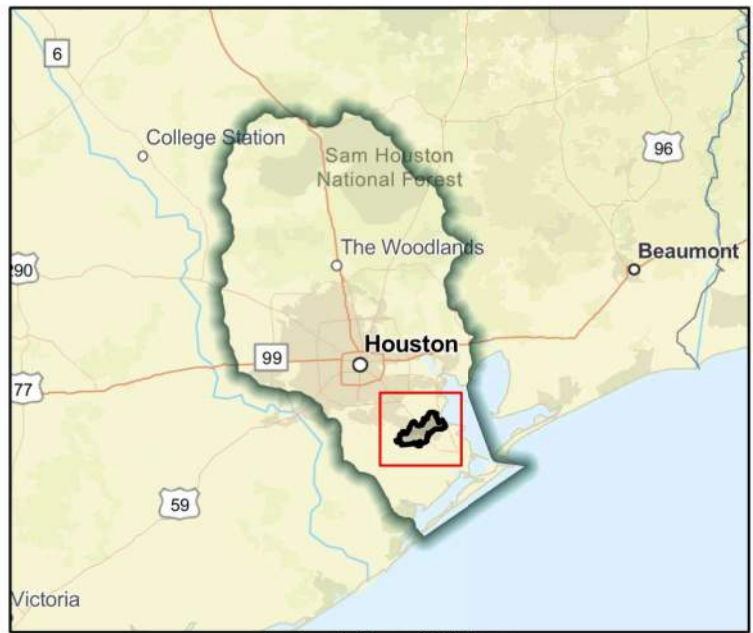
Estimated Cost and Funding Availability

Total Cost **\$190,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Hostetter and Gourd Creek Bridges Elevation Evaluation**

ID# **061000130**

Sponsor (name of entity, not person) **Walker (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study to elevate and install culverts on Hostetter and Gourd Creek roadways to prevent flooding and/or flood damage on roadway.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Montgomery,San Jacinto,Walker** Watershed HUC# (if known) **120401010202,120401010204,120401030101,120401030301,120401030**

Drainage area (Square miles, est.) **76** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **1,900** # of structures **1,169** Critical facilities **0**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

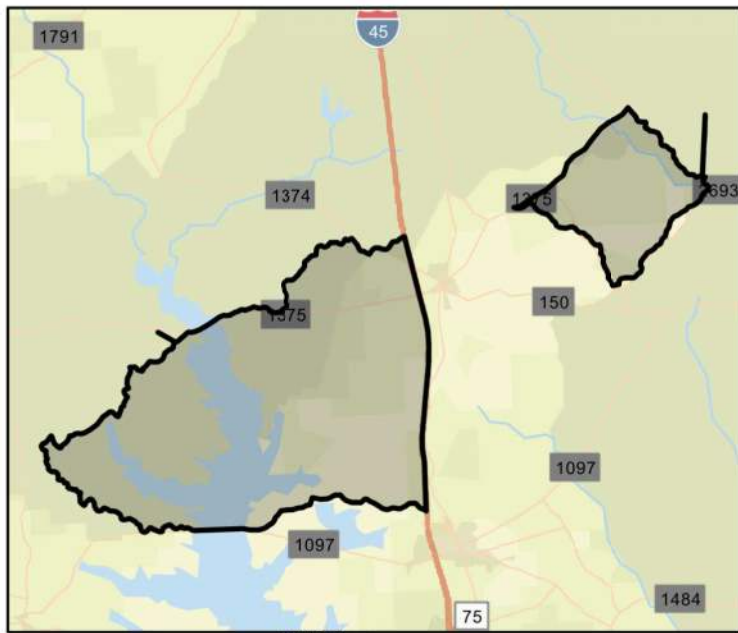
Farm/Ranch land impacted (acres) **25** Roadway(s) impacted (length) **10**

Number of low water crossings **2** Historical road closures **2**

Estimated Cost and Funding Availability

Total Cost **\$130,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Houston Braeburn Glen Area Flood Mitigation**

ID# **061000384**

Sponsor (name of entity, not person) **Houston (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of a proposed project that includes upsizing of the existing stormwater system with new pipes, inlets, and manholes. Lateral improvement will be completed on Mahoning Drive and Valley View Lane.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Fort Bend,Harris** Watershed HUC# (if known) **120401040401**

Drainage area (Square miles, est.) **96** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **267,993** # of structures **32,129** Critical facilities **448**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

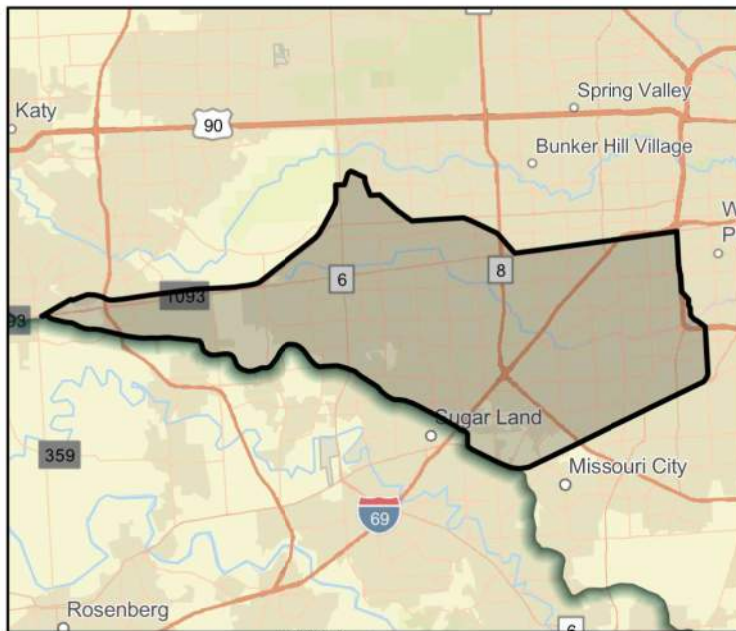
Farm/Ranch land impacted (acres) **42** Roadway(s) impacted (length) **412**

Number of low water crossings **1** Historical road closures **1**

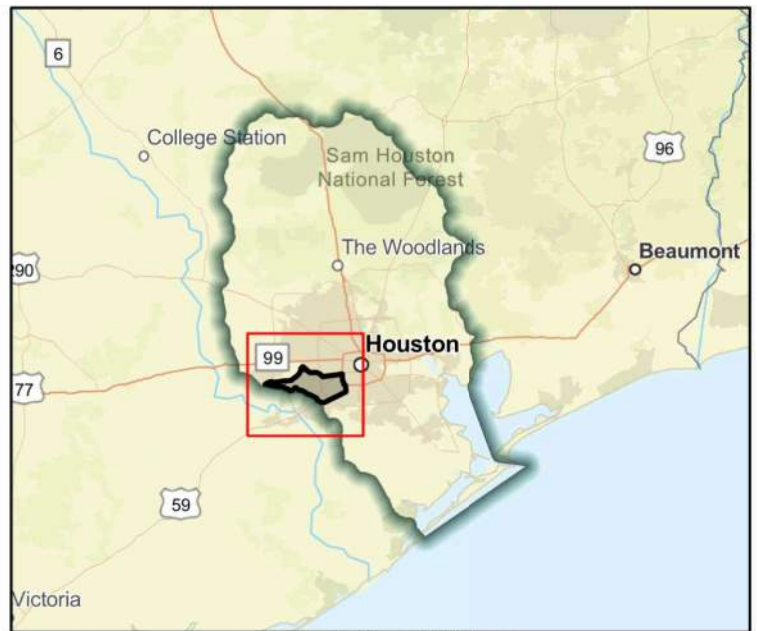
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Houston Huntington Village Area Flood Mitigation**

ID# **061000419**

Sponsor (name of entity, not person) **Houston (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study to develop this project into a FMP. The project includes storm sewer improvements in the Huntington Village neighborhood to reduce structural flood loss.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Fort Bend,Harris** Watershed HUC# (if known) **120401040401**

Drainage area (Square miles, est.) **96** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **267,993** # of structures **32,129** Critical facilities **448**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

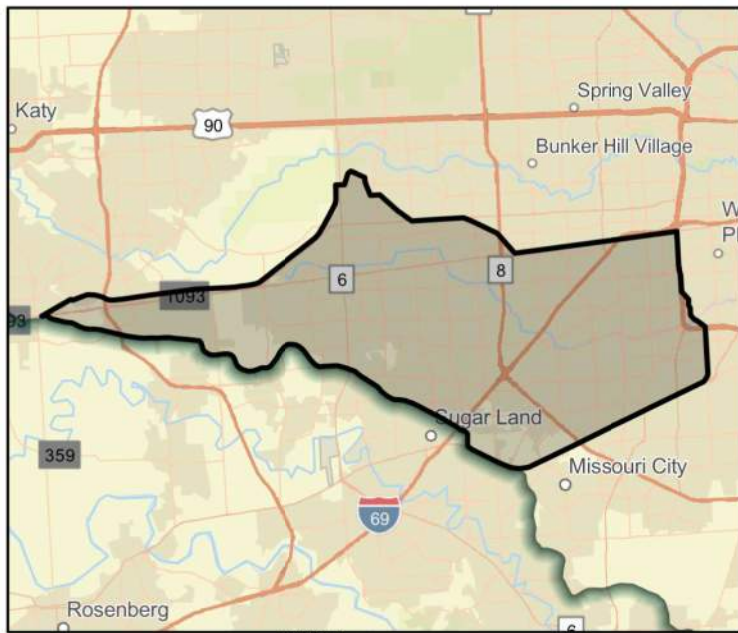
Farm/Ranch land impacted (acres) **42** Roadway(s) impacted (length) **412**

Number of low water crossings **1** Historical road closures **1**

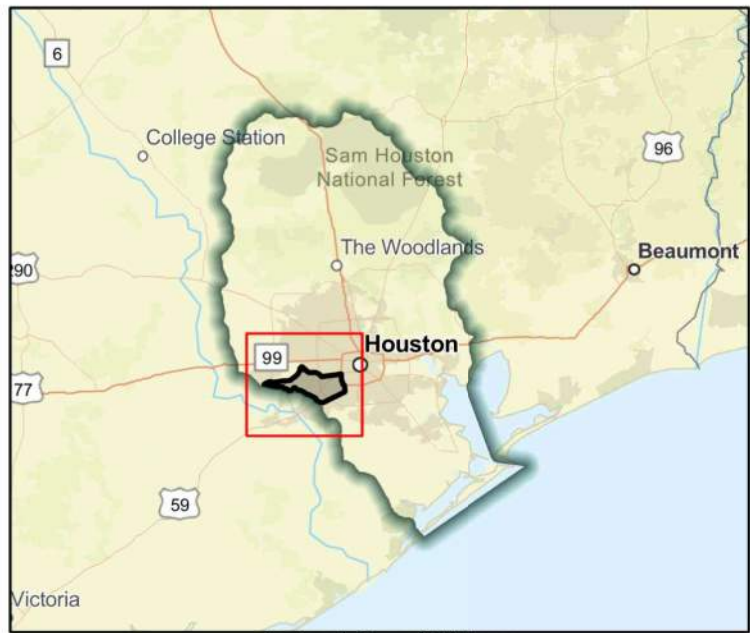
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Hunnington - Stewarts Creek Watershed**

ID# **061000456**

Sponsor (name of entity, not person) **Conroe (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Montgomery** Watershed HUC# (if known) **120401010207,120401010403,120401010401,120401010402,120401010**

Drainage area (Square miles, est.) **20** 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? **Yes** 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**

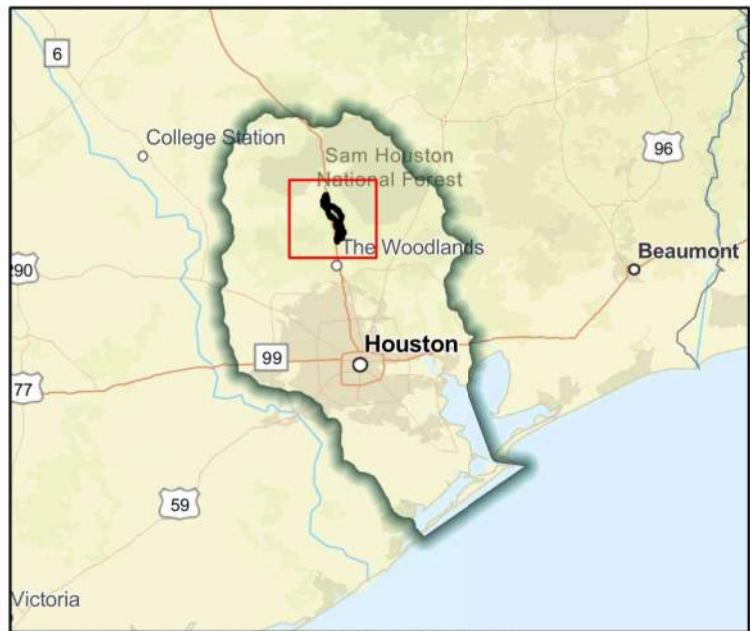
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Hunting Bayou Wallisville Outfall (H103-00-00) - Denver Harbor**

ID# **061000406**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Denver Harbor drainage system improvements.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040606,120401040701**

Drainage area (Square miles, est.) **5** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **10,304** # of structures **396** Critical facilities **1**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

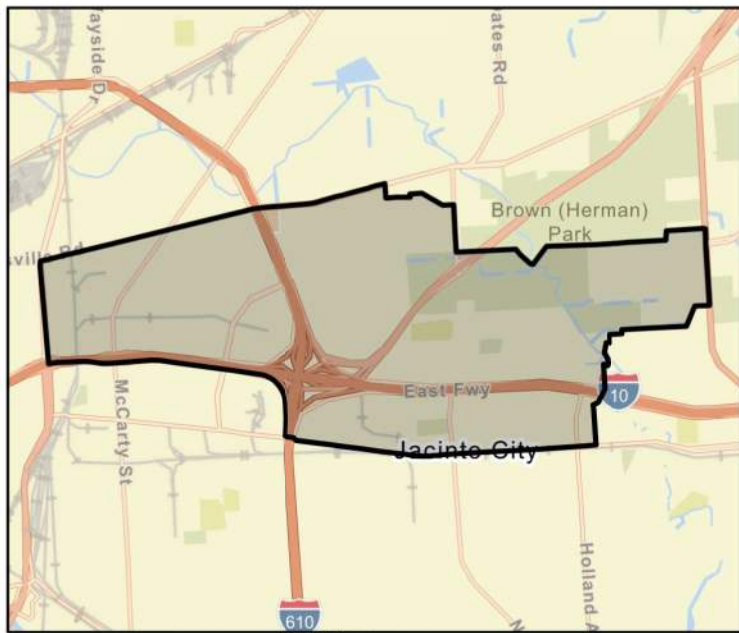
Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **13**

Number of low water crossings **2** Historical road closures **2**

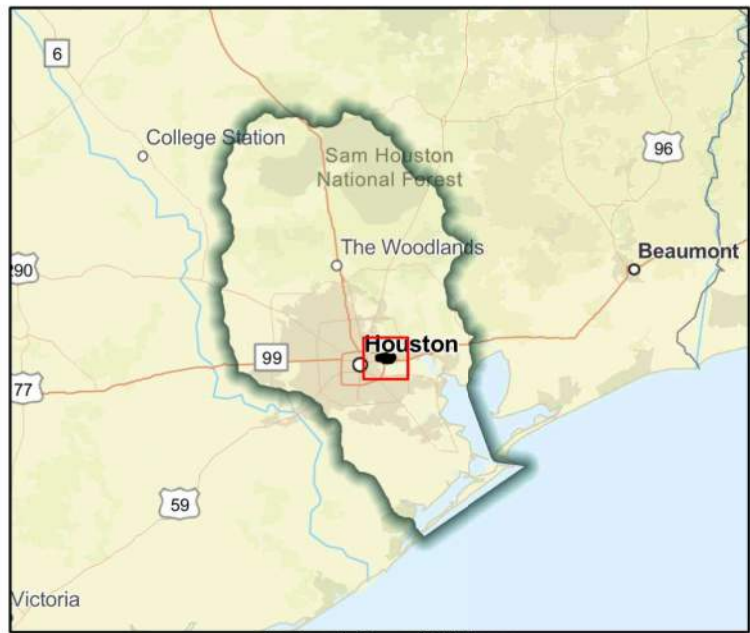
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Hunting Bayou Wallisville Outfall (H103-00-00) - Gellhorn Drive**

ID# **061000405**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Diversion channel expansion for Gellhorn Drive flood reductions.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040606,120401040701**

Drainage area (Square miles, est.) **5** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **10,304** # of structures **396** Critical facilities **1**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

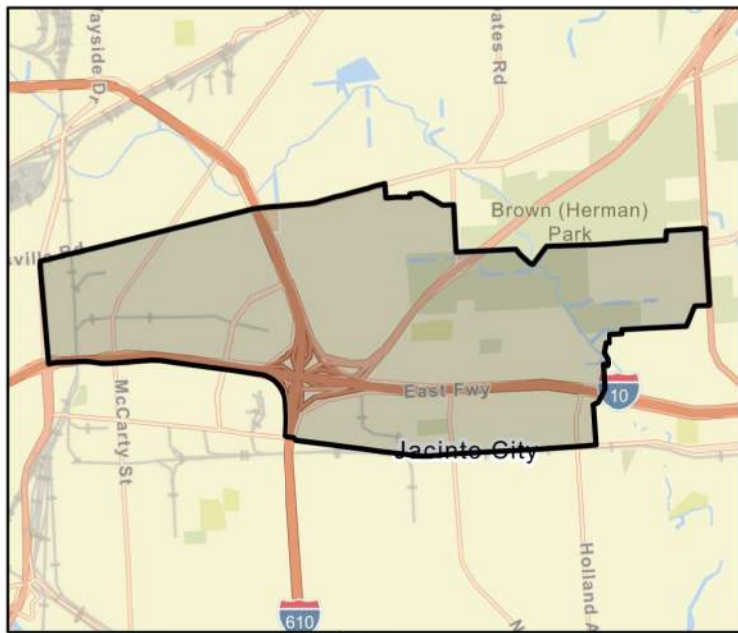
Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **13**

Number of low water crossings **2** Historical road closures **2**

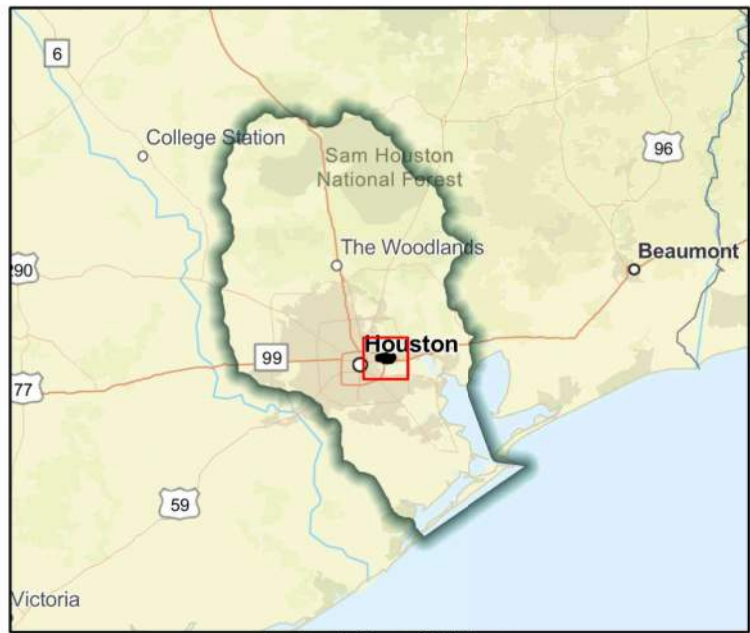
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Hunting Bayou Watershed Study**

ID# **061000182**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Watershed wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **Yes** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040703,120401040604,120401040606,120401040304,120401040**

Drainage area (Square miles, est.) **31** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **34,523** # of structures **6,244** Critical facilities **98**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

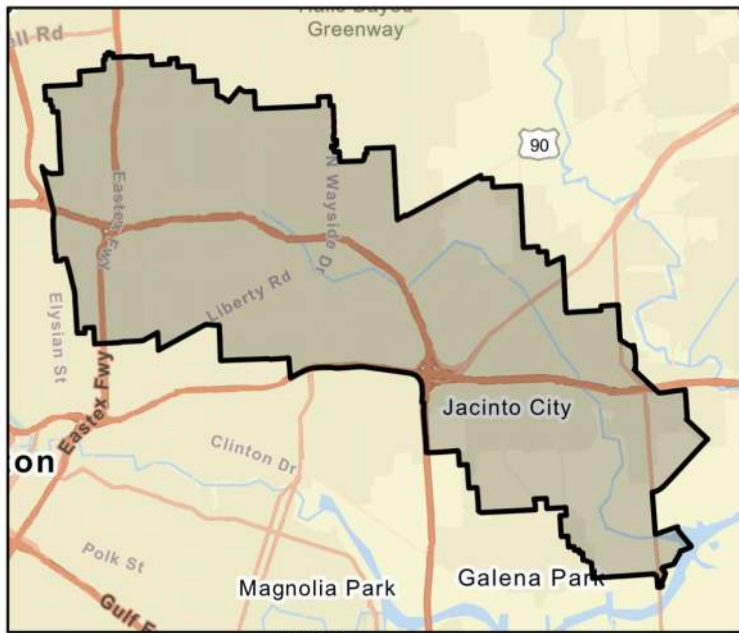
Farm/Ranch land impacted (acres) **21** Roadway(s) impacted (length) **102**

Number of low water crossings **6** Historical road closures **6**

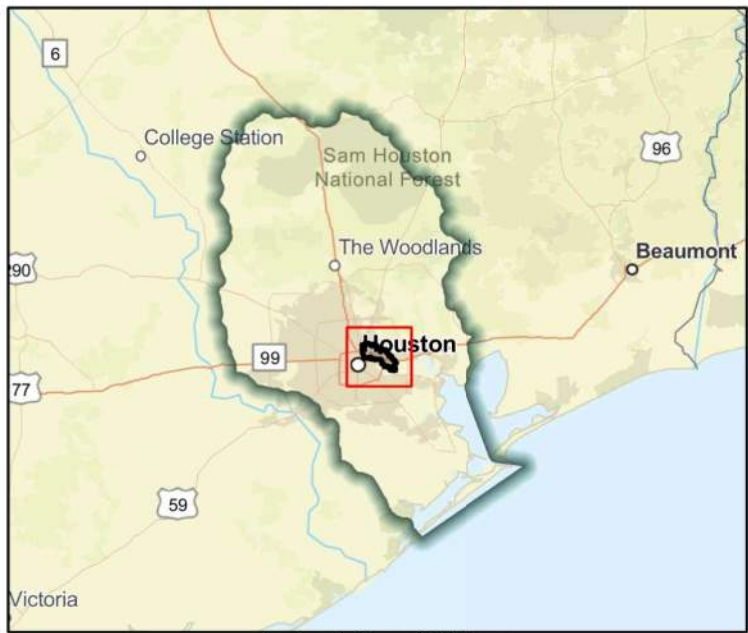
Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **I100-WP01 Vince Bayou Watershed Planning Project Recommendation**

ID# **061000326**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a BCR required for this project to become a FMP. Alt-6 Detention basin and channel widening near Strawberry road on left bank of Vince Bayou.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040703,120402040100**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **3,202** # of structures **766** Critical facilities **5**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

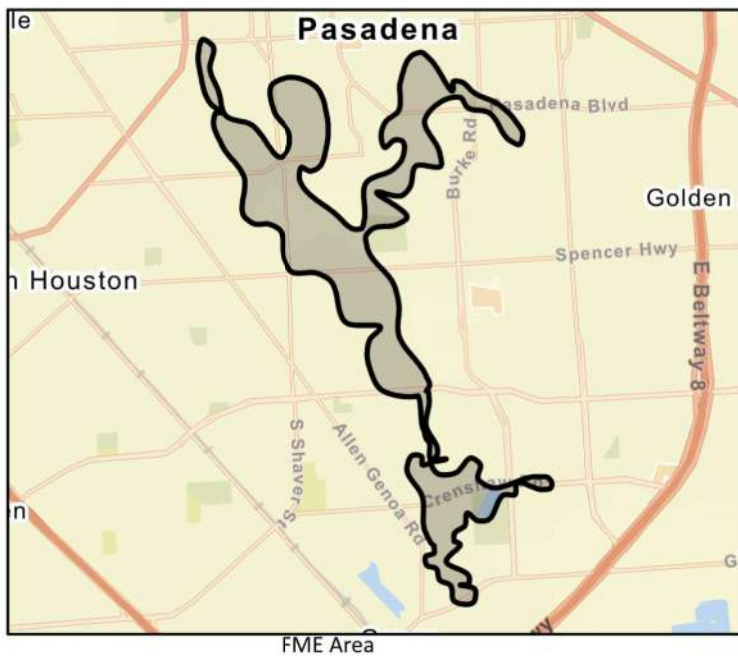
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **8**

Number of low water crossings **0** Historical road closures **0**

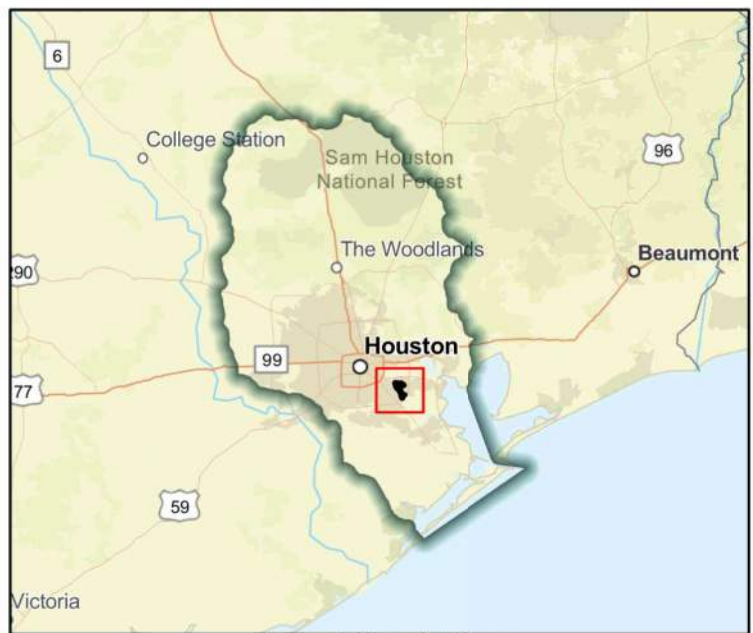
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **I100-WP06 for Vince Bayou Watershed Planning Project**

ID# **061000329**

Sponsor (name of entity, not person) **Harris (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Right-of-way acquisition, design, and construction of a stormwater detention basin and schannel widening near Strawberry Road and Young Street.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040703,120401040502,120402040100**

Drainage area (Square miles, est.) **4** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **4,153** # of structures **948** Critical facilities **8**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

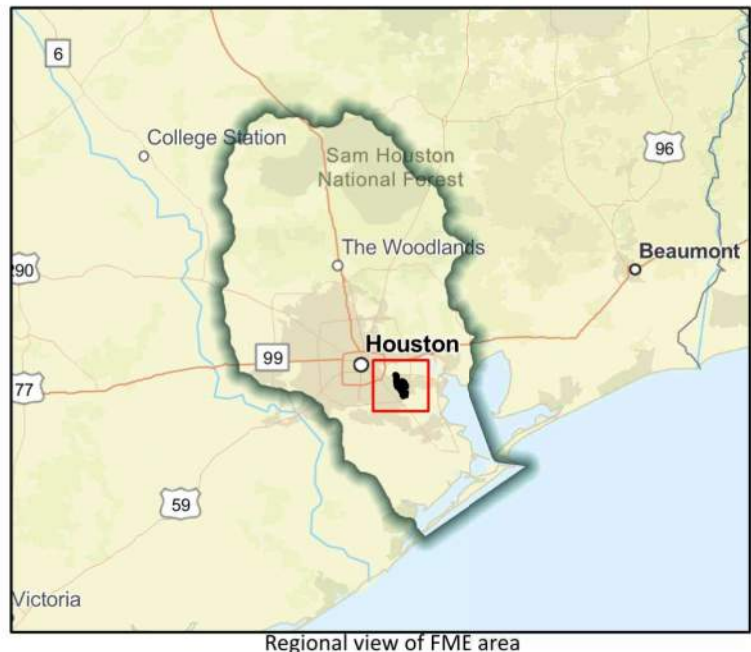
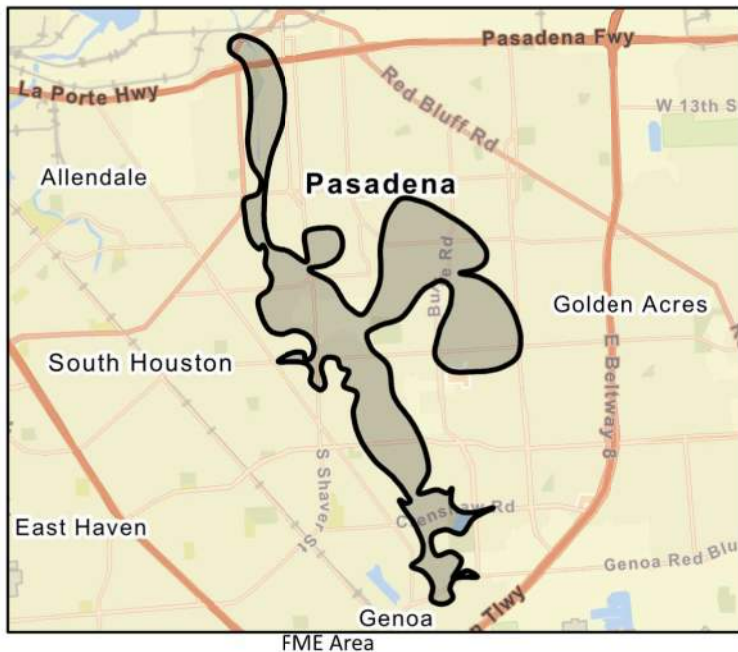
Farm/Ranch land impacted (acres) **2** Roadway(s) impacted (length) **14**

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 **Yes**

Funding source **-**



Flood Management Evaluation (FME)



Title **I100-WP07 for Vince Bayou Watershed Planning Project**

ID# **061000331**

Sponsor (name of entity, not person) **Harris (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a BCR needed for this project to become a FMP. Pasadena (CIP) Street Lowering (Various). Right-of-way acquisition, Design, and Construction of Stormwaters Detention Basin and construction of Culverts near Pasadena Blvd..**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040703,120401040502,120402040100**

Drainage area (Square miles, est.) **4** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **4,153** # of structures **948** Critical facilities **8**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

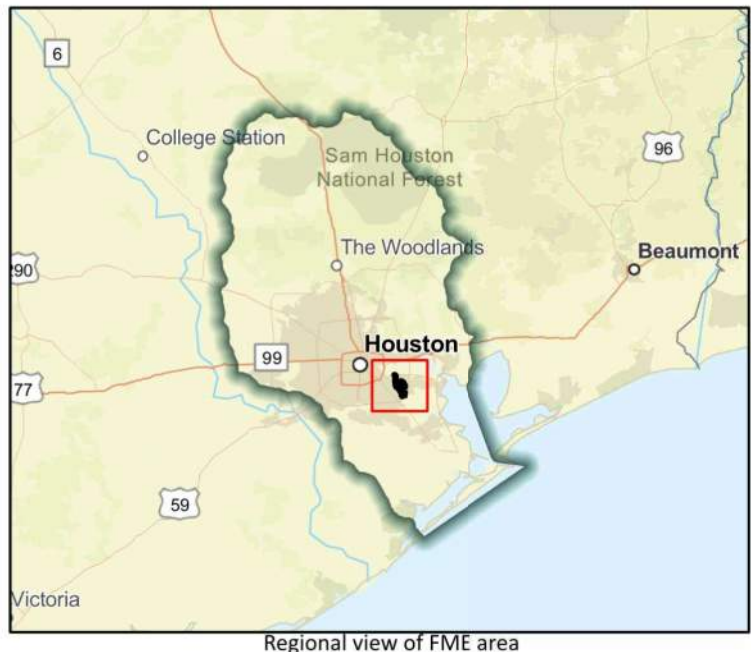
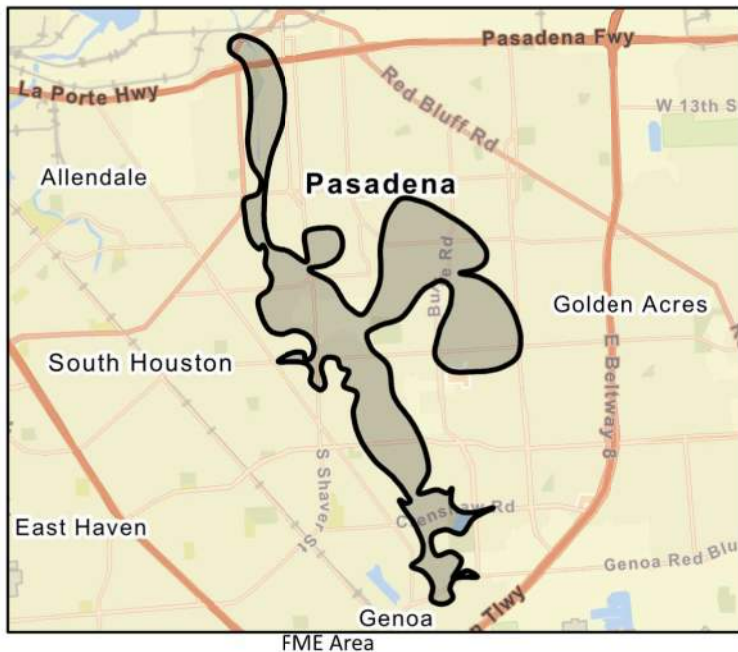
Farm/Ranch land impacted (acres) **2** Roadway(s) impacted (length) **14**

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 **Yes**

Funding source **-**



Flood Management Evaluation (FME)



Title **I100-WP10 for Vince Bayou Watershed Planning Project**

ID# **061000330**

Sponsor (name of entity, not person) **Harris (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Right-of-way acquisition, Design, and Construction of Two Stormwater Detention Basins near Westside Dr. and Westside. Ct.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040703,120401040502,120402040100**

Drainage area (Square miles, est.) **4** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **4,153** # of structures **948** Critical facilities **8**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

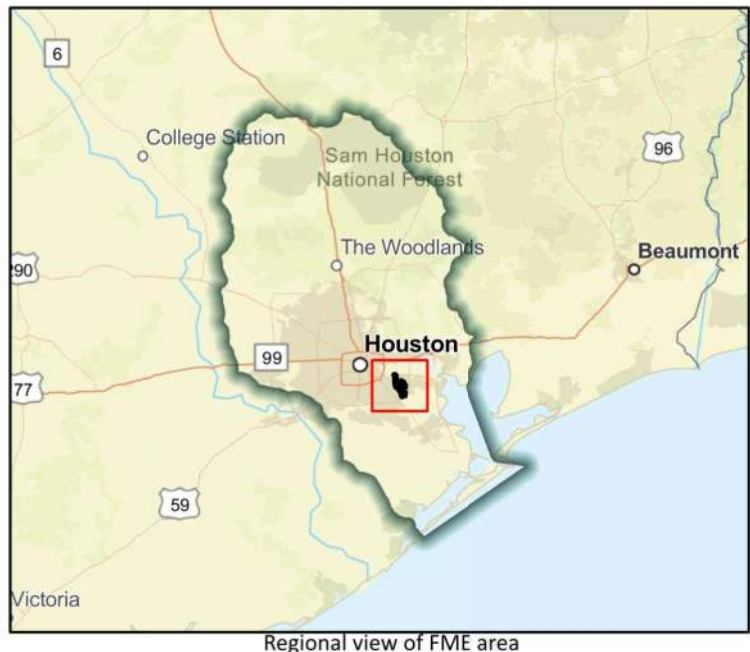
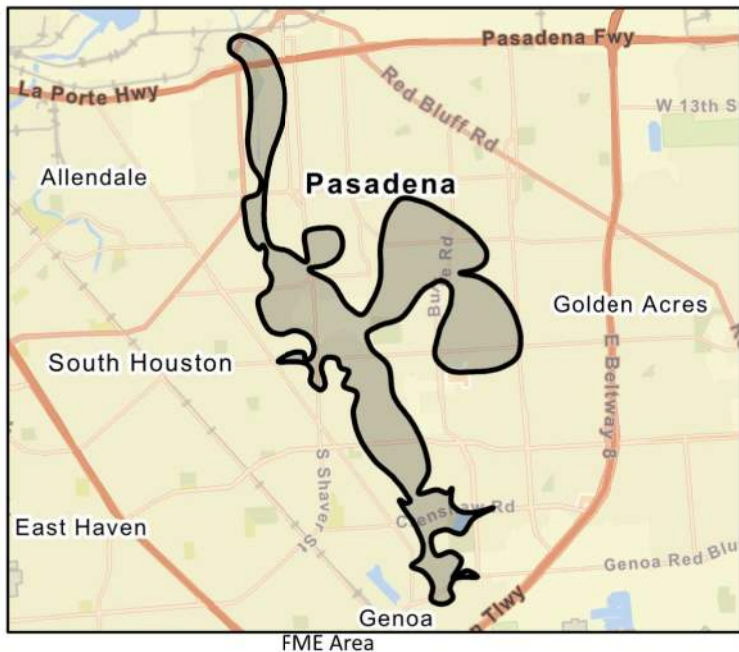
Farm/Ranch land impacted (acres) **2** Roadway(s) impacted (length) **14**

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 **Yes**

Funding source **-**



Flood Management Evaluation (FME)



Title **I100-WP11 for Vince Bayou Watershed Planning Project**

ID# **061000332**

Sponsor (name of entity, not person) **Harris (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Right-of-way acquisition, Design, and Construction of Stormwater Detention Basins near Spencer Hwy. and Tulip Street.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040703,120401040502,120402040100**

Drainage area (Square miles, est.) **4** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **4,153** # of structures **948** Critical facilities **8**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

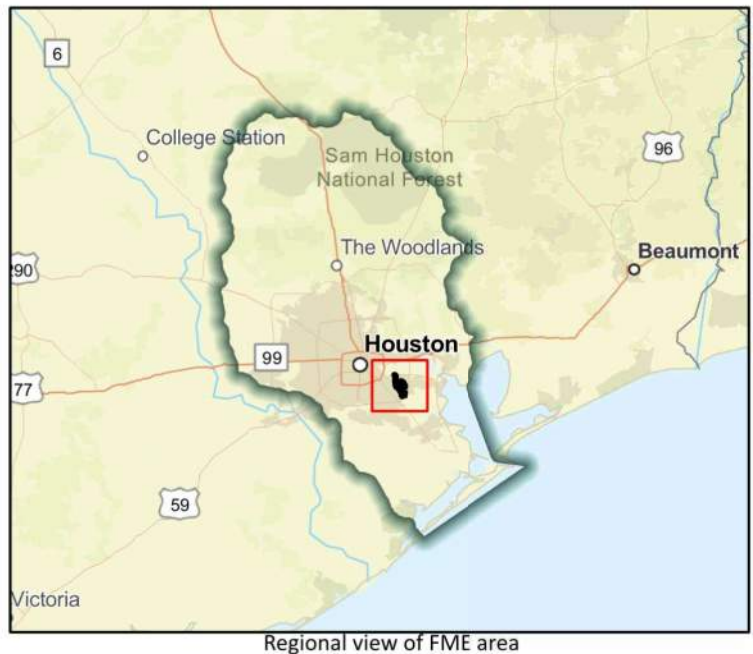
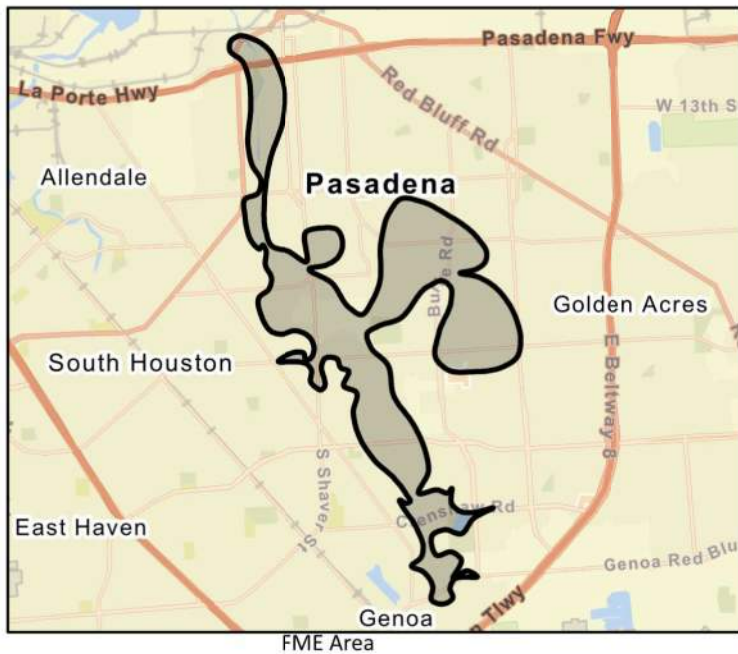
Farm/Ranch land impacted (acres) **2** Roadway(s) impacted (length) **14**

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 **Yes**

Funding source **-**



Flood Management Evaluation (FME)



Title **Implement Drainage Improvements in City of La Marque**

ID# **061000147**

Sponsor (name of entity, not person) **La Marque (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Implement drainage projects that support low maintenance and cleaning of drainage ditches.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Galveston** Watershed HUC# (if known) **120402040200**

Drainage area (Square miles, est.) **14** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **1,612** # of structures **829** Critical facilities **8**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

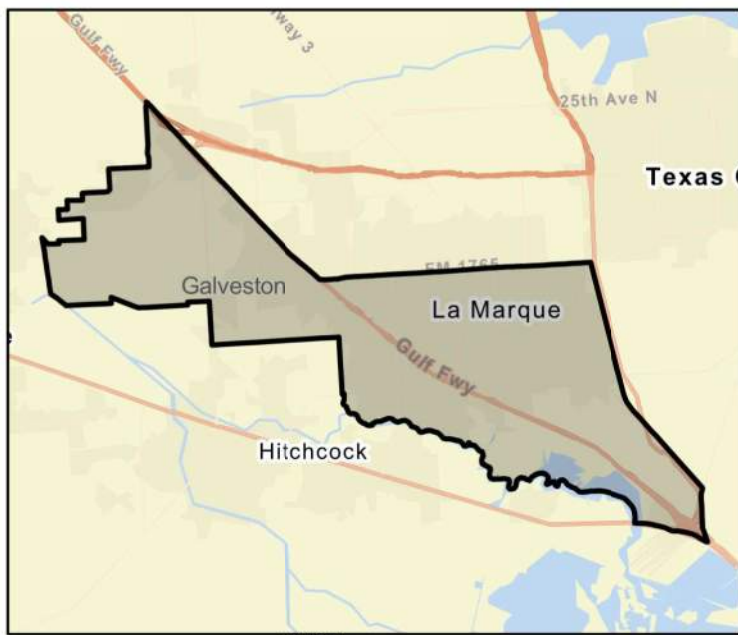
Farm/Ranch land impacted (acres) **38** Roadway(s) impacted (length) **31**

Number of low water crossings **1** Historical road closures **1**

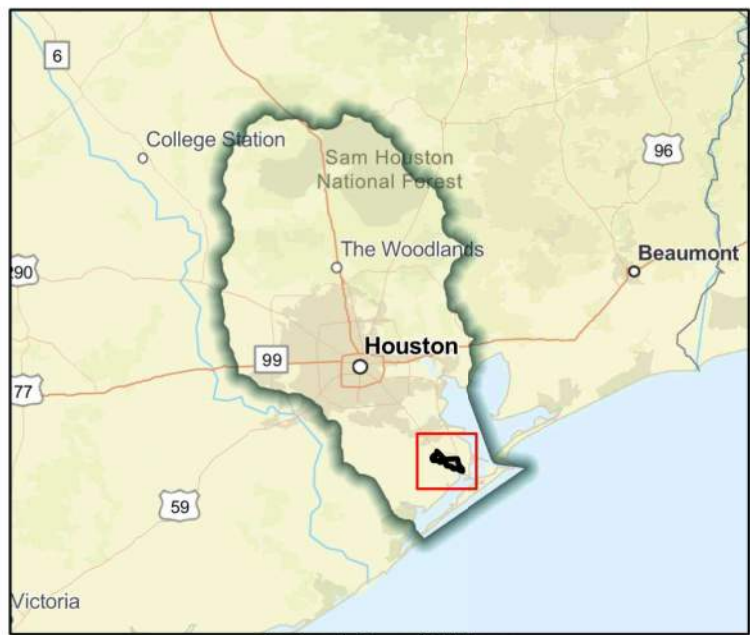
Estimated Cost and Funding Availability

Total Cost **\$360,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Implementation Study of Storm Sewer System Re-engineering in City of Kemah**

ID# **061000131**

Sponsor (name of entity, not person) **Kemah (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study of storm sewer system re-engineering and follow-up construction project to mitigate flood related impacts.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Galveston,Chambers** Watershed HUC# (if known) **120402040200,120402040100**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **3,492** # of structures **562** Critical facilities **7**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

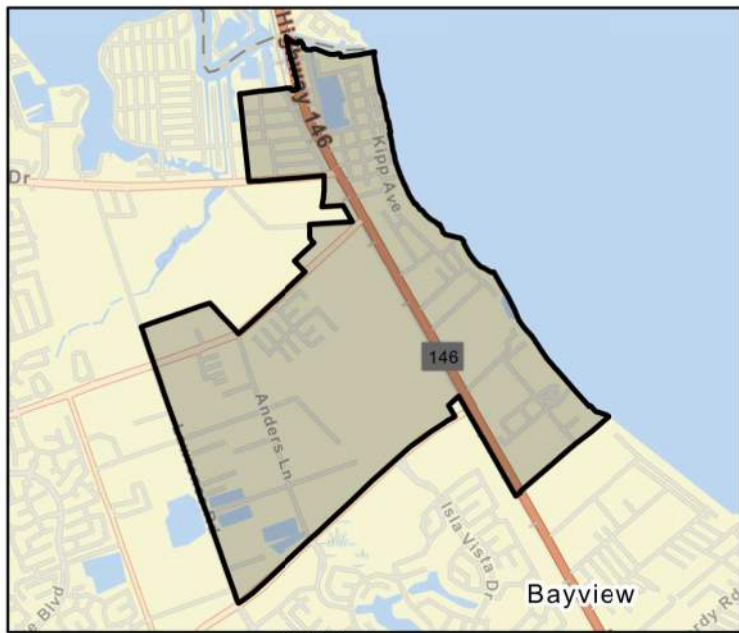
Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **12**

Number of low water crossings **-** Historical road closures **-**

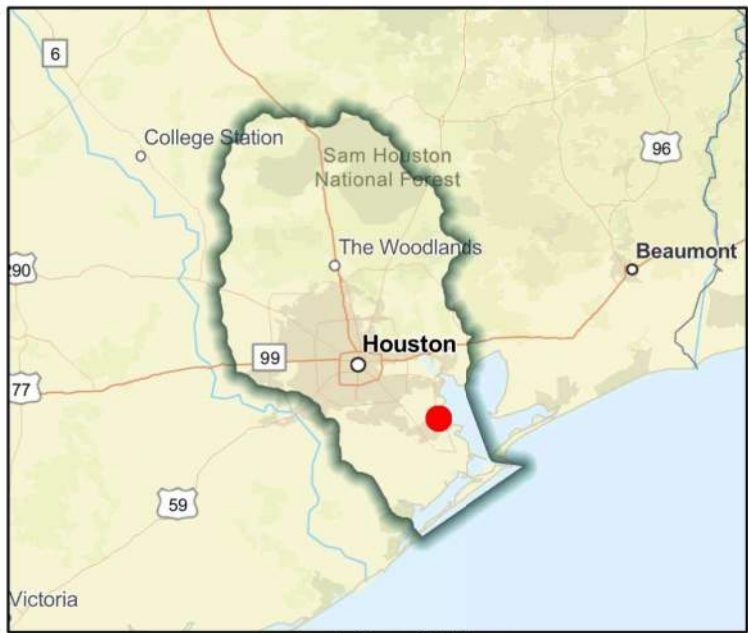
Estimated Cost and Funding Availability

Total Cost **\$190,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Jackson Bayou Watershed Planning Project- Immediate: First Street Crossing Mitigation

ID# 061000322

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Develop BCA to become a FMP. Priority ranking #1, 0.5 mile upstream along Jackson Bayou identified to fulfill mitigation efforts. Culvert upsizing recommended at First Street. Improvements produced need or 32.4 acre-feet of detention.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris Watershed HUC# (if known) 120401040704

Drainage area (Square miles, est.) 1 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 598 # of structures 111 Critical facilities 8

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

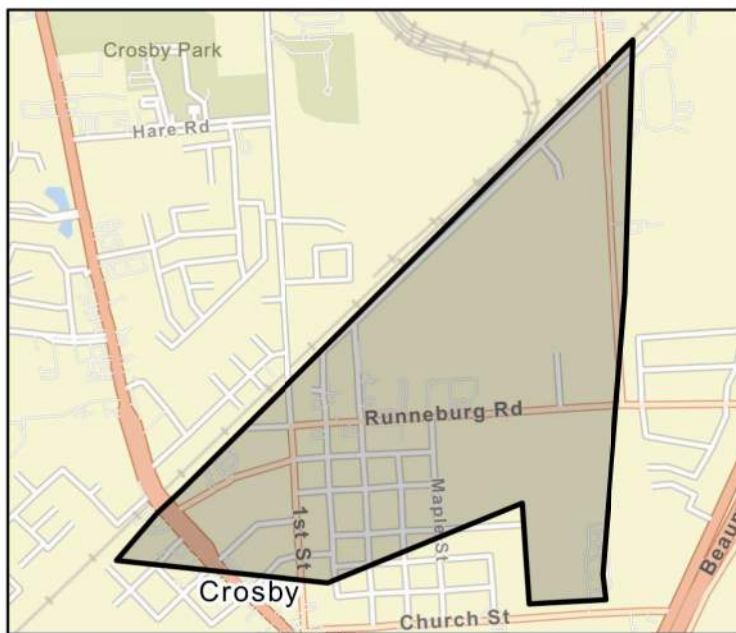
Farm/Ranch land impacted (acres) 2 Roadway(s) impacted (length) 1

Number of low water crossings 0 Historical road closures 0

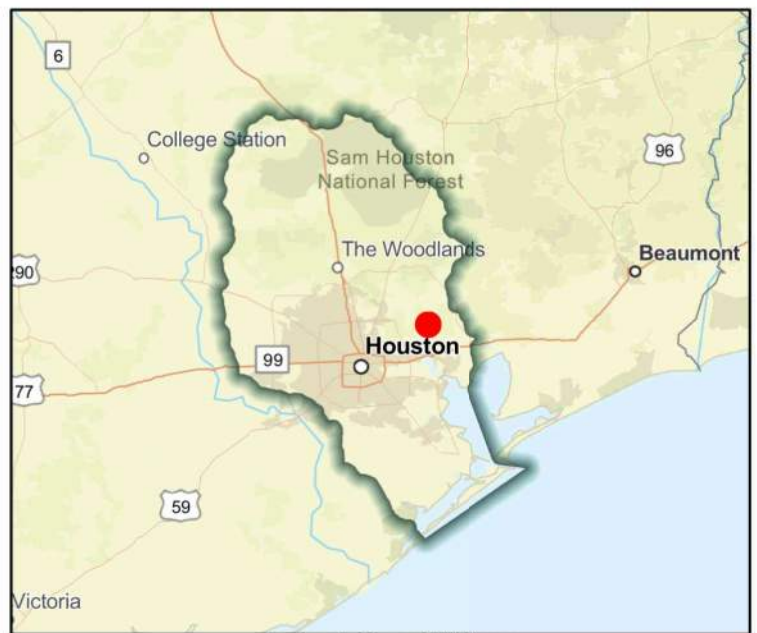
Estimated Cost and Funding Availability

Total Cost \$30,000 Amount of Available Funding - Federal funding availability Yes

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Emergency Need? Existing/Anticipated models in near term?

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

Flood risk type: Riverine? Coastal? Local? Playa? Other?

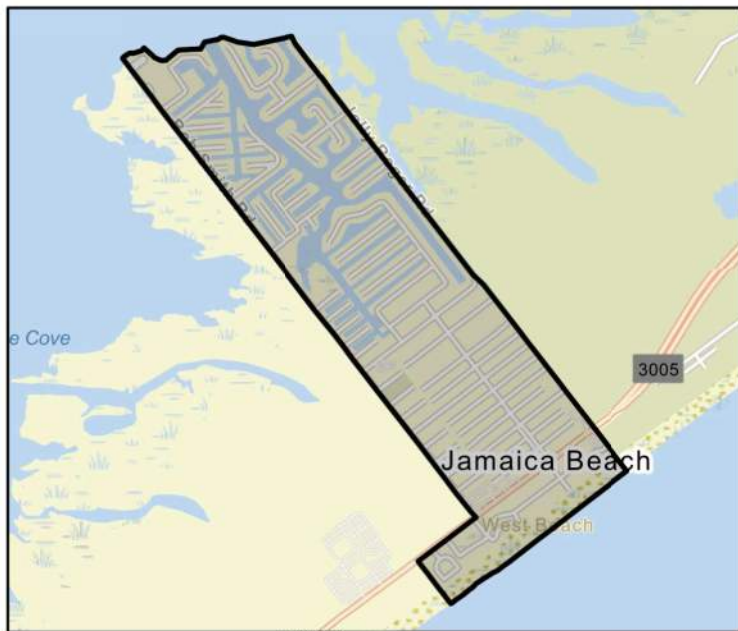
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

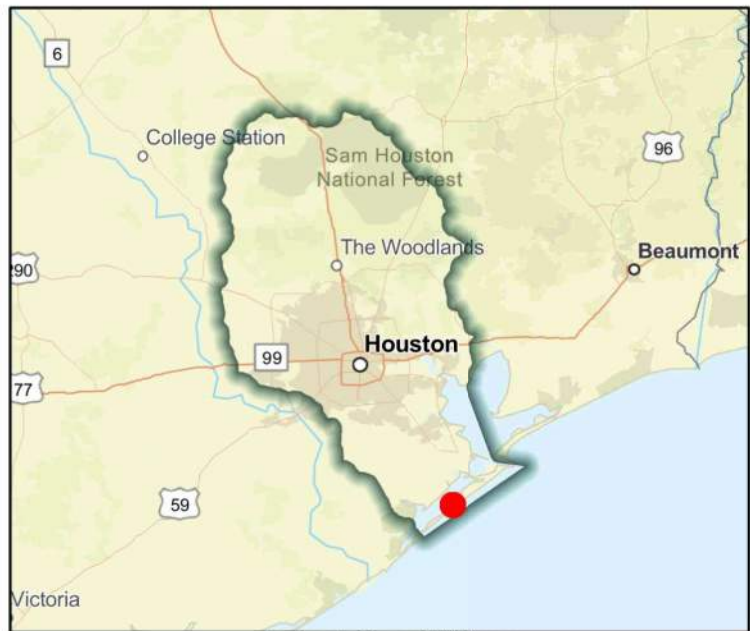
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Lake Shadows Subdivision Drainage Improvements**

ID# **061000027**

Sponsor (name of entity, not person) **Harris (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study and development of a FMP of recommended alternative 5 which includes installing the Foley trunk line downstream of the pipelines, upsizing and installing new outfalls, and installing the Belle Cote trunk line.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401010502,120401040704**

Drainage area (Square miles, est.) **1** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **149** # of structures **41** Critical facilities **0**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

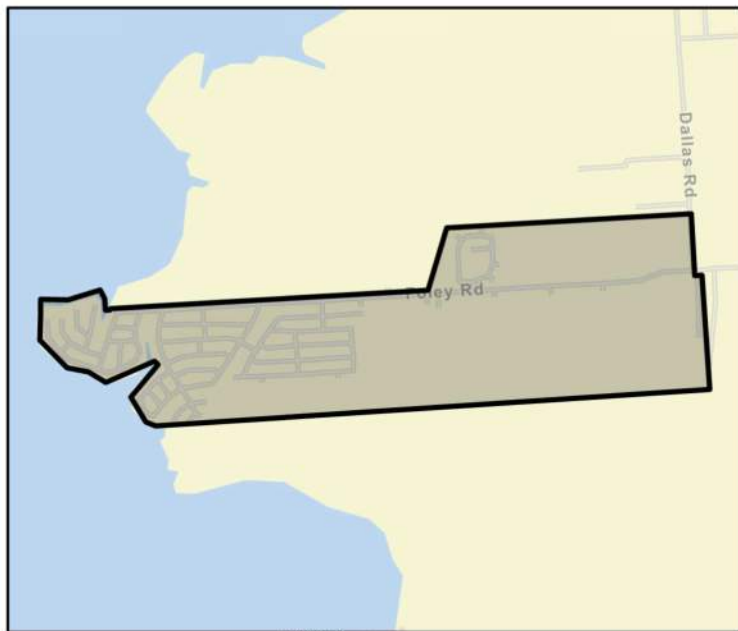
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **-**

Number of low water crossings **0** Historical road closures **0**

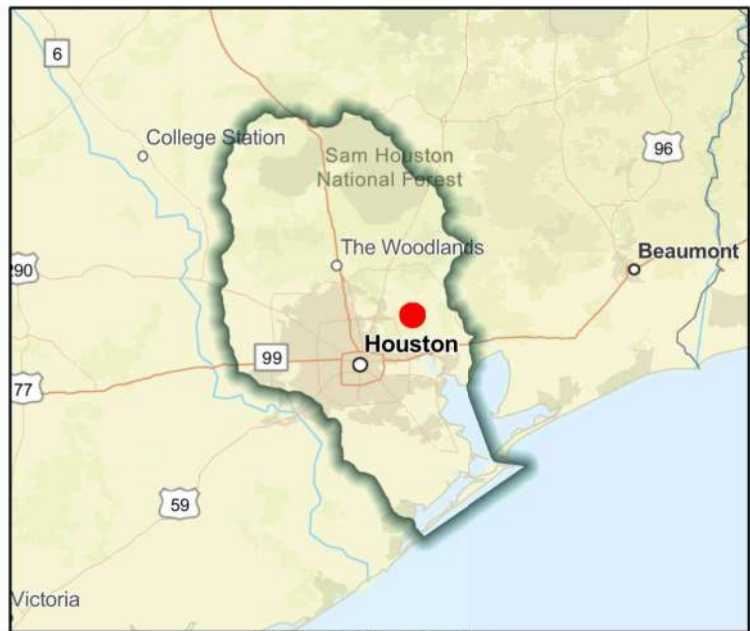
Estimated Cost and Funding Availability

Total Cost **\$280,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **League City - Stormwater Drainage Improvement- Interurban & Newport ditch**

ID# **061000097**

Sponsor (name of entity, not person) **League City (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of proposed slope paving (concrete lining) improvements.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Galveston,Harris** Watershed HUC# (if known) **120402040200,120402040100**

Drainage area (Square miles, est.) **53** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **20,978** # of structures **5,251** Critical facilities **25**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **1,308** Roadway(s) impacted (length) **105**

Number of low water crossings **2** Historical road closures **2**

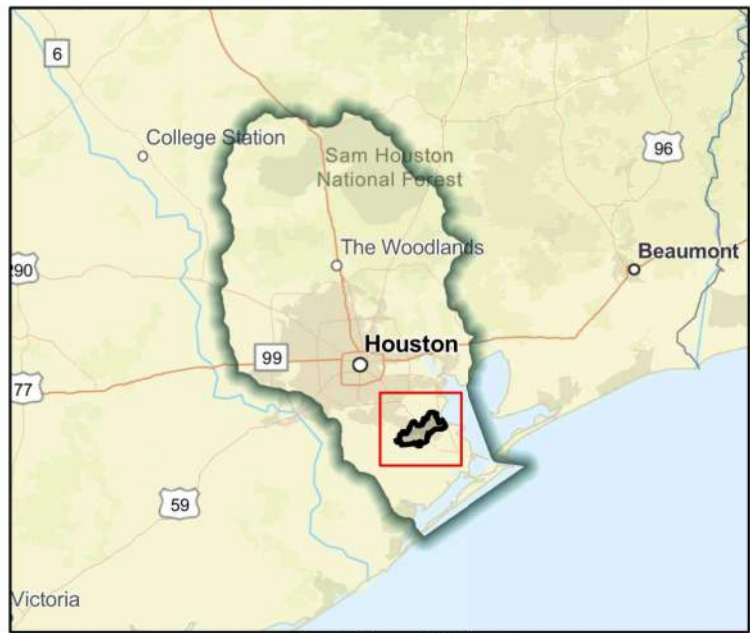
Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Liberty County Culvert Replacement Project**
ID# **061000148**
Sponsor (name of entity, not person) **Liberty (County)**
RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

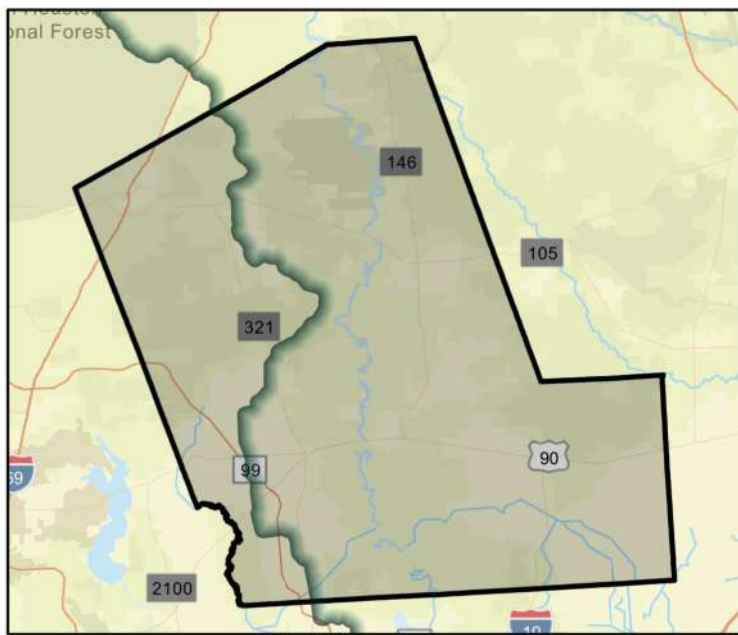
Study type **Project Planning**
Study description **Increase culvert size in identified flood hazard problem areas within Liberty County.**
New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**
County **Liberty** Watershed HUC# (if known) **120401030201,120401030108,120401030109,120401030205,120401030**
Drainage area (Square miles, est.) **1,170** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

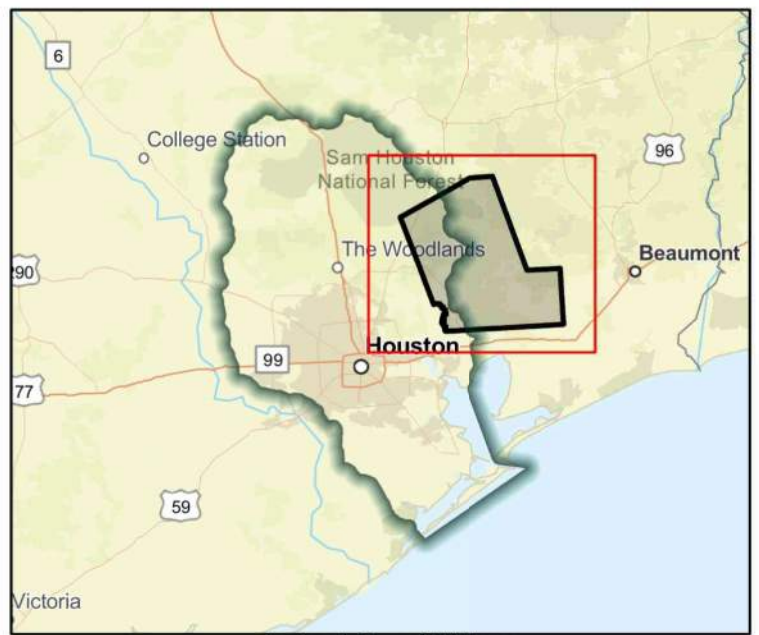
Population at risk **4,854** # of structures **3,618** Critical facilities **8**
Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**
Farm/Ranch land impacted (acres) **1,379** Roadway(s) impacted (length) **144**
Number of low water crossings **7** Historical road closures **7**

Estimated Cost and Funding Availability

Total Cost **\$120,000** Amount of Available Funding **-** Federal funding availability **Yes**
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? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of proposed drainage projects throughout the county- including adding ditches, detention ponds and detention basins in identified locations throughout the county in order to improve drainage.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Liberty** Watershed HUC# (if known) **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? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

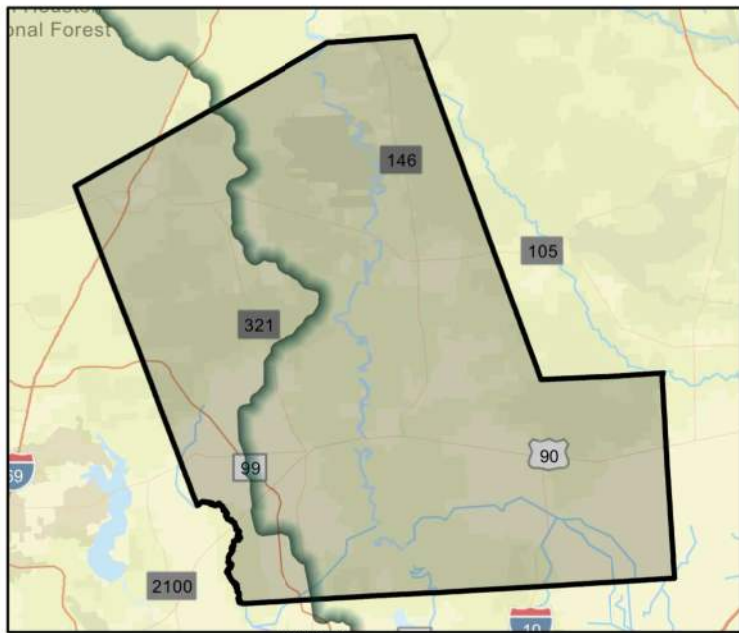
Farm/Ranch land impacted (acres) **1,379** Roadway(s) impacted (length) **144**

Number of low water crossings **7** Historical road closures **7**

Estimated Cost and Funding Availability

Total Cost **\$2,000,000** Amount of Available Funding **-** Federal funding availability **Yes**

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? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Regional drainage study to establish a county wide drainage plan including atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Liberty** Watershed HUC# (if known) **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? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

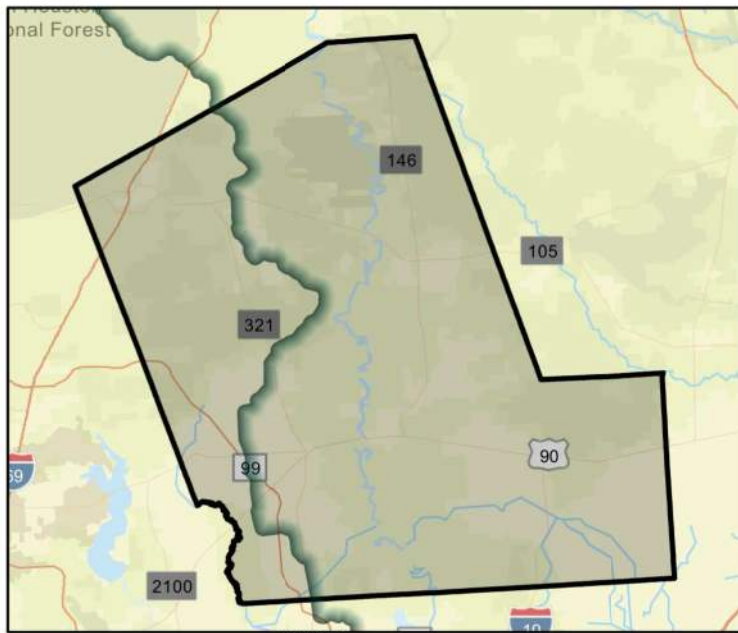
Farm/Ranch land impacted (acres) **1,379** Roadway(s) impacted (length) **144**

Number of low water crossings **7** Historical road closures **7**

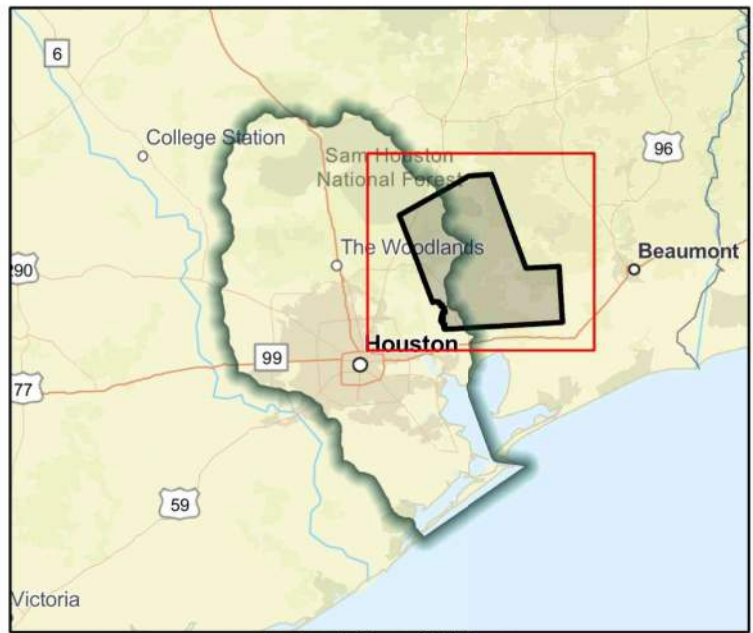
Estimated Cost and Funding Availability

Total Cost **\$486,000** Amount of Available Funding **-** Federal funding availability **Yes**

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? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Montgomery** Watershed HUC# (if known) **120401010207,120401010401**

Drainage area (Square miles, est.) **6** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **3,099** # of structures **516** Critical facilities **2**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **2** Roadway(s) impacted (length) **10**

Number of low water crossings **9** Historical road closures **9**

Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

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? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

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? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

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**

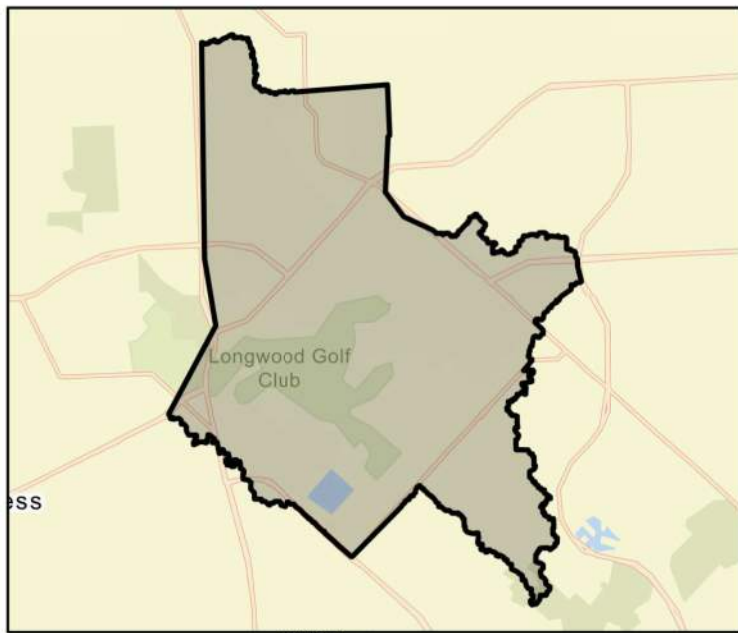
Farm/Ranch land impacted (acres) **4** Roadway(s) impacted (length) **3**

Number of low water crossings **0** Historical road closures **0**

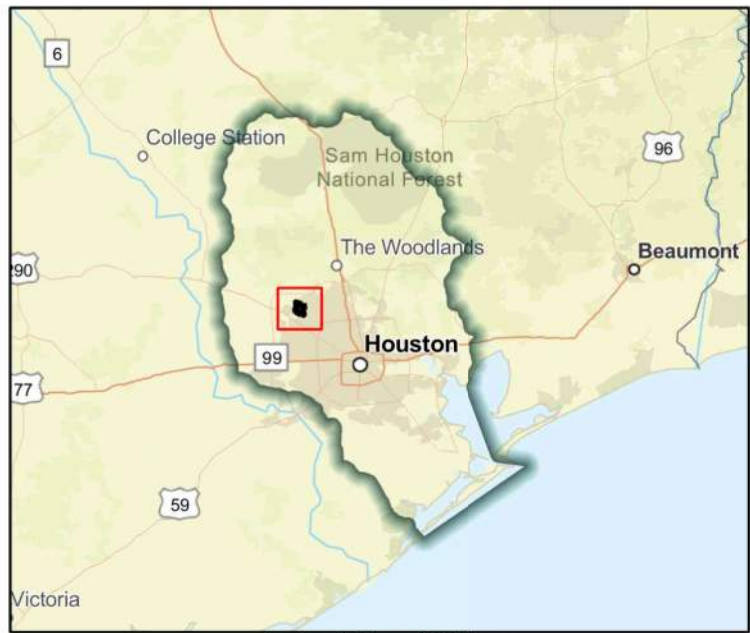
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **-** Federal funding availability **Yes**

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? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

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? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

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**

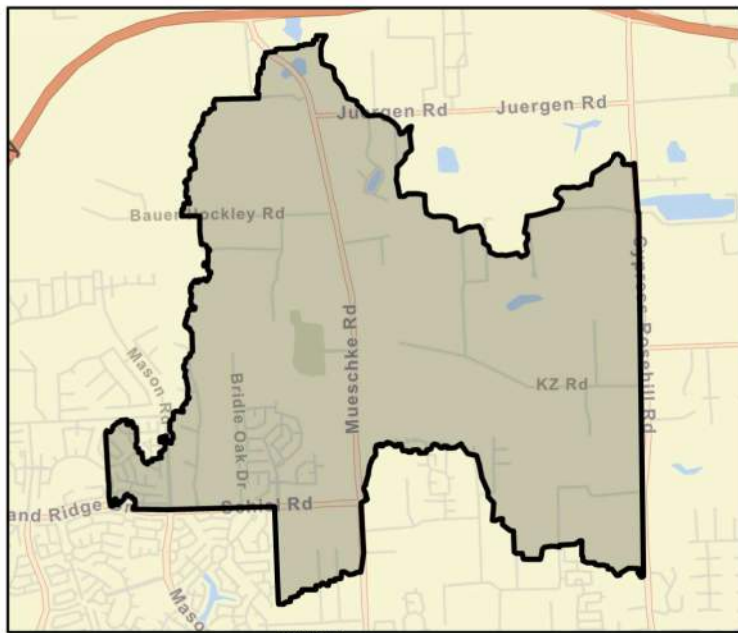
Farm/Ranch land impacted (acres) **13** Roadway(s) impacted (length) **2**

Number of low water crossings **0** Historical road closures **0**

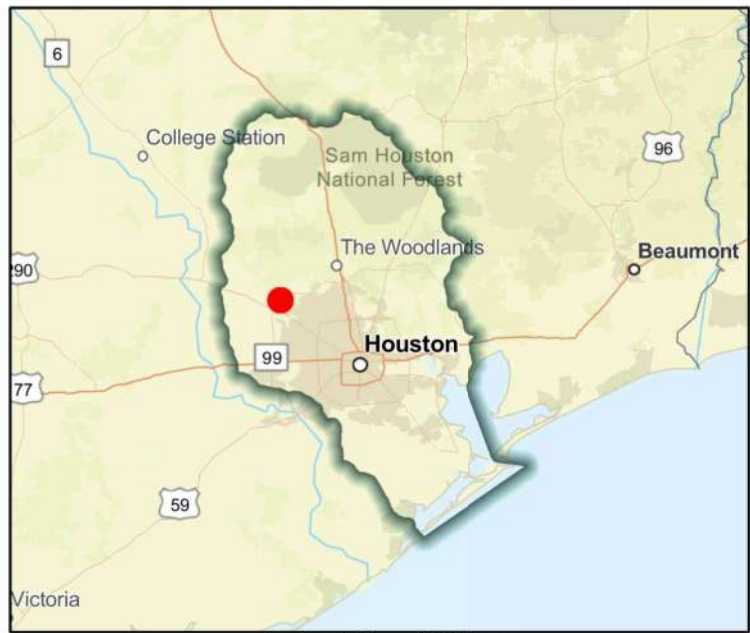
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Little Cypress Creek - L113-00-00**

ID# **061000202**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of 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? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

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**

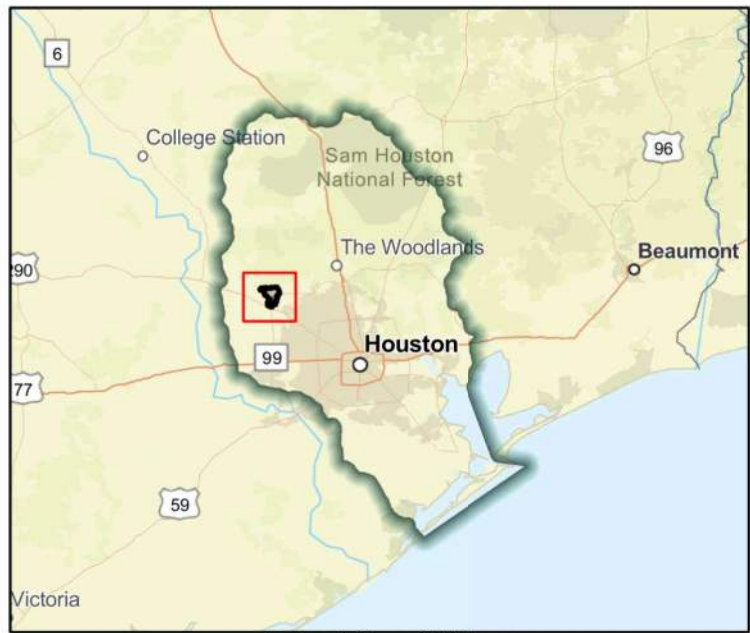
Estimated Cost and Funding Availability

Total Cost **\$300,000** Amount of Available Funding **-** Federal funding availability **Yes**

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? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a BCR required for this to become a FMP. The Little Cypress Creek Frontier program will reduce the risk of flooding and include detention, sediment control, vegetation management and other flood risk management projects.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris Watershed HUC# (if known) 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

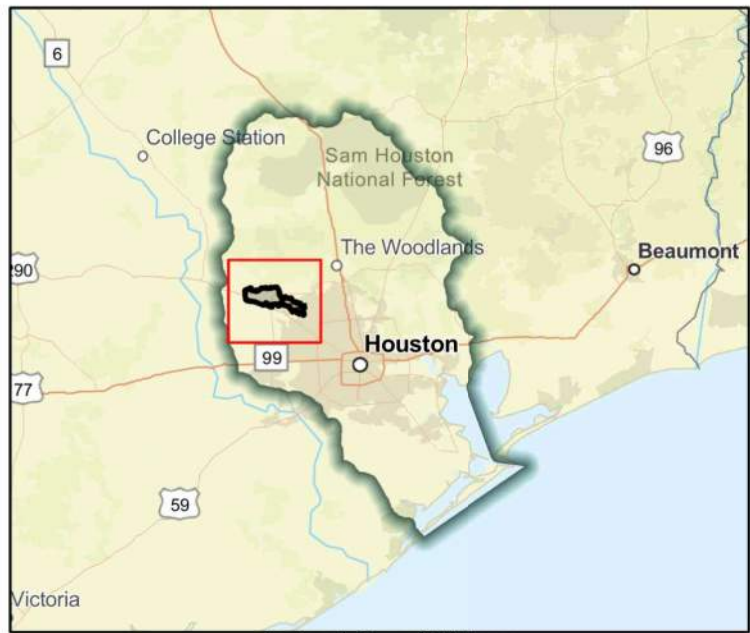
Estimated Cost and Funding Availability

Total Cost \$30,000 Amount of Available Funding - Federal funding availability Yes

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Longmire and SH-105 - Live Oak Creek Watershed**

ID# **061000462**

Sponsor (name of entity, not person) **Conroe (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Montgomery** Watershed HUC# (if known) **120401010207,120401010401**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **531** # of structures **99** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

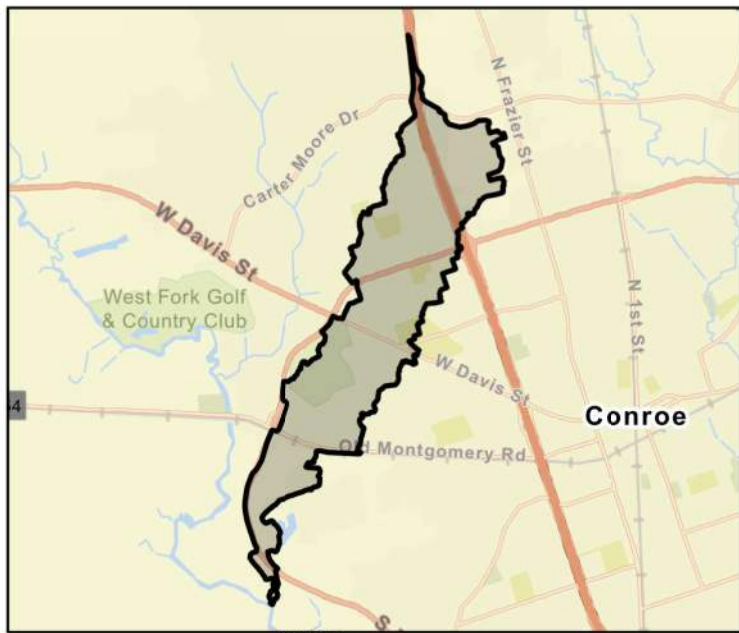
Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **2**

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 **Yes**

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? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further refine the DB Alt. 2 in the LCCDBFMP (2021), including alternative analysis to McFarland Detention Basin, W Cemetery Rd. Detention Basin, Hilton Detention Basin, Magnolia Bayou & Borden Gully Detention Basins, and Diversion Channel at Desel Dr..**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Brazoria, Galveston, Fort** Watershed HUC# (if known) **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? **Yes** Playa? **No** Other? **No**

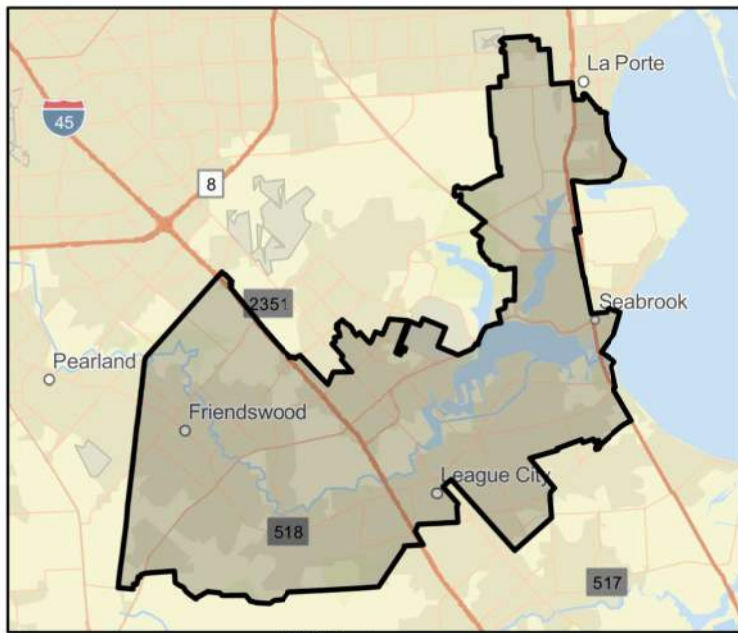
Farm/Ranch land impacted (acres) **129** Roadway(s) impacted (length) **240**

Number of low water crossings **9** Historical road closures **9**

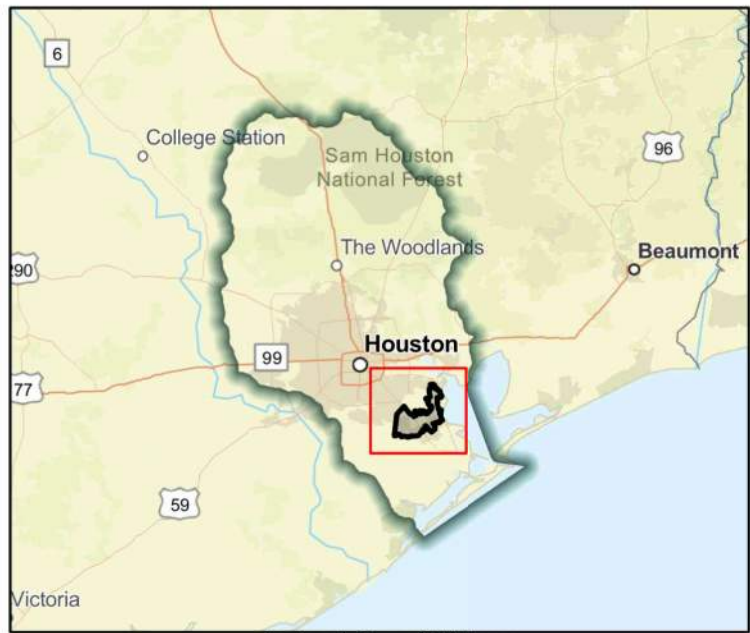
Estimated Cost and Funding Availability

Total Cost **\$1,090,000** Amount of Available Funding **-** Federal funding availability **Yes**

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? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

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? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

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? **No** Local? **No** Playa? **No** Other? **No**

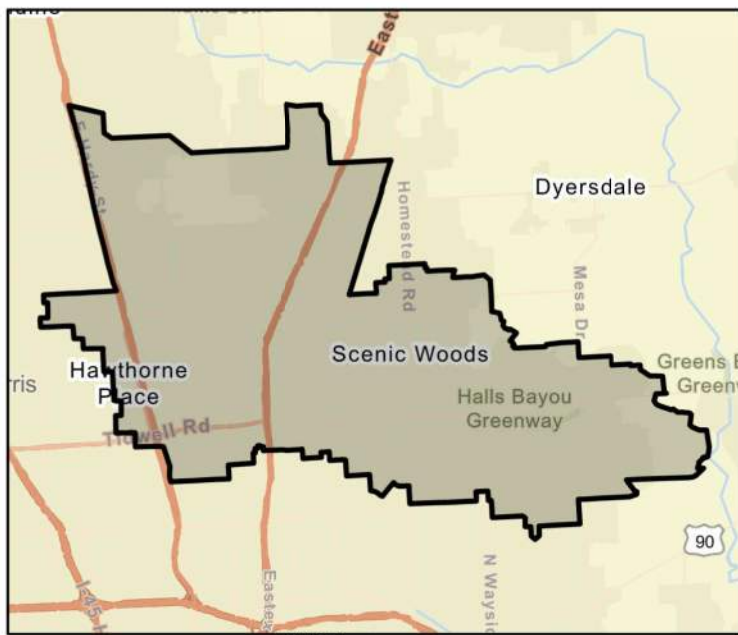
Farm/Ranch land impacted (acres) **2** Roadway(s) impacted (length) **68**

Number of low water crossings **3** Historical road closures **3**

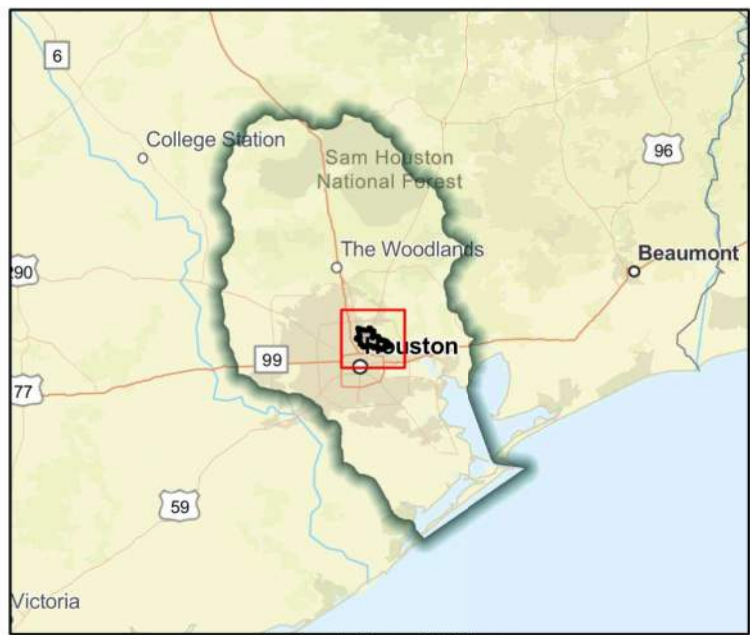
Estimated Cost and Funding Availability

Total Cost **\$1,000,000** Amount of Available Funding **-** Federal funding availability **Yes**

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? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of channel bypass to provide Luce main stem upstream and local overland flooding relief.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **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? **Yes** Playa? **No** Other? **No**

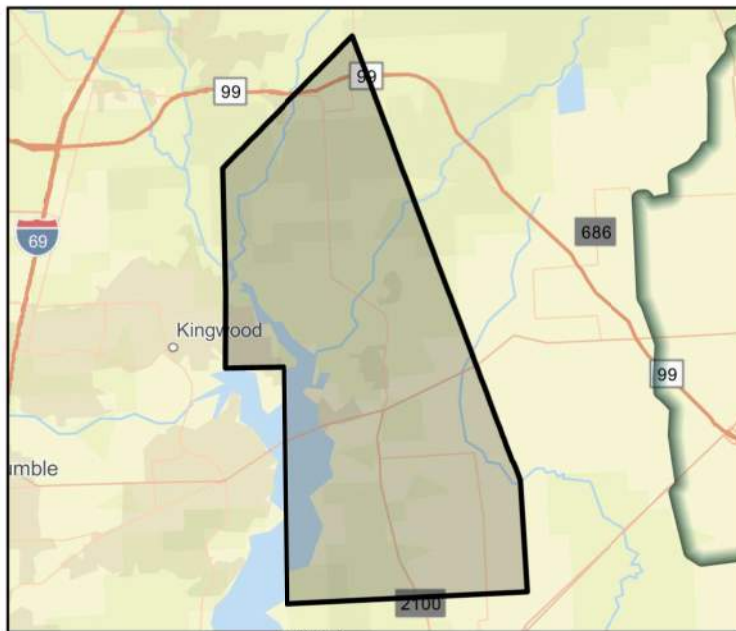
Farm/Ranch land impacted (acres) **1,122** Roadway(s) impacted (length) **40**

Number of low water crossings **0** Historical road closures **0**

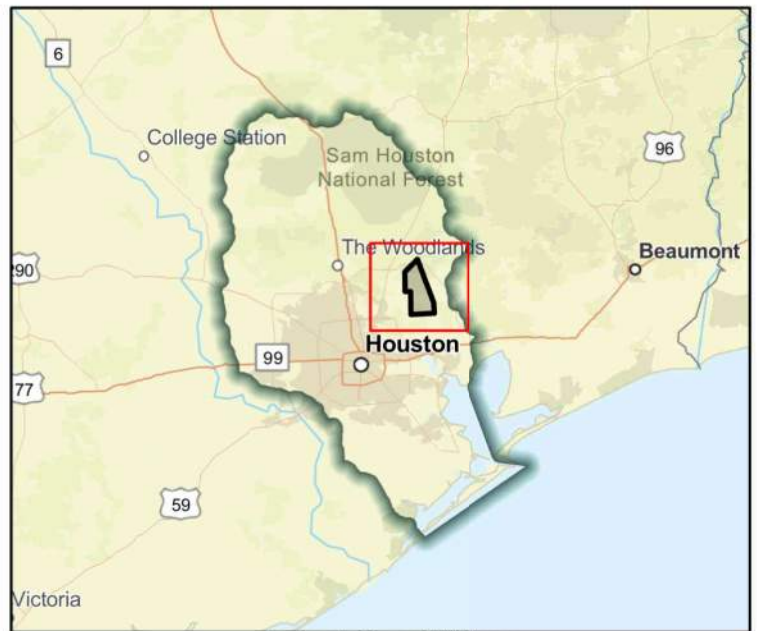
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Luce Bayou (Z100-00-00-P026) Channelization**

ID# **061000412**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of channel improvements along Luce main stem.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **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? **Yes** Playa? **No** Other? **No**

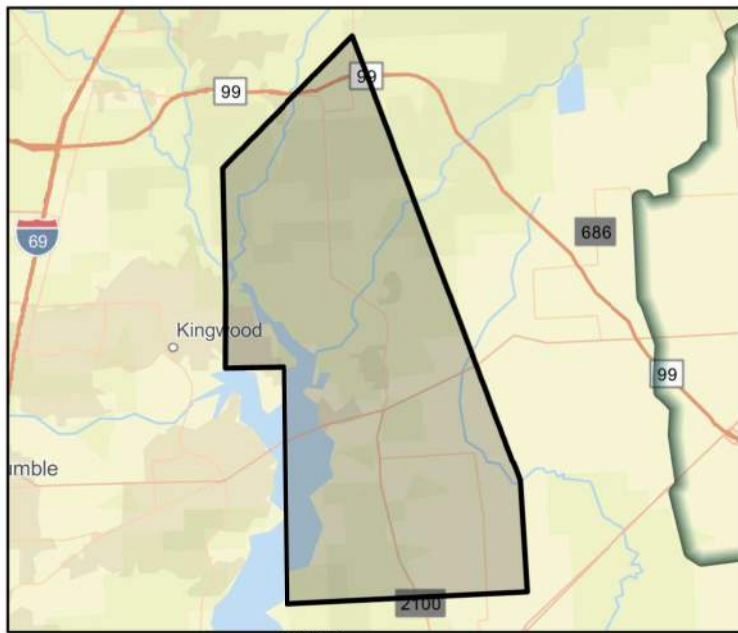
Farm/Ranch land impacted (acres) **1,122** Roadway(s) impacted (length) **40**

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 **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Luce Bayou (Z100-00-00-P026) Upstream Detention**

ID# **061000413**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of regional detention upstream of Luce Bayou, including acquiring open land north of Harris County.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **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? **Yes** Playa? **No** Other? **No**

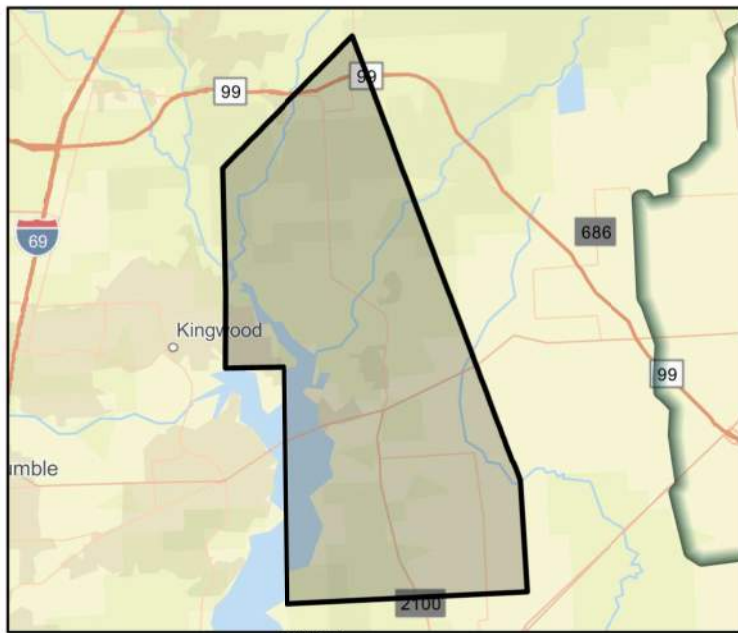
Farm/Ranch land impacted (acres) **1,122** Roadway(s) impacted (length) **40**

Number of low water crossings **0** Historical road closures **0**

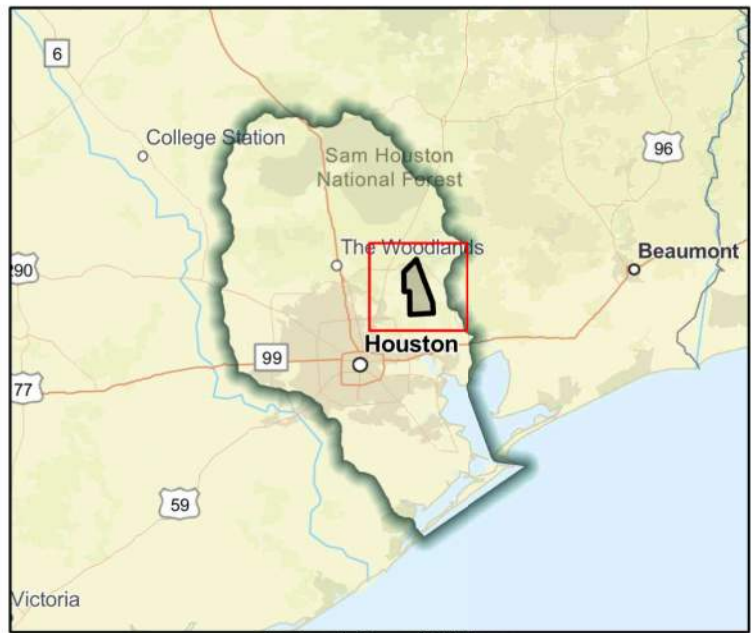
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

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? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

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.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Brazoria, Galveston** Watershed HUC# (if known) **120402040100**

Drainage area (Square miles, est.) **1** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **554** # of structures **75** Critical facilities **1**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **3**

Number of low water crossings **1** Historical road closures **1**

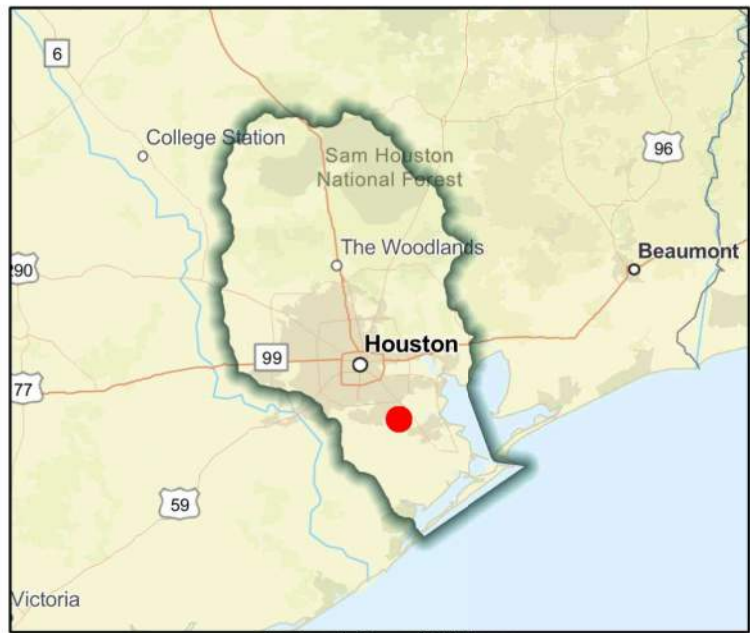
Estimated Cost and Funding Availability

Total Cost **\$2,436,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **Other**



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? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Brazoria** Watershed HUC# (if known) **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**

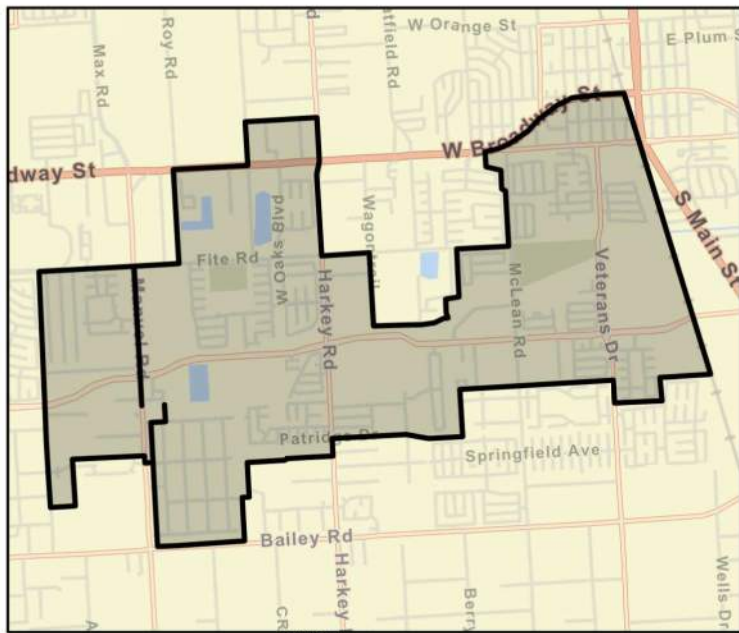
Farm/Ranch land impacted (acres) **10** Roadway(s) impacted (length) **19**

Number of low water crossings **0** Historical road closures **0**

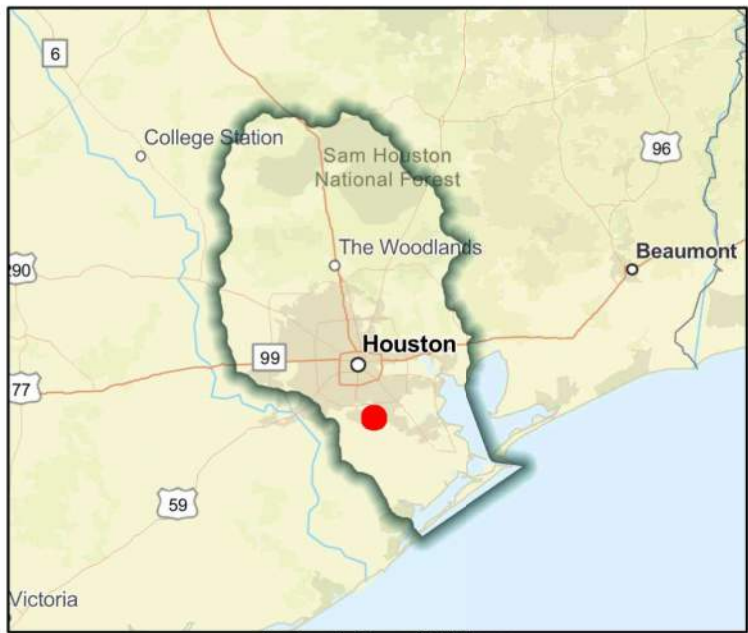
Estimated Cost and Funding Availability

Total Cost **\$628,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **Other**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Mary's Creek Upper Segment**

ID# **061000061**

Sponsor (name of entity, not person) **Pearland (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Brazoria** Watershed HUC# (if known) **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? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

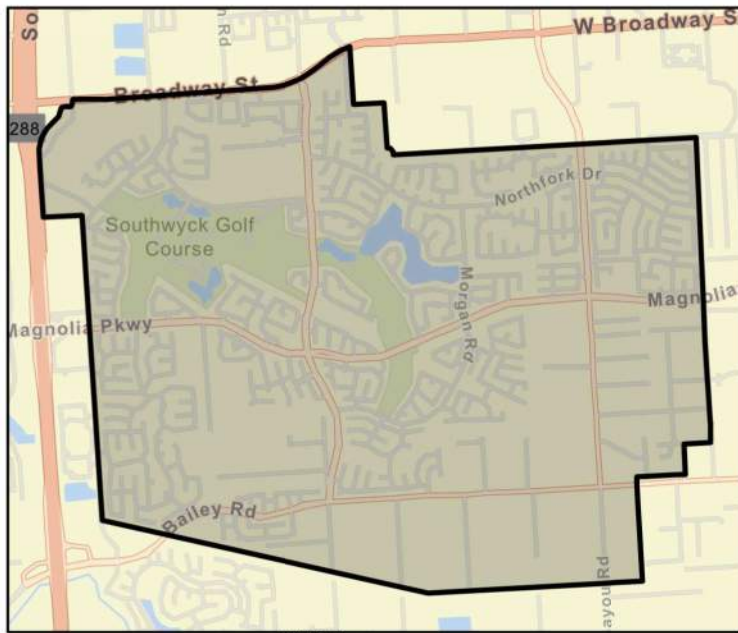
Farm/Ranch land impacted (acres) - **-** Roadway(s) impacted (length) - **-**

Number of low water crossings - **-** Historical road closures - **-**

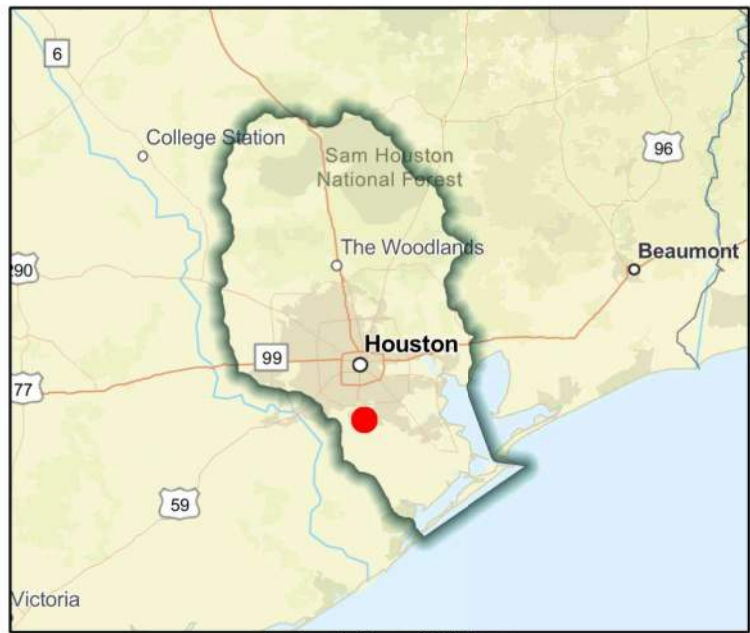
Estimated Cost and Funding Availability

Total Cost **\$460,000** Amount of Available Funding - **-** Federal funding availability **Yes**

Funding source **Other**



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? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of proposed flood risk reduction project that includes drainage improvements to Missouri City Estates.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Fort Bend,Harris** Watershed HUC# (if known) **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? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) - Roadway(s) impacted (length) -

Number of low water crossings - Historical road closures -

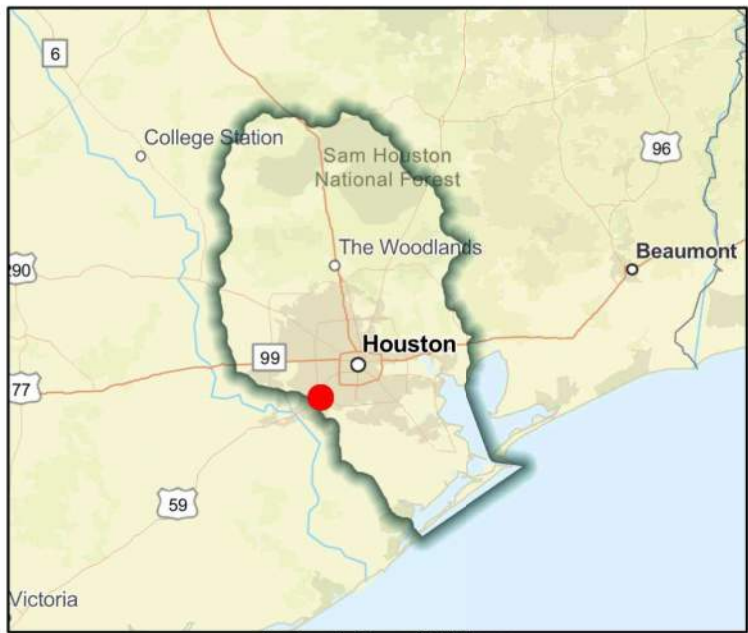
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding - Federal funding availability **Yes**

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? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **County wide study to produce flood mapping updates including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Montgomery** Watershed HUC# (if known) **120401010101,120401010301,120401010302,120401010303,120401010**

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? **Yes** Playa? **No** Other? **No**

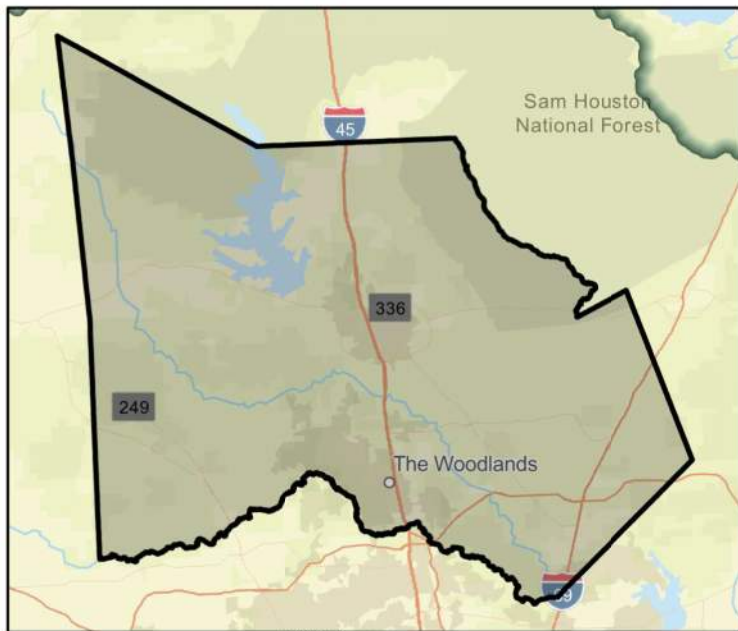
Farm/Ranch land impacted (acres) **852** Roadway(s) impacted (length) **409**

Number of low water crossings **72** Historical road closures **72**

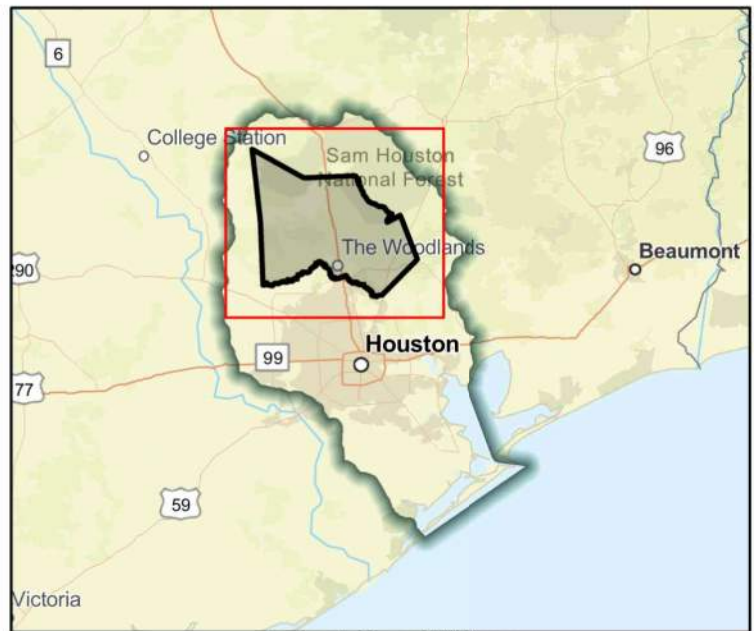
Estimated Cost and Funding Availability

Total Cost **\$4,700,000** Amount of Available Funding **-** Federal funding availability **Yes**

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) **Brazoria Drainage District 4**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Brazoria, Fort Bend** Watershed HUC# (if known) **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**

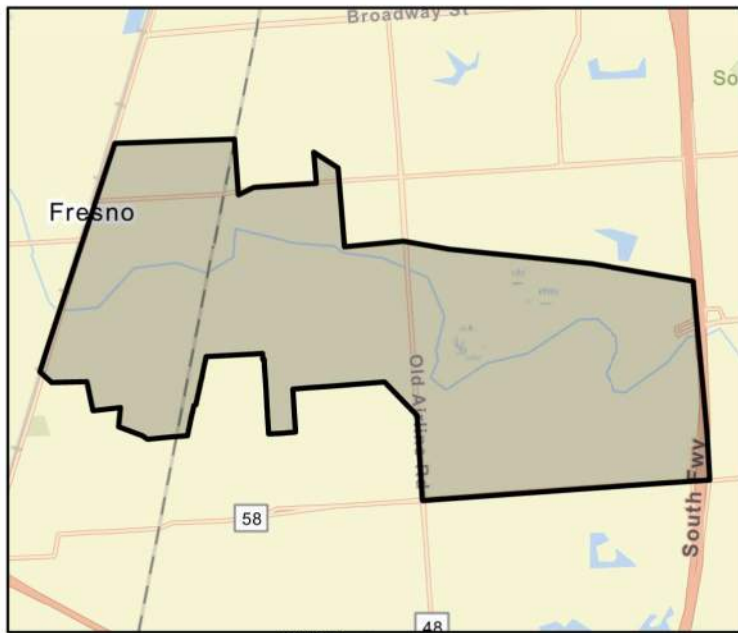
Farm/Ranch land impacted (acres) **39** Roadway(s) impacted (length) **6**

Number of low water crossings **0** Historical road closures **0**

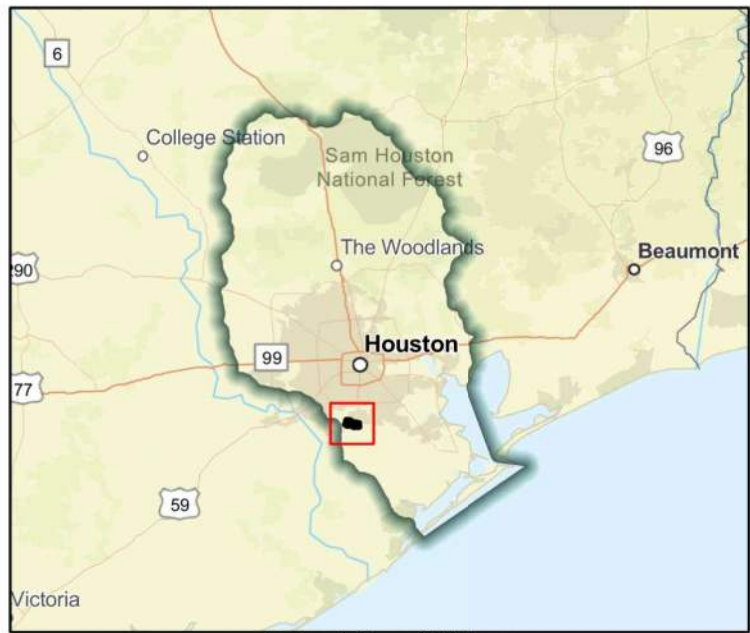
Estimated Cost and Funding Availability

Total Cost **\$1,212,000** Amount of Available Funding **-** Federal funding availability **Yes**

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) **Brazoria Drainage District 4**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Fort Bend** Watershed HUC# (if known) **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**

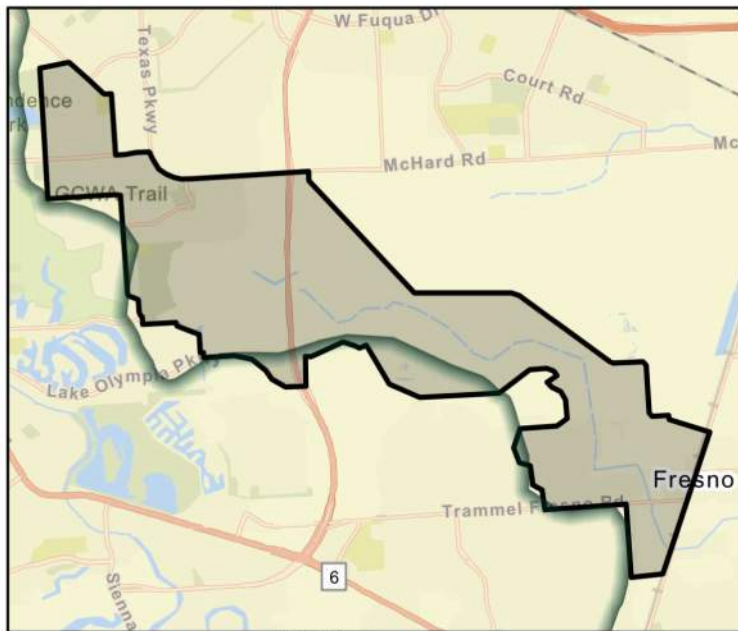
Farm/Ranch land impacted (acres) **20** Roadway(s) impacted (length) **4**

Number of low water crossings **3** Historical road closures **3**

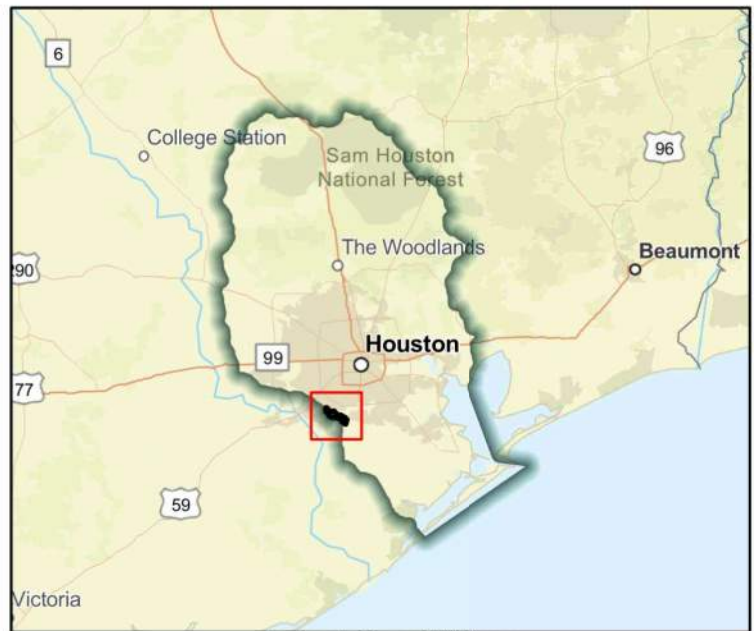
Estimated Cost and Funding Availability

Total Cost **\$2,040,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **North Alexander Drainage Improvements**

ID# **061000423**

Sponsor (name of entity, not person) **Baytown (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study to develop this project into a FMP. This CDBG-MIT application involves the installation and construction of various storm sewer and detention infrastructure.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Chambers,Harris** Watershed HUC# (if known) **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? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

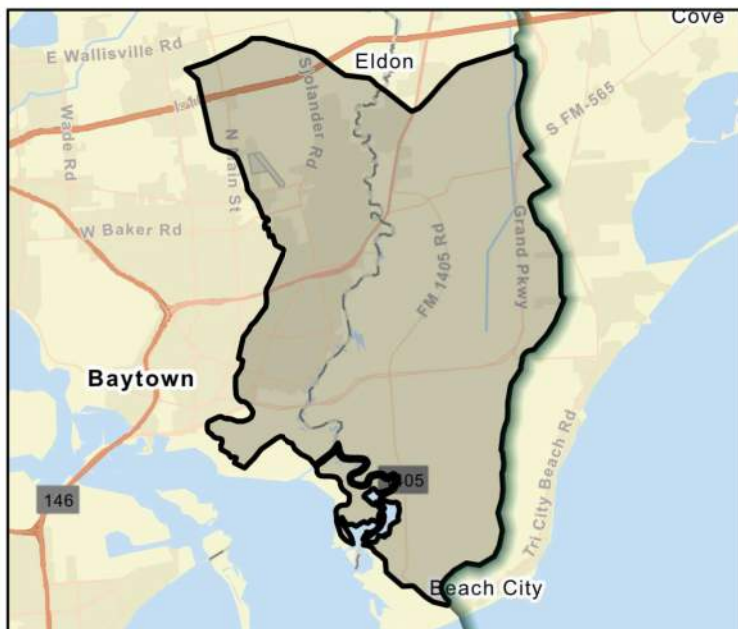
Farm/Ranch land impacted (acres) **98** Roadway(s) impacted (length) **14**

Number of low water crossings **0** Historical road closures **0**

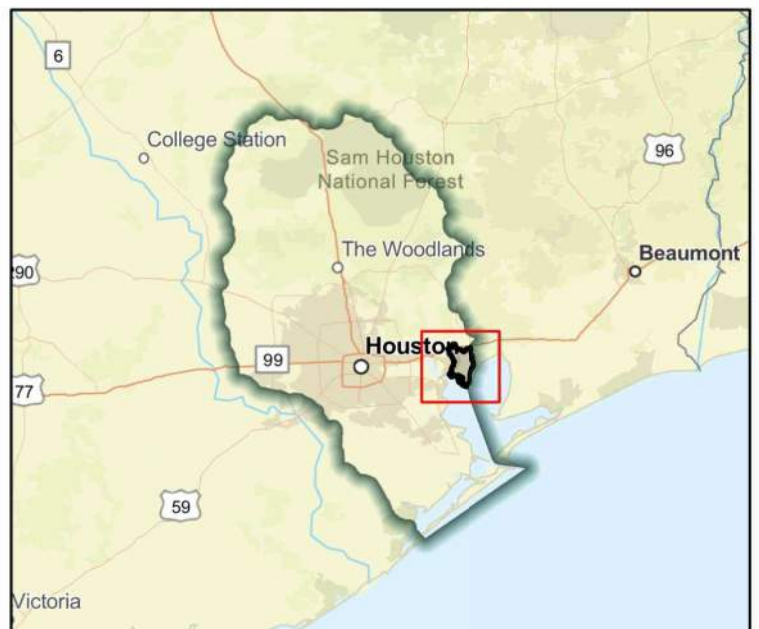
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



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? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Montgomery** Watershed HUC# (if known) **120401010207,120401010401**

Drainage area (Square miles, est.) **6** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **3,099** # of structures **516** Critical facilities **2**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

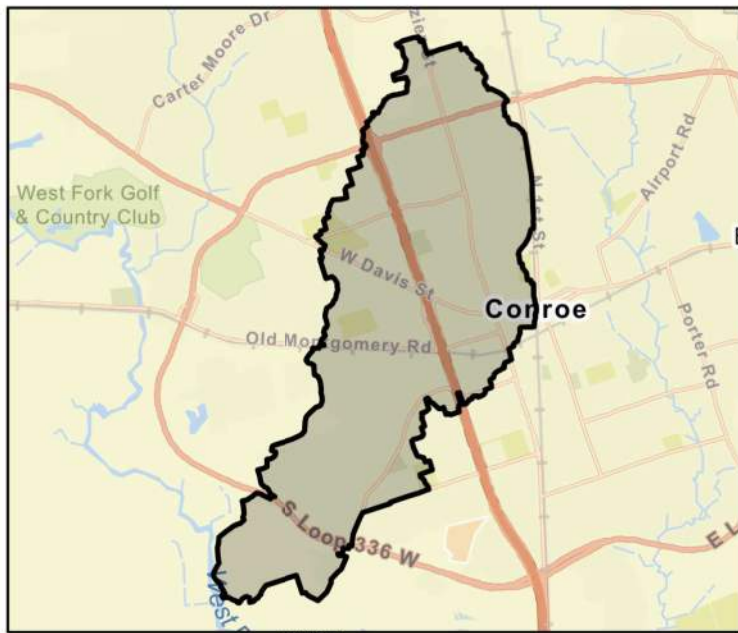
Farm/Ranch land impacted (acres) **2** Roadway(s) impacted (length) **10**

Number of low water crossings **9** Historical road closures **9**

Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Preliminary Drainage & Infrastructure Improvements Happy Hide A Way Subdivison**

ID# **061000025**

Sponsor (name of entity, not person) **Harris (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Additional analysis in the Jackson Bayou watershed, specifically along R102-00-00, is needed to determine the necessary improvements and provide a no impact solution.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040704**

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? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) - **-** Roadway(s) impacted (length) - **-**

Number of low water crossings - **-** Historical road closures - **-**

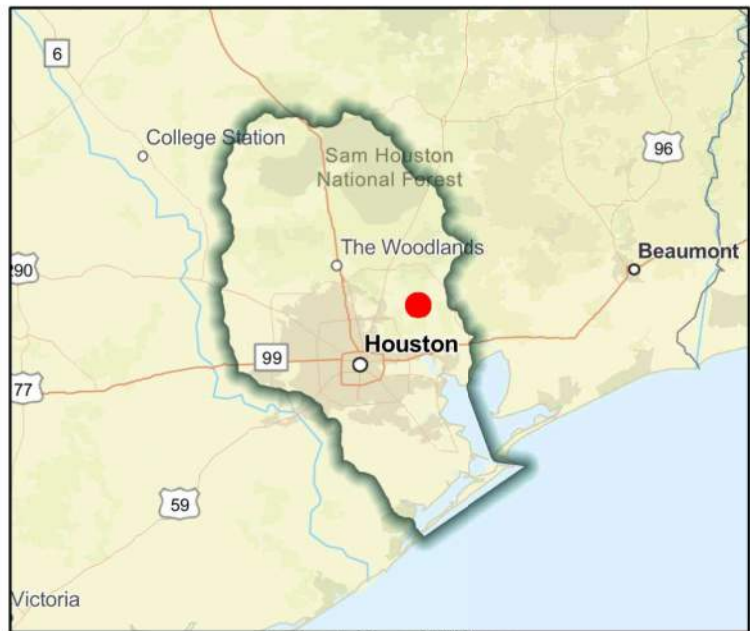
Estimated Cost and Funding Availability

Total Cost **\$110,000** Amount of Available Funding - **-** Federal funding availability **Yes**

Funding source - **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Property Protection, Structural Project**

ID# **061000086**

Sponsor (name of entity, not person) **New Waverly (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Generate base flood elevation data for flood map revisions. Use floodplain study to identify future mitigation activities to improve water ways and flood carrying capacities. Area to include approximately 4 miles of floodway in New Waverly.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Walker** Watershed HUC# (if known) **120401030101**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **19** # of structures **23** Critical facilities **0**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **0**

Estimated Cost and Funding Availability

Total Cost **\$2,500,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Raise Road Surfaces in City of Plum Grove**

ID# **061000102**

Sponsor (name of entity, not person) **Plum Grove (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further evaluation of road surface elevation.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Liberty** Watershed HUC# (if known) **120401030402**

Drainage area (Square miles, est.) **4** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **589** # of structures **363** Critical facilities **1**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

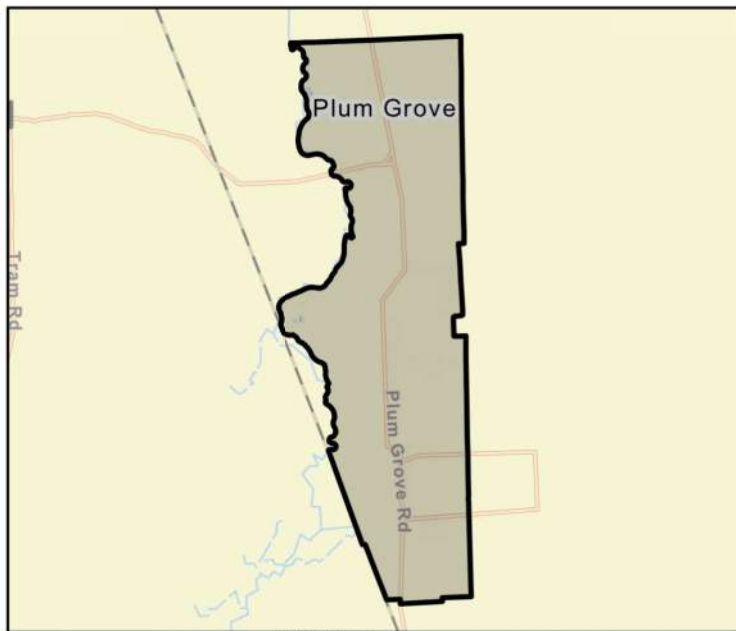
Farm/Ranch land impacted (acres) **9** Roadway(s) impacted (length) **9**

Number of low water crossings **0** Historical road closures **0**

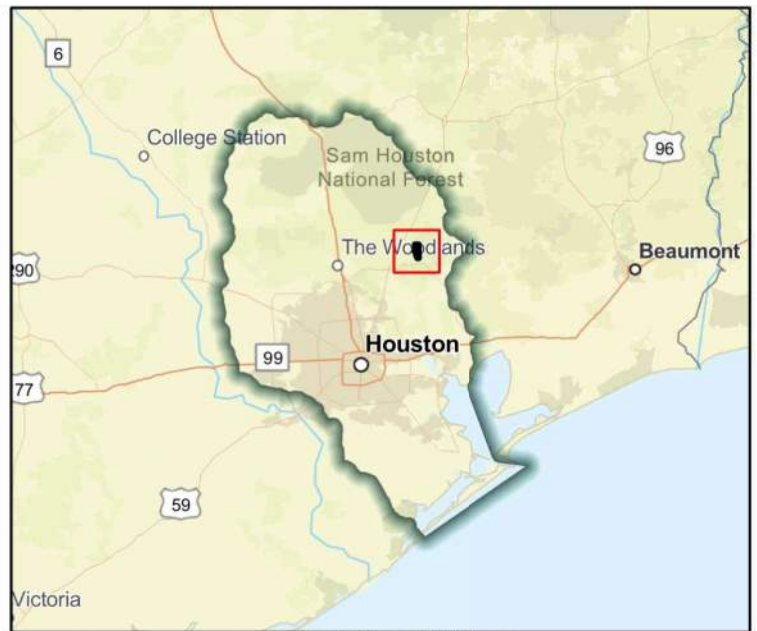
Estimated Cost and Funding Availability

Total Cost **\$35,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Recanalization Feasibility Study**

ID# **061000135**

Sponsor (name of entity, not person) **Liberty (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Dechannelize existing feeder creeks that flow from north to south and improve drainage for storm water runoff.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

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? **Yes** Playa? **No** Other? **No**

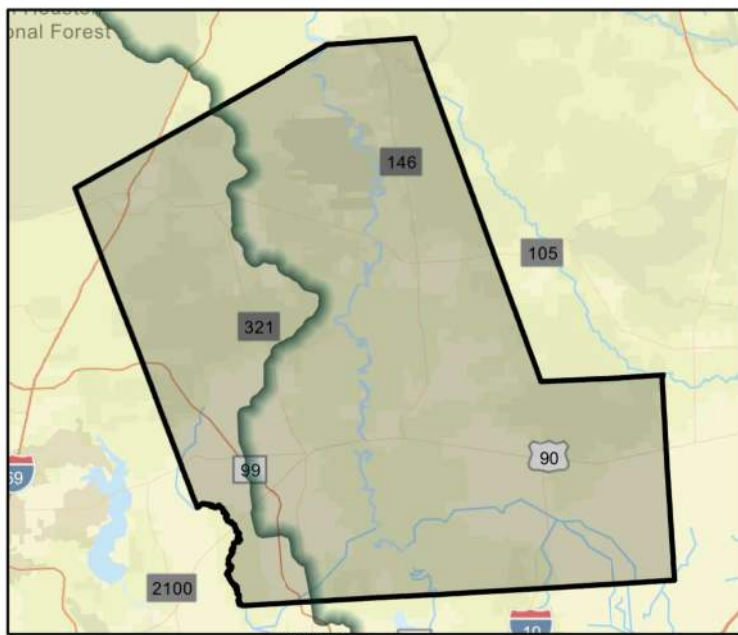
Farm/Ranch land impacted (acres) **1,379** Roadway(s) impacted (length) **144**

Number of low water crossings **7** Historical road closures **7**

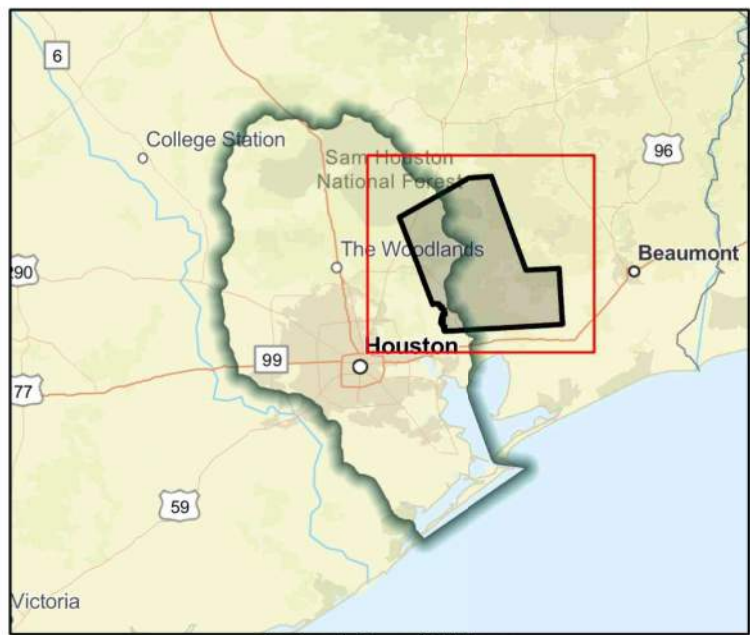
Estimated Cost and Funding Availability

Total Cost **\$486,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Regional Implementation of Large Diameter Deep Tunnel Systems for Storm Water Management**

ID# **061000175**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of regional Implementation of Large Diameter Deep Tunnel Systems for Storm Water Management.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401010502,120401040605,120401040703,120401040705,120401040**

Drainage area (Square miles, est.) **1,771**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **976,798**

of structures **143,642**

Critical facilities **2,332**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **5,993**

Roadway(s) impacted (length) **2,408**

Number of low water crossings **89**

Historical road closures **89**

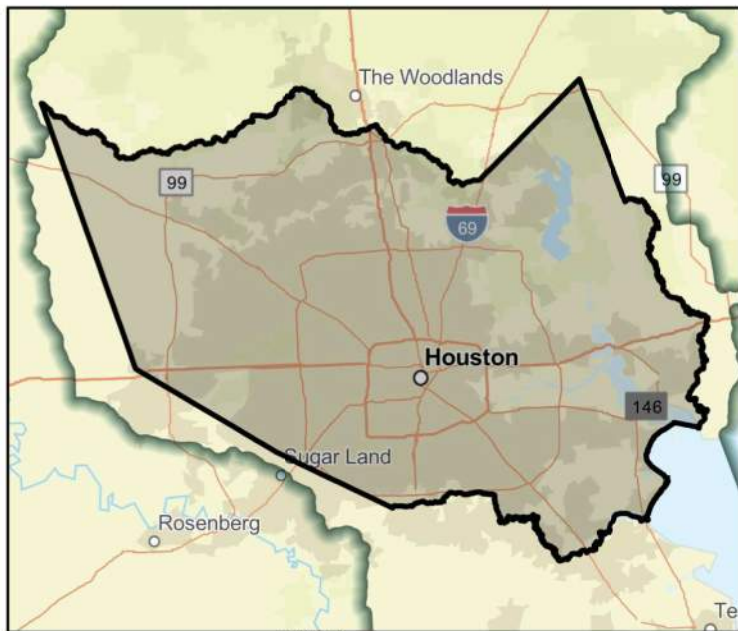
Estimated Cost and Funding Availability

Total Cost **\$20,000,000**

Amount of Available Funding **-**

Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Remedy Data Deficiency in City of New Waverly**

ID# **061000116**

Sponsor (name of entity, not person) **New Waverly (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Conduct a proper risk assessment of the dams residents suspect are causing upstream flooding, and determine all potential inundation areas.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Walker** Watershed HUC# (if known) **120401030101**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **19** # of structures **23** Critical facilities **0**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **0**

Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? No

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

Flood risk type: Riverine? No Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

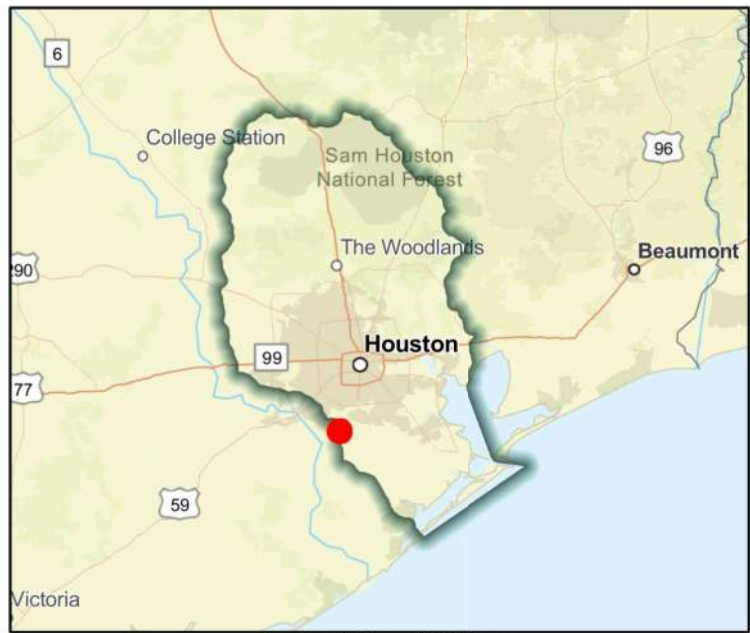
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability Yes

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Replace the Tiki Drive bridge with improved, hardened bridge to withstand storm surge and debris.**

ID# **061000080**

Sponsor (name of entity, not person) **Tiki Island (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of proposed Tiki Drive bridge modifications.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Galveston** Watershed HUC# (if known) **120402040200**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **1,721** # of structures **1,006** Critical facilities **6**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **4** Roadway(s) impacted (length) **10**

Number of low water crossings **0** Historical road closures **0**

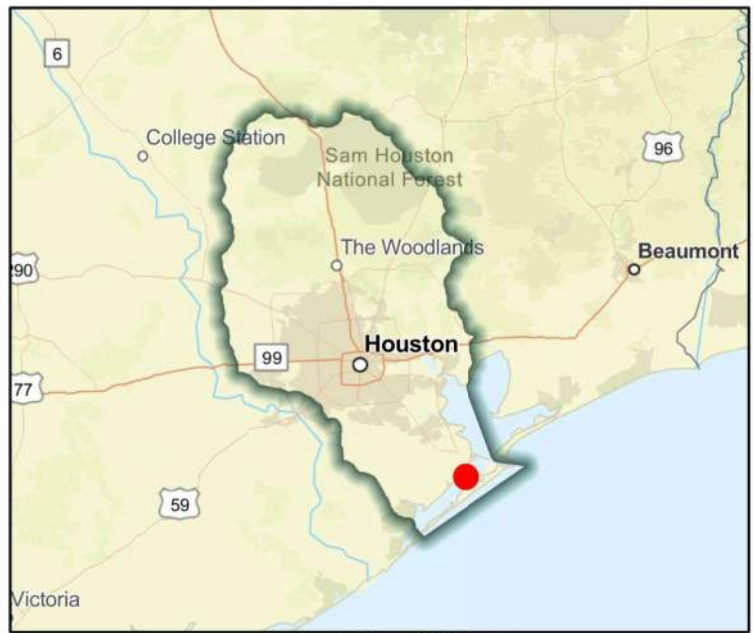
Estimated Cost and Funding Availability

Total Cost **\$220,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Rivershire East - Grand Lake Creek Watershed**

ID# **061000452**

Sponsor (name of entity, not person) **Conroe (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Montgomery** Watershed HUC# (if known) **120401010207,120401010401**

Drainage area (Square miles, est.) **4** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **1,873** # of structures **365** Critical facilities **6**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

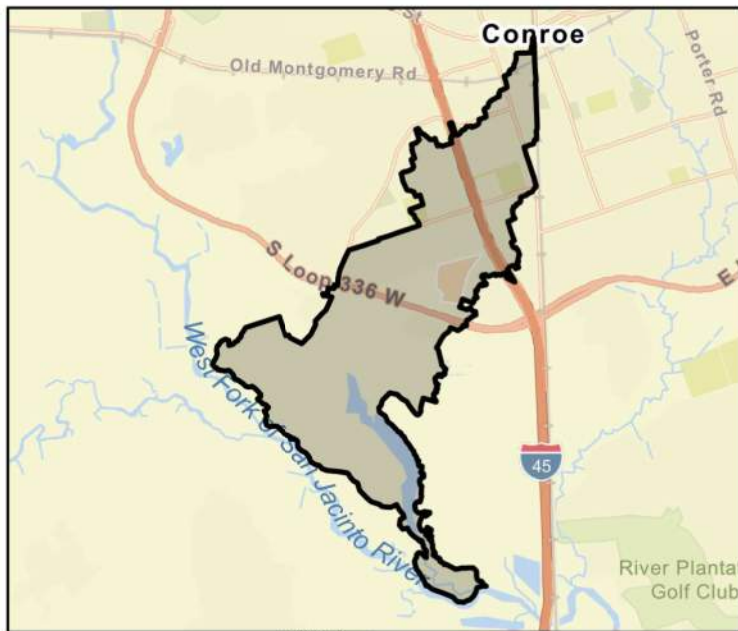
Farm/Ranch land impacted (acres) **3** Roadway(s) impacted (length) **7**

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 **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Rivershire West - Grand Lake Creek Watershed**

ID# **061000453**

Sponsor (name of entity, not person) **Conroe (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Montgomery** Watershed HUC# (if known) **120401010207,120401010401**

Drainage area (Square miles, est.) **10** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **4,662** # of structures **879** Critical facilities **6**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

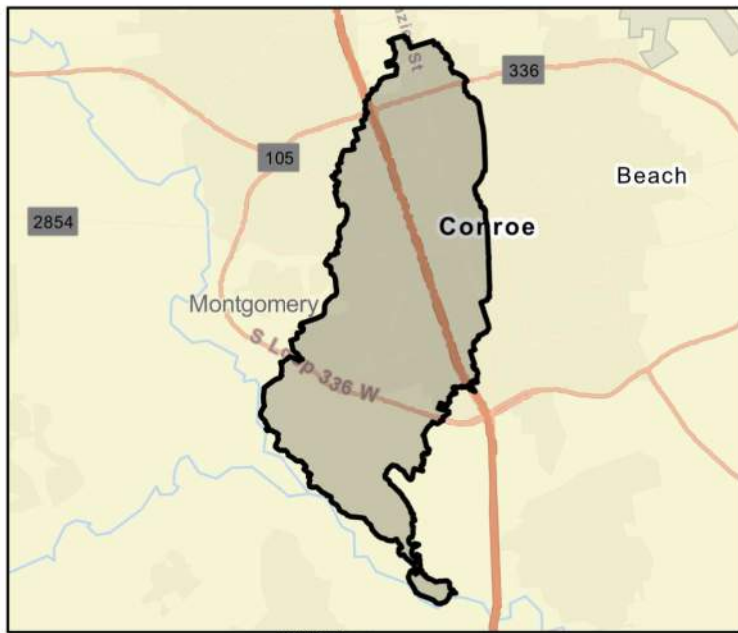
Farm/Ranch land impacted (acres) **5** Roadway(s) impacted (length) **17**

Number of low water crossings **9** Historical road closures **9**

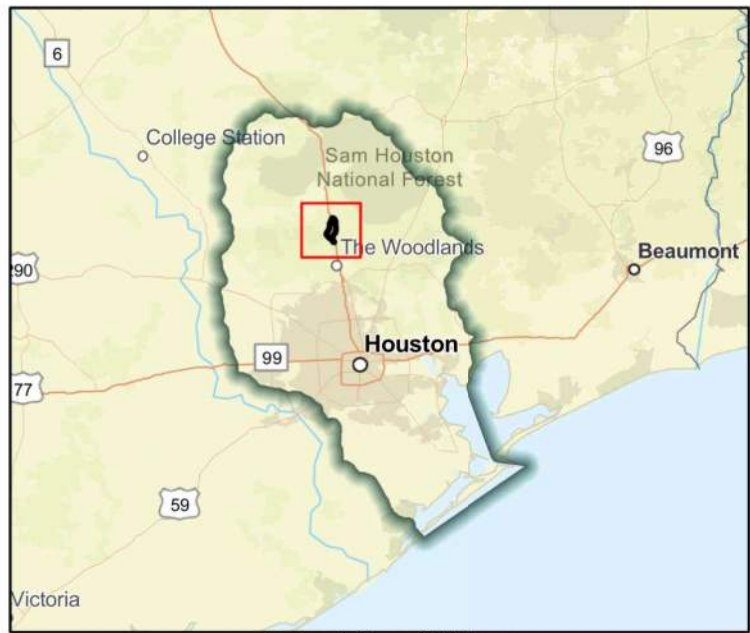
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Roman Forest Boulevard Bridge Elevation Project**

ID# **061000388**

Sponsor (name of entity, not person) **Montgomery (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of this project involves the study, design, elevation, and replacement of the Roman Forest Boulevard Bridge to mitigate the risks associated with storms and riverine flooding for the approximate 15,000 citizens.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Montgomery** Watershed HUC# (if known) **120401030109,120401030402**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **270** # of structures **86** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

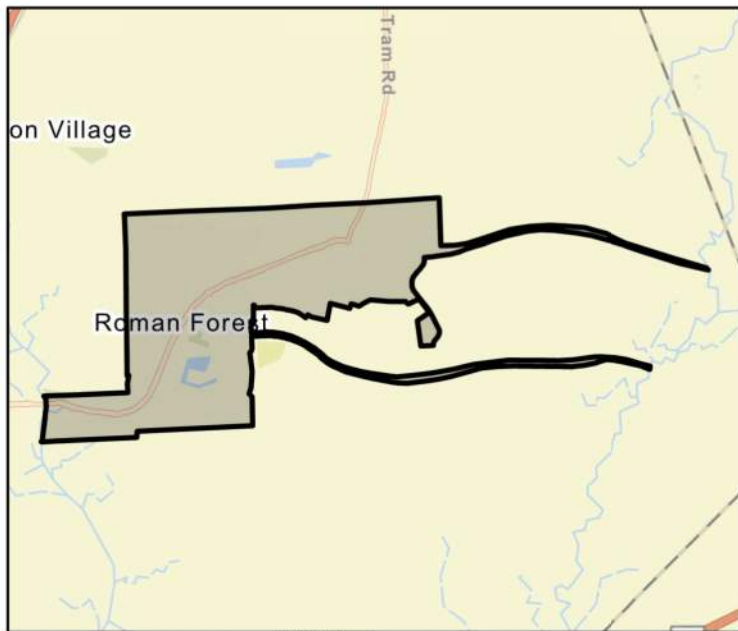
Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **3**

Number of low water crossings **0** Historical road closures **0**

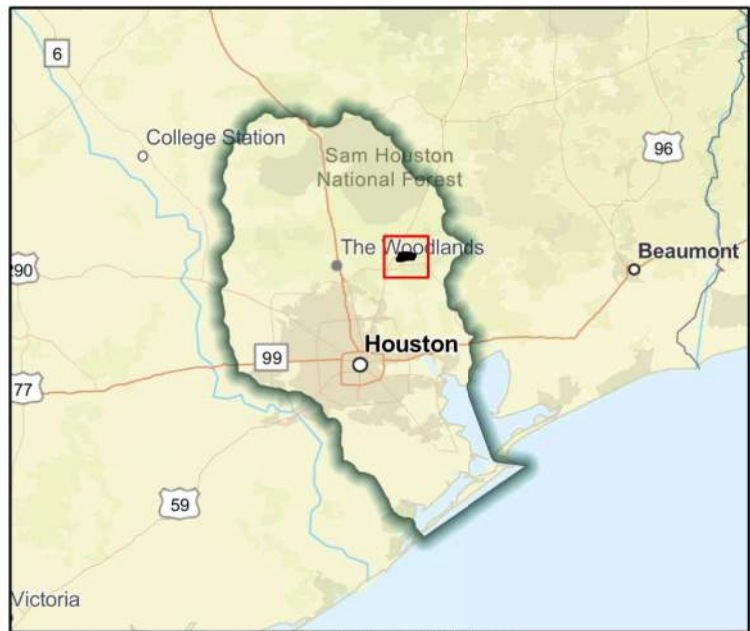
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Rush Creek Lake - Lake Conroe Estates Watershed**

ID# **061000461**

Sponsor (name of entity, not person) **Conroe (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Montgomery** Watershed HUC# (if known) **120401010207,120401010206**

Drainage area (Square miles, est.) **2** 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? **Yes** Playa? **No** Other? **No**

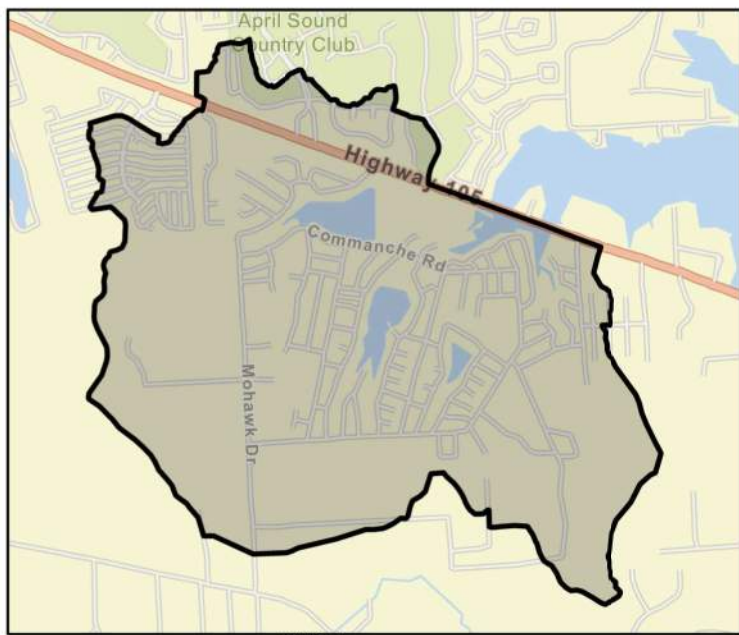
Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **0**

Number of low water crossings **1** Historical road closures **1**

Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **San Jacinto Flood Mapping Updates**

ID# **061000308**

Sponsor (name of entity, not person) **San Jacinto (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **County wide study to produce flood mapping updates including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **San Jacinto** Watershed HUC# (if known) **120401030201,120401030108,120401030106,120401030107,120401030**

Drainage area (Square miles, est.) **626** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **1,376** # of structures **1,028** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

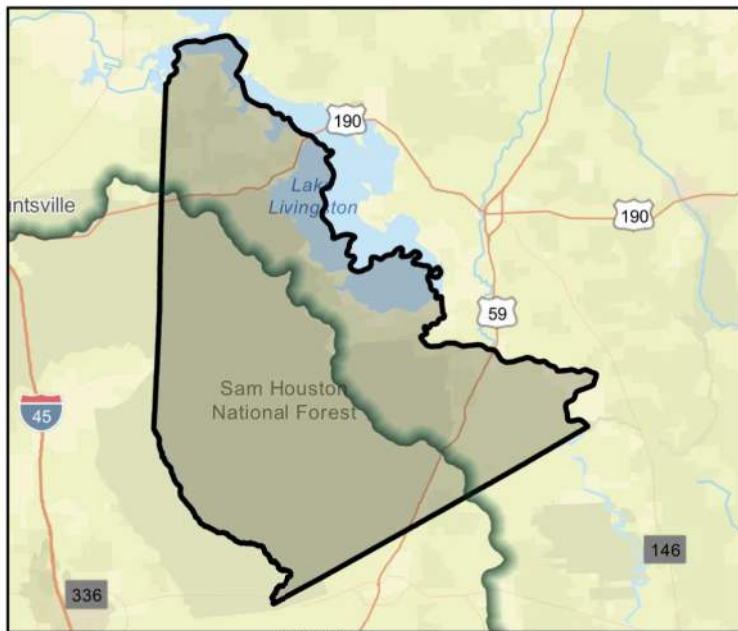
Farm/Ranch land impacted (acres) **63** Roadway(s) impacted (length) **48**

Number of low water crossings **1** Historical road closures **1**

Estimated Cost and Funding Availability

Total Cost **\$1,419,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **San Jacinto River - G103-33-04**

ID# **061000208**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of 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? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401010501**

Drainage area (Square miles, est.) **1** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **1,580** # of structures **248** Critical facilities **1**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **4**

Number of low water crossings **0** Historical road closures **0**

Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **San Jacinto River - G103-36-00**

ID# **061000209**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of 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? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris, Montgomery** Watershed HUC# (if known) **120401010501**

Drainage area (Square miles, est.) **59** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **22,355** # of structures **3,840** Critical facilities **61**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

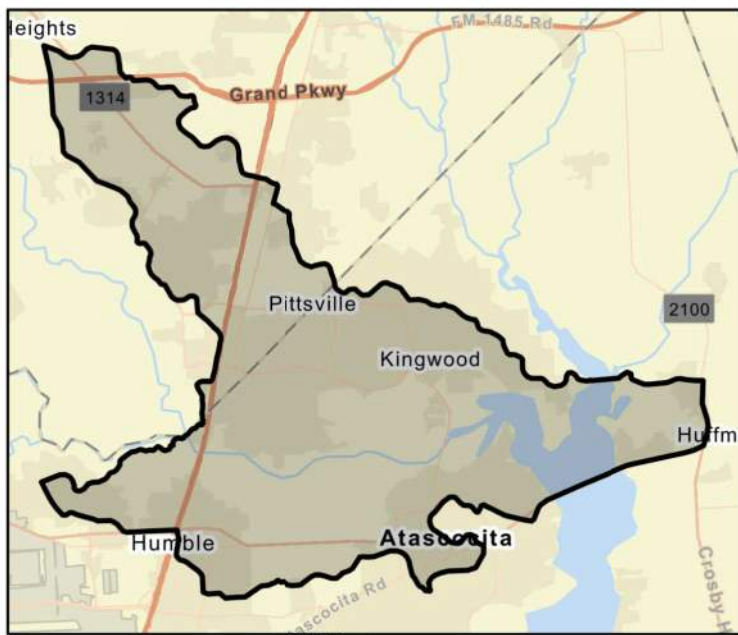
Farm/Ranch land impacted (acres) **114** Roadway(s) impacted (length) **81**

Number of low water crossings **1** Historical road closures **1**

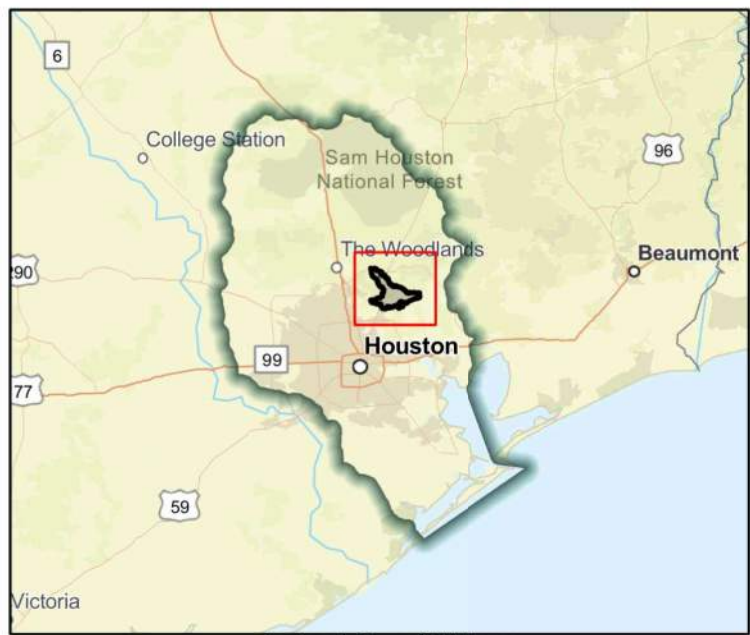
Estimated Cost and Funding Availability

Total Cost **\$1,000,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **San Jacinto River - G103-46-00**

ID# **061000207**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of 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? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris, Montgomery** Watershed HUC# (if known) **120401010501**

Drainage area (Square miles, est.) **59** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **22,355** # of structures **3,840** Critical facilities **61**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

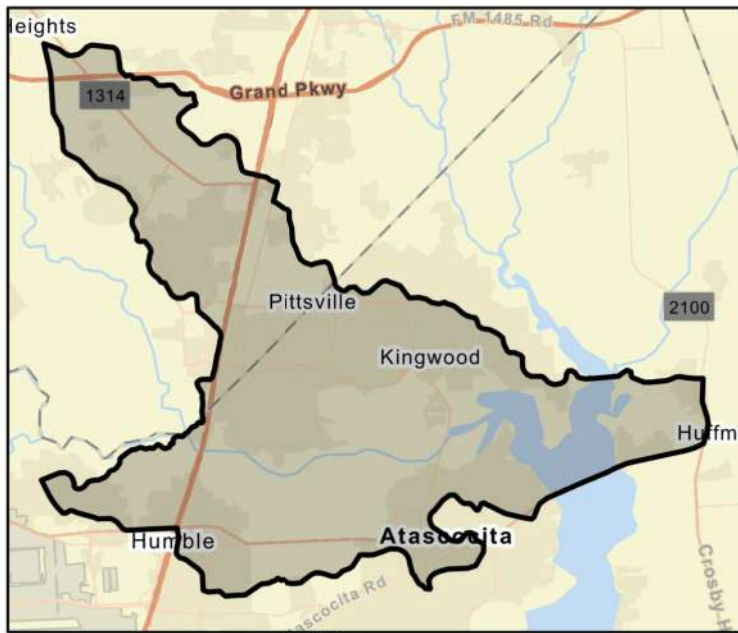
Farm/Ranch land impacted (acres) **114** Roadway(s) impacted (length) **81**

Number of low water crossings **1** Historical road closures **1**

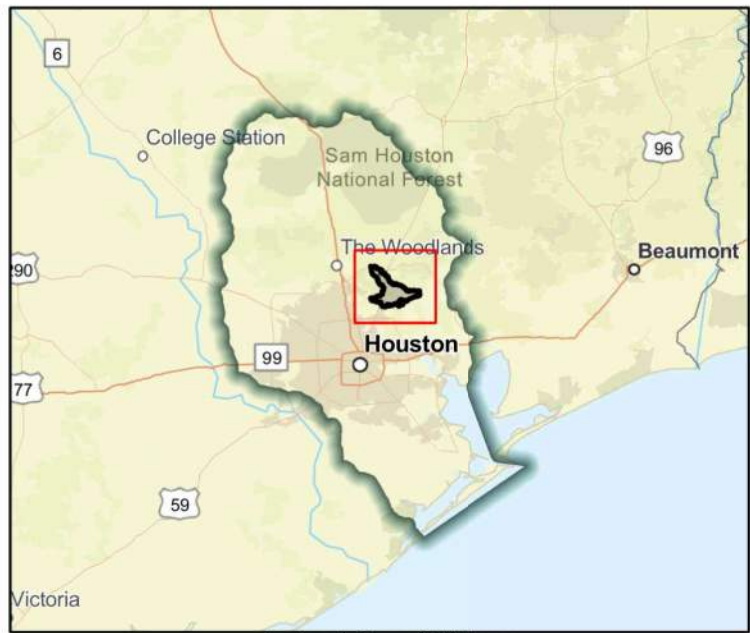
Estimated Cost and Funding Availability

Total Cost **\$1,000,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **San Jacinto Watershed and Tributary Barrier and Flood Mitigation - East County Project**

ID# **061000168**

Sponsor (name of entity, not person) **Montgomery (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Planning, H&H studies, design, environmental review, and barrier removal for the 98.6 miles of the San Jacinto Watershed and Tributary Barrier and Flood Mitigation-East County project area.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris,Liberty,Montgomery,San Jacinto** Watershed HUC# (if known) **120401030402,120401030401**

Drainage area (Square miles, est.) **95** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **4,867** # of structures **3,499** Critical facilities **3**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

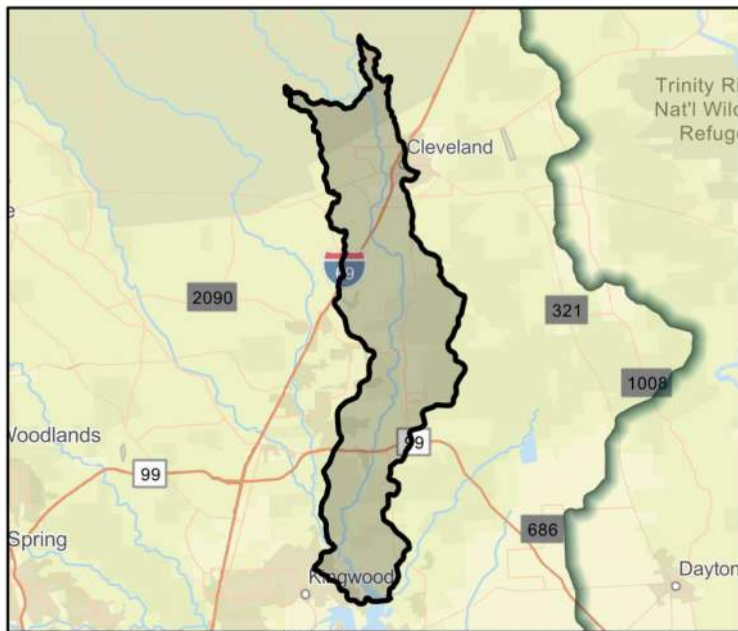
Farm/Ranch land impacted (acres) **71** Roadway(s) impacted (length) **102**

Number of low water crossings **1** Historical road closures **1**

Estimated Cost and Funding Availability

Total Cost **\$1,160,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **San Jacinto Watershed and Tributary Barrier and Flood Mitigation - West County Project**

ID# **061000169**

Sponsor (name of entity, not person) **Montgomery (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **H&H study, design, tributary barrier removal, and environmental assessments for the 96.2 miles of the San Jacinto Watershed and Tributary Barrier and Flood Mitigation-West County project area.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris, Montgomery** Watershed HUC# (if known) **120401010401, 120401010402, 120401010404**

Drainage area (Square miles, est.) **122** Goal(s) **06000001, 06000010, 06000015**

100-Year Flood Risk Summary

Population at risk **12,814** # of structures **3,634** Critical facilities **34**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **279** Roadway(s) impacted (length) **89**

Number of low water crossings **8** Historical road closures **8**

Estimated Cost and Funding Availability

Total Cost **\$1,110,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Sawdust Road Bridge Elevation Project**

ID# **061000426**

Sponsor (name of entity, not person) **Montgomery (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of study, design, elevation, & replacement of the Sawdust Road Bridge to mitigate the risks associated with riverine flooding for the citizens residing in the Grogan's Point and Timberlakes - Timberridge Subdivisions.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Harris, Montgomery** Watershed HUC# (if known) **120401010402,120401010404,120401020107,120401020210,120401020**

Drainage area (Square miles, est.) **33** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **5,042** # of structures **794** Critical facilities **5**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **15** Roadway(s) impacted (length) **18**

Number of low water crossings **0** Historical road closures **0**

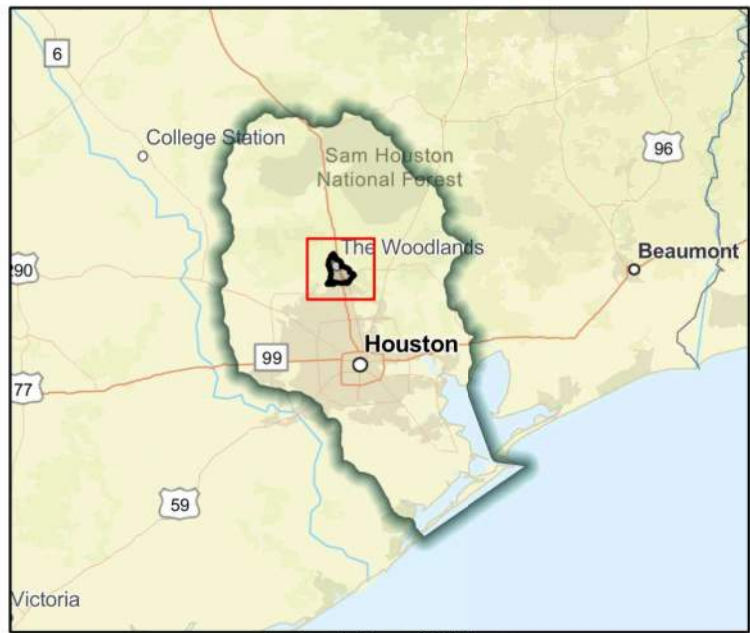
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Shadowbend Drainage Improvements Phase 2**

ID# **061000142**

Sponsor (name of entity, not person) **Friendswood (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of component of 1993 master Drainage Plan Phase 1 to include Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Galveston,Harris** Watershed HUC# (if known) **120402040200,120402040100**

Drainage area (Square miles, est.) **21** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **5,467** # of structures **1,680** Critical facilities **2**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

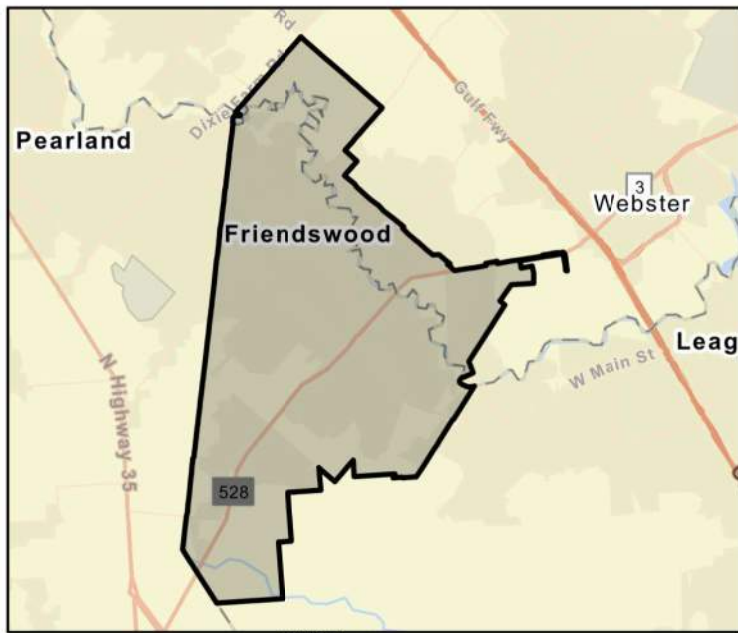
Farm/Ranch land impacted (acres) **18** Roadway(s) impacted (length) **38**

Number of low water crossings **5** Historical road closures **5**

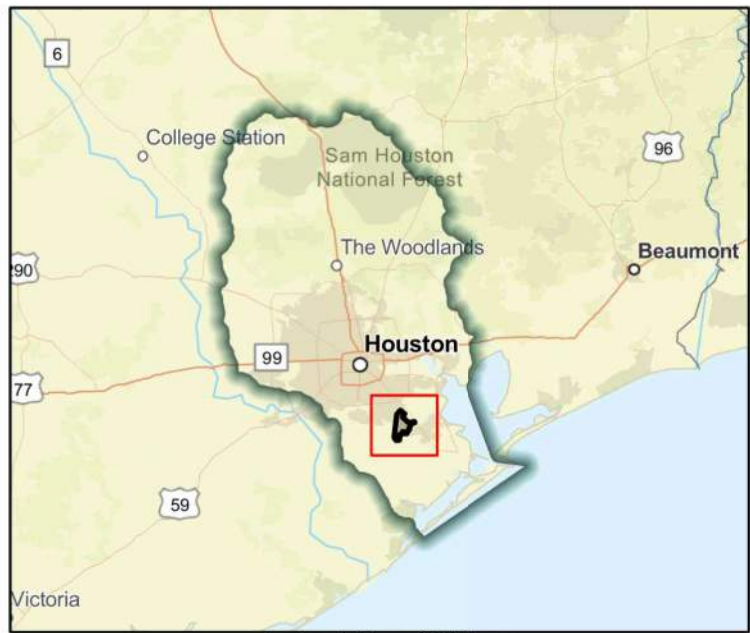
Estimated Cost and Funding Availability

Total Cost **\$950,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **Entity/ Budget Funds**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Shellside Drainage Improvements**

ID# **061000119**

Sponsor (name of entity, not person) **League City (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of proposed drainage improvements to Shellside.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Galveston,Harris** Watershed HUC# (if known) **120402040200,120402040100**

Drainage area (Square miles, est.) **53** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **20,978** # of structures **5,251** Critical facilities **25**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

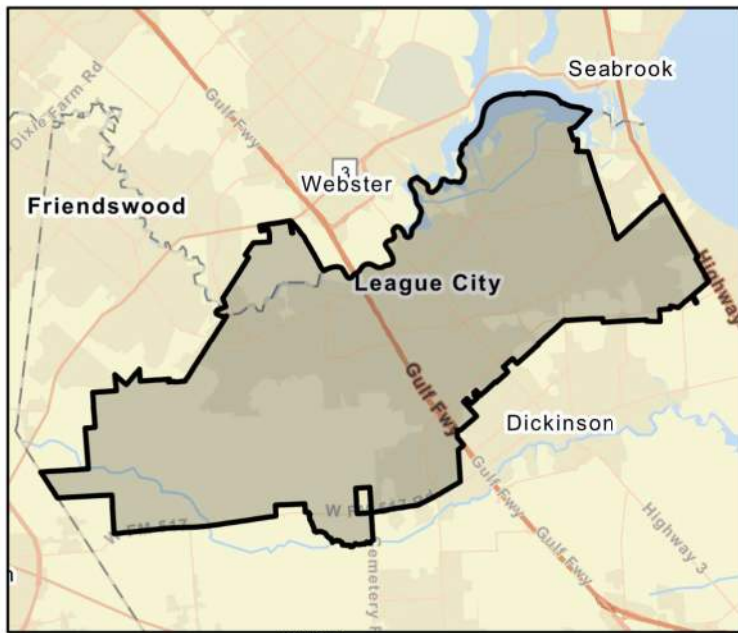
Farm/Ranch land impacted (acres) **1,308** Roadway(s) impacted (length) **105**

Number of low water crossings **2** Historical road closures **2**

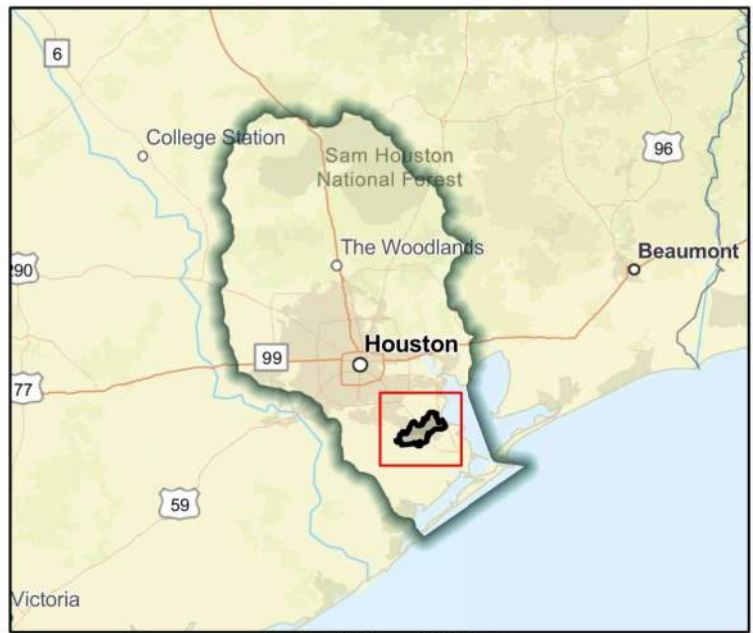
Estimated Cost and Funding Availability

Total Cost **\$580,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Shoreacres Drainage Assessment**

ID# **061000031**

Sponsor (name of entity, not person) **Shoreacres (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further analysis necessary to determine downstream impacts and whether any additional volume in A104-11-00 would be available during a coincident event on Taylor Bayou.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Chambers,Harris** Watershed HUC# (if known) **120402040100**

Drainage area (Square miles, est.) **1** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **2,456** # of structures **801** Critical facilities **3**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **17**

Number of low water crossings **1** Historical road closures **1**

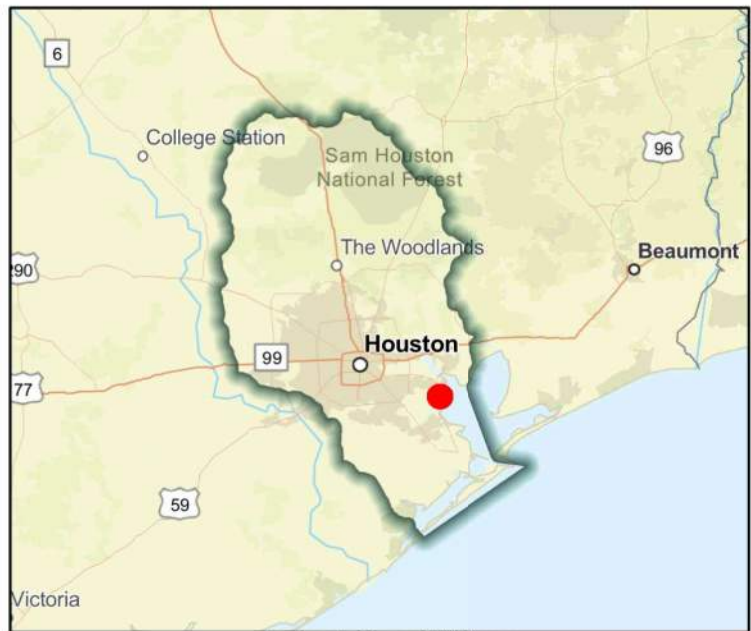
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Sims Bayou C116 Storm Sewer Improvement (C116-00-00-P001) From Mykawa Road to Telephone Road**

ID# **061000364**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a BCR required for this project to become a FMP. To increase the system C116 capacity, Alternative 1 adds capacity to the C116 system trunkline through an additional parallel trunkline, from Dixie Drive to Sims Bayou.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040502**

Drainage area (Square miles, est.) **1** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **0** # of structures **0** Critical facilities **0**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

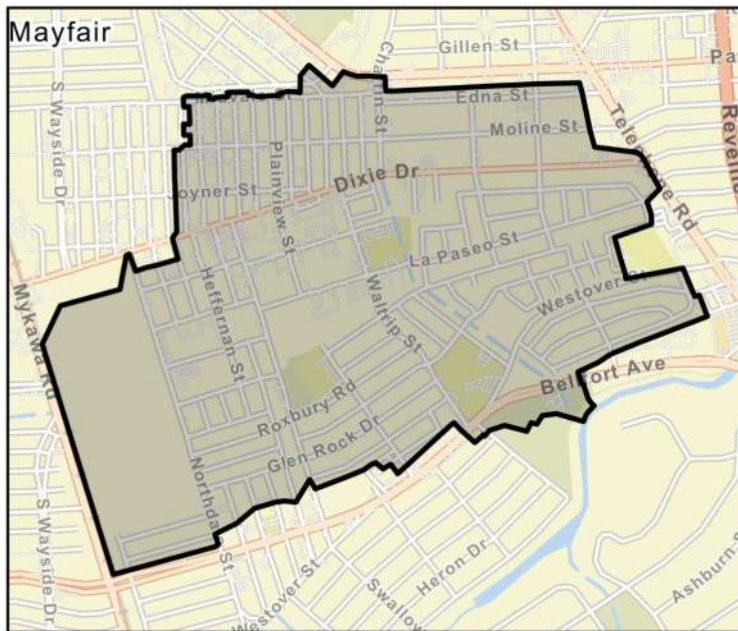
Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **-**

Number of low water crossings **-** Historical road closures **-**

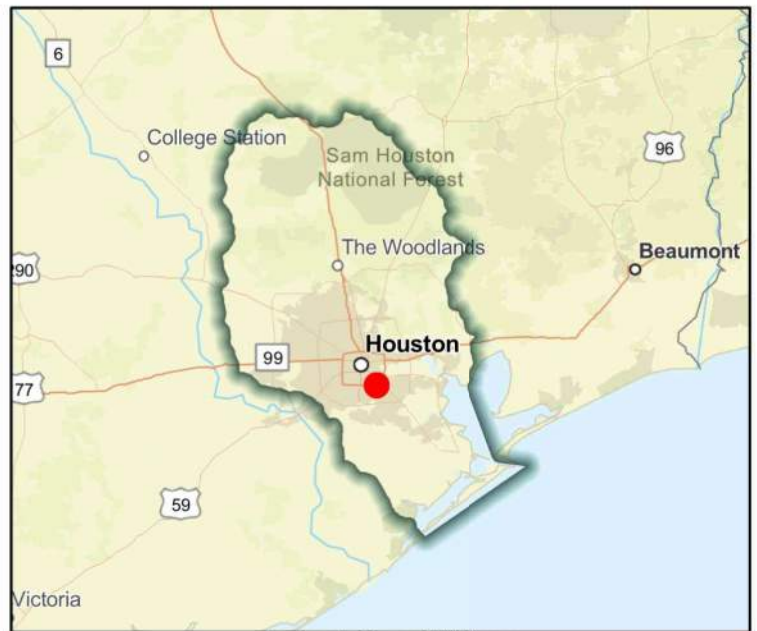
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Sims Bayou Watershed Study**

ID# **061000183**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Watershed wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **Yes** Existing/Anticipated models in near term? **Yes**

County **Fort Bend,Harris** Watershed HUC# (if known) **120401040703,120401040402,120401040502,120401040501,120402040**

Drainage area (Square miles, est.) **93** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **34,907** # of structures **5,858** Critical facilities **74**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

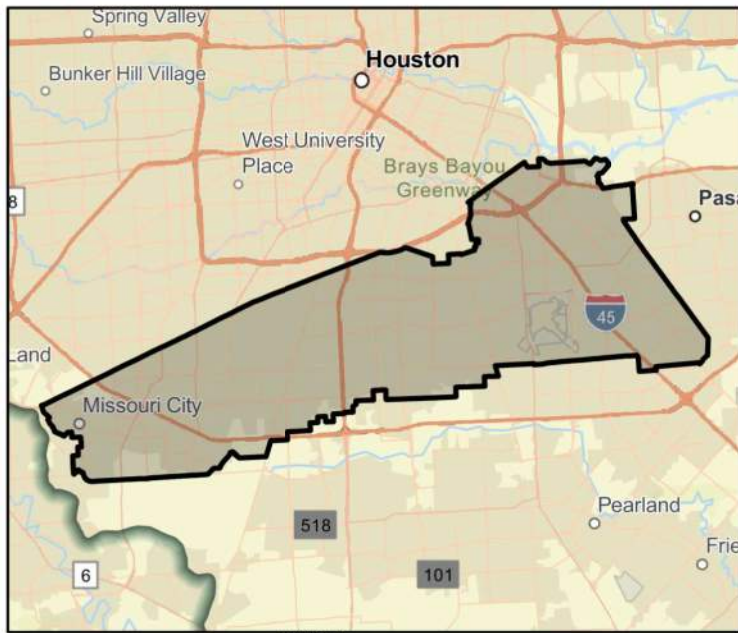
Farm/Ranch land impacted (acres) **51** Roadway(s) impacted (length) **103**

Number of low water crossings **10** Historical road closures **10**

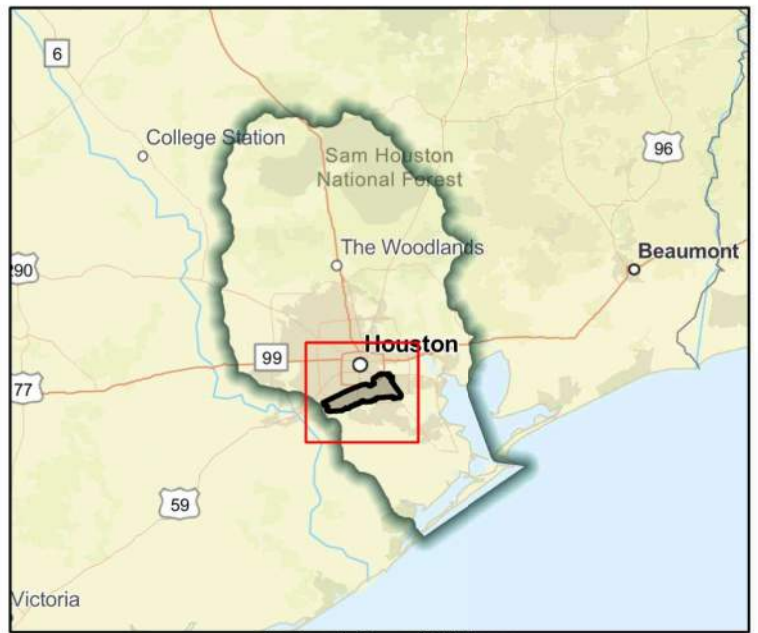
Estimated Cost and Funding Availability

Total Cost **\$470,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **South 3rd - Stewarts Creek Watershed**

ID# **061000458**

Sponsor (name of entity, not person) **Conroe (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Montgomery** Watershed HUC# (if known) **120401010207,120401010403,120401010401,120401010402,120401010**

Drainage area (Square miles, est.) **20** 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? **Yes** Playa? **No** Other? **No**

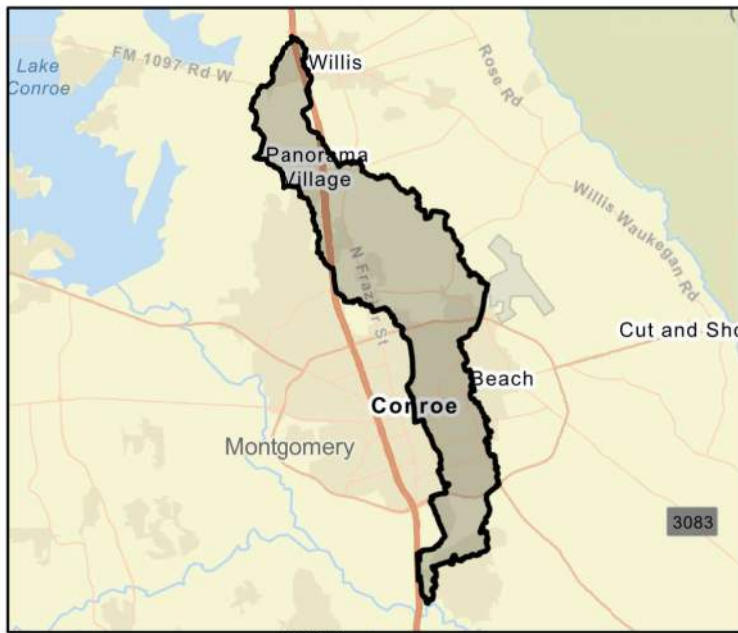
Farm/Ranch land impacted (acres) **7** Roadway(s) impacted (length) **10**

Number of low water crossings **7** Historical road closures **7**

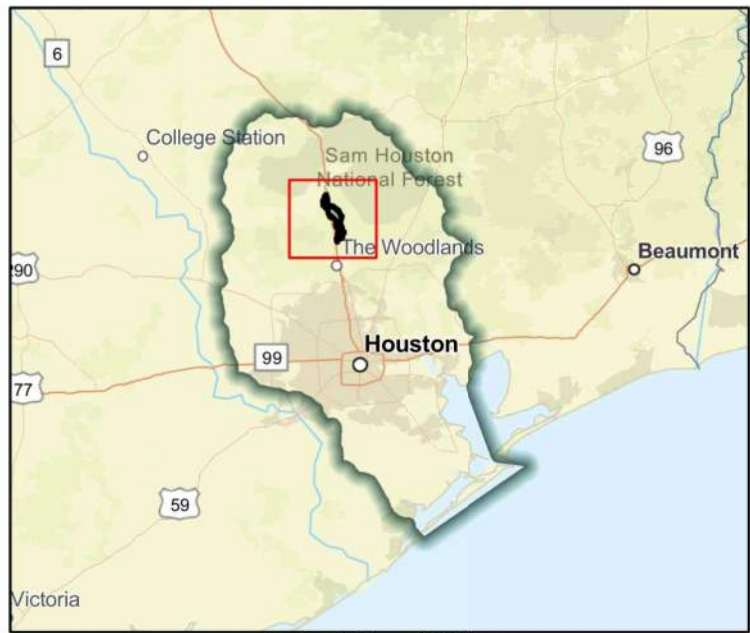
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **South Frazier - Grand Lake Creek Watershed**

ID# **061000451**

Sponsor (name of entity, not person) **Conroe (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Montgomery** Watershed HUC# (if known) **120401010207,120401010401**

Drainage area (Square miles, est.) **4** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **1,873** # of structures **365** Critical facilities **6**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **3** Roadway(s) impacted (length) **7**

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 **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Southeast Montgomery County Master Drainage Plan**

ID# **061000463**

Sponsor (name of entity, not person) **Montgomery (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Montgomery** Watershed HUC# (if known) **120401010403,120401010401,120401010402,120401010501,120401010**

Drainage area (Square miles, est.) **313** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **22,126** # of structures **10,021** Critical facilities **39**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

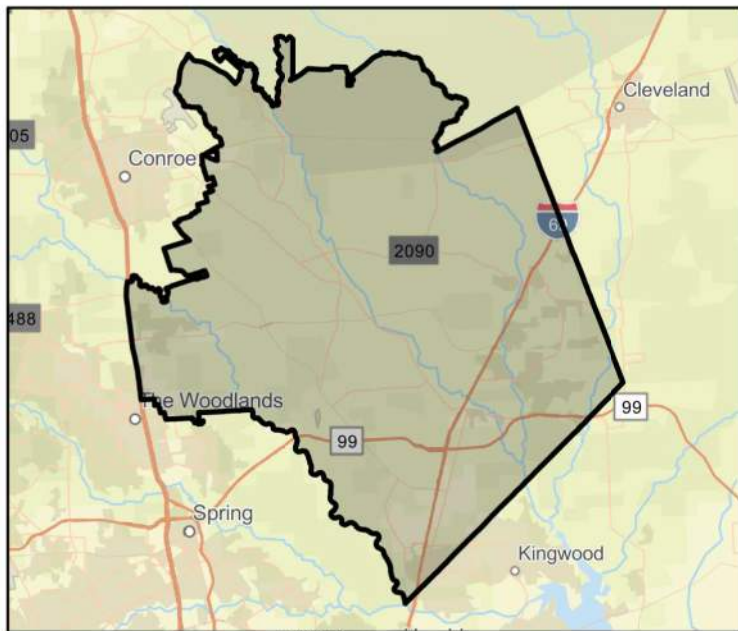
Farm/Ranch land impacted (acres) **297** Roadway(s) impacted (length) **213**

Number of low water crossings **17** Historical road closures **17**

Estimated Cost and Funding Availability

Total Cost **\$1,170,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Southern Oak - Little Laney Creek**

ID# **061000460**

Sponsor (name of entity, not person) **Conroe (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Montgomery** Watershed HUC# (if known) **120401010403,120401010401,120401010402**

Drainage area (Square miles, est.) **9** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **571** # of structures **271** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **4** Roadway(s) impacted (length) **7**

Number of low water crossings **0** Historical road closures **0**

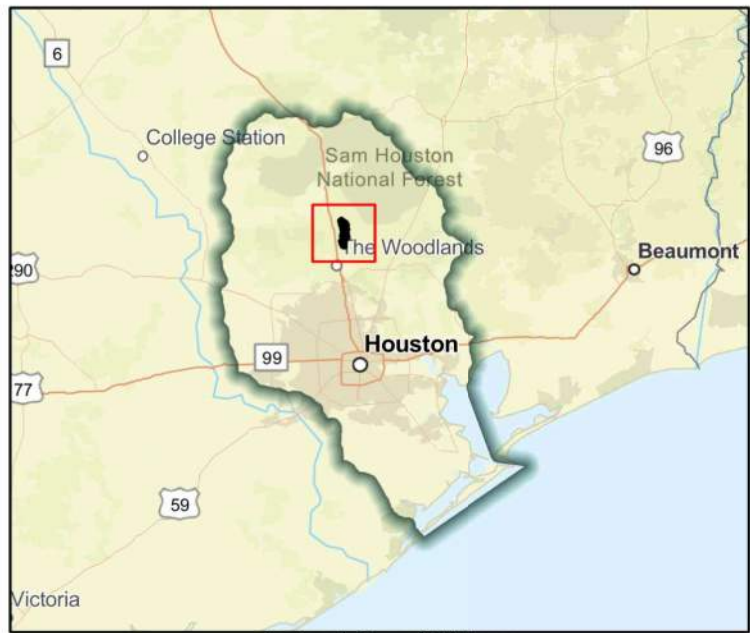
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Southwood Forest Subdivision and Forgotten Forest Subdivision Evaluation

ID# 061000141

Sponsor (name of entity, not person) Walker (County)

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a community-wide drainage system in Southwood Forest Subdivision and Forgotten Forest Subdivision.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Walker

Watershed HUC# (if known) 120401010202

Drainage area (Square miles, est.) 0

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 5

of structures 13

Critical facilities 0

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) -

Roadway(s) impacted (length) -

Number of low water crossings -

Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$110,000

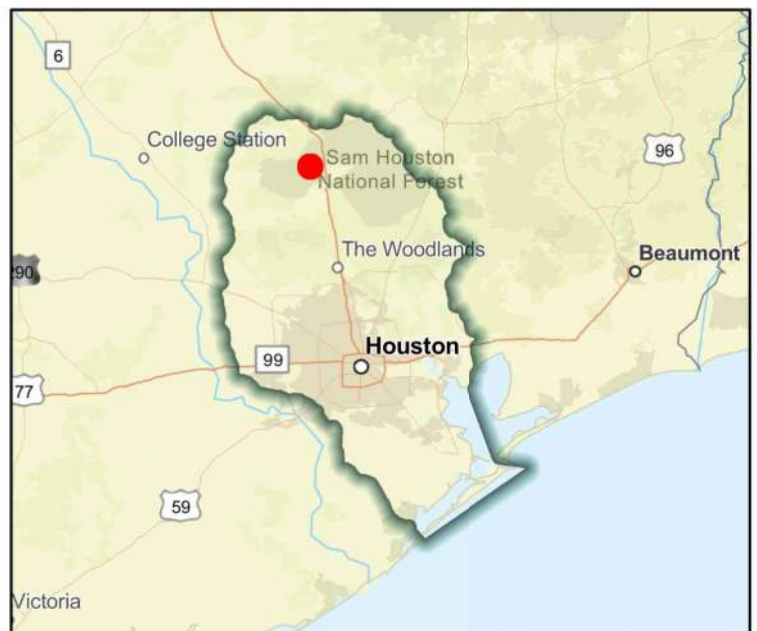
Amount of Available Funding -

Federal funding availability Yes

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Spanish Cove Subdivision Drainage Assessment**

ID# **061000029**

Sponsor (name of entity, not person) **Harris (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Additional analysis needed to confirm no negative effects. It is expected the larger channel can safely convey the increase in flows, but this must be demonstrated during the project design phase.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401010502,120401040704**

Drainage area (Square miles, est.) **1** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk - # of structures - Critical facilities -

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) - Roadway(s) impacted (length) -

Number of low water crossings - Historical road closures -

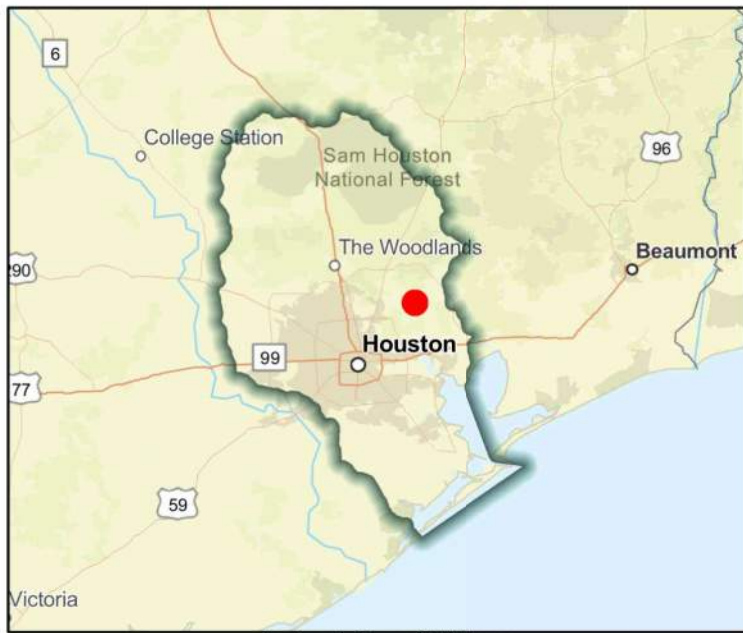
Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding - Federal funding availability **Yes**

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Spring Creek - Construction of a Reservoir along Spring Creek**

ID# **061000191**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study for design and construction of a future flood control dam and reservoir in the Spring Creek watershed.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris,Waller,Montgomery,Grimes** Watershed HUC# (if known) **120401040103,120401040104,120401040303,120401040401**

Drainage area (Square miles, est.) **384** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **23,627** # of structures **4,191** Critical facilities **44**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

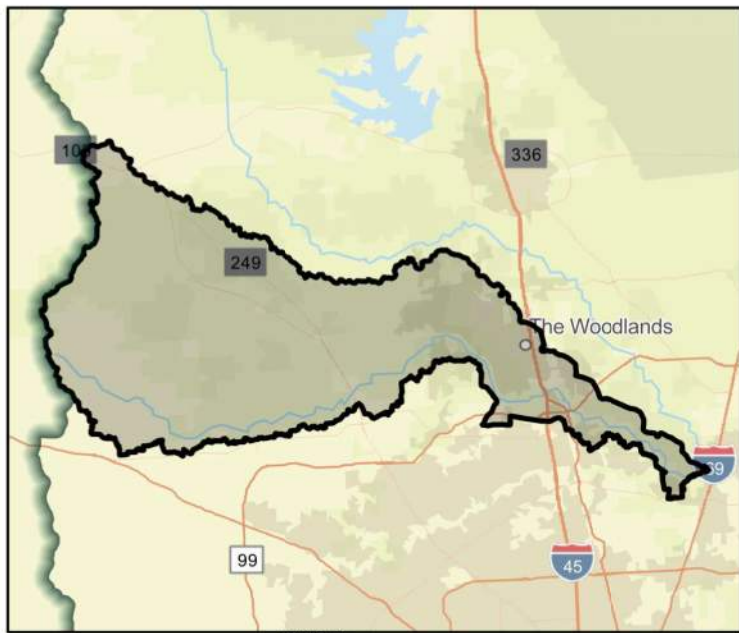
Farm/Ranch land impacted (acres) **232** Roadway(s) impacted (length) **106**

Number of low water crossings **27** Historical road closures **27**

Estimated Cost and Funding Availability

Total Cost **\$870,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Spring Creek Watershed Plan- Recommended Alternative for PA-02: J131-01-00 Storm Sewer improvements & channel modification**

ID# **061000337**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a BCR required for this project to become a FMP. Channel modifications along J131-01 & storm sewer improvements under Zion Road, reduces sheetflow by providing positive drainage outfall for ~200 ac of land.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401020209**

Drainage area (Square miles, est.) **0** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **7** # of structures **6** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **0**

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 **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Spring Gully Watershed Planning Project - Near-term planning project: PA05

ID# 061000172

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Planning-level study needed. A stormwater detention basin near confluence of O207-00-00 and O207-01-00 required to lower WSEI. Reduced flow rates only after relief channel in Phase III implemented.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris Watershed HUC# (if known) 120401040705,120401040706,120401040704,120402030105,120402030

Drainage area (Square miles, est.) 35 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 9,371 # of structures 1,883 Critical facilities 64

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

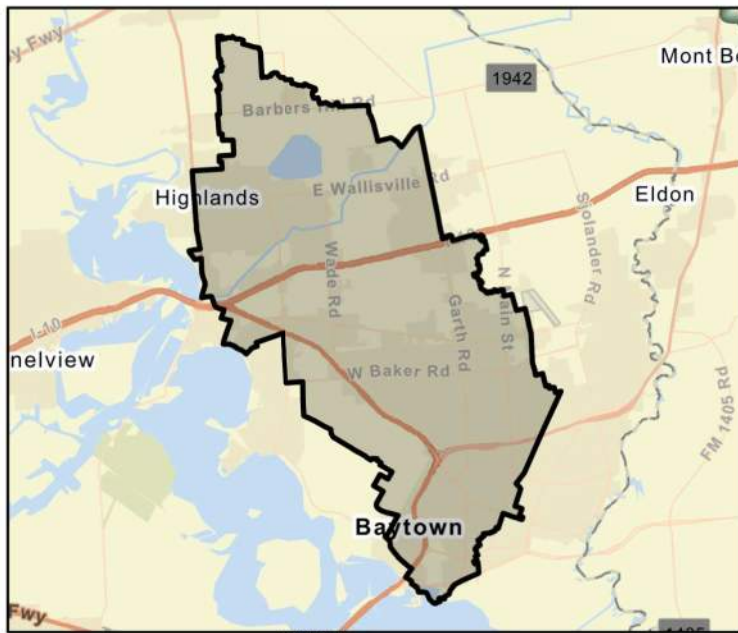
Farm/Ranch land impacted (acres) 73 Roadway(s) impacted (length) 33

Number of low water crossings 1 Historical road closures 1

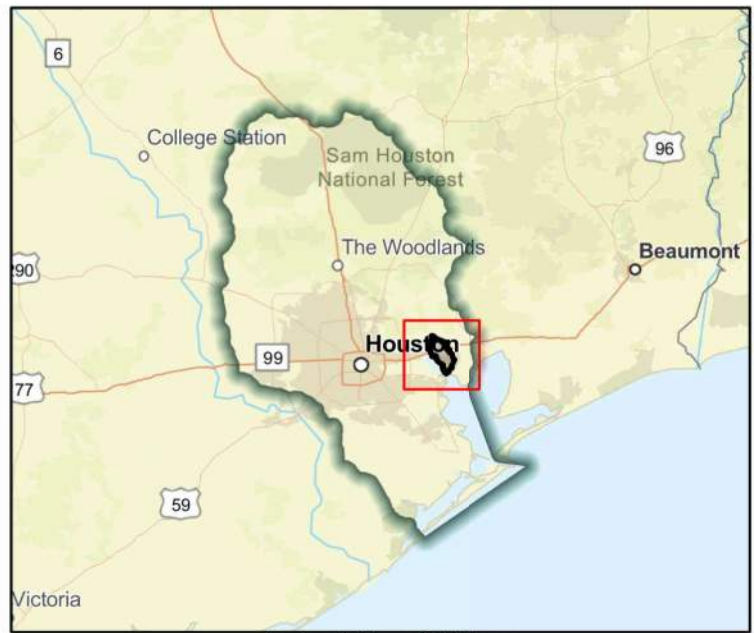
Estimated Cost and Funding Availability

Total Cost \$170,000 Amount of Available Funding - Federal funding availability Yes

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Spring Gully Watershed Planning Project Near-Term Planning Project: PA03
 ID# 061000170
 Sponsor (name of entity, not person) Harris County Flood Control District
 RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

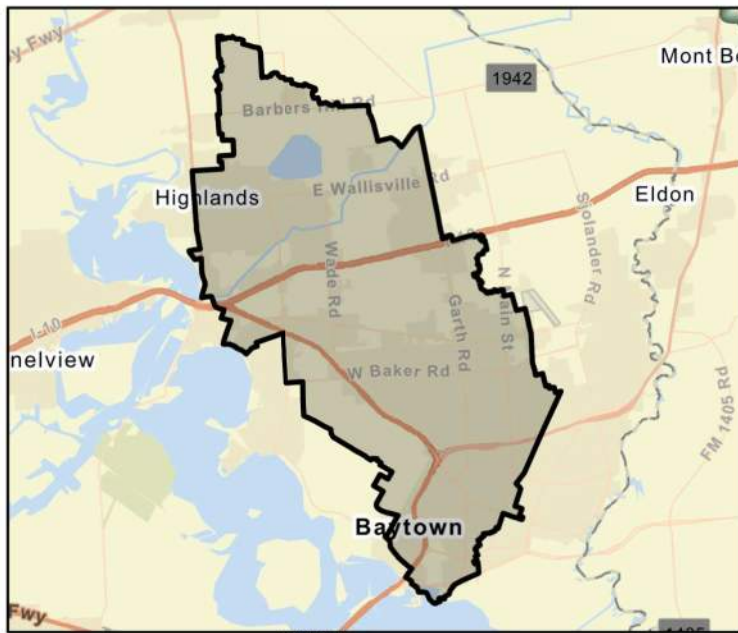
Study type Project Planning
 Study description Planning-level study needed. PA03 warranted a near-term solution. Flooded structures centralized in a short reach along the main stem O200-00-00 which the best strategy for the area was buyouts.
 New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes
 County Harris Watershed HUC# (if known) 120401040705,120401040706,120401040704,120402030105,120402030
 Drainage area (Square miles, est.) 35 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

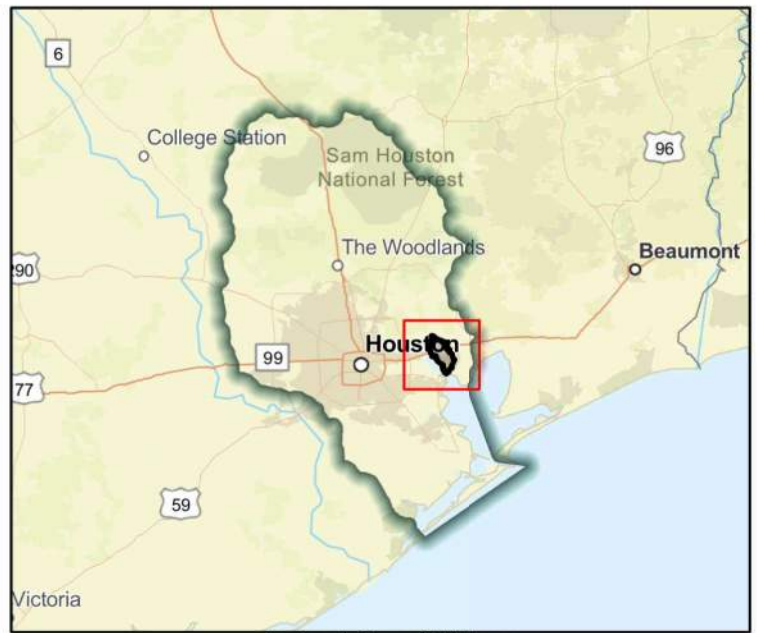
Population at risk 9,371 # of structures 1,883 Critical facilities 64
 Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No
 Farm/Ranch land impacted (acres) 73 Roadway(s) impacted (length) 33
 Number of low water crossings 1 Historical road closures 1

Estimated Cost and Funding Availability

Total Cost \$600,000 Amount of Available Funding - Federal funding availability Yes
 Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Spring Gully Watershed Planning Project- Near-term Planning Project: PA04
 ID# 061000171
 Sponsor (name of entity, not person) Harris County Flood Control District
 RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

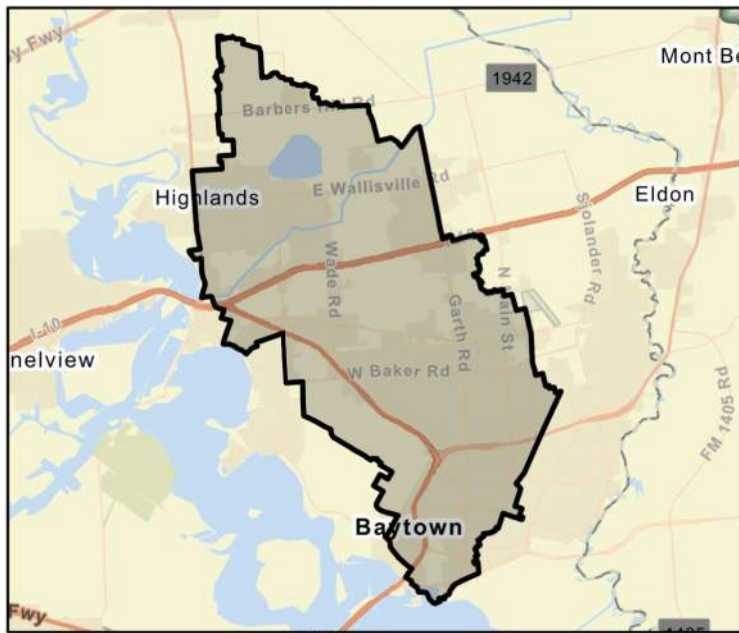
Study type Project Planning
 Study description Planning-level study. Lowering WSEL in O203-00-00 to around 29 feet MSL. Most benefit when O203-00-00 and Thompson Road Storm drain system upsized, but Thompson road storm drain design.
 New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes
 County Harris Watershed HUC# (if known) 120401040705,120401040706,120401040704,120402030105,120402030
 Drainage area (Square miles, est.) 35 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

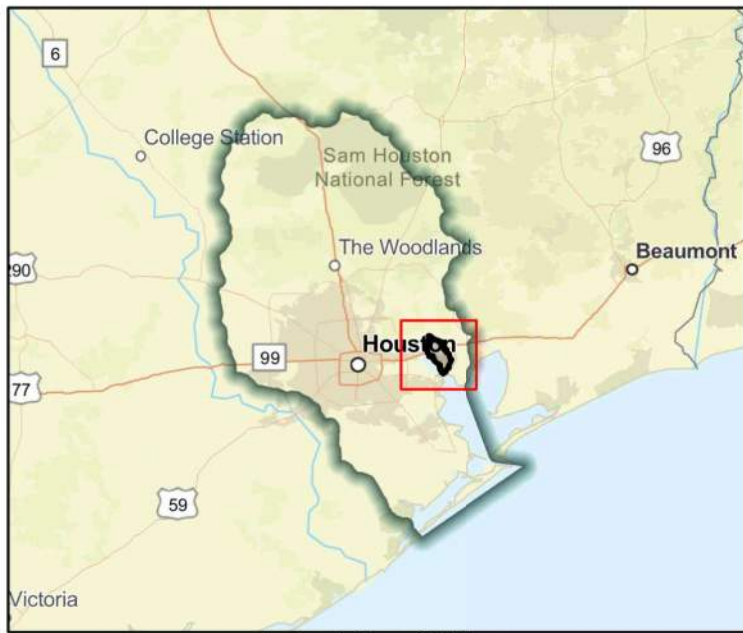
Population at risk 9,371 # of structures 1,883 Critical facilities 64
 Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No
 Farm/Ranch land impacted (acres) 73 Roadway(s) impacted (length) 33
 Number of low water crossings 1 Historical road closures 1

Estimated Cost and Funding Availability

Total Cost \$210,000 Amount of Available Funding - Federal funding availability Yes
 Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Spring Gully Watershed Planning Project- Project Phase I**

ID# **061000345**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop BCA to become FMP. 108 ac-ft of detention storage. Basin A w/ 95 ac-ft of storage, 10 ft depth, inlet & outlet structures consist of 2 culverts & weir. Basin B w/ 13 ac-ft of storage, 10.5 ft depth, inlet & outlet structures of culvert & weir.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040705**

Drainage area (Square miles, est.) **3** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **917** # of structures **346** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

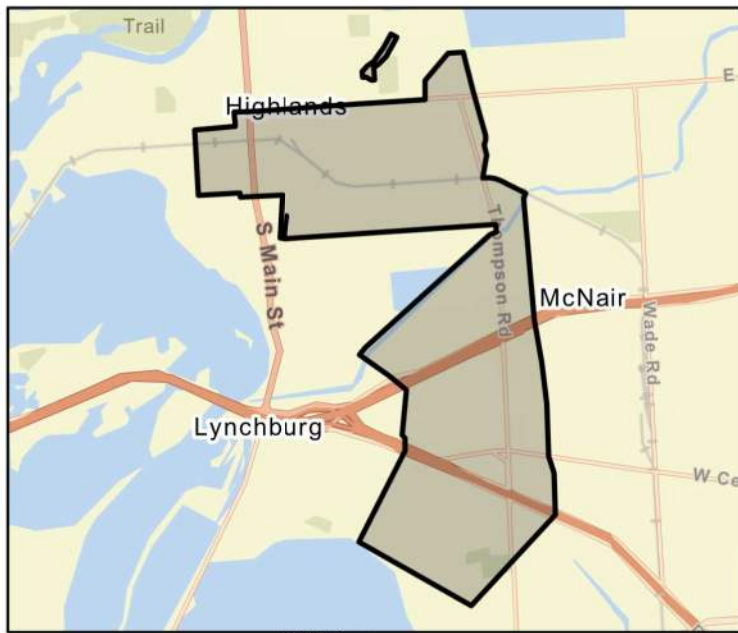
Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **2**

Number of low water crossings **0** Historical road closures **0**

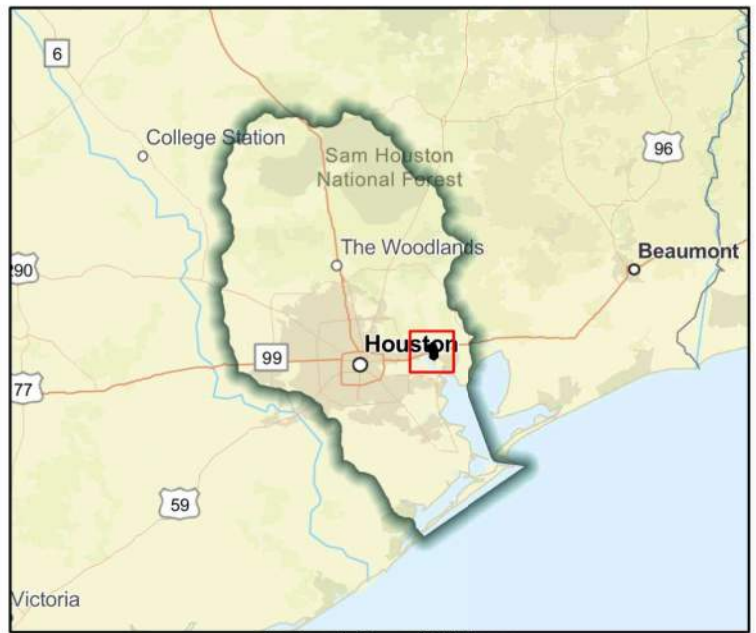
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Spring Gully Watershed Planning Project- Project Phase II**

ID# **061000346**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop BCA to become a FMP. Independent of Phase I. Phase II includes addition of Stormwater Detention Basin C, with 80 acre-feet of detention storage w/ 9.5 ft depth & an inlet and outlet structure consisting of a culvert & a weir.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040705**

Drainage area (Square miles, est.) **3** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **917** # of structures **346** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

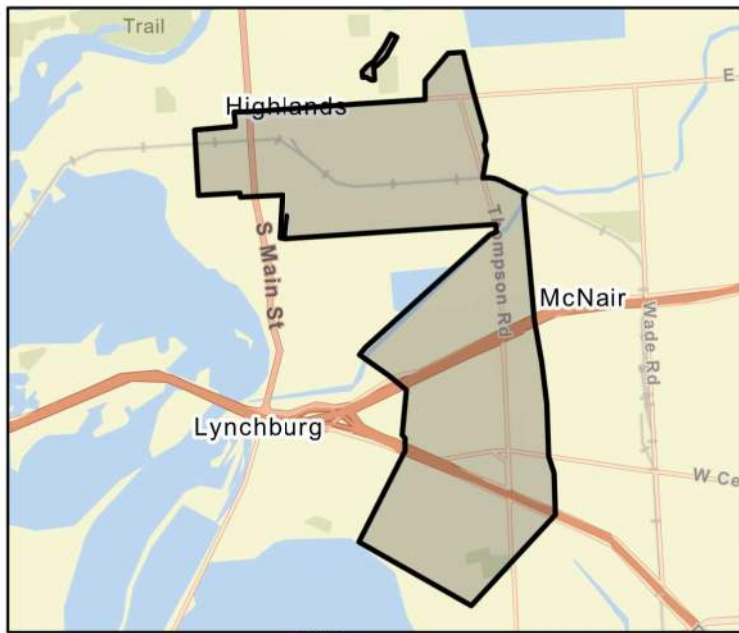
Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **2**

Number of low water crossings **0** Historical road closures **0**

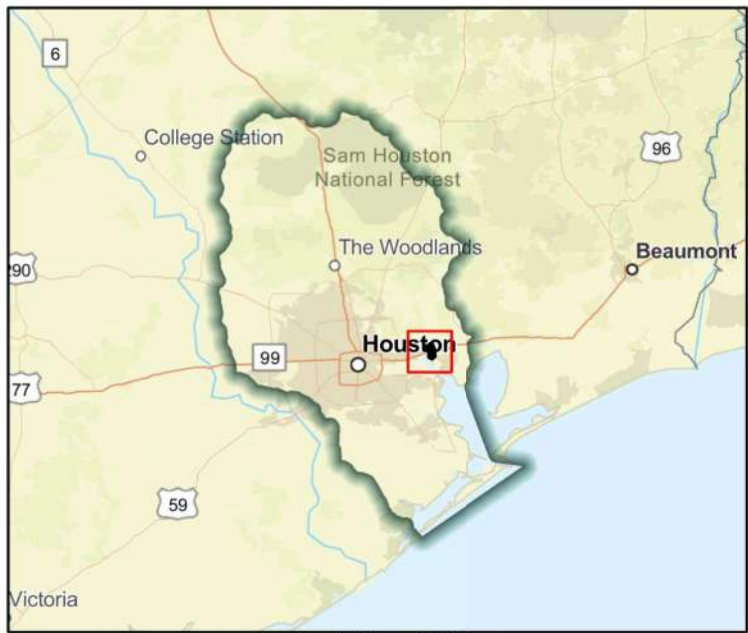
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Spring Gully Watershed Planning Project- Project Phase III**

ID# **061000347**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Complete after phase 2. Relief channel intended to outfall into Stormwater Detention Basin C from Phase 2. Consists of trapezoidal 850-foot channel with cross culvert sized at Prairie Street. Upstream of the culvert crossing, the bottom width is 8 ft.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040705**

Drainage area (Square miles, est.) **3** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **917** # of structures **346** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

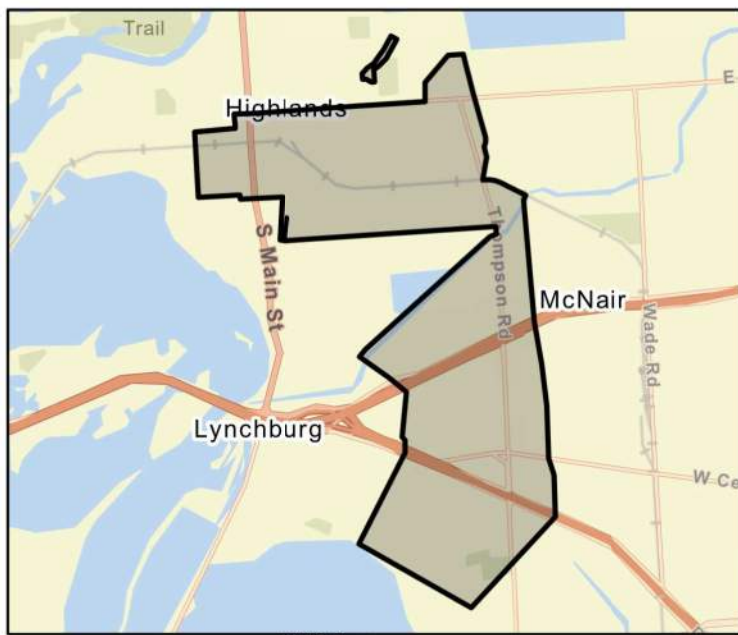
Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **2**

Number of low water crossings **0** Historical road closures **0**

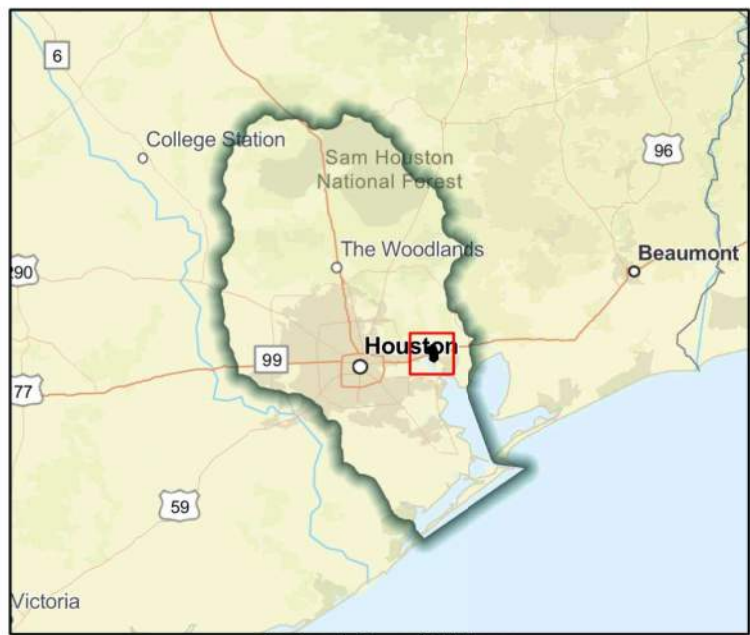
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Spring Shadows South**

ID# **061000433**

Sponsor (name of entity, not person) **Houston (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed to elevate project to a FMP. FIF application information unavailable.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040302,120401040303**

Drainage area (Square miles, est.) **6** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **4,553** # of structures **1,006** Critical facilities **6**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

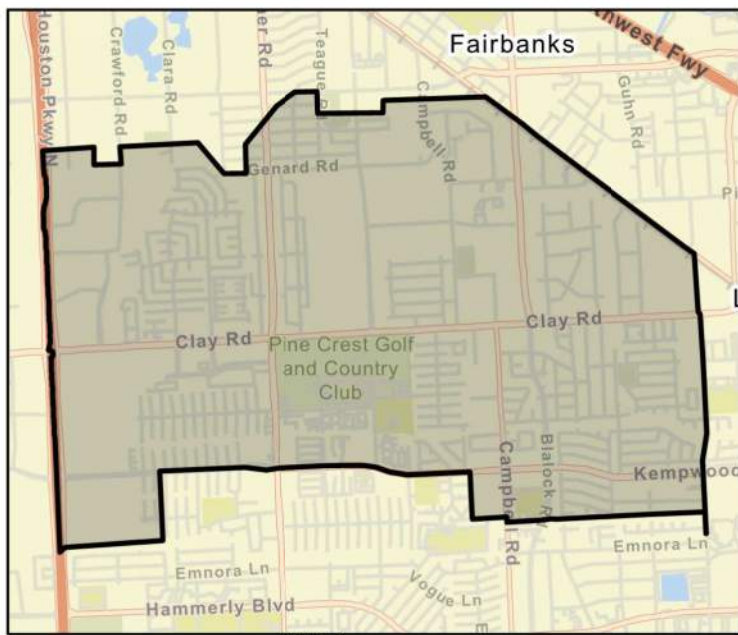
Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **12**

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 **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Storm water detention ponds & Widening of drainage systems feasibility study**

ID# **061000107**

Sponsor (name of entity, not person) **Galveston (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study of area to identify problem areas and recommend flood mitigation alternatives that consider detention ponds & widening drainage systems.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Galveston** Watershed HUC# (if known) **120402040300,120402040200,120402040400,120402040100**

Drainage area (Square miles, est.) **665** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **171,395** # of structures **48,570** Critical facilities **681**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **3,412** Roadway(s) impacted (length) **910**

Number of low water crossings **30** Historical road closures **30**

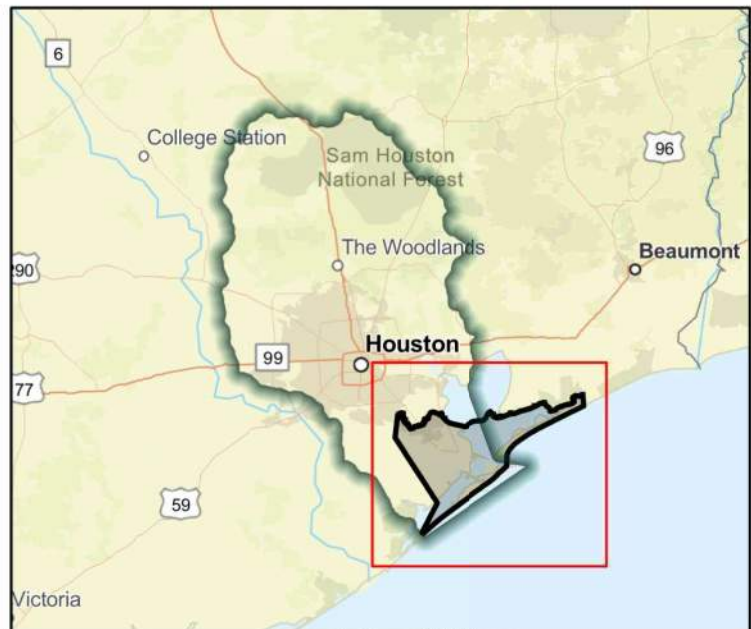
Estimated Cost and Funding Availability

Total Cost **\$11,000,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Storm Water Detention Ponds Evaluation in the City of Santa Fe**

ID# **061000164**

Sponsor (name of entity, not person) **Santa Fe (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study to determine detention ponds/basin could be solution for addressing flood impacts.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Galveston** Watershed HUC# (if known) **120402040300,120402040200**

Drainage area (Square miles, est.) **17** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **798** # of structures **400** Critical facilities **1**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

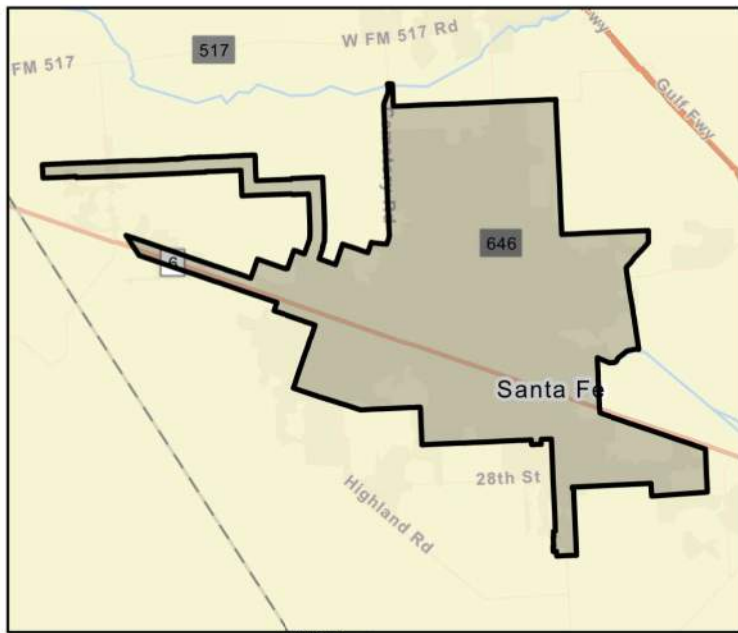
Farm/Ranch land impacted (acres) **12** Roadway(s) impacted (length) **4**

Number of low water crossings **9** Historical road closures **9**

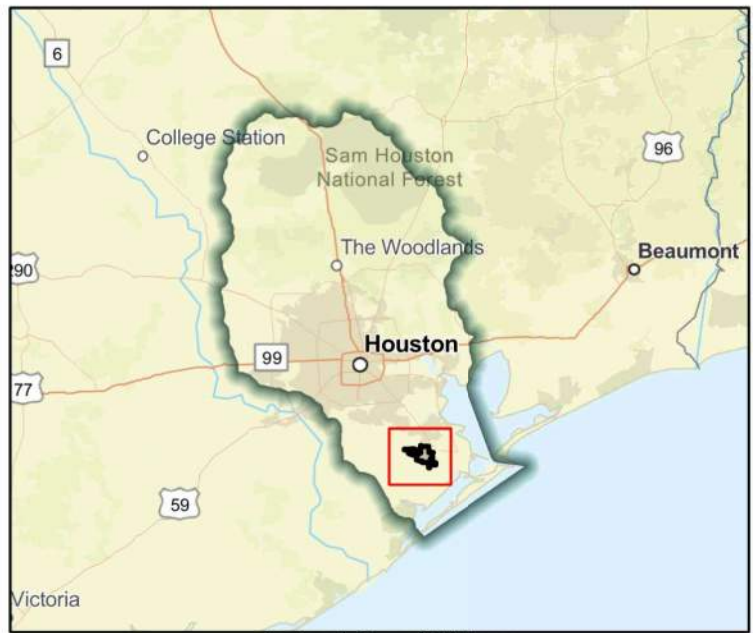
Estimated Cost and Funding Availability

Total Cost **\$380,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Stormwater Drainage Improvement- Bradshaw Rd**

ID# **061000118**

Sponsor (name of entity, not person) **League City (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of proposed slope paving (concrete lining) improvements. Southwest from SH 3 to the north line of CCISD's Elem. School #25. Pending Funding.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Galveston,Harris** Watershed HUC# (if known) **120402040200,120402040100**

Drainage area (Square miles, est.) **53** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **20,978** # of structures **5,251** Critical facilities **25**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

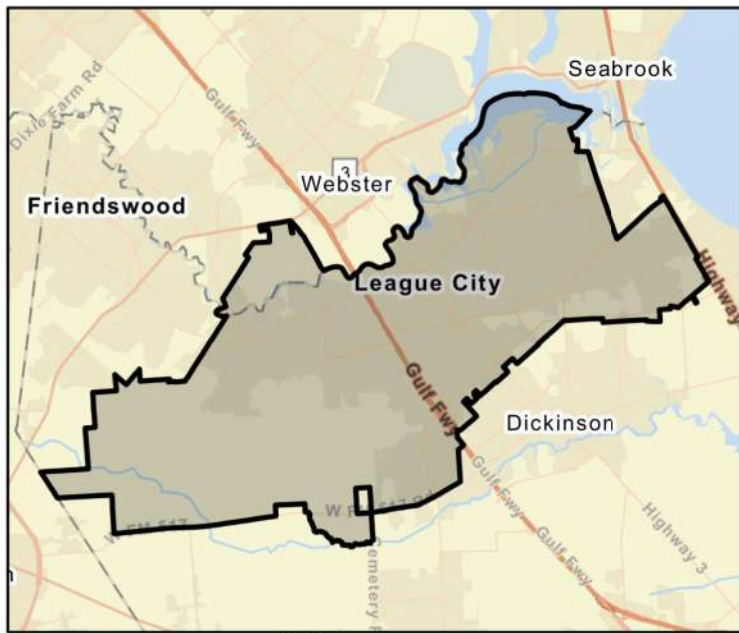
Farm/Ranch land impacted (acres) **1,308** Roadway(s) impacted (length) **105**

Number of low water crossings **2** Historical road closures **2**

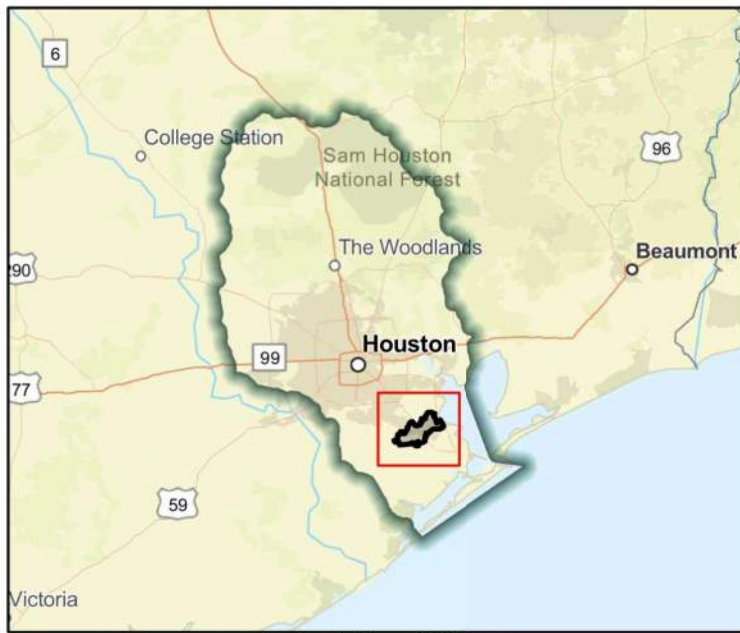
Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Stormwater Drainage Improvement- Nottingham ditch**

ID# **061000115**

Sponsor (name of entity, not person) **League City (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of proposed slope paving (concrete lining) improvements. Still in planning, consultant hired. Design complete and pending construction funding.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Galveston,Harris** Watershed HUC# (if known) **120402040200,120402040100**

Drainage area (Square miles, est.) **53** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **20,978** # of structures **5,251** Critical facilities **25**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **1,308** Roadway(s) impacted (length) **105**

Number of low water crossings **2** Historical road closures **2**

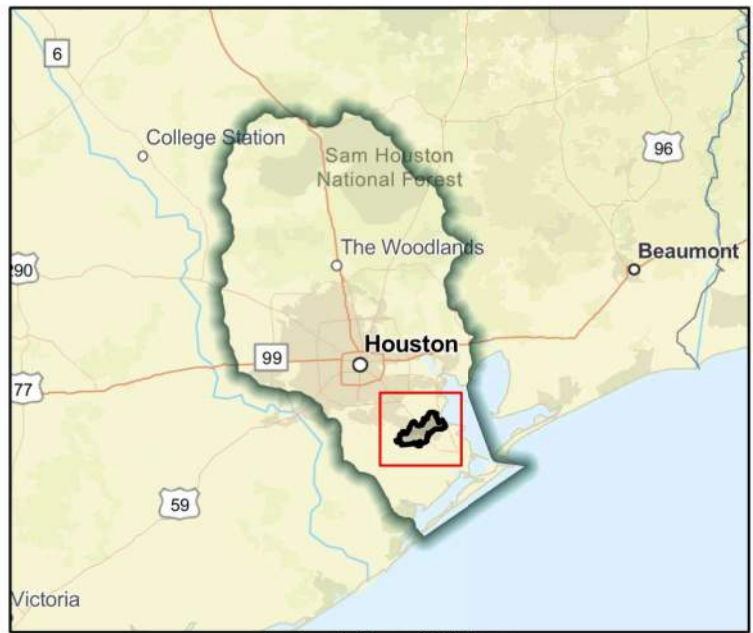
Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Stream and River Flood Program**

ID# **061000082**

Sponsor (name of entity, not person) **Waller (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Preparedness**

Study description **Conduct a flood mitigation outreach program using information from the river and stream flood study to increase awareness of specific riverine flooding problems and provide guidance on mitigation in affected communities.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Waller** Watershed HUC# (if known) **120401020102,120401020103,120401020204,120401020101,120401020**

Drainage area (Square miles, est.) **516** Goal(s) **06000001,06000007,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **2,410** # of structures **1,067** Critical facilities **6**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

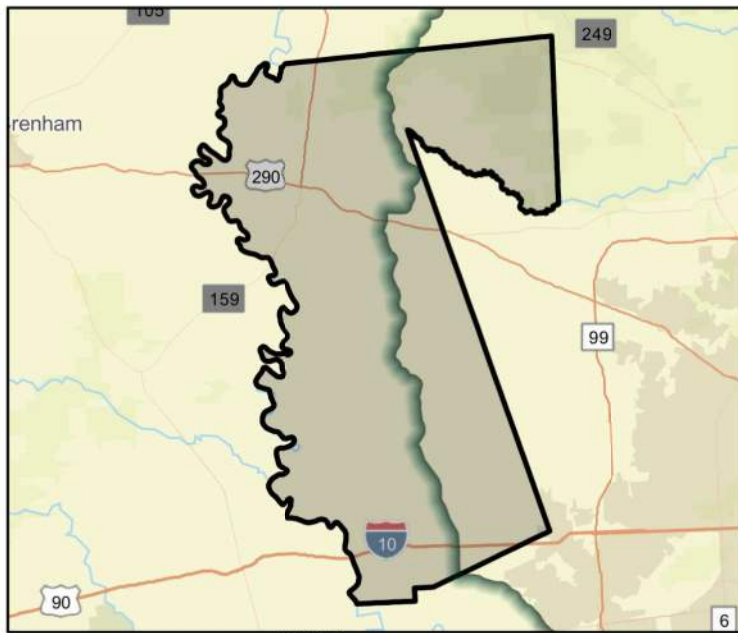
Farm/Ranch land impacted (acres) **1,357** Roadway(s) impacted (length) **41**

Number of low water crossings **19** Historical road closures **19**

Estimated Cost and Funding Availability

Total Cost **\$20,000** Amount of Available Funding **10000** Federal funding availability **Yes**

Funding source **General Revenue**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Study of Texas City Hurricane Flood Protection Project**

ID# **061000098**

Sponsor (name of entity, not person) **Galveston (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Corp of Engineers study of the Texas City Hurricane Flood Protection Project to improve the current levee system to provide protection from category 5 storm.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Galveston** Watershed HUC# (if known) **120402040300,120402040200,120402040400,120402040100**

Drainage area (Square miles, est.) **665** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **171,395** # of structures **48,570** Critical facilities **681**

Flood risk type: Riverine? **No** Coastal? **Yes** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **3,412** Roadway(s) impacted (length) **910**

Number of low water crossings **30** Historical road closures **30**

Estimated Cost and Funding Availability

Total Cost **\$1,590,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Sunmeadow Drainage Improvements Phase 2**

ID# **061000104**

Sponsor (name of entity, not person) **Friendswood (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of component of 1993 master Drainage Plan Phase 1. Initial phase of project completed in 2005. Upsizing storm sewer system to reduce potential flooding. Include Atlas 14 rainfalls.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Liberty** Watershed HUC# (if known) **120401030402**

Drainage area (Square miles, est.) **4** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **589** # of structures **363** Critical facilities **1**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

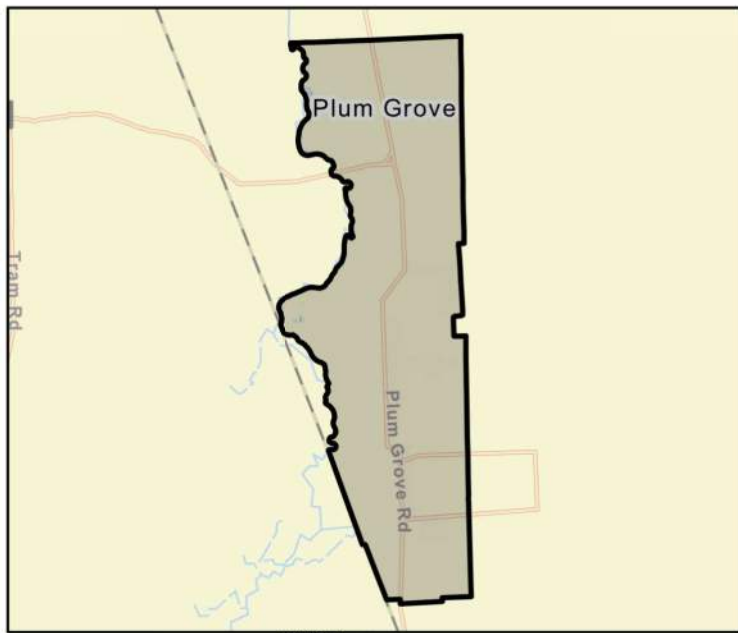
Farm/Ranch land impacted (acres) **9** Roadway(s) impacted (length) **9**

Number of low water crossings **0** Historical road closures **0**

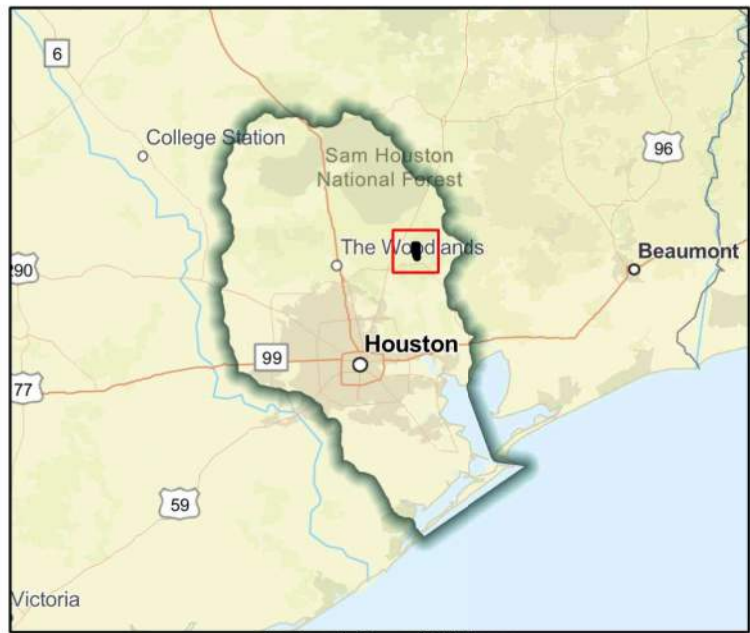
Estimated Cost and Funding Availability

Total Cost **\$160,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **TC Jester Detention Basin**

ID# **061000353**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of a 25 acre stormwater detention basin. Estimated construction cost is \$10,047,910. This application is requesting \$10,000,000.00 of these funds.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401020106,120401020107,120401020210,120401020212,120401020**

Drainage area (Square miles, est.) **93** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **18,540** # of structures **2,995** Critical facilities **53**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

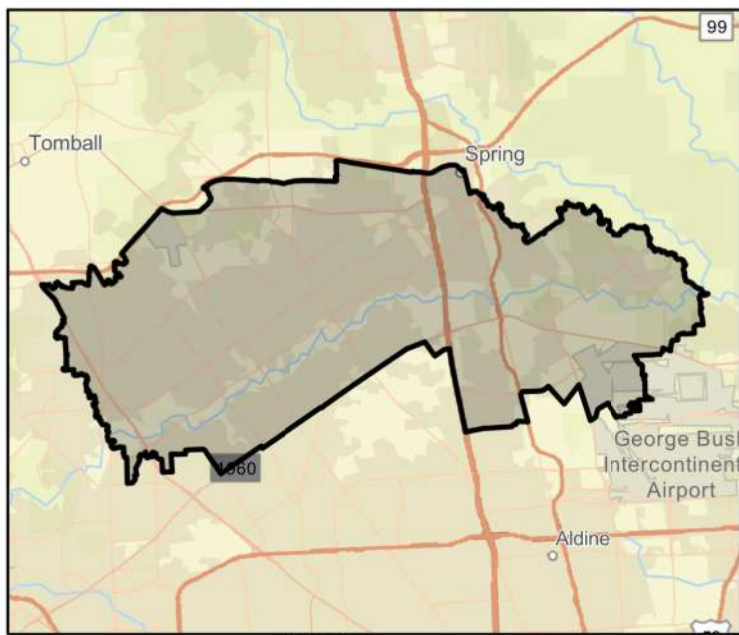
Farm/Ranch land impacted (acres) **44** Roadway(s) impacted (length) **60**

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 **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Toby - Little Caney Creek Watershed**

ID# **061000459**

Sponsor (name of entity, not person) **Conroe (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Montgomery** Watershed HUC# (if known) **120401010403,120401010401,120401010402**

Drainage area (Square miles, est.) **9** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **571** # of structures **271** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **4** Roadway(s) impacted (length) **7**

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 **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Town of Woodloch Master Drainage Plan**

ID# **061000300**

Sponsor (name of entity, not person) **Woodloch (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Montgomery** Watershed HUC# (if known) **120401010402**

Drainage area (Square miles, est.) **0** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **233** # of structures **85** Critical facilities **0**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **1**

Number of low water crossings **-** Historical road closures **-**

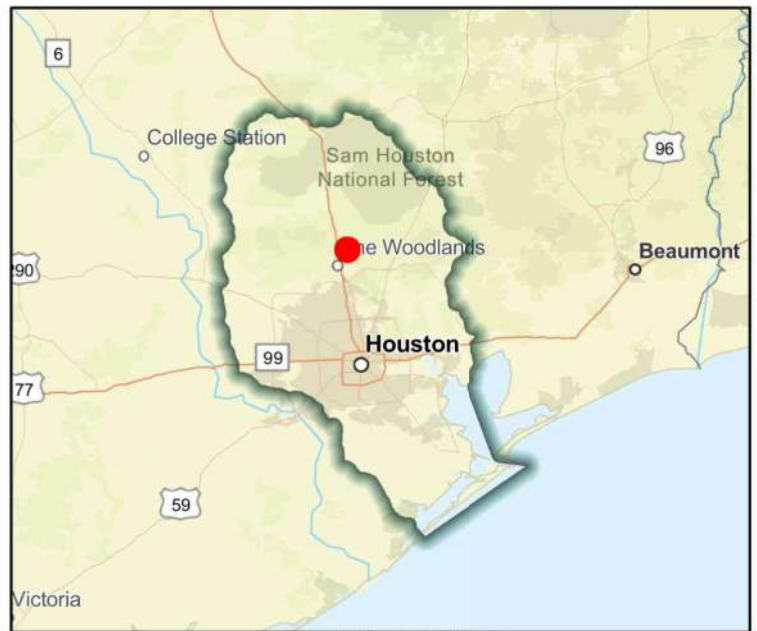
Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Unincorporated Areas of Bacliff and San Leon Roadside Ditches & Driveway Culverts Improvements**

ID# **061000436**

Sponsor (name of entity, not person) **Galveston (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**
 Study description **Further study of this unfunded CDBG-MIT project consists of various areas of roadside ditch and driveway culvert improvements in Bacliff and San Leon.**

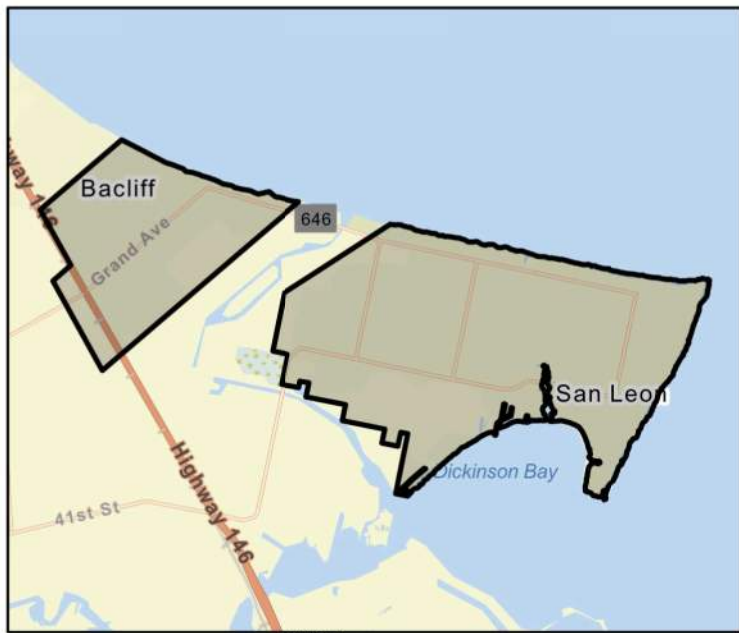
New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**
 County **Galveston,Chambers** Watershed HUC# (if known) **120402040200**
 Drainage area (Square miles, est.) **7** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

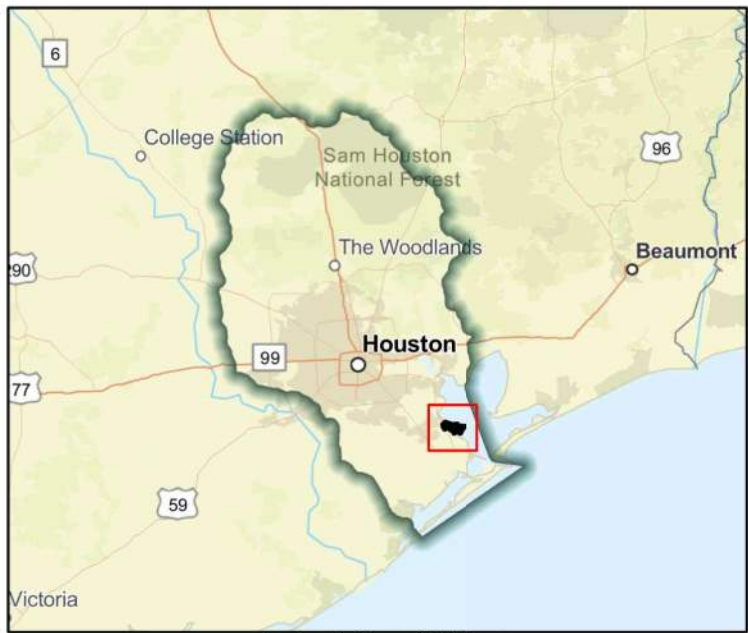
Population at risk **5,906** # of structures **3,337** Critical facilities **5**
 Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**
 Farm/Ranch land impacted (acres) **49** Roadway(s) impacted (length) **50**
 Number of low water crossings **0** Historical road closures **0**

Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**
 Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Update City of Friendswood Storm Surge Maps to Reflect the NWS Predictions

ID# 061000089

Sponsor (name of entity, not person) Friendswood (Municipality)

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Watershed Planning

Study description Study to update city storm surge maps based upon the NWS predicted storm surge and projected track for landfall. The new maps may more accurately display water depth in areas within the city.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Galveston,Harris

Watershed HUC# (if known) 120402040200,120402040100

Drainage area (Square miles, est.) 21

Goal(s) 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk 5,467

of structures 1,680

Critical facilities 2

Flood risk type: Riverine? No

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 18

Roadway(s) impacted (length) 38

Number of low water crossings 5

Historical road closures 5

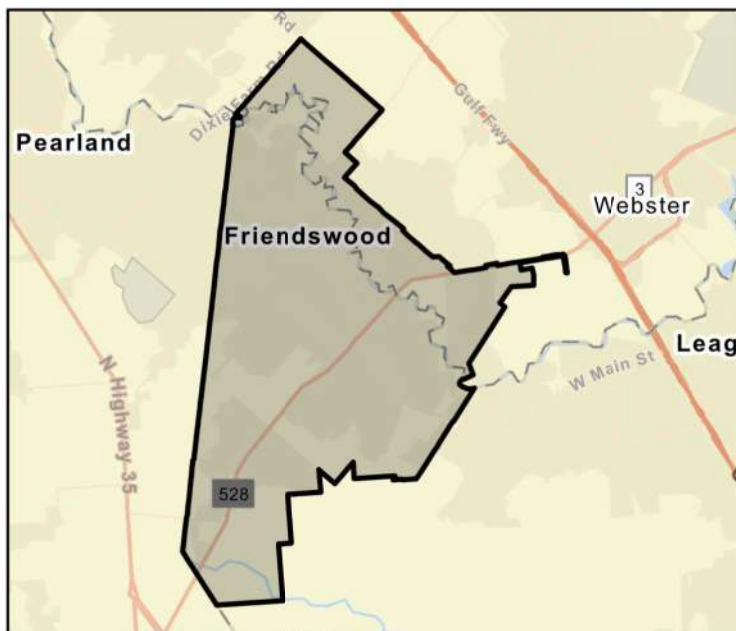
Estimated Cost and Funding Availability

Total Cost \$140,000

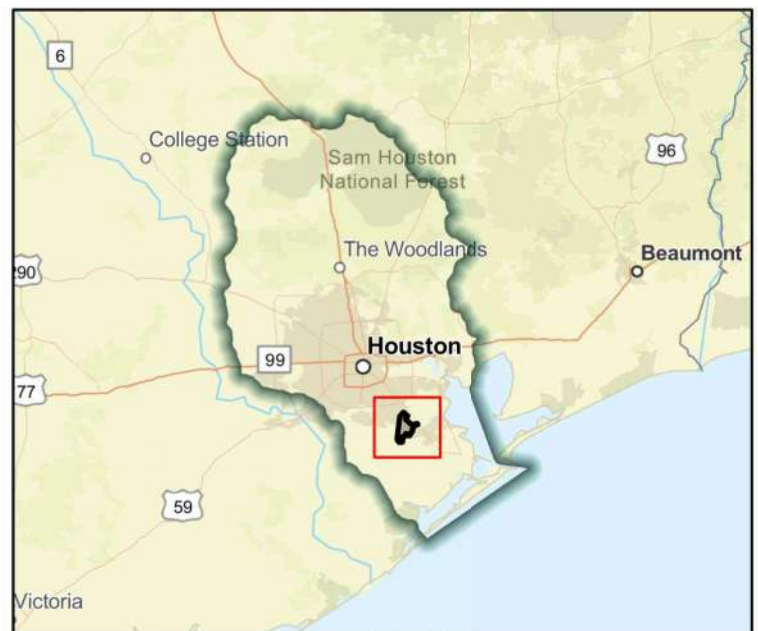
Amount of Available Funding -

Federal funding availability Yes

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Update Liberty County FIRMs to Include Bench Marks**

ID# **061000173**

Sponsor (name of entity, not person) **Liberty (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Add bench marks to updated Flood Insurance Rate Maps.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Liberty** Watershed HUC# (if known) **120401030201,120401030108,120401030109,120401030205,120401030**

Drainage area (Square miles, est.) **1,170** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **4,854** # of structures **3,618** Critical facilities **8**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

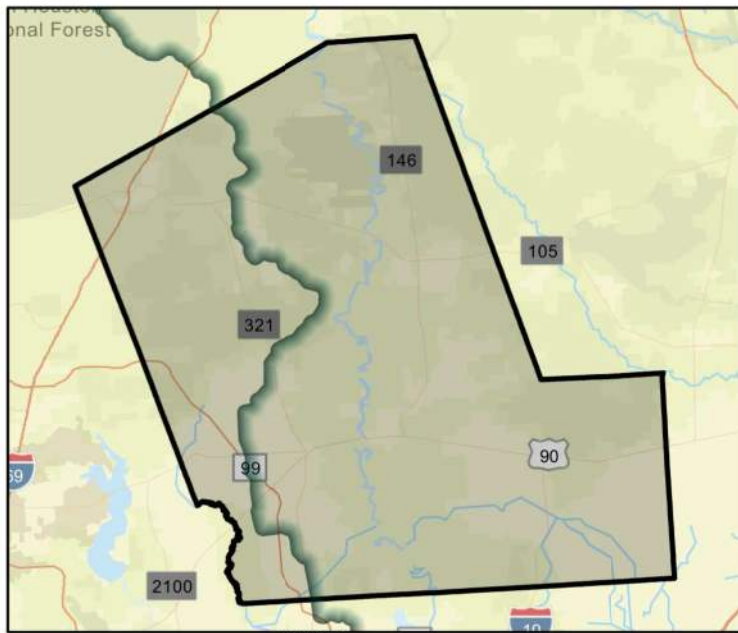
Farm/Ranch land impacted (acres) **1,379** Roadway(s) impacted (length) **144**

Number of low water crossings **7** Historical road closures **7**

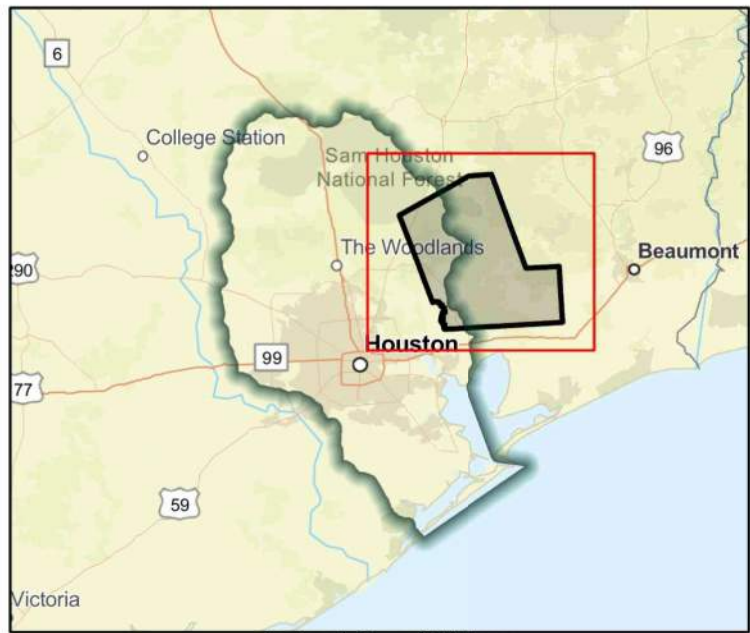
Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Emergency Need? Existing/Anticipated models in near term?

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

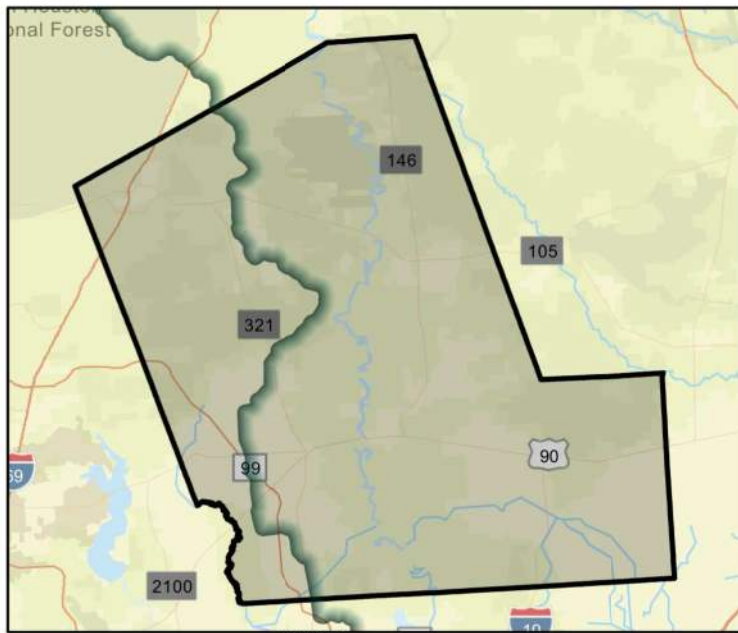
Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

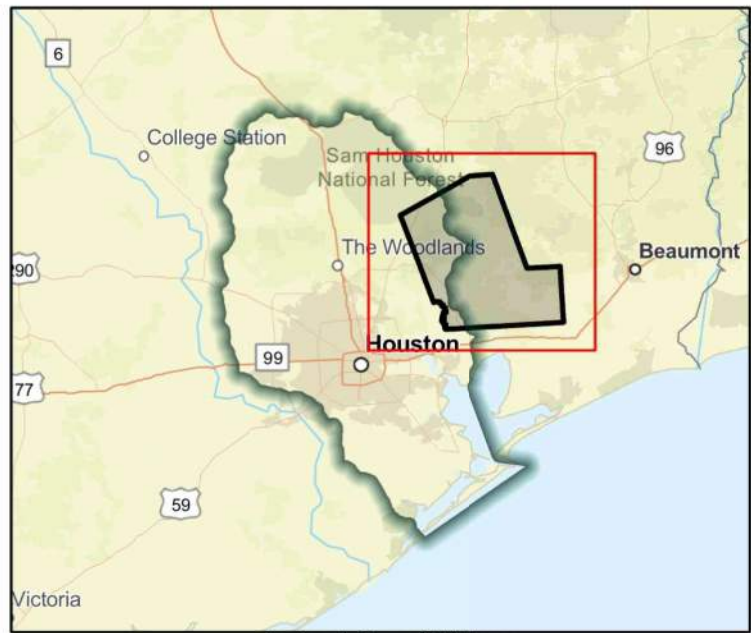
Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability

Funding source



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Upper Greens Bayou Watershed Study**

ID# **061000185**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Watershed wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **Yes** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401010502,120401010501,120401020106,120401020107,120401040**

Drainage area (Square miles, est.) **201** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **155,940** # of structures **24,236** Critical facilities **418**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

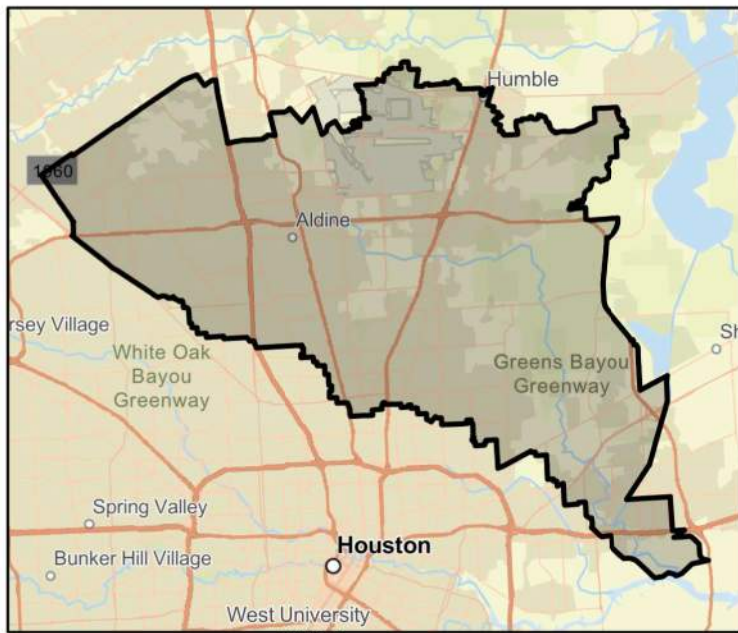
Farm/Ranch land impacted (acres) **161** Roadway(s) impacted (length) **320**

Number of low water crossings **17** Historical road closures **17**

Estimated Cost and Funding Availability

Total Cost **\$980,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Valley - Stewarts Creek Watershed**

ID# **061000455**

Sponsor (name of entity, not person) **Conroe (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Montgomery** Watershed HUC# (if known) **120401010207,120401010403,120401010401,120401010402,120401010**

Drainage area (Square miles, est.) **20** 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? **Yes** Playa? **No** Other? **No**

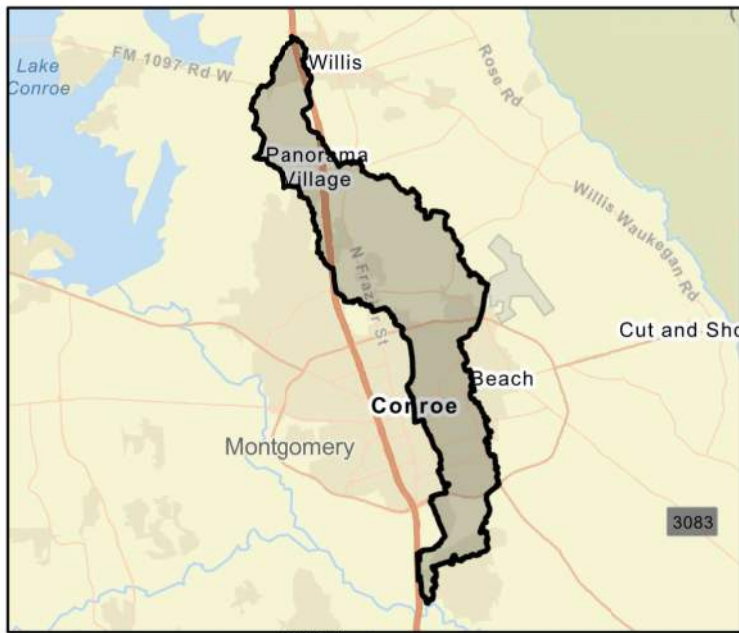
Farm/Ranch land impacted (acres) **7** Roadway(s) impacted (length) **10**

Number of low water crossings **7** Historical road closures **7**

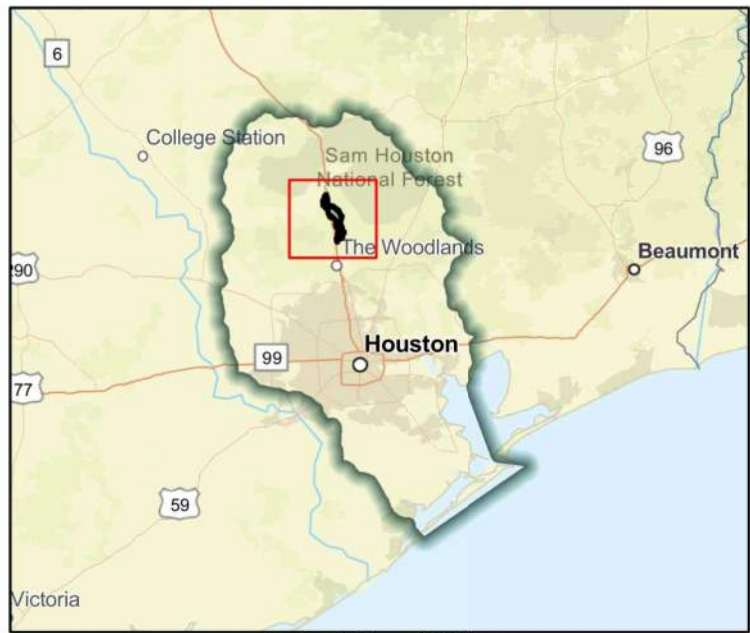
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Walker Flood Mapping Updates**

ID# **061000309**

Sponsor (name of entity, not person) **Walker (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **County wide study to produce flood mapping updates including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Walker** Watershed HUC# (if known) **120401010104,120401010101,120401010102,120401010103,120401010**

Drainage area (Square miles, est.) **798** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **657** # of structures **505** Critical facilities **1**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

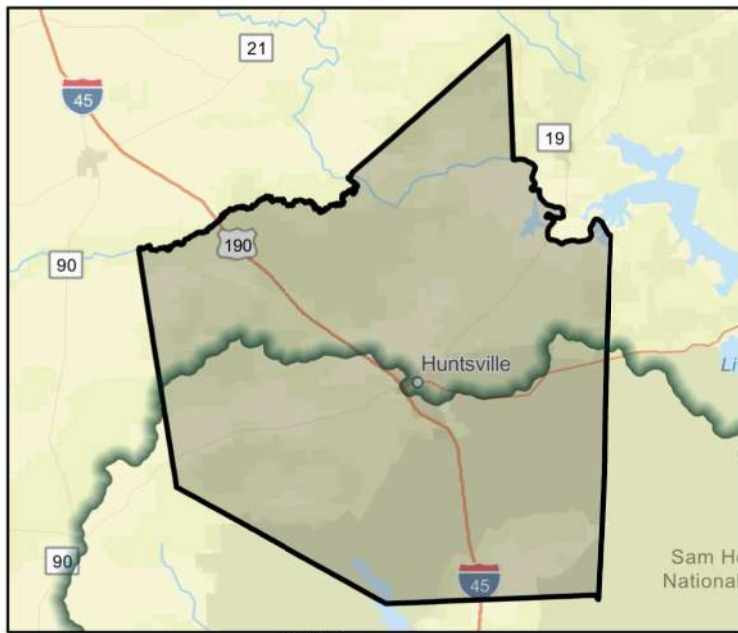
Farm/Ranch land impacted (acres) **180** Roadway(s) impacted (length) **25**

Number of low water crossings **2** Historical road closures **2**

Estimated Cost and Funding Availability

Total Cost **\$1,747,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Waller County Flood Damage Prevention Planning**

ID# **061000129**

Sponsor (name of entity, not person) **Waller (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Establish watershed-based planning and studies to address flood hazards with neighboring and constituent communities.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Waller** Watershed HUC# (if known) **120401020102,120401020103,120401020204,120401020101,120401020**

Drainage area (Square miles, est.) **516** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **2,410** # of structures **1,067** Critical facilities **6**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

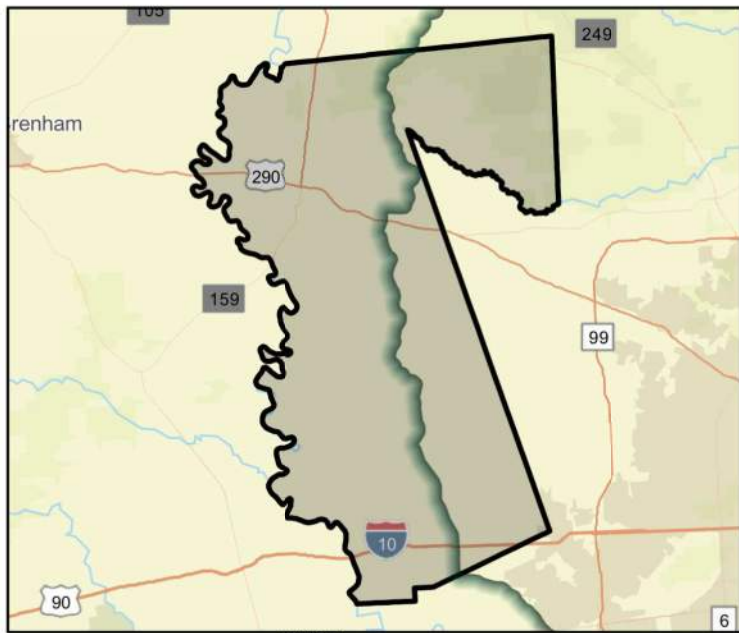
Farm/Ranch land impacted (acres) **1,357** Roadway(s) impacted (length) **41**

Number of low water crossings **19** Historical road closures **19**

Estimated Cost and Funding Availability

Total Cost **\$1,160,000** Amount of Available Funding **290000** Federal funding availability **Yes**

Funding source **General Revenue**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Waller Flood Mapping Updates**

ID# **061000310**

Sponsor (name of entity, not person) **Waller (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **County wide study to produce flood mapping updates including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Waller** Watershed HUC# (if known) **120401020102,120401020103,120401020204,120401020101,120401020**

Drainage area (Square miles, est.) **516** Goal(s) **06000001,06000010,06000015**

100-Year Flood Risk Summary

Population at risk **2,410** # of structures **1,067** Critical facilities **6**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

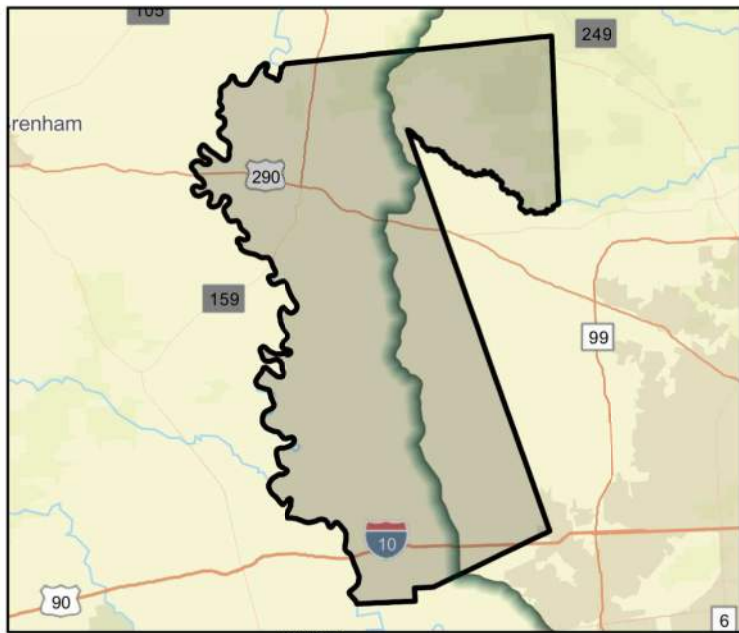
Farm/Ranch land impacted (acres) **1,357** Roadway(s) impacted (length) **41**

Number of low water crossings **19** Historical road closures **19**

Estimated Cost and Funding Availability

Total Cost **\$2,300,000** Amount of Available Funding **230000** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Warren Lake and Dam Retrofit**

ID# **061000320**

Sponsor (name of entity, not person) **Coastal Prairie Conservancy**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of 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.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Harris** Watershed HUC# (if known) **120401020103**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **0** # of structures **0** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **183** Roadway(s) impacted (length) **-**

Number of low water crossings **-** Historical road closures **-**

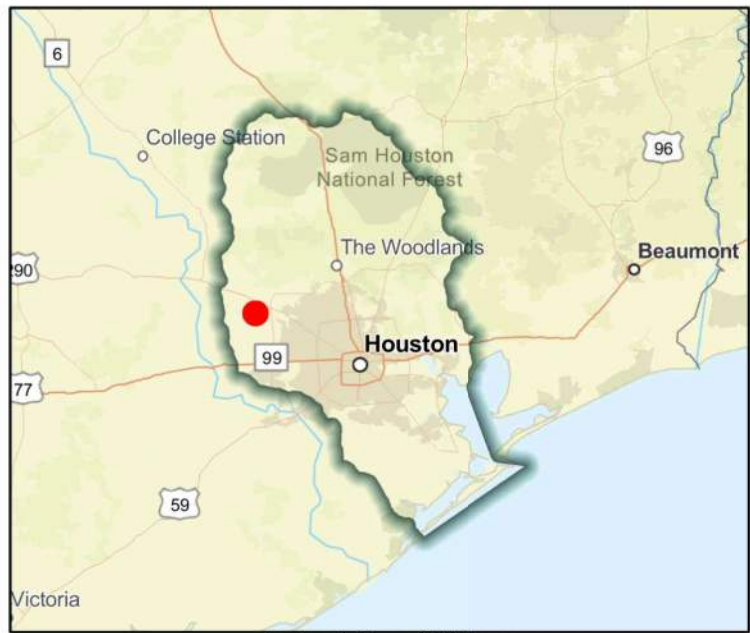
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **West Branch - Alligator Creek Watershed**

ID# **061000448**

Sponsor (name of entity, not person) **Conroe (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Montgomery** Watershed HUC# (if known) **120401010207,120401010401**

Drainage area (Square miles, est.) **6** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **3,099** # of structures **516** Critical facilities **2**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

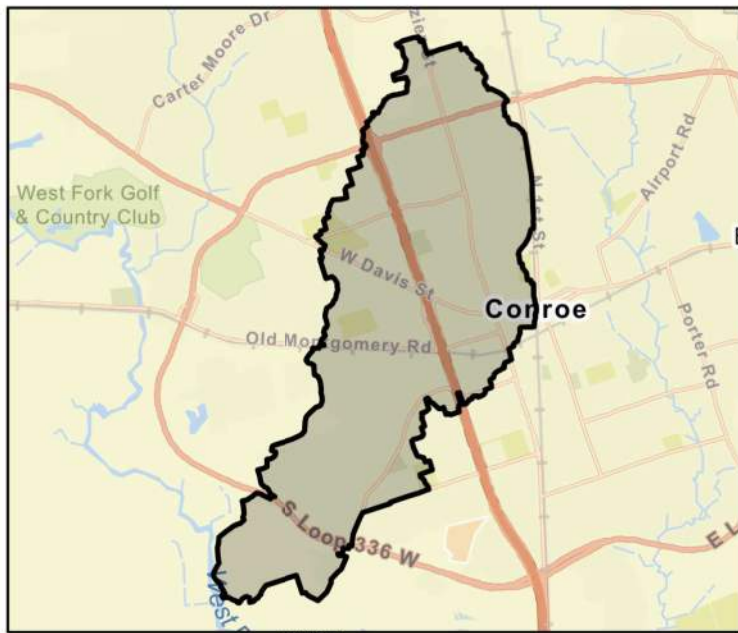
Farm/Ranch land impacted (acres) **2** Roadway(s) impacted (length) **10**

Number of low water crossings **9** Historical road closures **9**

Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **West Chocolate Bayou (CR 383 Ditch)**

ID# **061000050**

Sponsor (name of entity, not person) **Brazoria Drainage District 4**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Brazoria, Fort Bend** Watershed HUC# (if known) **120402040400**

Drainage area (Square miles, est.) **3** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **0** # of structures **0** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

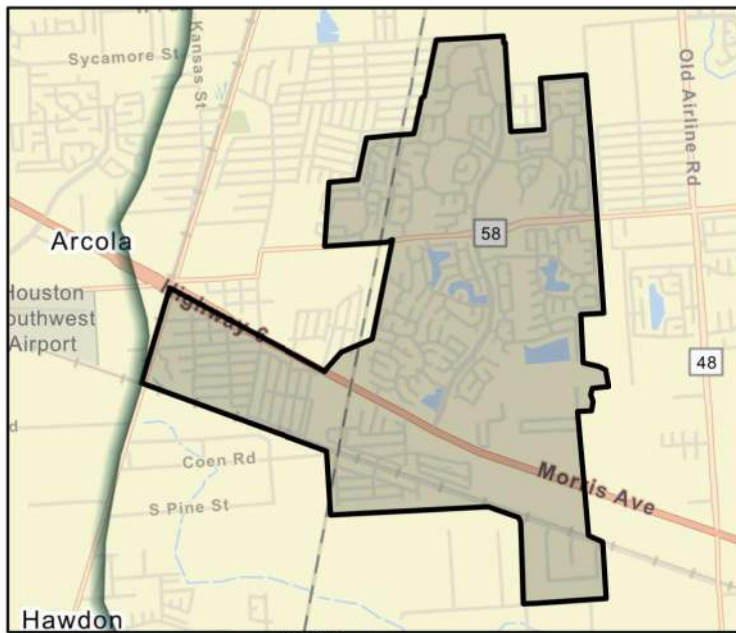
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **0**

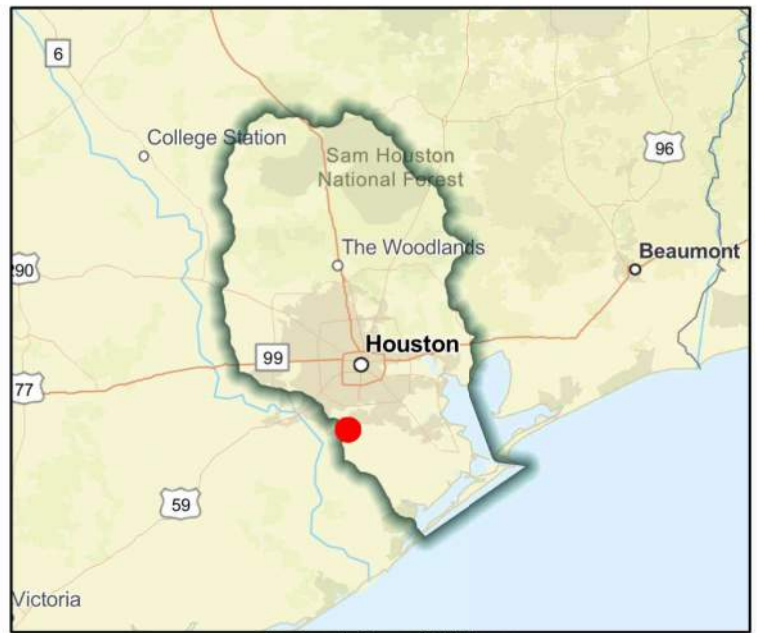
Estimated Cost and Funding Availability

Total Cost **\$252,400** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **West Fork Chocolate (Cold River Ranch Ditch)**

ID# **061000051**

Sponsor (name of entity, not person) **Brazoria Drainage District 4**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of proposed channel modifications to Cold River Ranch Ditch included in the City of Pearland master drainage plan to include Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Brazoria** Watershed HUC# (if known) **120402040400**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **56** # of structures **60** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **1**

Number of low water crossings **-** Historical road closures **-**

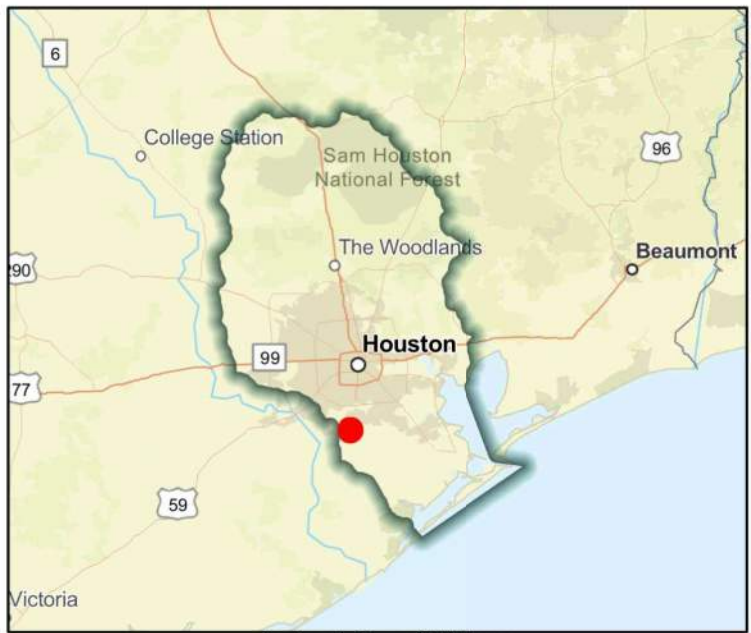
Estimated Cost and Funding Availability

Total Cost **\$200,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **West Fork Chocolate Bayou**

ID# **061000052**

Sponsor (name of entity, not person) **Brazoria Drainage District 4**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Brazoria, Fort Bend** Watershed HUC# (if known) **120402040400**

Drainage area (Square miles, est.) **14** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **442** # of structures **295** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

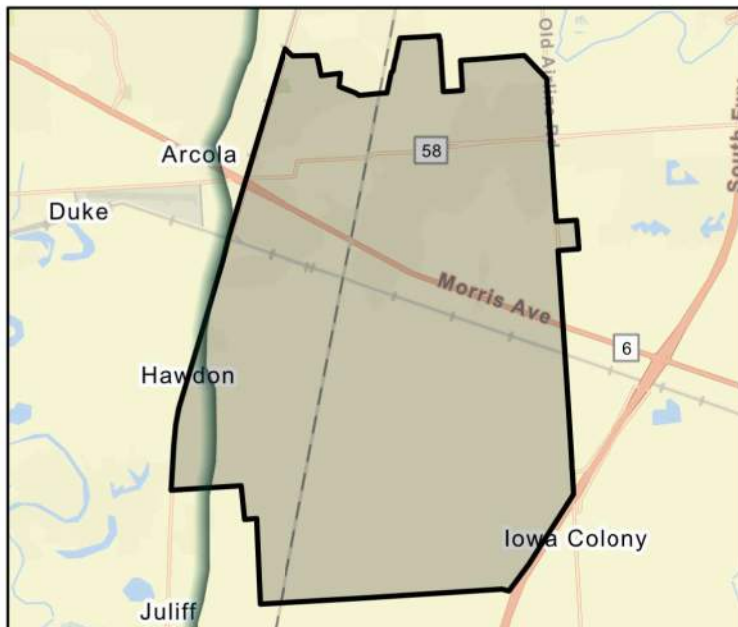
Farm/Ranch land impacted (acres) **157** Roadway(s) impacted (length) **6**

Number of low water crossings **0** Historical road closures **0**

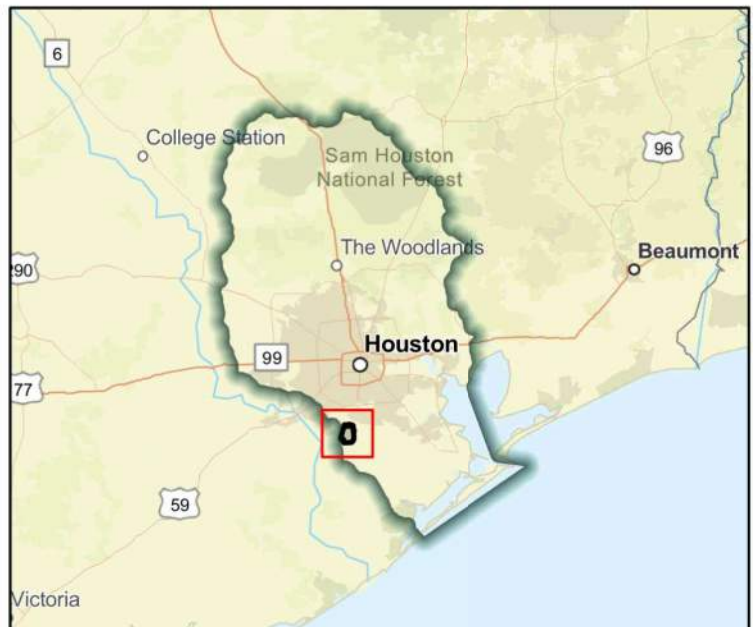
Estimated Cost and Funding Availability

Total Cost **\$2,072,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Westador Stormwater Detention Basin**

ID# **061000356**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a BCR required for this project to become a FMP. The Westador Detention Basin is a proposed detention mitigation project within the Cypress Creek Watershed and located south of Cypress Creek and east and west of K141-00-00.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401020106,120401020107,120401020210,120401020212,120401020**

Drainage area (Square miles, est.) **93** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **18,540** # of structures **2,995** Critical facilities **53**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

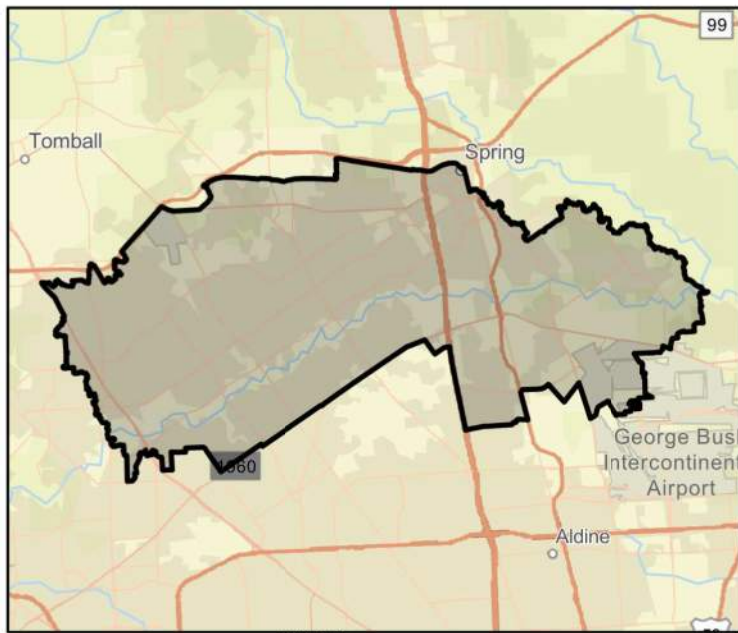
Farm/Ranch land impacted (acres) **44** Roadway(s) impacted (length) **60**

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 **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **White Oak - SPT and E116 (E116-00-00) Improvements : PA01 thru PA-05**

ID# **061000389**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for these projects to become a FMP. The "E116-00-00 Flood Reduction Feasibility Study" was completed in March 2022 and provides a decrease riverine and urban flood risk in the area.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040302,120401040304**

Drainage area (Square miles, est.) **7** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **4,852** # of structures **1,174** Critical facilities **7**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **5** Roadway(s) impacted (length) **15**

Number of low water crossings **0** Historical road closures **0**

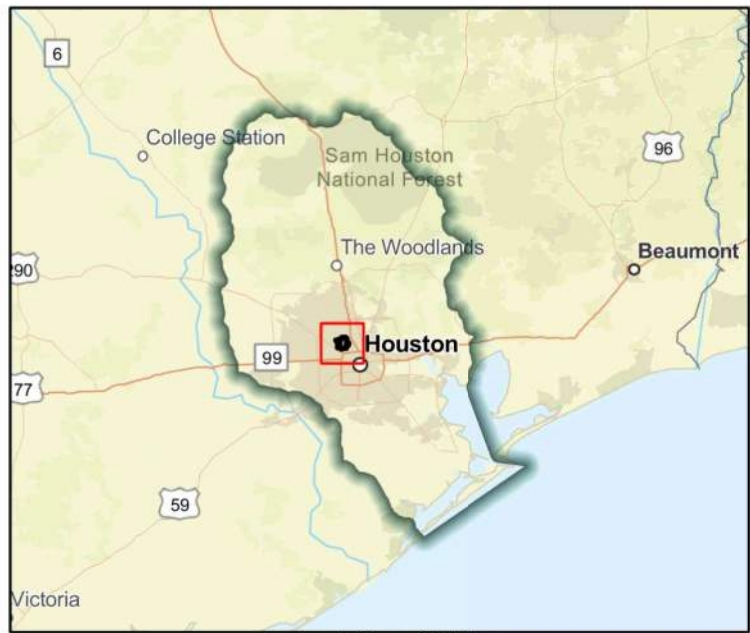
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin**

ID# **061000344**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a BCA to become FMP. This stormwater detention basin compliments the federal project on White Oak Bayou which will reduce the risk of flooding for 1,800 structures in an Atlas 14 1% rainfall event.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401020104,120401020106,120401040601,120401040302,120401040**

Drainage area (Square miles, est.) **79** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **90,865** # of structures **11,098** Critical facilities **90**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

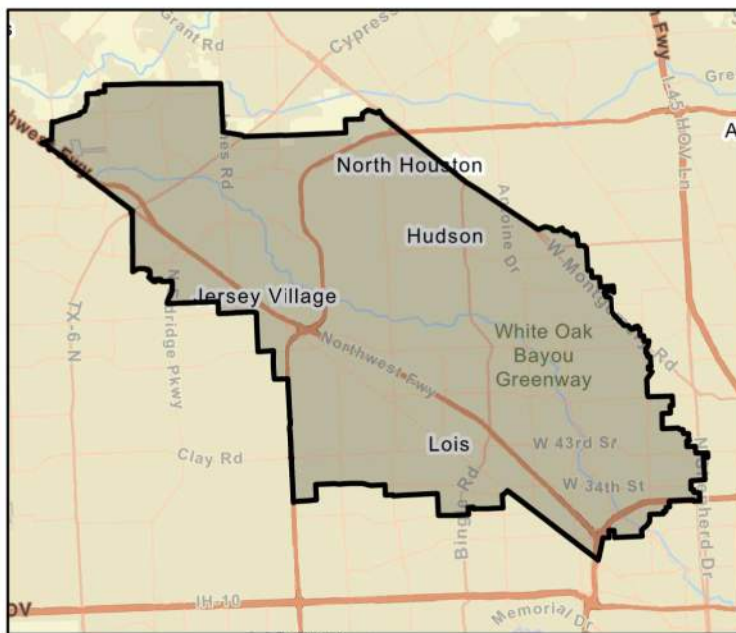
Farm/Ranch land impacted (acres) **24** Roadway(s) impacted (length) **164**

Number of low water crossings **0** Historical road closures **0**

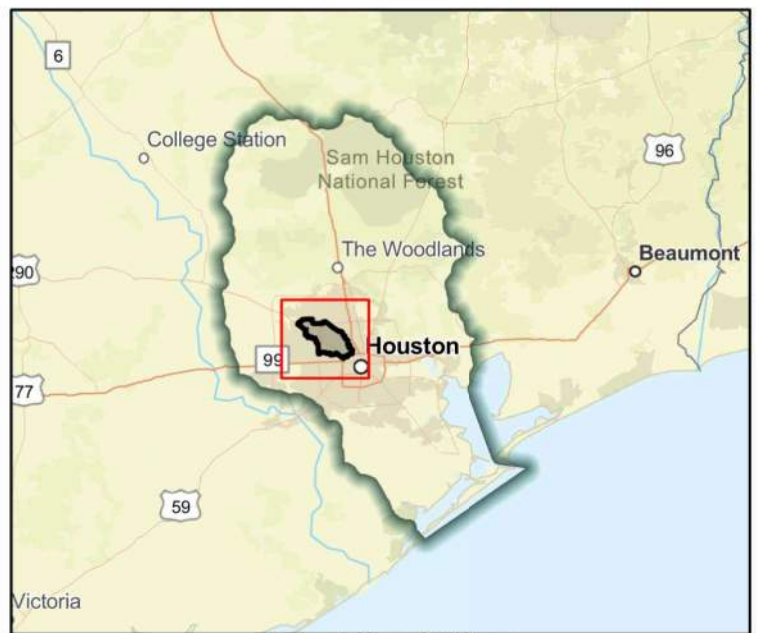
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **White Oak Bayou - General Drainage Improvements along E105-00-00**

ID# **061000196**

Sponsor (name of entity, not person) **Houston (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of channel improvements from partnership project to restore channel conveyance including Atlas 14 rainfalls.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040304**

Drainage area (Square miles, est.) **1** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **431** # of structures **160** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

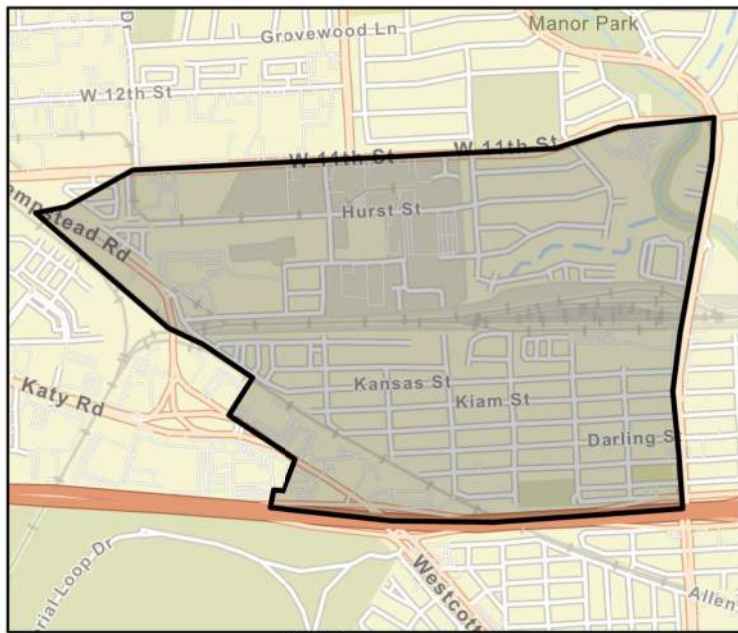
Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **3**

Number of low water crossings **0** Historical road closures **0**

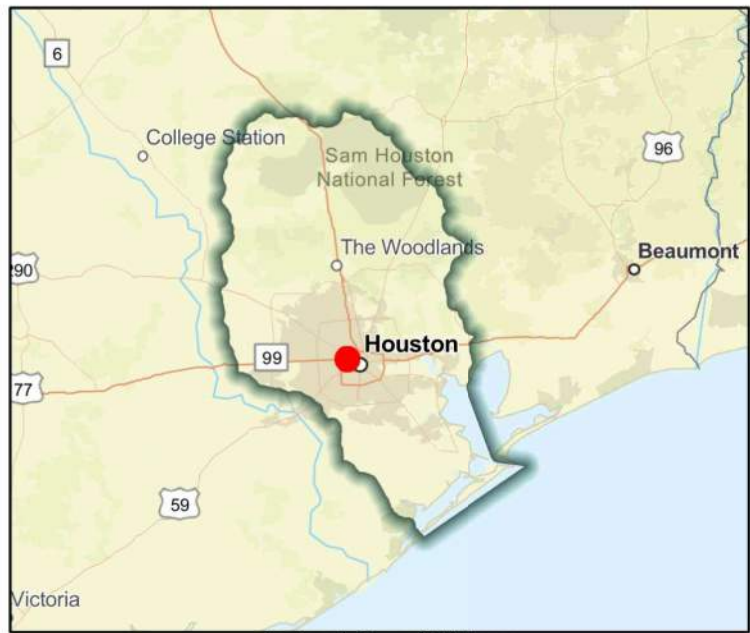
Estimated Cost and Funding Availability

Total Cost **\$120,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **White Oak Bayou - Turkey Gully E106-00-00**

ID# **061000194**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Further study of channel improvements from partnership project to restore channel conveyance including Atlas 14 rainfalls.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401040304**

Drainage area (Square miles, est.) **7** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **12,780** # of structures **2,540** Critical facilities **6**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

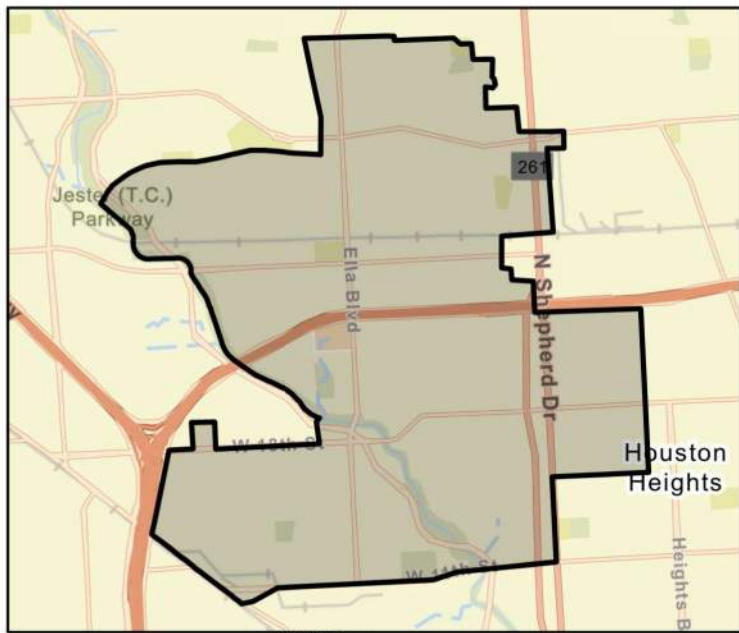
Farm/Ranch land impacted (acres) **2** Roadway(s) impacted (length) **27**

Number of low water crossings **0** Historical road closures **0**

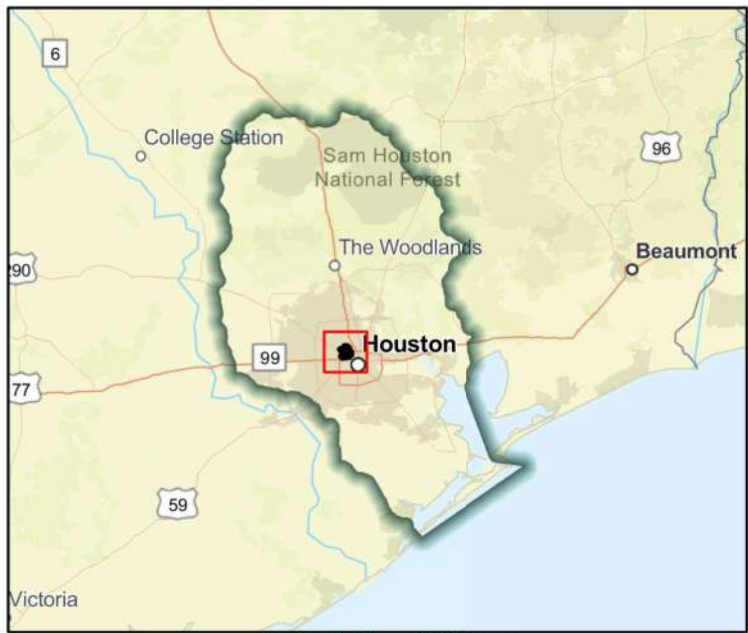
Estimated Cost and Funding Availability

Total Cost **\$1,330,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **White Oak Bayou Watershed Study**

ID# **061000184**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Watershed wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **Yes** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401020104,120401020106,120401040601,120401040305,120401040**

Drainage area (Square miles, est.) **111** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **127,789** # of structures **17,103** Critical facilities **149**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

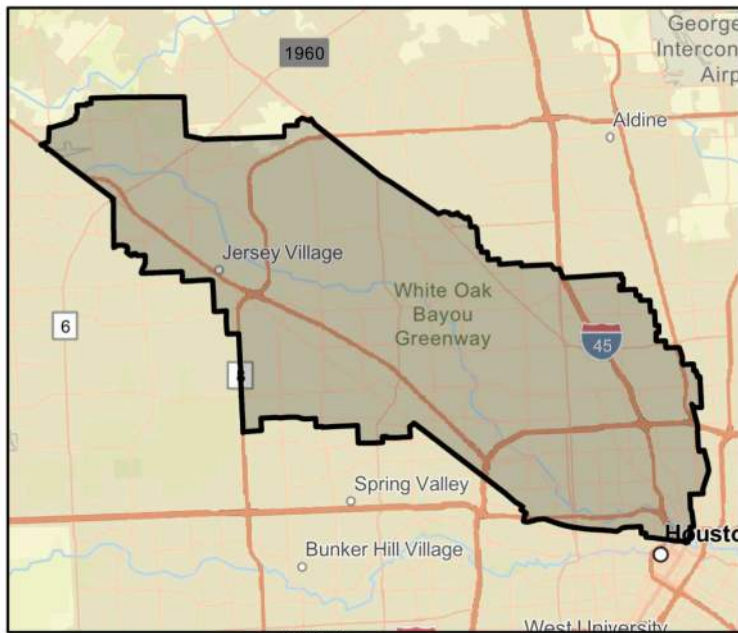
Farm/Ranch land impacted (acres) **28** Roadway(s) impacted (length) **281**

Number of low water crossings **4** Historical road closures **4**

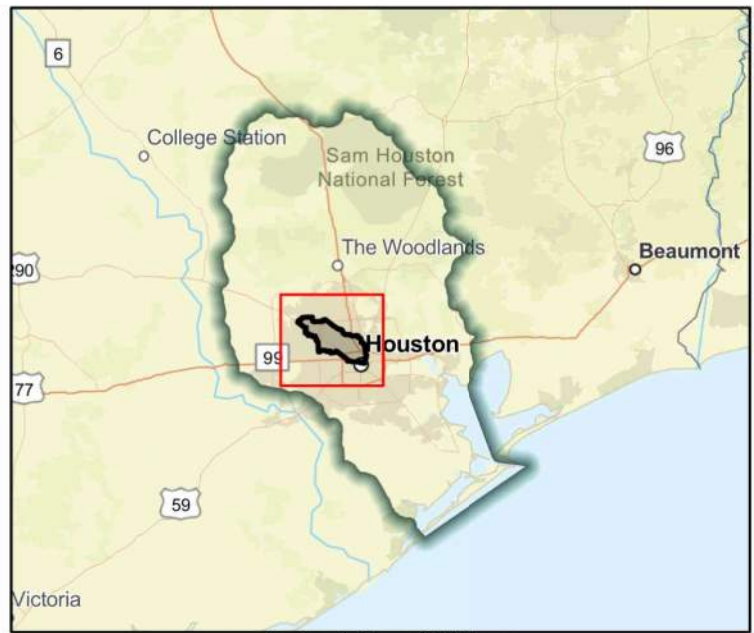
Estimated Cost and Funding Availability

Total Cost **\$800,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Widen Drainage Systems and Culverts in City of Clear Lake Shores**

ID# **061000122**

Sponsor (name of entity, not person) **Clear Lake Shores (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study to widen drainage systems and increase culvert size to accommodate increased water flows. Coordinate efforts with water district.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Galveston, Harris** Watershed HUC# (if known) **120402040100**

Drainage area (Square miles, est.) **1** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **3,407** # of structures **633** Critical facilities **4**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **9**

Number of low water crossings **0** Historical road closures **-**

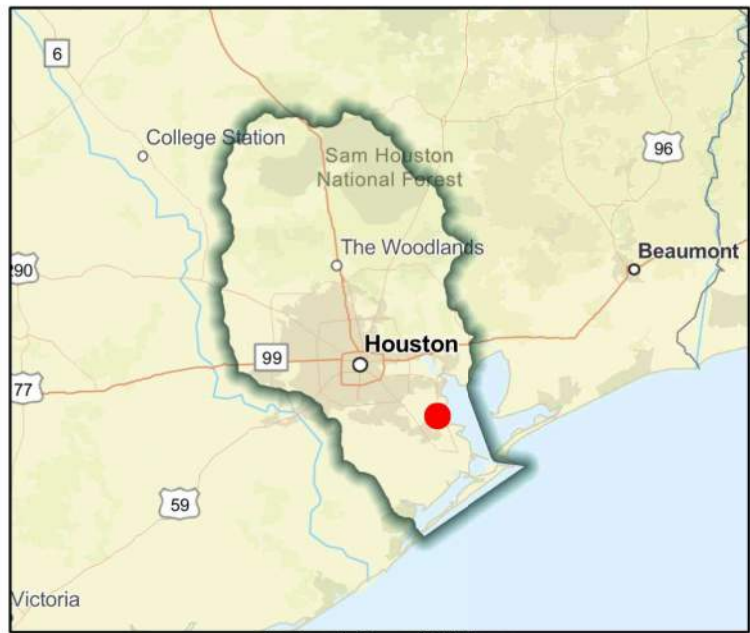
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **-** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Widen Drainage Systems and Culverts in City of Kemah**

ID# **061000121**

Sponsor (name of entity, not person) **Kemah (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study to widen drainage systems and increase culvert size to accommodate increased water flows. Coordinate efforts with water district.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Galveston,Chambers** Watershed HUC# (if known) **120402040200,120402040100**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **3,492** # of structures **562** Critical facilities **7**

Flood risk type: Riverine? **No** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

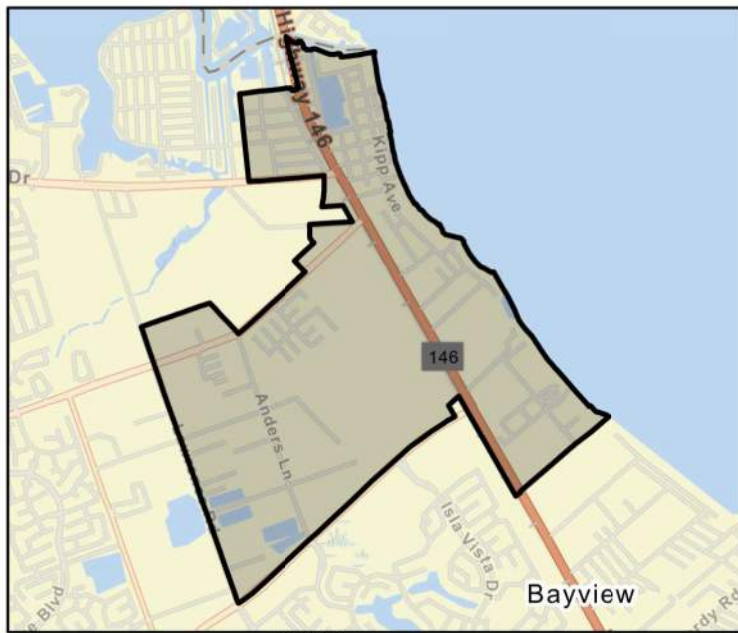
Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **12**

Number of low water crossings **-** Historical road closures **-**

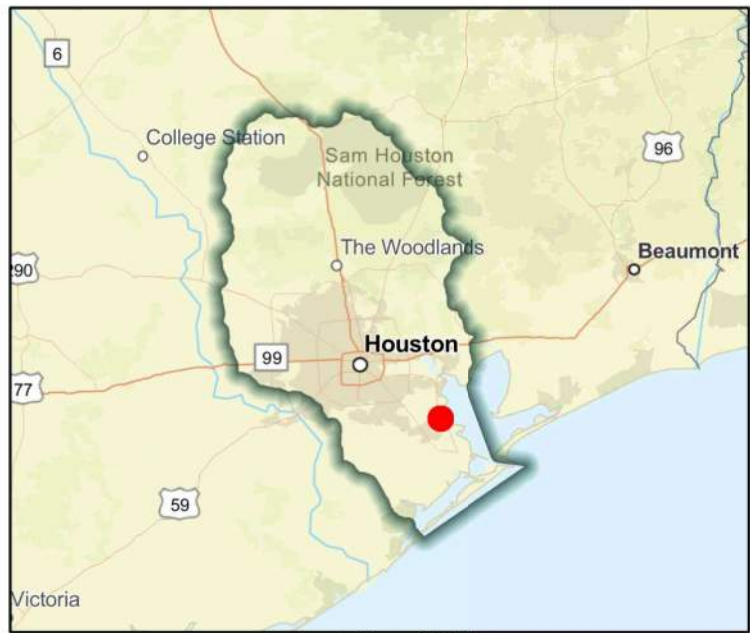
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Williamsburg Subdivision Drainage Assessment**

ID# **061000024**

Sponsor (name of entity, not person) **Harris (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of a flood risk reduction project in the Williamsburg Subdivision which includes additional detail for the design of a required weir structure.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Harris** Watershed HUC# (if known) **120401040104**

Drainage area (Square miles, est.) **13** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **8** # of structures **2** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

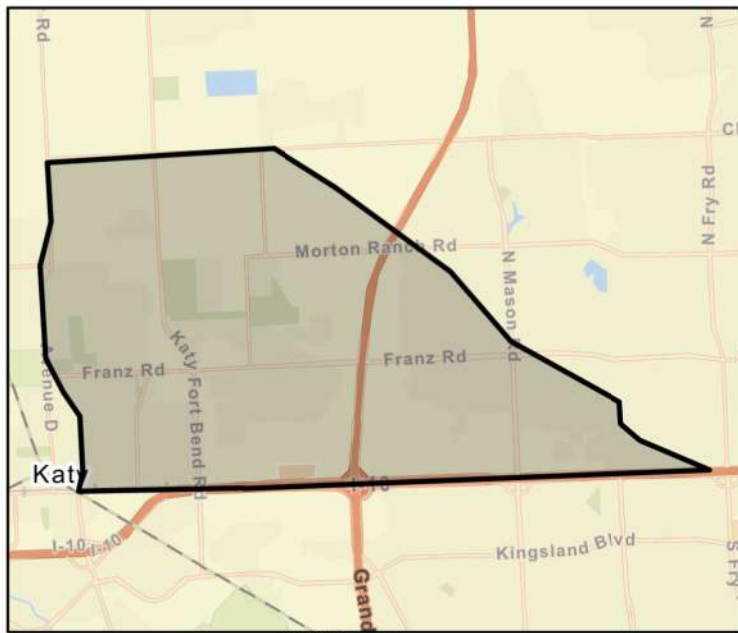
Farm/Ranch land impacted (acres) **7** Roadway(s) impacted (length) **1**

Number of low water crossings **0** Historical road closures **0**

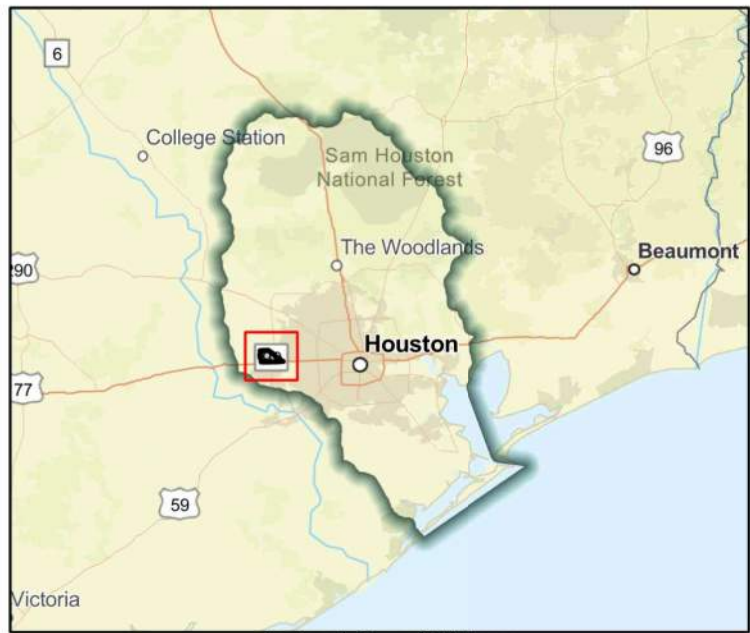
Estimated Cost and Funding Availability

Total Cost **\$1,260,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Willow Creek - Overflow Flooding between Burlington Northern Railroad and Hufsmith-Kohrville Rd. Analysis

ID# 061000032

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study recommended as part of the Willow Creek Watershed Plan. Planning level analysis to identify flooding reasons in Northern Point subdivision south of SH99.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Harris Watershed HUC# (if known) 120401020106,120401020105,120401020205,120401020210,120401020

Drainage area (Square miles, est.) 2 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 9 # of structures 10 Critical facilities 0

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

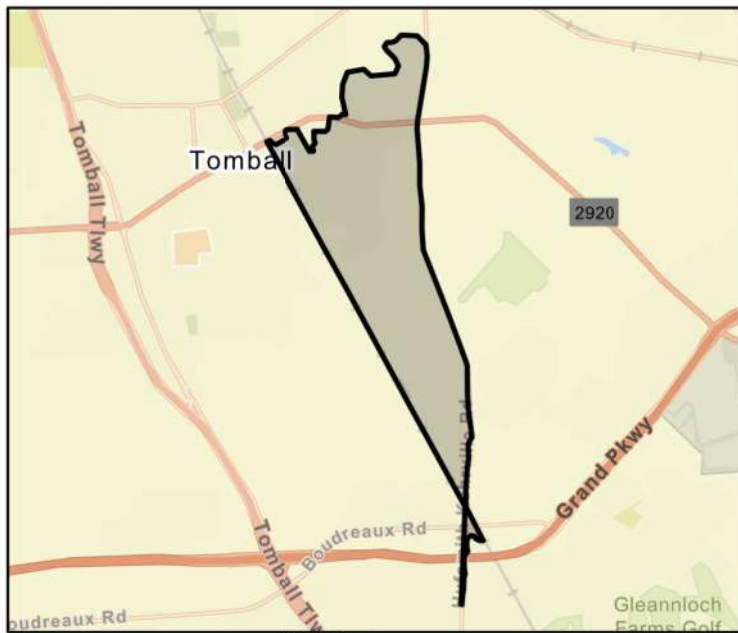
Farm/Ranch land impacted (acres) 3 Roadway(s) impacted (length) 1

Number of low water crossings 1 Historical road closures 1

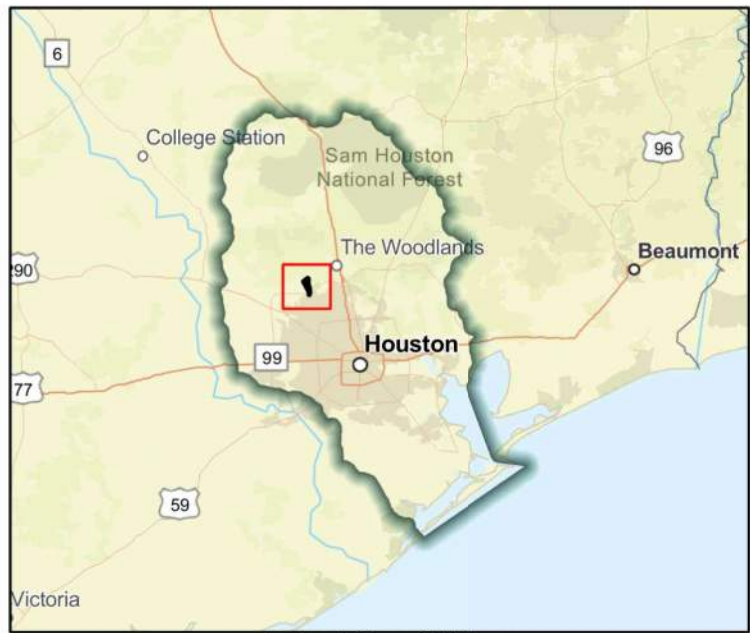
Estimated Cost and Funding Availability

Total Cost \$590,000 Amount of Available Funding - Federal funding availability Yes

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Willow Creek Watershed Plan- FM2920 Stormwater Detention Basin**

ID# **061000340**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Proposed 826 acre-feet detention basin located near FM 2920 crossing of Willow Creek.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401020106,120401020105,120401020210**

Drainage area (Square miles, est.) **11** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **2,443** # of structures **828** Critical facilities **6**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

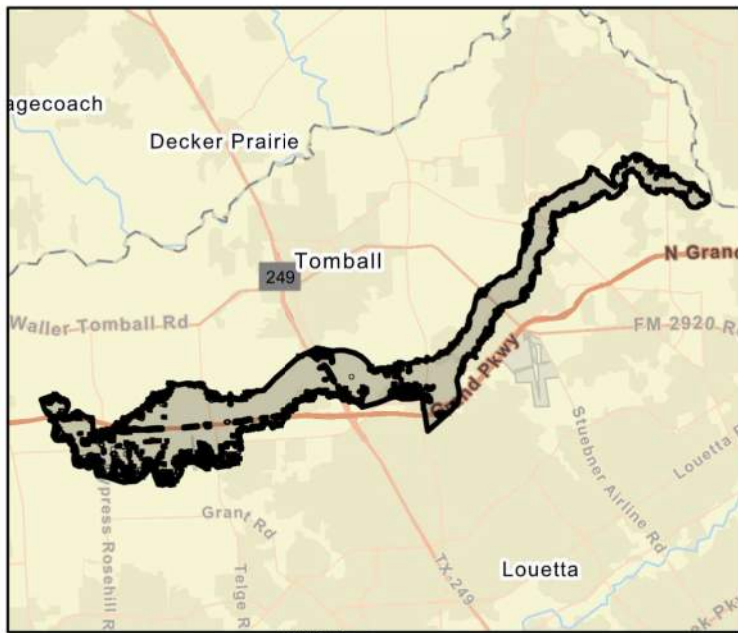
Farm/Ranch land impacted (acres) **56** Roadway(s) impacted (length) **25**

Number of low water crossings **5** Historical road closures **5**

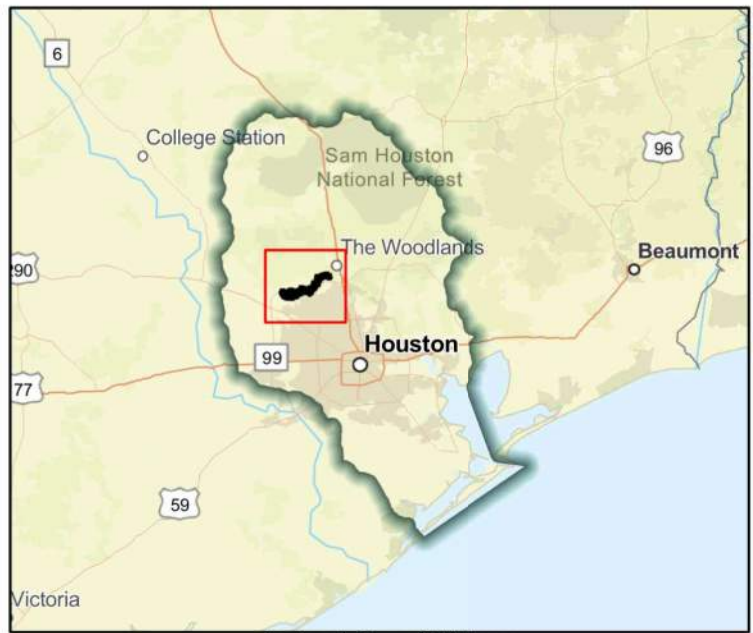
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Willow Creek Watershed Plan - M120 Detention/Preservation Site**

ID# **061000339**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop BCA to become a FMP. Pursue purchase of property for regional detention, floodplain preservation, & habitat preservation.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401020106,120401020105,120401020210**

Drainage area (Square miles, est.) **11** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **2,443** # of structures **828** Critical facilities **6**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

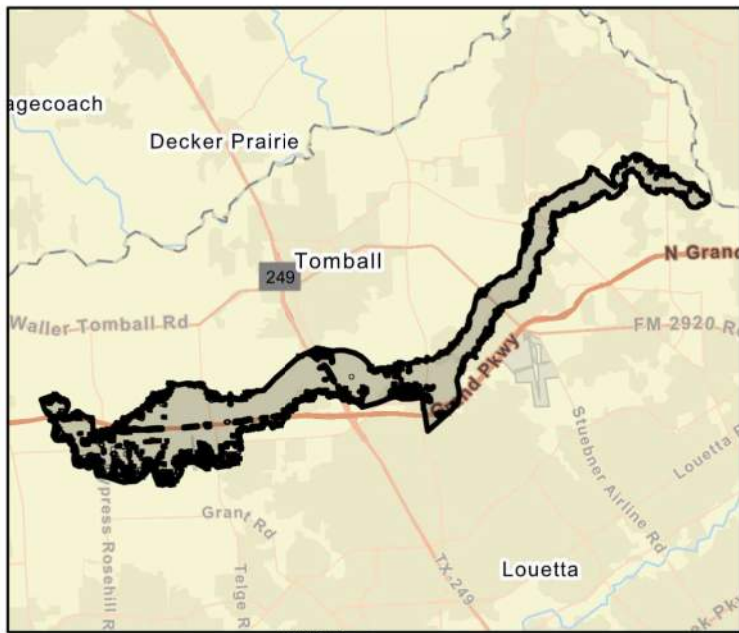
Farm/Ranch land impacted (acres) **56** Roadway(s) impacted (length) **25**

Number of low water crossings **5** Historical road closures **5**

Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Willow Creek Watershed Plan- M121 Basin Stormwater Detention Basin
 ID# 061000342
 Sponsor (name of entity, not person) Harris County Flood Control District
 RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

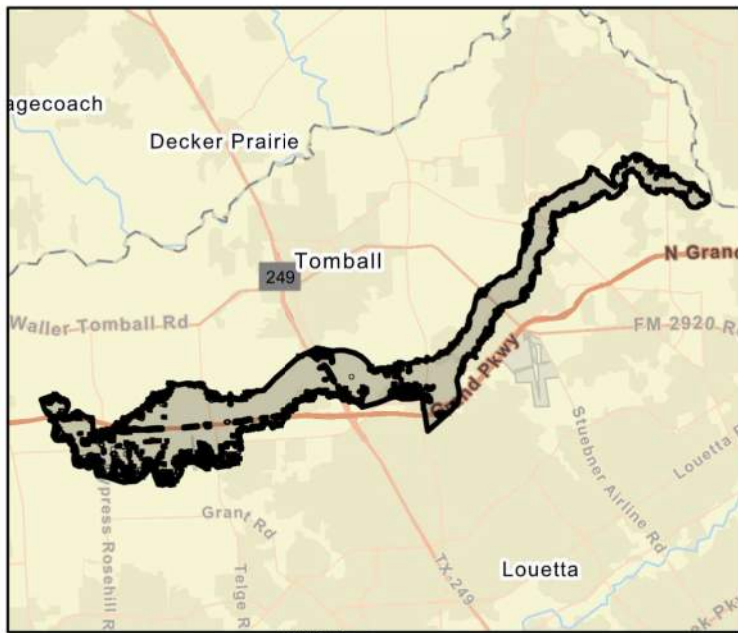
Study type Project Planning
 Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Proposed 1010 acre-feet detention basin located near M121 tributary
 New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes
 County Harris Watershed HUC# (if known) 120401020106,120401020105,120401020210
 Drainage area (Square miles, est.) 11 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 2,443 # of structures 828 Critical facilities 6
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres) 56 Roadway(s) impacted (length) 25
 Number of low water crossings 5 Historical road closures 5

Estimated Cost and Funding Availability

Total Cost \$30,000 Amount of Available Funding - Federal funding availability Yes
 Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Willow Creek Watershed Plan- Immediate: Selective Clearing BNRR to Mouth**

ID# **061000338**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a BCR required for this project to become a FMP. Selective clearing from BNRR to mouth to increase riverine storm water conveyance, maintain tree canopy & veg. diversity, minimize impact on riparian & uplands habitats.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401020106,120401020105,120401020210**

Drainage area (Square miles, est.) **11** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **2,443** # of structures **828** Critical facilities **6**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

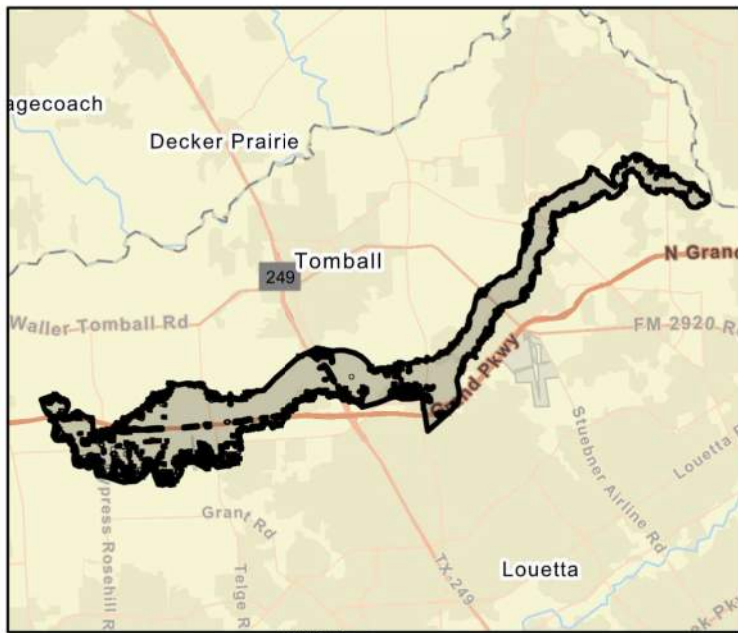
Farm/Ranch land impacted (acres) **56** Roadway(s) impacted (length) **25**

Number of low water crossings **5** Historical road closures **5**

Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Willow Creek Watershed Plan- Kuykendahl Basin**

ID# **061000341**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Proposed 727 acre-feet detention basin located near Kuykendahl Road crossing of Willow Creek.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Harris** Watershed HUC# (if known) **120401020106,120401020105,120401020210**

Drainage area (Square miles, est.) **11** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **2,443** # of structures **828** Critical facilities **6**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

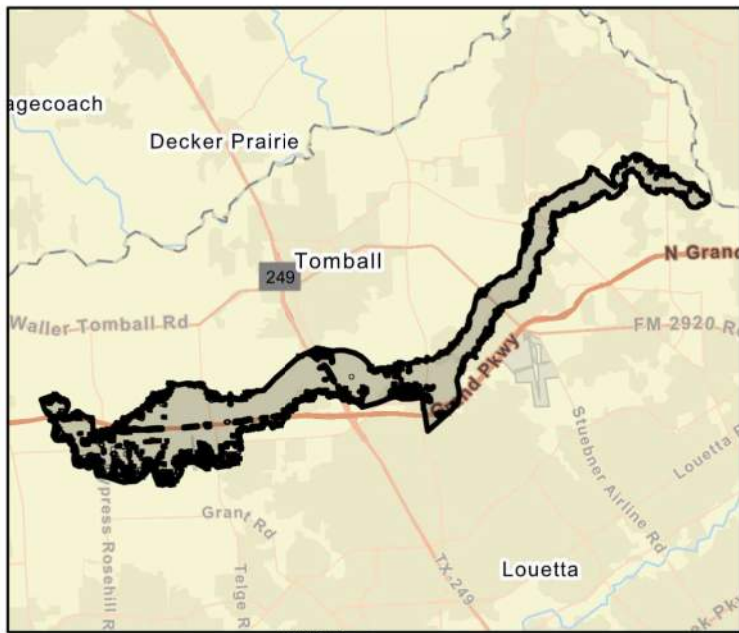
Farm/Ranch land impacted (acres) **56** Roadway(s) impacted (length) **25**

Number of low water crossings **5** Historical road closures **5**

Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **Yes**

Funding source **-**



FME Area



Regional view of FME area