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?** -  
**Reason for Recommendation** -

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

**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

<table>
<thead>
<tr>
<th>Population at risk</th>
<th># of structures</th>
<th>Critical facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>798</td>
<td>400</td>
<td>1</td>
</tr>
</tbody>
</table>

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

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

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

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

### Estimated Cost and Funding Availability

<table>
<thead>
<tr>
<th>Total Cost</th>
<th>Amount of Available Funding</th>
<th>Federal funding availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>$300,000</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**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?: -

Reason for Recommendation: -

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?: -

Emergency Need?: -

Existing/Anticipated models in near term?: -

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? Yes, Local? No, Playa? 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: $625,000

Amount of Available Funding: -

Federal funding availability: -

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? - Reason for Recommendation -

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

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: -


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: -

Funding source: -

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?: - Reason for Recommendation -

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

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: -


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

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

Estimated Cost and Funding Availability

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

Funding source: -
# Flood Management Evaluation (FME)

## Title
East Chocolate Bayou (E103-00-00)

## ID
061000053

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

## RFPG recommend?
- Reason for Recommendation -

### Study Details

<table>
<thead>
<tr>
<th>Study type</th>
<th>Study description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Planning</td>
<td>Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>New Hydrologic or Hydraulic model?</th>
<th>Emergency Need?</th>
<th>Existing/Anticipated models in near term?</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>-</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>County</th>
<th>Watershed HUC# (if known)</th>
<th>Drainage area (Square miles, est.)</th>
<th>Goal(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brazoria</td>
<td>120402040400</td>
<td>0</td>
<td>06000001,06000011,06000012,06000015</td>
</tr>
</tbody>
</table>

### 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th># of structures</th>
<th>Critical facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flood risk type</th>
<th># of structures</th>
<th>Critical facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Riverine? Yes</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Coastal? No</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Local? No</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Playa? No</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Farm/Ranch land impacted (acres)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Roadway(s) impacted (length)</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>Number of low water crossings</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Historical road closures</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### Estimated Cost and Funding Availability

<table>
<thead>
<tr>
<th>Total Cost</th>
<th>Amount of Available Funding</th>
<th>Federal funding availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>$48,000</td>
<td>-</td>
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</tr>
</tbody>
</table>

## Maps

- 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?: -

Reason for Recommendation: -

Study Details

Study type: Project Planning

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

New Hydrologic or Hydraulic model?: -

Emergency Need?: -

Existing/Anticipated models in near term?: -

County: Montgomery

Watershed HUC# (if known): 120401010207, 120401010401

Drainage area (Square miles, est.): 6

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

100-Year Flood Risk Summary

Population at risk: 5,236

# of structures: 1,640

Critical facilities: 5

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

Farm/Ranch land impacted (acres): 10

Number of low water crossings: 0

Roadway(s) impacted (length): 22

Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $30,000

Amount of Available Funding: -

Federal funding availability: -

Funding source: -
Flood Management Evaluation (FME)

Title: East Fork South - Alligator Creek Watershed

ID#: 061000447

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

RFPG recommend?: -  Reason for Recommendation: -

Study Details

Study type: Project Planning

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

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

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

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

100-Year Flood Risk Summary

Population at risk: 24,456  # of structures: 6,515  Critical facilities: 60

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

Farm/Ranch land impacted (acres): 12  Roadway(s) impacted (length): 72

Number of low water crossings: 3  Historical road closures: 3

Estimated Cost and Funding Availability

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

Funding source: -
Flood Management Evaluation (FME)

Title: Eastex Freeway Forest Sections 3 & 4 Subdivision Improvements
ID#: 601000469
Sponsor (name of entity, not person): Harris (County)
RFPG recommend?:
Reason for Recommendation:

Study Details
Study type: Project Planning
Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.

New Hydrologic or Hydraulic model?:
Emergency Need?:
Existing/Anticipated models in near term?:
County: Harris
Watershed HUC#: 120401040604, 120401040603
Drainage area (Square miles, est.): 20
Goal(s): 06000001, 06000011, 06000012, 06000015

100-Year Flood Risk Summary
Population at risk: 22,126
# of structures: 10,021
Critical facilities: 39
Flood risk type: Yes
Coastal?: No
Local?: No
Playa?: 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: $30,000
Amount of Available Funding:
Federal funding availability:

[Maps indicating flood management areas and regional view]
Flood Management Evaluation (FME)

Study Details

Title: Elevate Existing Bridge - East Fork San Jacinto River

ID#: 061000140

Sponsor: North Cleveland (Municipality)

RFPG recommend?: -

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?: -

Emergency Need?: -

Existing/Anticipated models in near term?: -

County: Liberty

Watershed HUC#: 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: $100,000

Amount of Available Funding: -

Federal funding availability: -

Funding source: -
Title: Elevation of Bridge Road in City of North Cleveland

ID#: 061000162

Sponsor (name of entity, not person): North Cleveland (Municipality)

RFPG recommend?: -

Reason for Recommendation: -

Study Details

Study type: Project Planning

Study description: Further study to elevate Bridge road

New Hydrologic or Hydraulic model?: -

Emergency Need?: -

Existing/Anticipated models in near term?: -

County: Liberty, Montgomery, San Jacinto

Watershed HUC# (if known): 120401030201, 12040103030108, 120401030109, 120401030203, 12040103030109, 120401030202, 12040103030109, 120401030203, 12040103030109, 120401030202, 12040103030109, 120401030202, 12040103030109, 120401030202, 12040103030109, 120401030202, 12040103030109, 120401030202, 12040103030109

Drainage area (Square miles, est.): 19

Goal(s): 06000010, 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

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: $100,000

Amount of Available Funding: -

Federal funding availability: -
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? -

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? -
Emergency Need? -
Existing/Anticipated models in near term? -
County Galveston
Watershed HUC# (if known) 120402040200
Drainage area (Square miles, est.) 14
Goal(s) 060000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 1,612
# of structures 829
Critical facilities 8
Flood risk type:
Riverine? Yes
Coastal? Yes
Local? No
Playa? 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 $1,150,000
Amount of Available Funding -
Federal funding availability -
Funding source -
## Flood Management Evaluation (FME)

**Title:** Evaluation of Culvert Enlargement and Bridge Elevation in Grimes County

### 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.

<table>
<thead>
<tr>
<th>New Hydrologic or Hydraulic model?</th>
<th>Emergency Need?</th>
<th>Existing/Anticipated models in near term?</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>County</th>
<th>Watershed HUC# (if known)</th>
<th>Drainage area (Square miles, est.)</th>
<th>Goal(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grimes</td>
<td>120401010101,120401010301,120401010302,120401010303,12040101010</td>
<td>799</td>
<td>060000001,06000011,06000012,06000015</td>
</tr>
</tbody>
</table>

### 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th># of structures</th>
<th>Critical facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
<td>145</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flood type:</th>
<th>Riverine?</th>
<th>Coastal?</th>
<th>Local?</th>
<th>Playa?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Farm/Ranch land impacted (acres)</th>
<th>Roadway(s) impacted (length)</th>
<th>Historical road closures</th>
</tr>
</thead>
<tbody>
<tr>
<td>151</td>
<td>11</td>
<td>1</td>
</tr>
</tbody>
</table>

### Estimated Cost and Funding Availability

- **Total Cost:** $50,000
- **Amount of Available Funding:** -
- **Federal funding availability:** -
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?** -  
**Reason for Recommendation** -

**Study Details**

- **Study type**: Project Planning
- **Study description**: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.

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

- **County**: Harris, 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

<table>
<thead>
<tr>
<th>Flood Risk type</th>
<th>Yes</th>
<th>No</th>
<th>No</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Riverine?</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coastal?</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Local?</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Playa?</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

- **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**: -

**Funding source**: Unknown

---

Maps showing the FME area and a regional view of the area.
## Flood Management Evaluation (FME)

**Title:** Evaluation of Mitigation Alternatives for Repetitive Flood Claim Properties in Galveston County

**ID #:** 061000151

**Sponsor (name of entity, not person):** Galveston (County)

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

### Study Details

<table>
<thead>
<tr>
<th>Study type</th>
<th>Project Planning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Study description</td>
<td>Evaluate Mitigation Alternatives of Repetitive Flood Claim Properties in Galveston County</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>New Hydrologic or Hydraulic model?</th>
<th>-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency Need?</td>
<td>-</td>
</tr>
<tr>
<td>Existing/Anticipated models in near term?</td>
<td>-</td>
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<table>
<thead>
<tr>
<th>County</th>
<th>Galveston</th>
</tr>
</thead>
<tbody>
<tr>
<td>Watershed HUC# (if known)</td>
<td>120402040300,120402040200,120402040400,120402040100</td>
</tr>
</tbody>
</table>

| Drainage area (Square miles, est.) | 665 |
| Goal(s) | 06000001,06000011,06000012,06000015 |

### 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th>171,395</th>
</tr>
</thead>
<tbody>
<tr>
<td># of structures</td>
<td>48,570</td>
</tr>
<tr>
<td>Critical facilities</td>
<td>681</td>
</tr>
</tbody>
</table>

| Flood risk type: | Riverine? Yes | Coastal? Yes | Local? No | Playa? No | Roadway(s) impacted (length) | 910 |
| Farm/Ranch land impacted (acres) | 3,412 |
| Number of low water crossings | 30 |
| Historical road closures | 30 |

### Estimated Cost and Funding Availability

| Total Cost | $100,000 |
| Amount of Available Funding | - |
| Federal funding availability | - |

---

**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? - Reason for Recommendation -

Study Details

Study type: Project Planning

Study description: Reinforcement of critical facilities to withstand high winds from severe weather.

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

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? Yes Coastal? No Local? No Playa? No Other? No

Farm/Ranch land impacted (acres): 1

Roadway(s) impacted (length): 0

Number of low water crossings: 0

Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $50,000

Amount of Available Funding: -

Federal funding availability: -

Funding source: -
# Flood Management Evaluation (FME)

**Title:** Fallbrook, Ridgepoint and Westpoint Subdivision Drainage Improvements

**ID:** 061000416

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

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

## Study Details

**Study type:** Project Planning

**Study description:** Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.

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

**County:** Harris

**Watershed HUC# (if known):** 120401040604, 120401040603

**Drainage area (Square miles, est.):** 2  
**Goal(s):** 06000001, 06000011, 06000012, 06000015

## 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th># of structures</th>
<th>Critical facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>366</td>
<td>114</td>
<td>5</td>
</tr>
</tbody>
</table>

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

**Farm/Ranch land impacted (acres):** -

**Number of low water crossings:** 0  
**Roadway(s) impacted (length):** 1  
**Historical road closures:** 0

## Estimated Cost and Funding Availability

<table>
<thead>
<tr>
<th>Total Cost</th>
<th>Amount of Available Funding</th>
<th>Federal funding availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>$30,000</td>
<td>-</td>
<td>-</td>
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</table>

**Funding source:** Unknown

---

![FME Area](image1.png)

![Regional view of FME area](image2.png)
# 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?
-  Reason for Recommendation -

### 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?**: -
- **Emergency Need?**: -
- **Existing/Anticipated models in near term?**: -
- **County**: Walker
- **Watershed HUC#: (if known)**: 120401010104, 120401010101, 120401010102, 120401010102
- **Drainage area (Square miles, est.)**: 798
- **Goal(s)**: 06000001, 06000011, 06000012, 06000015

### 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th># of structures</th>
<th>Critical facilities</th>
<th>Flood risk type</th>
<th>Farm/Ranch land impacted (acres)</th>
<th>Number of low water crossings</th>
<th>Roadway(s) impacted (length)</th>
<th>Historical road closures</th>
</tr>
</thead>
<tbody>
<tr>
<td>657</td>
<td>505</td>
<td>1</td>
<td>Riverine? Yes</td>
<td>180</td>
<td>2</td>
<td>25</td>
<td>2</td>
</tr>
<tr>
<td>Coastal? No</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Local? No</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Playa? No</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Estimated Cost and Funding Availability

- **Total Cost**: $100,000
- **Amount of Available Funding**: -
- **Federal funding availability**: -

---

[Maps showing FME Area and Regional view of FME area]
### Flood Management Evaluation (FME)

**Title:** FM518 Drainage Improvements - Phase 2

**ID#** 061000123

**Sponsor (name of entity, not person):** Friendswood (Municipality)

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

### Study Details

**Study type:** Project Planning  
**Study description:** Further study of component of 2007 Master Drainage Plan to include Atlas 14 rainfall

<table>
<thead>
<tr>
<th>New Hydrologic or Hydraulic model?</th>
<th>Emergency Need?</th>
<th>Existing/Anticipated models in near term?</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>County</th>
<th>Watershed HUC# (if known)</th>
<th>Drainage area (Square miles, est.)</th>
<th>Goal(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Galveston, Harris</td>
<td>120402040200,120402040100</td>
<td>21</td>
<td>06000001,06000011,06000012,06000015</td>
</tr>
</tbody>
</table>

### 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th># of structures</th>
<th>Critical facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>5,467</td>
<td>1,680</td>
<td>2</td>
</tr>
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<table>
<thead>
<tr>
<th>Flood type</th>
<th>Farm/Ranch land impacted (acres)</th>
<th>Roadway(s) impacted (length)</th>
<th>Number of low water crossings</th>
<th>Historical road closures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Riverine? Yes</td>
<td>18</td>
<td>38</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Coastal? Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Playa? No</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Local? No</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other? No</td>
<td></td>
<td></td>
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### Estimated Cost and Funding Availability

<table>
<thead>
<tr>
<th>Total Cost</th>
<th>Amount of Available Funding</th>
<th>Federal funding availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>$60,000</td>
<td>-</td>
<td>-</td>
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</tbody>
</table>

### Maps

- **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?: -
Reason for Recommendation: -

Study Details

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

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

County: Montgomery
Watershed HUC#: 120401010207,120401010401
Drainage area (Square miles, est.): 2

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? Yes
Local? No
Playa? 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: -

Funding source: -
### Flood Management Evaluation (FME)

**Title**: Fort Bend County - Big Creek Project

**ID#**: 061000101

**Sponsor**: Fort Bend County Drainage District

**RFPG recommend?**: -

**Reason for Recommendation**: -

#### Study Details

<table>
<thead>
<tr>
<th>Study type</th>
<th>Project Planning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Study description</td>
<td>Further study of Big Creek channel improvements and wetland mitigation sites.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>New Hydrologic or Hydraulic model?</th>
<th>-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency Need?</td>
<td>-</td>
</tr>
<tr>
<td>Existing/Anticipated models in near term?</td>
<td>-</td>
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</table>

<table>
<thead>
<tr>
<th>County</th>
<th>Fort Bend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Watershed HUC# (if known)</td>
<td>120401040102, 120401040103, 120401040104, 120401040101, 12040104010</td>
</tr>
<tr>
<td>Drainage area (Square miles, est.)</td>
<td>883</td>
</tr>
<tr>
<td>Goal(s)</td>
<td>06000001, 06000011, 06000012, 06000015</td>
</tr>
</tbody>
</table>

#### 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th>5,899</th>
</tr>
</thead>
<tbody>
<tr>
<td># of structures</td>
<td>1,540</td>
</tr>
<tr>
<td>Critical facilities</td>
<td>11</td>
</tr>
<tr>
<td>Flood risk type:</td>
<td>Riverine? Yes, Coastal? No, Local? No, Playa? No</td>
</tr>
<tr>
<td>Roadway(s) impacted (length)</td>
<td>18</td>
</tr>
<tr>
<td>Number of low water crossings</td>
<td>6</td>
</tr>
<tr>
<td>Historical road closures</td>
<td>6</td>
</tr>
</tbody>
</table>

#### Estimated Cost and Funding Availability

| Total Cost | $230,000 |
| Amount of Available Funding | - |
| Federal funding availability | - |
| Funding source | - |
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? - Reason for Recommendation -

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

County: Fort Bend, Harris, Waller

Watershed HUC# (if known): 120401040102, 120401040103, 120401040104, 120401040105, 120401040101, 120401040100

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 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: $330,000

Amount of Available Funding: -

Federal funding availability: -

Funding source: Unknown

---

Regional view of FME area
Flood Management Evaluation (FME)

Title: G103-38-00 (Kingwood Diversion Ditch)
ID#: 061000360
Sponsor: Harris County Flood Control District
RFPG recommend?: -
Reason for Recommendation: -

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?: -
Emergency Need?: -
Existing/Anticipated models in near term?: -
County: Harris
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: -
Funding source: -
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?** - **Reason for Recommendation** -

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

**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

**Number of low water crossings**: 2

**Roadway(s) impacted (length)**: 58

**Historical road closures**: 2

### Estimated Cost and Funding Availability

**Total Cost**: $30,000

**Amount of Available Funding**: -

**Federal funding availability**: -
### 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?**: -

**Reason for Recommendation**: -

### Study Details

<table>
<thead>
<tr>
<th>Study type</th>
<th>Project Planning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Study description</td>
<td>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.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>County</th>
<th>Harris</th>
</tr>
</thead>
<tbody>
<tr>
<td>Watershed HUC# (if known)</td>
<td>120401040706,120402040100</td>
</tr>
</tbody>
</table>

| 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? | Yes |
| Coastal?                  | Yes |
| Local? No                | No |
| Playa? No Other? No | No |

| Farm/Ranch land impacted (acres) | - |
| Roadway(s) impacted (length) | - |
| Historical road closures | - |

### Estimated Cost and Funding Availability

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

### Maps

- **FME Area**: FME Area
- **Regional view of 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?: - Reason for Recommendation: -

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. 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?: - Emergency Need?: - Existing/Anticipated models in near term?: -

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? Yes Coastal? Yes Local? No Playa? No Other? No

Roadway(s) impacted (length): 4 Historical road closures: 0

Farm/Ranch land impacted (acres): 0

Number of low water crossings: 0

Estimated Cost and Funding Availability

Total Cost: $30,000

Amount of Available Funding: - Federal funding availability: -

Funding source: -

---

Map: 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?: -

Reason for Recommendation:

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?: -

Emergency Need?: -

Existing/Anticipated models in near term?: -

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 type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Roadway(s) impacted (length): 5

Number of low water crossings: 0

Number of historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $30,000

Amount of Available Funding: -

Federal funding availability: -

Funding source: Harris County, City of La Porte

La Porte

FME Area

Morgans Point

Regional view of FME area

San Jacinto Regional Flood Planning Group

Region 6
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? - Reason for Recommendation -

Study Details

Study type: Project Planning

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

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? Yes Local? No Playa? No Other? No

Farm/Ranch land impacted (acres): 18

Number of low water crossings: 0

Roadway(s) impacted (length): 55

Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $700,000

Amount of Available Funding: -

Federal funding availability: -

Funding source: -