**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?** - **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)**: 120401040605,120401040601,120401040302,120401040604,1204010406000001,06000011,06000012,06000015

**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>5,511</td>
<td>1,432</td>
<td>8</td>
</tr>
</tbody>
</table>

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

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

**Number of low water crossings**: 1

**Roadway(s) impacted (length)**: 10

**Historical road closures**: 1

### 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>
</tr>
</tbody>
</table>

**Funding source**: Unknown

---

**Regional view of FME area**

**FME Area**

---

**San Jacinto Regional Flood Planning Group**

**Region 6**

---

**INSERT LOGO HERE**
Flood Management Evaluation (FME)

**Title:** Harris County Wide - Investigation of City of Houston Properties for Conversion to Stormwater Detention Basins

**ID:** 061000197

**Sponsor:** Harris County Flood Control District

**RFPG recommend?** -  

**Reason for Recommendation** -

### 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?** -  

**Emergency Need?** -  

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

**County:** Harris

**Watershed HUC# (if known):** 120401020104,120401020106,120401040601,120401040305,120401040104

**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: Yes
- Local: No
- Playa: Yes
- Other: Yes

**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:** -

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

Title: Hickory Slough (Upper Segment)
ID#: 061000057
Sponsor (name of entity, not person): Pearland (Municipality)
RFPG recommend?: -
Reason for Recommendation: -

### Study Details

<table>
<thead>
<tr>
<th>Study type</th>
<th>Project Planning</th>
</tr>
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<tbody>
<tr>
<td>Study description</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>
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### 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th>1,269</th>
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</thead>
<tbody>
<tr>
<td># of structures</td>
<td>413</td>
</tr>
<tr>
<td>Critical facilities</td>
<td>4</td>
</tr>
<tr>
<td>Flood risk type:</td>
<td>Riverine? Yes</td>
</tr>
<tr>
<td>Coastal? No</td>
<td></td>
</tr>
<tr>
<td>Local? No</td>
<td></td>
</tr>
<tr>
<td>Playa? No</td>
<td></td>
</tr>
<tr>
<td>Farm/Ranch land impacted (acres)</td>
<td>6</td>
</tr>
<tr>
<td>Number of low water crossings</td>
<td>0</td>
</tr>
<tr>
<td>Roadway(s) impacted (length)</td>
<td>2</td>
</tr>
<tr>
<td>Historical road closures</td>
<td>0</td>
</tr>
<tr>
<td>Watershed HUC# (if known)</td>
<td>120402040100</td>
</tr>
</tbody>
</table>

### Estimated Cost and Funding Availability

| Total Cost | $1,136,000 |
| Amount of Available Funding | - |
| Federal funding availability | - |

| New Hydrologic or Hydraulic model? | - |
| Emergency Need? | - |
| Existing/Anticipated models in near term? | - |
| County | Brazoria |
| Drainage area (Square miles, est.) | 5 |
| Goal(s) | 06000001,06000011,06000012,06000015 |

Regional view of FME area

FME Area

San Jacinto Regional Flood Planning Group
Region 6
### Flood Management Evaluation (FME)

**Title**
- Hickory Slough Lower Segment

**ID**
- 061000065

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

**RFPG recommend?**
- -

**Reason for Recommendation**
- -

### Study Details

<table>
<thead>
<tr>
<th>Study type</th>
<th>Project Planning</th>
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<tbody>
<tr>
<td>Study description</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>
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### 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th>1,648</th>
<th># of structures</th>
<th>424</th>
<th>Critical facilities</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flood risk type:</td>
<td>Riverine? Yes</td>
<td>Coastal? No</td>
<td>Local? No</td>
<td>Playa? No</td>
<td>Other? No</td>
</tr>
<tr>
<td>Farm/Ranch land impacted (acres)</td>
<td>5</td>
<td>Roadway(s) impacted (length)</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of low water crossings</td>
<td>0</td>
<td>Historical road closures</td>
<td>0</td>
<td></td>
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### Estimated Cost and Funding Availability

<table>
<thead>
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<th>$1,048,000</th>
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<tr>
<td>Federal funding availability</td>
<td>-</td>
</tr>
<tr>
<td>Funding source</td>
<td>-</td>
</tr>
</tbody>
</table>

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![FME Area](FME Area.png)

![Regional view of FME area](Regional view of FME area.png)
# Flood Management Evaluation (FME)

## Title
Hickory Slough Middle Segment

## ID
061000060

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

## RFPG recommend?
- Reason for Recommendation -

### Study Details

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

<table>
<thead>
<tr>
<th>County</th>
<th>Brazoria</th>
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<td>Watershed HUC# (if known)</td>
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<table>
<thead>
<tr>
<th>Drainage area (Square miles, est.)</th>
<th>2</th>
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<tbody>
<tr>
<td>Goal(s)</td>
<td>060000001,060000011,060000012,060000015</td>
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### 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th>1,596</th>
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</thead>
<tbody>
<tr>
<td># of structures</td>
<td>353</td>
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<tr>
<td>Critical facilities</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flood risk type</th>
<th>Riverine?</th>
<th>Yes</th>
<th>Coastal?</th>
<th>No</th>
<th>Local?</th>
<th>No</th>
<th>Playa?</th>
<th>No</th>
<th>Other?</th>
<th>No</th>
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</thead>
<tbody>
<tr>
<td>Farm/Ranch land impacted (acres)</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Number of low water crossings</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roadway(s) impacted (length)</td>
<td>4</td>
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<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Historical road closures</td>
<td>0</td>
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<td></td>
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### Estimated Cost and Funding Availability

<table>
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<tbody>
<tr>
<td>Amount of Available Funding</td>
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<tr>
<td>Federal funding availability</td>
<td>-</td>
</tr>
</tbody>
</table>

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

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

**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

<table>
<thead>
<tr>
<th>Population at risk</th>
<th># of structures</th>
<th>Critical facilities</th>
<th>Flood type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>20,978</td>
<td>5,251</td>
<td>25</td>
<td>Riverine? Yes</td>
</tr>
<tr>
<td>Coastal? Yes</td>
<td>Local? No</td>
<td>Roadway(s) impacted (length) 105</td>
<td></td>
</tr>
<tr>
<td>Farm/Ranch land impacted (acres) 1,308</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of low water crossings 2</td>
<td>Historical road closures 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flood risk type:</td>
<td>Coastal?</td>
<td>Local?</td>
<td>Playa?</td>
</tr>
<tr>
<td>Riverine? Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Coastal? Yes</td>
<td></td>
<td></td>
<td>No</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>$200,000</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**Funding source:** -

---

![FME Area Map](image1)

![Regional view of FME area](image2)
Flood Management Evaluation (FME)

Title: Hostetter and Gourd Creek Bridges Elevation Evaluation

ID#: 061000130

Sponsor (name of entity, not person): Walker (County)

RFPG recommend?: -

Reason for Recommendation: -

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?: -

Emergency Need?: -

Existing/Anticipated models in near term?: -

County: Montgomery, San Jacinto, Walker

Watershed HUC#: 120401010202, 120401010204, 120401030101, 120401030301, 1204010303

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? Yes, Coastal? No, Local? No, Playa? 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: $50,000

Amount of Available Funding: -

Federal funding availability: -
Flood Management Evaluation (FME)

Title: Houston Braeburn Glen Area Flood Mitigation

ID#: 061000384

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

RFPG recommend?: -
Reason for Recommendation: -

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

County: Fort Bend, Harris
Watershed HUC#: 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 type: Riverine? Yes, Coastal? No, Local? No, Playa? No
Roadway(s) impacted (length): 412
Historical road closures: 1

Farm/Ranch land impacted (acres): 42
Number of low water crossings: 1

Estimated Cost and Funding Availability

Total Cost: $315,000
Amount of Available Funding: -
Federal funding availability: -

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

## Title
Houston Fifth Area Flood Mitigation

## ID
061000417

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

## 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 to develop this project into a FMP. This unfunded CDBG-MIT application involves installing various storm sewer infrastructure in the Fifth Ward within the City of Houston.</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>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>County</th>
<th>Harris</th>
</tr>
</thead>
<tbody>
<tr>
<td>Watershed HUC# (if known)</td>
<td>120401040701</td>
</tr>
<tr>
<td>Drainage area (Square miles, est.)</td>
<td>41</td>
</tr>
</tbody>
</table>

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

### 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th>34,532</th>
</tr>
</thead>
<tbody>
<tr>
<td># of structures</td>
<td>6,262</td>
</tr>
<tr>
<td>Critical facilities</td>
<td>112</td>
</tr>
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</table>

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

<table>
<thead>
<tr>
<th>Farm/Ranch land impacted (acres)</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roadway(s) impacted (length)</td>
<td>101</td>
</tr>
<tr>
<td>Historical road closures</td>
<td>6</td>
</tr>
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### Estimated Cost and Funding Availability

<table>
<thead>
<tr>
<th>Total Cost</th>
<th>$5,000,000</th>
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<tbody>
<tr>
<td>Amount of Available Funding</td>
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<td>Federal funding availability</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Funding source</th>
<th>CDBG-MIT</th>
</tr>
</thead>
</table>

---

![FME Area Map](image1.png)

![Regional view of FME area](image2.png)
Flood Management Evaluation (FME)

Title: Houston Huntington Village Area Flood Mitigation

ID#: 061000419

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

RFPG recommend?: -
Reason for Recommendation: -

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

County: Fort Bend, Harris
Watershed HUC#: 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? Yes
Coastal? No
Local? No
Playa? 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: $3,890,000
Amount of Available Funding: -
Federal funding availability: -

Funding source: CDBG-MIT
Flood Management Evaluation (FME)

**Title**: Houston Kashmere Gardens Area Flood Mitigation

**ID**: 061000434

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

**RFPG recommend?**: -

**Reason for Recommendation**: -

### Study Details

**Study type**: Project Planning

**Study description**: Further study to develop this project into a FMP. The project includes improvements to storm sewer, roadside ditch systems, culverts, sewer inlets, and the construction of detention basins.

- **New Hydrologic or Hydraulic model?**: -
- **Emergency Need?**: -
- **Existing/Anticipated models in near term?**: -
- **County**: Harris
- **Watershed HUC# (if known)**: 120401040703,120401040604,120401040606,120401040304,120401040200
- **Drainage area (Square miles, est.)**: 31
- **Goal(s)**: 06000001,06000011,06000012,06000015

### 100-Year Flood Risk Summary

- **Population at risk**: 34,523
- **# of structures**: 6,244
- **Critical facilities**: 98
- **Flood type**: Riverine? Yes, Coastal? Yes, 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**: $4,967,000
- **Amount of Available Funding**: -
- **Federal funding availability**: -

**Funding source**: CDBG-MIT
Flood Management Evaluation (FME)

<table>
<thead>
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<th>Title</th>
<th>Houston Port Area Flood Mitigation</th>
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<tbody>
<tr>
<td>ID#</td>
<td>061000418</td>
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<tr>
<td>Sponsor</td>
<td>Houston (Municipality)</td>
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<tr>
<td>RFPG recommend?</td>
<td>-</td>
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### Study Details

<table>
<thead>
<tr>
<th>Study type</th>
<th>Project Planning</th>
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</thead>
<tbody>
<tr>
<td>Study description</td>
<td>Further study to develop this project into a FMP. The project includes storm sewer improvements on nearly every street in the Pleasantville neighborhood to improve conveyance capacity and construction of a detention basin.</td>
</tr>
</tbody>
</table>

| New Hydrologic or Hydraulic model? | - |
| Emergency Need? | - |
| Existing/Anticipated models in near term? | - |
| County | Harris |
| Watershed HUC# (if known) | 120401040701 |
| Drainage area (Square miles, est.) | 41 |
| Goal(s) | 06000001,06000011,06000012,06000015 |

### 100-Year Flood Risk Summary

| Population at risk | 34,532 |
| # of structures | 6,262 |
| Critical facilities | 112 |
| Flood type | Riverine? Yes, Coastal? Yes, Local? No, Playa? No, Other? No |
| Farm/Ranch land impacted (acres) | 20 |
| Number of low water crossings | 6 |
| Roadway(s) impacted (length) | 101 |
| Historical road closures | 6 |

### Estimated Cost and Funding Availability

| Total Cost | $4,901,000 |
| Amount of Available Funding | - |
| Federal funding availability | - |
| Funding source | CDBG-MIT |
Flood Management Evaluation (FME)

Title: Houston Sunnyside Area Flood Mitigation
ID#: 061000468
Sponsor (name of entity, not person): Houston (Municipality)
RFPG recommend?: -
Reason for Recommendation: -

Study Details

Study type: Project Planning
Study description: Further study to develop into a FMP. 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.

New Hydrologic or Hydraulic model? -
Emergency Need? -
Existing/Anticipated models in near term? -
County: Harris
Watershed HUC# (if known): 120401040402, 120401040502, 120402040100
Drainage area (Square miles, est.): 24
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? No
Playa? No
Roadway(s) impacted (length): 2
Number of low water crossings: 0
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $2,000,000
Amount of Available Funding: -
Federal funding availability: -

Funding source: -
Flood Management Evaluation (FME)

Title: Hunington - Stewarts Creek Watershed

ID# 061000456

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, 120401010403, 120401010401, 120401010402, 120401010

Drainage area (Square miles, est.): 20

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? No

Playa? 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: -
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?: -
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. Denver Harbor drainage system improvements.

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

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? Yes Local? No 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: -
Funding source: -
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?** - **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. Diversion channel expansion for Gellhorn Drive flood reductions.

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

**County:** Harris

**Watershed HUC# (if known):** 12040104060, 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?** Yes  **Local?** No  **Playa?** No  **Other?** No

**Farm/Ranch land impacted (acres):** 1

**Number of low water crossings:** 2

**Roadway(s) impacted (length):** 13

**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: Hunting Bayou Watershed Study

ID#: 061000182

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

RFPG recommend? - Reason for Recommendation -

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

County: Harris

Watershed HUC# (if known): 120401040703, 120401040604, 120401040606, 120401040304, 120401040400, 120401040400

Drainage area (Square miles, est.): 31

Goal(s): 06000001, 060000010, 060000015

100-Year Flood Risk Summary

Population at risk: 34,523

# of structures: 6,244

Critical facilities: 98

Flood type: Riverine? Yes

Coastal? Yes

Local? No

Playa? 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: $800,000

Amount of Available Funding: -

Federal funding availability: -

Funding source: -
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?: -
Reason for Recommendation: -

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?: -
Emergency Need?: -
Existing/Anticipated models in near term?: -
County: Harris
Watershed HUC#: 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? Yes, Local? No, Playa? 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: -
Funding source: Harris County, Harris County Flood Control District, City of Pasedena CIP

Map

FME Area: Pasadena
Regional view of FME area: San Jacinto Regional Flood Planning Group Region 6

San Jacinto Regional Flood Planning Group
Region 6
College Station
Victoria
96
Angelina
National Forest
Sam Houston
National Forest
The Woodlands
...
Flood Management Evaluation (FME)

Title: 1I00-WP06 for Vince Bayou Watershed Planning Project

ID#: 061000329

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. Right-of-way acquisition, design, and construction of a stormwater detention basin and scannel widening near Strawberry Road and Young Street

New Hydrologic or Hydraulic model?: -

Emergency Need?: -

Existing/Anticipated models in near term?: -

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 type: Riverine? Yes

Coastal? Yes

Local? No

Playa? 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: -

Funding source: -
Flood Management Evaluation (FME)

**Title:** I100-WP07 for Vince Bayou Watershed Planning Project

**ID:** 061000331

**Sponsor:** Harris (County)

**RFPG recommend?** -

**Reason for Recommendation** -

---

**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?** -

**Emergency Need?** -

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

**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 type:**
- Riverine: Yes
- Coastal: Yes
- Local: No
- Playa: No

**Farm/Ranch land impacted (acres):** 2

**Number of low water crossings:** 1

**Roadway(s) impacted (length):** 14

**Historical road closures:** 1

---

**Estimated Cost and Funding Availability**

**Total Cost:** $30,000

**Amount of Available Funding:** -

**Federal funding availability:** -

---

**FME Area Regional view of FME area**
Title: 1100-WP10 for Vince Bayou Watershed Planning Project

ID#: 061000330

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. Right-of-way acquisition, Design, and Construction of Two Stormwater Detention Basins near Westside Dr. and Westside Ct.

New Hydrologic or Hydraulic model?: -

Emergency Need?: -

Existing/Anticipated models in near term?: -

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

Farm/Ranch land impacted (acres): 2

Number of low water crossings: 1

Roadway(s) impacted (length): 14

Historical road closures: 1

Estimated Cost and Funding Availability

Total Cost: $30,000

Amount of Available Funding: -

Federal funding availability: -

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?** - **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. Right-of-way acquisition, Design, and Construction of Stormwater Detention Basins near Spencer Hwy. and Tulip Street</td>
</tr>
<tr>
<td>New Hydrologic or Hydraulic model?</td>
<td>-</td>
</tr>
<tr>
<td>Emergency Need?</td>
<td>-</td>
</tr>
<tr>
<td>Existing/Anticipated models in near term?</td>
<td>-</td>
</tr>
<tr>
<td>County</td>
<td>Harris</td>
</tr>
<tr>
<td>Watershed HUC# (if known)</td>
<td>120401040703,120401040502,120402040100</td>
</tr>
<tr>
<td>Drainage area (Square miles, est.)</td>
<td>4</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>4,153</th>
</tr>
</thead>
<tbody>
<tr>
<td># of structures</td>
<td>948</td>
</tr>
<tr>
<td>Critical facilities</td>
<td>8</td>
</tr>
</tbody>
</table>

| Flood risk type: | Riverine? | Yes |
| Coastal? | Yes |
| Local? | No |
| Playa? | No |
| Farm/Ranch land impacted (acres) | 2 |
| Number of low water crossings | 1 |
| Roadway(s) impacted (length) | 14 |
| Historical road closures | 1 |

#### Estimated Cost and Funding Availability

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

---

**FME Area Regional view of FME area**

**FME Area**

- Pasadena
- Golden Acres
- East Haven
- Genoa
- Allendale
- South Houston

**Regional view of FME area**

- College Station
- Sam Houston National Forest
- The Woodlands
- Beaumont
- Houston
### 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?** -  
**Reason for Recommendation** -

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

**County:** Galveston

**Watershed HUC# (if known):** 120402040200

**Drainage area (Square miles, est.):** 14

<table>
<thead>
<tr>
<th>Goal(s)</th>
<th>06000001,06000011,06000012,06000015</th>
</tr>
</thead>
</table>

#### 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th>1,612</th>
</tr>
</thead>
<tbody>
<tr>
<td># of structures</td>
<td>829</td>
</tr>
<tr>
<td>Critical facilities</td>
<td>8</td>
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</table>

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

<table>
<thead>
<tr>
<th>Farm/Ranch land impacted (acres)</th>
<th>38</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of low water crossings</td>
<td>1</td>
</tr>
<tr>
<td>Roadway(s) impacted (length)</td>
<td>31</td>
</tr>
<tr>
<td>Historical road closures</td>
<td>1</td>
</tr>
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</table>

**FME Area Regional view of FME area**

#### Estimated Cost and Funding Availability

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

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.

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? Yes

Coastal? Yes

Local? No

Playa? No

Farm/Ranch land impacted (acres): 1

Roadway(s) impacted (length): 12

Number of low water crossings: -

Number of historical road closures: -

Estimated Cost and Funding Availability

Total Cost: $80,000

Amount of Available Funding: -

Federal funding availability: -

Funding source: -

100-Year Flood Risk Summary

Population at risk: 3,492

# of structures: 562

Critical facilities: 7

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Farm/Ranch land impacted (acres): 1

Roadway(s) impacted (length): 12

Number of low water crossings: -

Number of historical road closures: -

Estimated Cost and Funding Availability

Total Cost: $80,000

Amount of Available Funding: -

Federal funding availability: -

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

### Study Details

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

#### Study Type
- **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.

<table>
<thead>
<tr>
<th>New Hydrologic or Hydraulic model?</th>
<th>-</th>
<th>Emergency Need?</th>
<th>-</th>
<th>Existing/Anticipated models in near term?</th>
<th>-</th>
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</thead>
<tbody>
<tr>
<td>County</td>
<td>Harris</td>
<td>Watershed HUC# (if known)</td>
<td>120401040704</td>
<td>Drainage area (Square miles, est.)</td>
<td>1</td>
</tr>
<tr>
<td>Goal(s)</td>
<td>060000001,060000011,060000012,06000015</td>
<td></td>
<td></td>
<td></td>
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</table>

### 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th>598</th>
<th># of structures</th>
<th>111</th>
<th>Critical facilities</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flood risk type:</td>
<td>Riverine?</td>
<td>Yes</td>
<td>Coastal?</td>
<td>No</td>
<td>Local?</td>
</tr>
<tr>
<td>Farm/Ranch land impacted (acres)</td>
<td>2</td>
<td>Roadway(s) impacted (length)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of low water crossings</td>
<td>0</td>
<td>Historical road closures</td>
<td>0</td>
<td></td>
<td></td>
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</table>

### Estimated Cost and Funding Availability

<table>
<thead>
<tr>
<th>Total Cost</th>
<th>$30,000</th>
<th>Amount of Available Funding</th>
<th>-</th>
<th>Federal funding availability</th>
<th>-</th>
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</thead>
<tbody>
<tr>
<td>Funding source</td>
<td>Harris County Precinct 2, Harris County Engineering Department-Recovery and</td>
<td></td>
<td></td>
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**FME Area Regional view of FME area**

**FME Area**

**Crosby**
**Flood Management Evaluation (FME)**

**Title:** Jamica Cove Rd. Survey

**ID:** 061000145

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

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

### Study Details

<table>
<thead>
<tr>
<th>Study type</th>
<th>Study description</th>
</tr>
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<tbody>
<tr>
<td><strong>Project Planning</strong></td>
<td>Engineering assessment needed to determine if elevating the road would reduce future flooding impacts.</td>
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</table>

### 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th># of structures</th>
<th>Critical facilities</th>
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</thead>
<tbody>
<tr>
<td>395</td>
<td>1,276</td>
<td>4</td>
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<table>
<thead>
<tr>
<th>Flood risk type</th>
<th>Yes</th>
<th>Yes</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>Yes</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></td>
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<table>
<thead>
<tr>
<th>Farm/Ranch land impacted (acres)</th>
<th>Roadway(s) impacted (length)</th>
<th>Historical road closures</th>
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</thead>
<tbody>
<tr>
<td>3</td>
<td>14</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>
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<tbody>
<tr>
<td>$50,000</td>
<td>-</td>
<td>-</td>
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**County:** Galveston

**Watershed HUC# (if known):** 120402040300

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

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

---

**FME Area Regional view of FME area**

**Regional view of FME area**

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**Figures:**

1. Map of Jamaica Beach highlighting the FME area.
2. Map of the regional view showing the FME area within the context of the surrounding area, including major cities like Houston, Beaumont, College Station, and Victoria.
Title: **Lake Shadows Subdivision Drainage Improvements**

ID#: 061000027

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

RFPG recommend?: -

Reason for Recommendation: -

**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?: -

Emergency Need?: -

Existing/Anticipated models in near term?: -

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 type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Roadway(s) impacted (length): -

Historical road closures: 0

Farm/Ranch land impacted (acres): 0

Number of low water crossings: 0

Flood risk type: Coastal? No

Local? No

Playa? No

Roadway(s) impacted (length): -

Historical road closures: 0

**Estimated Cost and Funding Availability**

Total Cost: $340,000

Amount of Available Funding: -

Federal funding availability: -

Funding source: -
### Study Details

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<th>Study type</th>
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<tbody>
<tr>
<td>Study description</td>
<td>Further study of proposed slope paving (concrete lining) improvements</td>
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<table>
<thead>
<tr>
<th>New Hydrologic or Hydraulic model? -</th>
<th>Emergency Need? -</th>
<th>Existing/Anticipated models in near term? -</th>
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<tbody>
<tr>
<td>County: Galveston, Harris</td>
<td>Watershed HUC# (if known): 120402040200, 120402040100</td>
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</tr>
<tr>
<td>Drainage area (Square miles, est.): 53</td>
<td>Goal(s): 06000001, 06000011, 06000012, 06000015</td>
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</table>

### 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk: 20,978</th>
<th># of structures: 5,251</th>
<th>Critical facilities: 25</th>
</tr>
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<tbody>
<tr>
<td>Flood risk type: Riverine? Yes</td>
<td>Coastal? Yes</td>
<td>Local? No</td>
</tr>
<tr>
<td>Farm/Ranch land impacted (acres): 1,308</td>
<td>Roadway(s) impacted (length): 105</td>
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</tr>
<tr>
<td>Number of low water crossings: 2</td>
<td>Historical road closures: 2</td>
<td></td>
</tr>
<tr>
<td>Flood risk type: Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Playa? No</td>
<td>Other? No</td>
<td></td>
</tr>
</tbody>
</table>

### Estimated Cost and Funding Availability

<table>
<thead>
<tr>
<th>Total Cost: $100,000</th>
<th>Amount of Available Funding: -</th>
</tr>
</thead>
<tbody>
<tr>
<td>Funding source: -</td>
<td>Federal funding availability: -</td>
</tr>
</tbody>
</table>