Flood Management Evaluation (FME)

Title: 37th Street, Galveston, Drainage Project

ID#: 061000311

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

RFPG recommend?: -

Reason for Recommendation: -

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?: -

Emergency Need?: -

Existing/Anticipated models in near term?: -

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 type: Riverine? Yes, Coastal? Yes, Local? No, Playa? 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: $4,000,000

Amount of Available Funding: -

Federal funding availability: -

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

## Study Details

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

## 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th>3,061</th>
</tr>
</thead>
<tbody>
<tr>
<td># of structures</td>
<td>692</td>
</tr>
<tr>
<td>Critical facilities</td>
<td>12</td>
</tr>
<tr>
<td>Flood risk type:</td>
<td>Riverine? Yes</td>
</tr>
<tr>
<td>Coastal? No</td>
<td>No</td>
</tr>
<tr>
<td>Local? No</td>
<td>No</td>
</tr>
<tr>
<td>Roadway(s) impacted (length)</td>
<td>12</td>
</tr>
<tr>
<td>Historical road closures</td>
<td>0</td>
</tr>
</tbody>
</table>

## Estimated Cost and Funding Availability

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

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

County: Harris

Watershed HUC# (if known) 120401040102,120401040202,120401040104,120401040203,120401040105

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 -
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?: - Reason for Recommendation: -

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

County: Harris

Watershed HUC# (if known): 120401040102,120401040202,120401040104,120401040203,120401040104

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: -

Funding source: -
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? -

Reason for Recommendation -

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? -

Emergency Need? -

Existing/Anticipated models in near term? -

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? No 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 -

Funding source -
Flood Management Evaluation (FME)

Title: Addicks Reservoir Watershed Study
ID#: 061000177
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>Watershed Planning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Study description</td>
<td>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</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>
</table>

<table>
<thead>
<tr>
<th>County</th>
<th>Harris,Waller</th>
</tr>
</thead>
<tbody>
<tr>
<td>Watershed HUC# (if known)</td>
<td>120401020103,120401040102,120401040202,120401040104,120401040</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Drainage area (Square miles, est.)</th>
<th>138</th>
</tr>
</thead>
<tbody>
<tr>
<td>Goal(s)</td>
<td>06000001,06000010,06000015</td>
</tr>
</tbody>
</table>

100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th>11,473</th>
</tr>
</thead>
<tbody>
<tr>
<td># of structures</td>
<td>3,746</td>
</tr>
<tr>
<td>Critical facilities</td>
<td>53</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Farm/Ranch land impacted (acres)</th>
<th>1,607</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roadway(s) impacted (length)</td>
<td>114</td>
</tr>
<tr>
<td>Historical road closures</td>
<td>0</td>
</tr>
</tbody>
</table>

Estimated Cost and Funding Availability

<table>
<thead>
<tr>
<th>Total Cost</th>
<th>$1,000,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amount of Available Funding</td>
<td>-</td>
</tr>
<tr>
<td>Federal funding availability</td>
<td>-</td>
</tr>
</tbody>
</table>

Flood Management Evaluation (FME) Regional view of FME area

FME Area

Regional view of FME area
Flood Management Evaluation (FME)

Title: Annalea/Whitehall Kings Park Drainage - Drainage Improvements Phase 2
ID#: 061000146
Sponsor (name of entity, not person): Friendswood (Municipality)
RFPG recommend?: -
Reason for Recommendation: -

Study Details

Study type: Project Planning
Study description: Further study of proposed drainage improvements to Stafford Oaks

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.): 21
Goal(s): 06000001, 06000011, 06000012, 06000015

100-Year Flood Risk Summary

Population at risk: 5,467
# of structures: 1,680
Critical facilities:
Flood type: Riverine? Yes, Coastal? Yes, Local? No, Playa? No
Farm/Ranch land impacted (acres): 18
Number of low water crossings: 5
Roadway(s) impacted (length): 38
Historical road closures: 5

Estimated Cost and Funding Availability

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

Funding source: -
# Flood Management Evaluation (FME)

**Title:** April Sound Subdivision Evaluation  
**ID:** 061000214  
**Sponsor (name of entity, not person):** Conroe (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>Detailed analysis to be completed for the entire development using detailed storm sewer modeling</td>
</tr>
<tr>
<td>New Hydrologic or Hydraulic model?</td>
<td>-</td>
</tr>
<tr>
<td>Emergency Need?</td>
<td>-</td>
</tr>
<tr>
<td>County</td>
<td>Montgomery</td>
</tr>
<tr>
<td>Watershed HUC# (if known)</td>
<td>120401010207,120401010401,120401010402</td>
</tr>
<tr>
<td>Drainage area (Square miles, est.)</td>
<td>100</td>
</tr>
<tr>
<td>Goal(s)</td>
<td>060000001,060000011,060000012,060000015</td>
</tr>
</tbody>
</table>

## 100-Year Flood Risk Summary

| Population at risk | 14,964 | 
| # of structures    | 3,465  |
| Critical facilities| 46     |
| Flood type:        | Riverine? Yes, Coastal? No, Local? No, Playa? No |
| Farm/Ranch land impacted (acres) | 98 |
| Number of low water crossings | 18 |
| Roadway(s) impacted (length) | 84 |
| Historical road closures | 18 |
| Flood risk type: | Coastal? No, Local? No, Playa? No |

## Estimated Cost and Funding Availability

| Total Cost | $50,000 |
| Amount of Available Funding | - |
| Federal funding availability | - |
| Funding source | - |
Flood Management Evaluation (FME)

**Title:** Arcadian Gardens Subdivision Drainage Improvements

**ID #:** 061000317

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

**RFPG recommend?** -

### 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?** -

**Emergency Need?** -

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

<table>
<thead>
<tr>
<th>County</th>
<th>Watershed HUC# (if known)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris</td>
<td>120401040704</td>
</tr>
</tbody>
</table>

**Drainage area (Square miles, est.):** 0

**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</td>
<td>5</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flood risk type</th>
<th>Coastal?</th>
<th>Local?</th>
<th>Playa?</th>
<th>Roadway(s) impacted (length)</th>
<th>Historical road closures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Riverine? Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>0</td>
<td>-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Farm/Ranch land impacted (acres)</th>
<th>Number of low water crossings</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**Flood risk type:** Yes

**Emergency Need:** No

**New Hydrologic or Hydraulic model:** No

**Emergency Need:** No

**Critical facilities:** 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>$30,000</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**Funding source:** -
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?:** -

**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. 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?:** -

**Emergency Need?:** -

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

**County:** Harris

**Watershed HUC# (if known):** 120402040100

**Drainage area (Square miles, est.):** 5

**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>468</td>
<td>63</td>
<td>0</td>
</tr>
</tbody>
</table>

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

| Farm/Ranch land impacted (acres) | 6 |

| Number of low water crossings | 0 |

| Roadway(s) impacted (length) | 3 |

| Historical road closures | 0 |

**Estimated Cost and Funding Availability**

| Total Cost | $30,000 |

| Amount of Available Funding | - |

| Federal funding availability | - |
Flood Management Evaluation (FME)

Title: Armand Bayou Watershed- Basin Expansion and Extension and H&H Study (Phases 1 + 2)

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

RFPG recommend?: -

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?: -

Emergency Need?: -

Existing/Anticipated models in near term?: -

County: Harris

Watershed HUC# (if known): 120402040100

Drainage area (Square miles, est.): 1

Goal(s): 060000001, 060000011, 06000012, 06000015

100-Year Flood Risk Summary

Population at risk: 2,154

# of structures: 371

Critical facilities: 0

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

Farm/Ranch land impacted (acres): 0

Roadway(s) impacted (length): 4

Number of low water crossings: 0

Estimated Cost and Funding Availability

Total Cost: $30,000

Amount of Available Funding: -

Federal funding availability: -

Funding source: HCFCD
Flood Management Evaluation (FME)

Title: Artesian Forest 1 - Artesian Creek Watershed
ID#: 061000443
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
Drainage area (Square miles, est.): 1
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: Yes
Yes
No
No
Yes
No
Yes
No
No
No

Farm/Ranch land impacted (acres): 597
Roadway(s) impacted (length): 578
Number of low water crossings: 16
Historical road closures: 16

Estimated Cost and Funding Availability
Total Cost: $30,000
Amount of Available Funding: -
Federal funding availability: -
Funding source: -

FME Area
Regional view of FME area
### Flood Management Evaluation (FME)

**Title**: Artesian Forest East - Artesian Creek Watershed

**ID**: 061000444

**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

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

**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>217</td>
<td>80</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flood risk 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>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of low water crossings</td>
<td>0</td>
</tr>
</tbody>
</table>

| Roadway(s) impacted (length) | 2 |
| 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>
</tr>
</tbody>
</table>

**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?: -
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, 120401010401
Drainage area (Square miles, est.): 20
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? No  Playa? 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: -
## Flood Management Evaluation (FME)

### Title
B106-WP01 & WP02 for Armand Bayou Watershed

### ID#
061000323

### 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. Conveyance improvements for B106-00-00 channel, including detention/mitigation storage</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>120401040706,120402040100</td>
</tr>
<tr>
<td>Drainage area (Square miles, est.)</td>
<td>10</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>2,199</th>
</tr>
</thead>
<tbody>
<tr>
<td># of structures</td>
<td>473</td>
</tr>
<tr>
<td>Critical facilities</td>
<td>0</td>
</tr>
<tr>
<td>Flood risk type:</td>
<td>Riverine? Yes</td>
</tr>
<tr>
<td>Coastal?</td>
<td>Yes</td>
</tr>
<tr>
<td>Local?</td>
<td>No</td>
</tr>
<tr>
<td>Playa?</td>
<td>No</td>
</tr>
<tr>
<td>Roadway(s) impacted (length)</td>
<td>7</td>
</tr>
<tr>
<td>Number of low water crossings</td>
<td>0</td>
</tr>
<tr>
<td>Historical road closures</td>
<td>0</td>
</tr>
</tbody>
</table>

## Estimated Cost and Funding Availability

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

---

### Maps

- **FME Area**: A map highlighting the FME area.
- **Regional view of FME area**: A map showing the regional location of the FME area.
Flood Management Evaluation (FME)

Title: Baretta - Grand Lake Creek Watershed
ID#: 061000454
Sponsor (name of entity, not person): Conroe (Municipality)
RFPG recommend?: -

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): 120401010401
Drainage area (Square miles, est.): 4
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: -

Funding source: -
Flood Management Evaluation (FME)

Title: Barker - T101-00-00

ID#: 061000217

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

RFPG recommend?: - Reason for Recommendation -

Study Details

Study type: Project Planning

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

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

County: Harris

Watershed HUC# (if known): 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: $700,000

Amount of Available Funding: - Federal funding availability: -

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?: -

Study Details

Study type: Project Planning

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

New Hydrologic or Hydraulic model?: -

Emergency Need?: -

Existing/Anticipated models in near term?: -

County: Harris

Watershed HUC#: (if known) 120401040102,120401040104,120401040203

Drainage area (Square miles, est.): 4

Goal(s): 060000001,06000011,06000012,06000015

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

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: $700,000

Amount of Available Funding: -

Federal funding availability: -

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

<table>
<thead>
<tr>
<th>Title</th>
<th>Barker Reservoir Flood Risk Reduction and Park Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID#</td>
<td>061000324</td>
</tr>
<tr>
<td>Sponsor (name of entity, not person)</td>
<td>Willow Fork Drainage District</td>
</tr>
<tr>
<td>RFPG recommend?</td>
<td>-</td>
</tr>
</tbody>
</table>

### Study Details

<table>
<thead>
<tr>
<th>Study type</th>
<th>Project Planning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Study description</td>
<td>Study to further the proposed project. FIF application information unavailable.</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>
</table>

<table>
<thead>
<tr>
<th>County</th>
<th>Fort Bend,Harris,Waller</th>
</tr>
</thead>
<tbody>
<tr>
<td>Watershed HUC# (if known)</td>
<td>120401040103</td>
</tr>
<tr>
<td>Drainage area (Square miles, est)</td>
<td>27</td>
</tr>
</tbody>
</table>

### 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th>306</th>
</tr>
</thead>
<tbody>
<tr>
<td># of structures</td>
<td>115</td>
</tr>
<tr>
<td>Critical facilities</td>
<td>2</td>
</tr>
<tr>
<td>Flood risk type</td>
<td>Riverine? Yes Coastal? No Local? No Playa? No</td>
</tr>
<tr>
<td>Farm/Ranch land impacted (acres)</td>
<td>20</td>
</tr>
<tr>
<td>Number of low water crossings</td>
<td>0</td>
</tr>
</tbody>
</table>

| Roadway(s) impacted (length) | 1 |
| Historical road closures    | 0 |
| Flood risk type: Coastal?    | No |
| Roadway(s) impacted (length) | No |
| Historical road closures    | No |
| Flood risk type: Coastal?    | No |
| Roadway(s) impacted (length) | No |
| Historical road closures    | No |
| Flood risk type: Coastal?    | No |
| Roadway(s) impacted (length) | No |
| Historical road closures    | No |

### Estimated Cost and Funding Availability

| Total Cost                  | $2,400,000 |
| Amount of Available Funding | -          |
| Federal funding availability | -          |

| Funding source | Unknown |

---

![FME Area](image1.png)

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

Title: Barker Reservoir Watershed Study

ID# 061000178

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: Fort Bend, Harris, Waller

Watershed HUC# (if known): 120401020103, 120401040102, 120401040103, 120401040101, 120401040104, 120401040100

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: $1,000,000

Amount of Available Funding: -

Federal funding availability: -
Flood Management Evaluation (FME)

Title: Beaumont Place Subdivision Drainage Improvement Phase 2

ID#: 061000325

Sponsor: 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#: 120401040606

Drainage area (Square miles, est.): 1

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

100-Year Flood Risk Summary

Population at risk: 868

# of structures: 103

Critical facilities: 3

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

Farm/Ranch land impacted (acres): 4

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: -

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

**Title**
Blalock Road Drainage Improvement Project

**ID#**
061000327

**Sponsor (name of entity, not person)**
Piney Point Village (Municipality)

**RFPG recommend?**
- 

**Reason for Recommendation**
-

---

**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?**
- 

**Emergency Need?**
- 

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

**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? Yes

Coastal? No

Local? No

Playa? 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**
$480,000

**Amount of Available Funding**
-

**Federal funding availability**
-

**Funding source**
CDBG-MIT

---

[Map of FME Area]

[Map of Regional view of FME area]
## Flood Management Evaluation (FME)

**Title**  
Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction

**ID**  
061000328

**Sponsor**  
Harris County Flood Control District

**RFPG recommend?**  
-

**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 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.</td>
</tr>
</tbody>
</table>

**100-Year Flood Risk Summary**

<table>
<thead>
<tr>
<th>Population at risk</th>
<th>30,383</th>
</tr>
</thead>
<tbody>
<tr>
<td># of structures</td>
<td>2,549</td>
</tr>
<tr>
<td>Critical facilities</td>
<td>27</td>
</tr>
<tr>
<td>Flood type: Riverine?</td>
<td>Yes</td>
</tr>
<tr>
<td>Coastal?</td>
<td>No</td>
</tr>
<tr>
<td>Local?</td>
<td>No</td>
</tr>
<tr>
<td>Playa?</td>
<td>No</td>
</tr>
<tr>
<td>Farm/Ranch land impacted (acres)</td>
<td>3</td>
</tr>
<tr>
<td>Roadway(s) impacted (length)</td>
<td>39</td>
</tr>
<tr>
<td>Number of low water crossings</td>
<td>0</td>
</tr>
<tr>
<td>Historical road closures</td>
<td>0</td>
</tr>
</tbody>
</table>

## Estimated Cost and Funding Availability

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

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

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

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 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: $30,000

Amount of Available Funding: -

Federal funding availability: -

Funding source: -
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?:

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?:

Emergency Need?:

Existing/Anticipated models in near term?:

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 type: Riverine? Yes, Coastal? No, Local? No, Playa? 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: $30,000

Amount of Available Funding: 

Federal funding availability: 

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?: -
Reason for Recommendation: -

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

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

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

Funding source:

FME Area Regional view of FME area

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

Title: Brays Bayou Watershed Study
ID#: 061000180
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: Fort Bend, Harris
Watershed HUC#: 120401040703,120401040402,120401040305,120401040303,120401040400
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 type:
- Riverine?: Yes
- Coastal?: Yes
- Local?: No
- Playa?: 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: $1,000,000
Amount of Available Funding: -
Federal funding availability: -
Funding source: -