Flood Management Evaluation (FME)

<table>
<thead>
<tr>
<th>Title</th>
<th>Liberty County Culvert Replacement Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID#</td>
<td>061000148</td>
</tr>
<tr>
<td>Sponsor (name of entity, not person)</td>
<td>Liberty (County)</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>Increase culvert size in identified flood hazard problem areas within Liberty 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>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>County</th>
<th>Liberty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Watershed HUC# (if known)</td>
<td>120401030201,120401030108,120401030109,120401030205,120401030</td>
</tr>
<tr>
<td>Drainage area (Square miles, est.)</td>
<td>1,170</td>
</tr>
</tbody>
</table>

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

**100-Year Flood Risk Summary**

<table>
<thead>
<tr>
<th>Population at risk</th>
<th>4,854</th>
</tr>
</thead>
<tbody>
<tr>
<td># of structures</td>
<td>3,618</td>
</tr>
<tr>
<td>Critical facilities</td>
<td>8</td>
</tr>
</tbody>
</table>

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

| Farm/Ranch land impacted (acres) | 1,379 |
| Roadway(s) impacted (length)    | 144   |
| Number of low water crossings   | 7     |
| Historical road closures        | 7     |

**Estimated Cost and Funding Availability**

<table>
<thead>
<tr>
<th>Total Cost</th>
<th>$100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Funding source</td>
<td>-</td>
</tr>
<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: Liberty County Drainage Projects

ID#: 061000083

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

RFPG recommend?: -
Reason for Recommendation: -

Study Details

Study type: Project Planning

Study description: Further study of proposed drainage projects throughout the county- including adding ditches, detention ponds and detention basins in identified locations throughout the county in order to improve drainage.

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

County: Liberty

Watershed HUC# (if known): 120401030201,120401030108,120401030109,120401030205,12040103020108

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

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

100-Year Flood Risk Summary

Population at risk: 4,854

# of structures: 3,618

Critical facilities: 8

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

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

Roadway(s) impacted (length): 144

Number of low water crossings: 7

Historical road closures: 7

Estimated Cost and Funding Availability

Total Cost: $50,000

Amount of Available Funding: -

Federal funding availability: -

Funding source: -
Flood Management Evaluation (FME)

Title: Liberty County Regional Flood Drainage Plan

ID#: 061000160

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

RFPG recommend?: -

Study Details

Study type: Project Planning

Study description: Regional drainage study to establish a county wide drainage plan including atlas 14 rainfall.

New Hydrologic or Hydraulic model?: -

Emergency Need?: -

Existing/Anticipated models in near term?: -

County: Liberty

Watershed HUC#: 120401030201, 120401030108, 120401030109, 120401030205, 1204010300

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

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

100-Year Flood Risk Summary

Population at risk: 4,854

# of structures: 3,618

Critical facilities: 8

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

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

Roadway(s) impacted (length): 144

Number of low water crossings: 7

Historical road closures: 7

Estimated Cost and Funding Availability

Total Cost: $130,000

Amount of Available Funding: -

Federal funding availability: -
Title: Lilly - Alligator Creek Watershed
ID#: 061000445
Sponsor: 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#: 120401010207,120401010401
Drainage area (Square miles, est.): 6
Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary
Population at risk: 155,360
# of structures: 33,653
Critical facilities: 395
Flood risk type: Riverine: Yes, Coastal: Yes, Local?: No, Playa?: No
Farm/Ranch land impacted (acres): 597
Roadway(s) impacted (length): 578
Number of low water crossings: 16
Historical road closures: 16

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

Estimated Cost and Funding Availability
Total Cost: $30,000
Amount of Available Funding: -
Federal funding availability: -
Funding source: -
Flood Management Evaluation (FME)

Title: Little Cypress Creek - L103-00-00

ID#: 061000203

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

FME Area Regional view of FME area

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): 120401020104, 120401020106, 120401020105

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

100-Year Flood Risk Summary

Population at risk: 265
# of structures: 116
Critical facilities: 8
Flood risk type: Riverine? Yes
Coastal? No
Local? No
Playa? No
Farm/Ranch land impacted (acres): 4
Roadway(s) impacted (length): 3
Number of low water crossings: 0
Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $700,000
Amount of Available Funding: -
Federal funding availability: -
Funding source: -
Flood Management Evaluation (FME)  

Title: Little Cypress Creek - L109-00-00  

ID#: 061000201  
Sponsor (name of entity, not person): Harris County Flood Control District  
RFPG recommend?: -  
Reason for Recommendation: -  

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

New Hydrologic or Hydraulic model?: -  
Emergency Need?: -  
Existing/Anticipated models in near term?: -  
County: Harris  
Watershed HUC#: (if known) 120401020104,120401020105,120401020210  
Drainage area (Square miles, est.): 6  
Goal(s): 06000001,06000011,06000012,06000015  

100-Year Flood Risk Summary  
Population at risk: 520  
# of structures: 178  
Critical facilities: 0  
Flood 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: $700,000  
Amount of Available Funding: -  
Federal funding availability: -  

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

**Title:** Little Cypress Creek - L113-00-00

**ID:** 061000202

**Sponsor:** 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 HCFC 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall

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

**County:** Harris

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

**Drainage area (Square miles, est.):** 15

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

### 100-Year Flood Risk Summary

- **Population at risk:** 472
- **# of structures:** 182
- **Critical facilities:** 0

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

**Farm/Ranch land impacted (acres):** 8

**Number of low water crossings:** 3

**Roadway(s) impacted (length):** 4

**Historical road closures:** 3

#### Estimated Cost and Funding Availability

- **Total Cost:** $700,000
- **Amount of Available Funding:** -
- **Federal funding availability:** -

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

Title: Little Cypress Creek - Management, Right-of-Way Acquisition, Design and Construction of the Little Cypress Creek Frontier Program

ID# 061000358

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

RFPG recommend? - Reason for Recommendation -

Study Details

Study type: Project Planning

Study description:

Study to develop a BCR required for this to become a FMP. The Little Cypress Creek Frontier program will reduce the risk of flooding and include detention, sediment control, vegetation management and other flood risk management projects.

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

County: Harris

Watershed HUC#: 120401020103, 120401020104, 120401020106, 120401020101, 12040102052

Drainage area (Square miles, est.) 52

Goal(s): 06000011, 06000012, 06000015

100-Year Flood Risk Summary

Population at risk: 2,896

# of structures: 1,213

Critical facilities: 15

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

Farm/Ranch land impacted (acres): 192

Roadway(s) impacted (length): 19

Number of low water crossings: 4

Historical road closures: 4

Estimated Cost and Funding Availability

Total Cost: $30,000

Amount of Available Funding: -

Federal funding availability: -

Funding source: -
**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 a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
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<table>
<thead>
<tr>
<th>County</th>
<th>Montgomery</th>
</tr>
</thead>
<tbody>
<tr>
<td>Watershed HUC# (if known)</td>
<td>120401010207,120401010401</td>
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<table>
<thead>
<tr>
<th>Drainage area (Square miles, est.)</th>
<th>2</th>
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</thead>
<tbody>
<tr>
<td>Goal(s)</td>
<td>06000001,06000011,06000012,06000015</td>
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</table>

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### 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th>2,384</th>
</tr>
</thead>
<tbody>
<tr>
<td># of structures</td>
<td>374</td>
</tr>
<tr>
<td>Critical facilities</td>
<td>7</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>7</td>
</tr>
<tr>
<td>Number of low water crossings</td>
<td>7</td>
</tr>
<tr>
<td>Roadway(s) impacted (length)</td>
<td>10</td>
</tr>
<tr>
<td>Historical road closures</td>
<td>7</td>
</tr>
</tbody>
</table>

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### 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>
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<tr>
<td>Federal funding availability</td>
<td>-</td>
</tr>
</tbody>
</table>

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**San Jacinto Regional Flood Planning Group**

**Region 6**

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**FME Area**

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**Regional view of FME area**

---

**Title** Longmire and SH-105 - Live Oak Creek Watershed

**ID#** 061000462

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

**RFPG recommend?** -

**Reason for Recommendation** -

---

**Goal(s)**

**Study Details**

**Study type** Project Planning

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

---

**New Hydrologic or Hydraulic model?** -

**Emergency Need?** -

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

**County** Montgomery

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

**Drainage area (Square miles, est.)** 2

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

---

**100-Year Flood Risk Summary**

<table>
<thead>
<tr>
<th>Population at risk</th>
<th>2,384</th>
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</thead>
<tbody>
<tr>
<td># of structures</td>
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<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>7</td>
</tr>
<tr>
<td>Number of low water crossings</td>
<td>7</td>
</tr>
<tr>
<td>Roadway(s) impacted (length)</td>
<td>10</td>
</tr>
<tr>
<td>Historical road closures</td>
<td>7</td>
</tr>
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</table>

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**Estimated Cost and Funding Availability**

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<th>Total Cost</th>
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<tr>
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<td>-</td>
</tr>
<tr>
<td>Federal funding availability</td>
<td>-</td>
</tr>
</tbody>
</table>

---

**FME Area**

**Regional view of FME area**

---

**Title** Longmire and SH-105 - Live Oak Creek Watershed

**ID#** 061000462

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

**RFPG recommend?** -

**Reason for Recommendation** -

---

**Goal(s)**

---

**Study Details**

**Study type** Project Planning

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

---

**New Hydrologic or Hydraulic model?** -

**Emergency Need?** -

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

**County** Montgomery

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

**Drainage area (Square miles, est.)** 2

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

---

**100-Year Flood Risk Summary**

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<tr>
<th>Population at risk</th>
<th>2,384</th>
</tr>
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<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>7</td>
</tr>
<tr>
<td>Number of low water crossings</td>
<td>7</td>
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<tr>
<td>Roadway(s) impacted (length)</td>
<td>10</td>
</tr>
<tr>
<td>Historical road closures</td>
<td>7</td>
</tr>
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**Estimated Cost and Funding Availability**

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<tr>
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</tr>
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<tr>
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<td>-</td>
</tr>
<tr>
<td>Federal funding availability</td>
<td>-</td>
</tr>
</tbody>
</table>

---

**FME Area**

**Regional view of FME area**
Flood Management Evaluation (FME)

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

ID#: 061000022

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

RFPG recommend?: -

Study Details

Study type: Project Planning

Study description: Further refine the DB Alt. 2 in the LCCDBFMP (2021), including alternative analysis to McFarland Detention Basin, W Cemetery Rd. Detention Basin, Hilton Detention Basin, Magnolia Bayou & Borden Gully Detention Basins, and Diversion Channel at Desel Dr.

New Hydrologic or Hydraulic model?: -

County: Brazoria, Galveston, Fort

Watershed HUC# (if known): 120402040100

Drainage area (Square miles, est.): 86

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

100-Year Flood Risk Summary

Population at risk: 64,095

# of structures: 13,029

Critical facilities: 147

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

Farm/Ranch land impacted (acres): 129

Roadway(s) impacted (length): 240

Number of low water crossings: 9

Historical road closures: 9

Estimated Cost and Funding Availability

Total Cost: $500,000

Amount of Available Funding: -

Federal funding availability: -

Funding source: -

FME Area

Regional view of FME area
Flood Management Evaluation (FME)

Title: Lower Greens Feasibility Study

ID#: 061000176

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

RFPG recommend?: -

Study Details

Study type: Project Planning

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

New Hydrologic or Hydraulic model?: -

Emergency Need?: -

Existing/Anticipated models in near term?: -

County: Harris

Watershed HUC# (if known): 120401010502, 120401010501, 120401020106, 120401020107, 12040101040

Drainage area (Square miles, est.): 27

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

100-Year Flood Risk Summary

Population at risk: 21,011

# of structures: 5,930

Critical facilities: 58

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Farm/Ranch land impacted (acres): 2

Roadway(s) impacted (length): 68

Number of low water crossings: 3

Historical road closures: 3

Estimated Cost and Funding Availability

Total Cost: $30,000

Amount of Available Funding: -

Federal funding availability: -
### Flood Management Evaluation (FME)

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

**ID#**: 061000407

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

**RFPG recommend?**: -

**Reason for Recommendation**: -

#### Study Details

<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. Construction of channel bypass to provide Luce main stem upstream and local overland flooding relief</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</th>
</tr>
</thead>
<tbody>
<tr>
<td>Watershed HUC# (if known)</td>
<td>120401010502,120401010501,120401030205,120401030402,1204010402,1204010404</td>
</tr>
<tr>
<td>Drainage area (Square miles, est.)</td>
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</tr>
<tr>
<td>Goal(s)</td>
<td>06000001,06000011,06000012,06000015</td>
</tr>
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</table>

#### 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th>5,763</th>
</tr>
</thead>
<tbody>
<tr>
<td># of structures</td>
<td>1,939</td>
</tr>
<tr>
<td>Critical facilities</td>
<td>25</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>40</td>
</tr>
<tr>
<td>Number of low water crossings</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>

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**FME Area**

**Regional view of FME area**
Flood Management Evaluation (FME)

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

ID#: 061000412

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

RFPG recommend?: - Reason for Recommendation: -

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of channel improvements along Luce main stem

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

County: Harris

Watershed HUC# (if known): 120401010502,120401010501,120401030205,120401030402,1204010401

Drainage area (Square miles, est.): 75

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

100-Year Flood Risk Summary

Population at risk: 5,763

# of structures: 1,939

Critical facilities: 25

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

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

Roadway(s) impacted (length): 40

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

Estimated Cost and Funding Availability

Total Cost: $30,000

Amount of Available Funding: - Federal funding availability: -
Flood Management Evaluation (FME)

Title: Luce Bayou (Z100-00-00-P026) Upstream Detention

ID#: 061000413

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

RFPG recommend?: -

Reason for Recommendation: -

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of regional detention upstream of Luce Bayou, including acquiring open land north of Harris County

New Hydrologic or Hydraulic model?: -

Emergency Need?: -

Existing/Anticipated models in near term?: -

County: Harris

Watershed HUC# (if known): 120401010501, 120401010502, 120401030205, 120401030402, 1204010402, 1204010404

Drainage area (Square miles, est.): 75

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

100-Year Flood Risk Summary

Population at risk: 5,763

# of structures: 1,939

Critical facilities: 25

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

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

Roadway(s) impacted (length): 40

Number of low water crossings: 0

Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $30,000

Amount of Available Funding: -

Federal funding availability: -

Funding source: -
Flood Management Evaluation (FME)

**Title**
Mary's Creek Lower Segment

**ID#**
061000056

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

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

### Study Details

**Study type**
Project Planning

**Study description**
Study to develop project into a FMP. Project will provide a 25-year LOS; Channel modifications from SH35 to downstream of Pearland Pkwy. and 1670 ac-ft mitigation.

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

**County**
Brazoria, Galveston

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

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

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

### 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th># of structures</th>
<th>Critical facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>554</td>
<td>75</td>
<td>1</td>
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<table>
<thead>
<tr>
<th>Flood 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>
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<tbody>
<tr>
<td>Riverine?</td>
<td>Yes</td>
<td>0</td>
<td>3</td>
<td>1</td>
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<tr>
<td>Coastal?</td>
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<td></td>
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<tr>
<td>Local?</td>
<td>No</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Playa?</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
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</table>

**Emergency Need?**
-  
**Other?**
-  

### Estimated Cost and Funding Availability

<table>
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<tr>
<td>$2,436,000</td>
<td>-</td>
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**Funding source**
-  

---

**Regional view of FME area**

**FME Area**

**Friendswood**
Flood Management Evaluation (FME)

Title: Mary's Creek Middle Segment

ID#: 061000063

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

RFPG recommend? - Reason for Recommendation -

Study Details

Study type: Project Planning

Study description: Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.

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

County: Brazoria

Watershed HUC# (if known): 120402040100

Drainage area (Square miles, est.): 4

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

100-Year Flood Risk Summary

Population at risk: 2,861

# of structures: 994

Critical facilities: 5

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

Farm/Ranch land impacted (acres): 10

Roadway(s) impacted (length): 19

Number of low water crossings: 0

Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $628,000

Amount of Available Funding: -

Federal funding availability: -

Funding source: -
Flood Management Evaluation (FME)

Title: Mary's Creek Upper Segment

ID#: 061000061

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

RFPG recommend?: -

Reason for Recommendation: -

Study Details

Study type: Project Planning

Study description: Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.

New Hydrologic or Hydraulic model?: -

Emergency Need?: -

Existing/Anticipated models in near term?: -

County: Brazoria

Watershed HUC#: (if known) 120402040100

Drainage area (Square miles, est.): 5

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

100-Year Flood Risk Summary

Population at risk: -

Riverine?: <Null>

Coastal?: <Null>

Local?: <Null>

Playa?: <Null>

Critical facilities: <Null>

Other?: <Null>

Farm/Ranch land impacted (acres): -

Roadway(s) impacted (length): -

Number of low water crossings: -

Historical road closures: -

Estimated Cost and Funding Availability

Total Cost: $460,000

Amount of Available Funding: -

Federal funding availability: -

Funding source: -
# Flood Management Evaluation (FME)

**Title:** Middle Armand Bayou Protection Project  
**ID:** 061000467  
**Sponsor:** Pasadena (Municipality)  
**RFPG recommend?:** -  
**Reason for Recommendation:** -

## Study Details

**Study type:** Project Planning  
**Study description:** Further study to develop this project into a FMP. FIF application information unavailable.

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

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<thead>
<tr>
<th>County</th>
<th>Watershed HUC# (if known)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brazoria, Galveston, Fort</td>
<td>120402040100</td>
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<table>
<thead>
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<th>Drainage area (Square miles, est.)</th>
<th>Goal(s)</th>
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</thead>
<tbody>
<tr>
<td>262</td>
<td>06000001, 06000011, 06000012, 06000015</td>
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## 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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<tbody>
<tr>
<td>130</td>
<td>80</td>
<td>0</td>
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<table>
<thead>
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<th>Riverine?</th>
<th>Coastal?</th>
<th>Local?</th>
<th>Playa?</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</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>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>1</td>
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## Estimated Cost and Funding Availability

<table>
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<tr>
<td>$985,000</td>
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</table>

**Funding source:** -

---

### FME Area

[Map of Middle Armand Bayou Protection Project area]

### Regional view of FME area

[Map showing the region of interest]
# Flood Management Evaluation (FME)

**Title:** Missouri City Estates Drainage Improvements  
**ID#** 061000005  
**Sponsor (name of entity, not person):** Stafford (Municipality)  
**RFPG recommend?** -  

### Study Details

<table>
<thead>
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<th>Study type</th>
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<tbody>
<tr>
<td>Study description</td>
<td>Further study of proposed flood risk reduction project that includes drainage improvements to Missouri City Estates.</td>
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<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>
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<tr>
<td>County</td>
<td>Fort Bend, Harris</td>
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<tr>
<td>Watershed HUC# (if known)</td>
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<tr>
<td>Drainage area (Square miles, est.)</td>
<td>0</td>
</tr>
<tr>
<td>Goal(s)</td>
<td>060000001, 060000011, 06000012, 06000015</td>
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</tbody>
</table>

### 100-Year Flood Risk Summary

| Flood risk type     | Riverine  
<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td># of structures</td>
<td>&lt;Null&gt;</td>
</tr>
<tr>
<td>Coastal</td>
<td>&lt;Null&gt;</td>
</tr>
<tr>
<td>Local</td>
<td>&lt;Null&gt;</td>
</tr>
<tr>
<td>Playa</td>
<td>&lt;Null&gt;</td>
</tr>
<tr>
<td>Farm/Ranch land impacted (acres)</td>
<td>-</td>
</tr>
<tr>
<td>Number of low water crossings</td>
<td>-</td>
</tr>
<tr>
<td>Roadway(s) impacted (length)</td>
<td>-</td>
</tr>
<tr>
<td>Historical road closures</td>
<td>-</td>
</tr>
</tbody>
</table>

### Estimated Cost and Funding Availability

| Total Cost | $90,000 |
| Amount of Available Funding | - |
| Federal funding availability | - |
Flood Management Evaluation (FME)

Title: Montgomery Flood Mapping Updates

ID#: 061000307

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

RFPG recommend?: -

Reason for Recommendation: -

Study Details

Study type: Watershed Planning

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

New Hydrologic or Hydraulic model?: -

Emergency Need?: -

Existing/Anticipated models in near term?: -

County: Montgomery

Watershed HUC#: 1204010101,1204010103,120401010301,120401010302,120401010303,120401010304,120401010305

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

Goal(s): 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk: 67,706

# of structures: 21,195

Critical facilities: 125

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

Farm/Ranch land impacted (acres): 852

Roadway(s) impacted (length): 409

Number of low water crossings: 72

Historical road closures: 72

Estimated Cost and Funding Availability

Total Cost: $4,600,000

Amount of Available Funding: -

Federal funding availability: -

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

**Title:** Mustang Bayou Middle Segment  
**ID#:** 061000064  
**Sponsor (name of entity, not person):** Pearland (Municipality)  
**RFPG recommend?**  
**Reason for Recommendation**

#### Study Details

<table>
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<tr>
<th>Study type</th>
<th>Project Planning</th>
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</thead>
<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>

<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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<tr>
<td>County</td>
<td>Brazoria, Fort Bend</td>
</tr>
<tr>
<td>Watershed HUC# (if known)</td>
<td>120402040400</td>
</tr>
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</table>

| 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>2,051</th>
</tr>
</thead>
<tbody>
<tr>
<td># of structures</td>
<td>257</td>
</tr>
<tr>
<td>Critical facilities</td>
<td>1</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>6</td>
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<tr>
<td>Number of low water crossings</td>
<td>0</td>
</tr>
<tr>
<td>Historical road closures</td>
<td>0</td>
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#### Estimated Cost and Funding Availability

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<th>$1,212,000</th>
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<td>Federal funding availability</td>
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</table>

---

**Map**

- FME Area
- Regional view of FME area
**Flood Management Evaluation (FME)**

**Title**: Mustang Bayou Upper Segment

**ID#**: 061000066

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

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

<table>
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<th>Project Planning</th>
</tr>
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<tbody>
<tr>
<td>Study type</td>
<td>Project Planning</td>
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<tr>
<td>Study description</td>
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<th>-</th>
<th>Existing/Anticipated models in near term?</th>
<th>-</th>
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<tbody>
<tr>
<td>County</td>
<td>Fort Bend</td>
<td>Watershed HUC# (if known)</td>
<td>120402040400,120402040100</td>
<td></td>
<td></td>
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<tr>
<td>Drainage area (Square miles, est.)</td>
<td>7</td>
<td>Goal(s)</td>
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<table>
<thead>
<tr>
<th>100-Year Flood Risk Summary</th>
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</thead>
<tbody>
<tr>
<td>Population at risk</td>
</tr>
<tr>
<td>Flood risk type:</td>
</tr>
<tr>
<td>Farm/Ranch land impacted (acres)</td>
</tr>
<tr>
<td>Number of low water crossings</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Estimated Cost and Funding Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Cost</td>
</tr>
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</table>
| Funding source | - |}

---

**FME Area**

**Regional view of FME area**
**Flood Management Evaluation (FME)**

**Title**: North Alexander Drainage Improvements

**ID**: 061000423

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

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

### Study Details

**Study type**: Project Planning

**Study description**: Further study to develop this project into a FMP. This CDBG-MIT application involves the installation and construction of various storm sewer and detention infrastructure.

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

**County**: Chambers,Harris

**Watershed HUC# (if known)**: 120402030106

**Drainage area (Square miles, est.)**: 48

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

### 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th># of structures</th>
<th>Critical facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,324</td>
<td>550</td>
<td>7</td>
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</table>

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

**Farm/Ranch land impacted (acres)**: 98

**Number of low water crossings**: 0

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

**Historical road closures**: 0

### Estimated Cost and Funding Availability

<table>
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<td>$758,000</td>
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**Funding source**: CDBG-MIT

---

**FME Area**

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

**Title**: Northfield Place Subdivision Drainage Improvements  
**ID**: 061000432  
**Sponsor (name of entity, not person)**: Harris (County)  
**RFPG recommend?**: -  
**Reason for Recommendation**: -

### Study Details

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<th>Study description</th>
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<tbody>
<tr>
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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>-</td>
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<table>
<thead>
<tr>
<th>County</th>
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<tr>
<td>Harris</td>
<td>120401040604,120401040304</td>
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<table>
<thead>
<tr>
<th>Drainage area (Square miles, est.)</th>
<th>Goal(s)</th>
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<tbody>
<tr>
<td>6</td>
<td>06000001,06000011,06000012,06000015</td>
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### 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>
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<tbody>
<tr>
<td>10,940</td>
<td>3,188</td>
<td>13</td>
<td>Riverine?</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Yes</td>
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<tr>
<td>Farm/Ranch land impacted (acres)</td>
<td>Roadway(s) impacted (length)</td>
<td>Historical road closures</td>
<td></td>
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<tr>
<td>0</td>
<td>32</td>
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<tr>
<td>Number of low water crossings</td>
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<td></td>
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</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
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### Estimated Cost and Funding Availability

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<td>$30,000</td>
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<td>-</td>
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**Funding source**: Unknown

---

**FME Area**

**Regional view of FME area**

---
# Flood Management Evaluation (FME)

## Title
- **Oak Glen Place Subdivision Drainage Improvements**

## ID
- **061000431**

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

## RFPG recommend?
- 

## Reason for Recommendation
- 

### Study Details

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<th>Project Planning</th>
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<tbody>
<tr>
<td>Study description</td>
<td>Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.</td>
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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Emergency Need?</td>
<td>-</td>
</tr>
<tr>
<td>Existing/Anticipated models in near term?</td>
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<th>Harris</th>
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<tbody>
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<table>
<thead>
<tr>
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<tbody>
<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>10,940</th>
</tr>
</thead>
<tbody>
<tr>
<td># of structures</td>
<td>3,188</td>
</tr>
<tr>
<td>Critical facilities</td>
<td>13</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flood risk type:</th>
<th>Riverine? Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coastal?</td>
<td>No</td>
</tr>
<tr>
<td>Local?</td>
<td>No</td>
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<tr>
<td>Playa?</td>
<td>No</td>
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<table>
<thead>
<tr>
<th>Farm/Ranch land impacted (acres)</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roadway(s) impacted (length)</td>
<td>32</td>
</tr>
<tr>
<td>Historical road closures</td>
<td>1</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>

<table>
<thead>
<tr>
<th>Funding source</th>
<th>Unknown</th>
</tr>
</thead>
</table>

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**FME Area**

**Regional view of FME area**
Flood Management Evaluation (FME)

Title: Oak Hollow - Alligator Creek Watershed
ID#: 061000449
Sponsor (name of entity, not person): Conroe (Municipality)
RFPG recommend?: -
Reason for Recommendation:

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

New Hydrologic or Hydraulic model?: -
Emergency Need?: -
Existing/Anticipated models in near term?: -
County: Montgomery
Watershed HUC# (if known): 120401010207,120401010401
Drainage area (Square miles, est.): 6
Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary
Population at risk: 69
# of structures: 40
Critical facilities: 1
Flood risk type: Riverine? Yes
Coastal? No
Local? No
Playa? No

Farm/Ranch land impacted (acres): 7
Roadway(s) impacted (length): 1
Number of low water crossings: 0
Historical road closures: 0

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