# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3 |
| FMP ID | 06-52-0000000026 |
| Sponsor Entity ID | 06-01-0000003147 |
| Sponsor Name | League City (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | The LCC Alt. Combination 3 as proposed as part of the LCCDBFMP (2021), including detention channel benching, a diversion tunnel, capacity improvements, and an auxiliary opening. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 109.51 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 18 | Residential at risk | 3,035 |
| Population at risk | 10,260 | Structures at risk | 3,642 | Critical facilities | 18 |
| Farm/Ranch land impacted (acres) | 16.11 | Roadway(s) impacted (length) | 118.62 | | |
| Number of low water crossings | 9 | Historical road closures | 9 | | |

## 100-Year Flood Risk Reduction

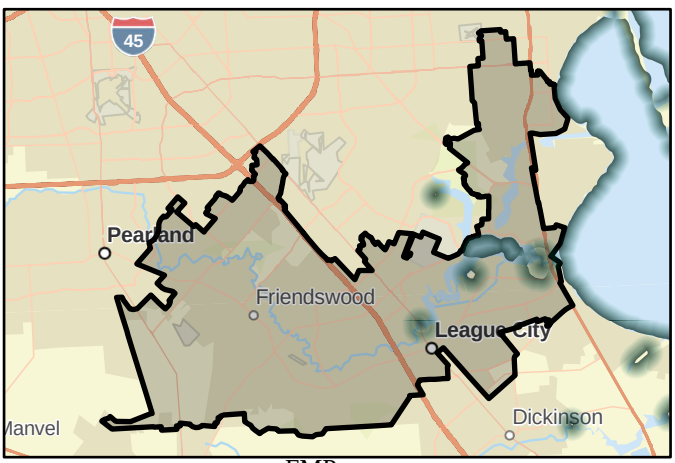
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 3,653 | Structures removed | 911 | Critical facilities removed | 8 |
| Emergency facilities removed | 8 | Farm/ranch removed | 16.11 | Roadways removed (miles) | 26 |
| Low water crossing removed | 1 | | | Reduction in road closures over 10 years | 1 |
| Other benefits | - | | | Residential removed | 835 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $1,392,896,000 | % Nature-Based | 0% | Issues | Right-of-Way, Permitting, Acquisitions, Relocations, Utility Conflicts |
| Recurring costs | $83,573,800 | BCR | 0.06 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharptown |
| FMP ID | 06-52-0000000027 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | Projects submitted as part of the CDBG MIT grant in the Brays Bayou Watershed which include regional channel and detention projects including D133 (Bintliff Ditch) and Sharpstown Drainage. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 128.66 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 158 | Residential at risk | 5,131 |
| Population at risk | 41,908 | Structures at risk | 5,863 | Critical facilities | 158 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 74.33 | | |
| Number of low water crossings | 102 | Historical road closures | 102 | | |

## 100-Year Flood Risk Reduction

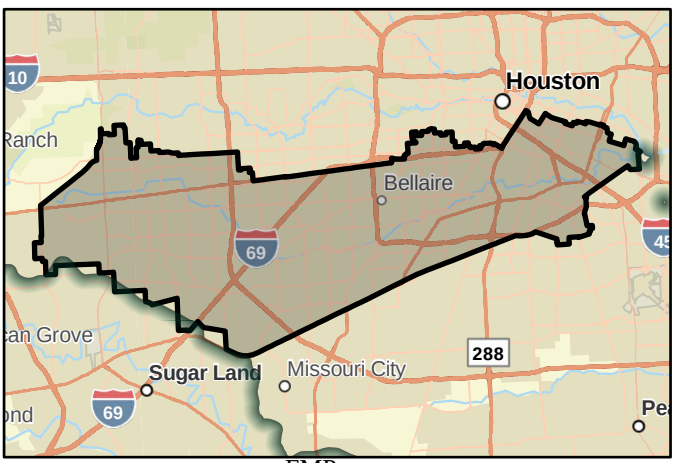
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 41,410 | Structures removed | 5,737 | Critical facilities removed | 137 |
| Emergency facilities removed | 136 | Farm/ranch removed | 0 | Roadways removed (miles) | 45.36 |
| Low water crossing removed | 3 | | | Reduction in road closures over 10 years | 3 |
| Other benefits | - | | | Residential removed | 5,071 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $129,674,000 | % Nature-Based | 0% | Issues | Right-of-Way, Acquisitions, Utility Conflicts |
| Recurring costs | $7,780,400 | BCR | 0.13 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel |
| FMP ID | 06-52-0000000037 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | Projects submitted as part of the CDBG MIT grant in the Sims Bayou Watershed which include three (3) regional channel and detention projects including C147/C547, Saltwater Ditch, and C506. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 98.46 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 59 | Residential at risk | 4,032 |
| Population at risk | 14,516 | Structures at risk | 4,367 | Critical facilities | 59 |
| Farm/Ranch land impacted (acres) | 2.47 | Roadway(s) impacted (length) | 55.45 | | |
| Number of low water crossings | 4 | Historical road closures | 4 | | |

## 100-Year Flood Risk Reduction

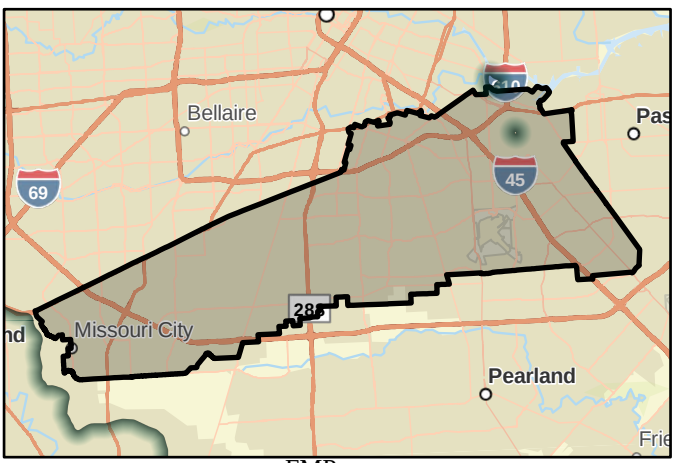
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 9,352 | Structures removed | 2,283 | Critical facilities removed | 32 |
| Emergency facilities removed | 32 | Farm/ranch removed | 2.47 | Roadways removed (miles) | 17 |
| Low water crossing removed | 2 | | | Reduction in road closures over 10 years | 2 |
| Other benefits | - | | | Residential removed | 2,127 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $120,701,000 | % Nature-Based | 0% | Issues | Right-of-Way, Permitting, Acquisitions, Utility Conflicts |
| Recurring costs | $7,242,100 | BCR | 1.8 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Halls Bayou Watershed Mitigation Application 1 - CDBG MIT |
| FMP ID | 06-52-0000000040 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | Projects submitted as part of the CDBG MIT grant in Halls Bayou which include five (5) regional channel and detention projects including C-28, C-41 Hardy West, C-41 Mainstem, C-30, and C-23. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 44.61 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 39 | Residential at risk | 12,006 |
| Population at risk | 40,673 | Structures at risk | 14,715 | Critical facilities | 44 |
| Farm/Ranch land impacted (acres) | 314.08 | Roadway(s) impacted (length) | 146.59 | | |
| Number of low water crossings | 25 | Historical road closures | 25 | | |

## 100-Year Flood Risk Reduction

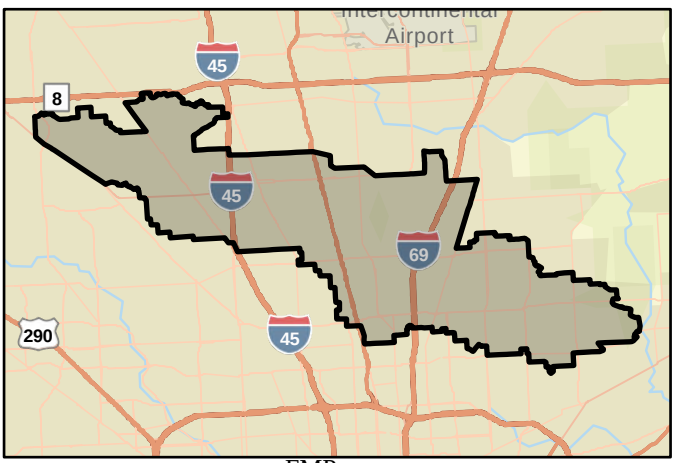
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 9,878 | Structures removed | 3,580 | Critical facilities removed | 5 |
| Emergency facilities removed | 5 | Farm/ranch removed | 4.99 | Roadways removed (miles) | 33.63 |
| Low water crossing removed | 1 | | | Reduction in road closures over 10 years | 1 |
| Other benefits | - | | | Residential removed | 3,291 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $120,701,000 | % Nature-Based | 0% | Issues | Right-of-Way, Acquisition, Utility Conflicts, Environmental Concerns |
| Recurring costs | $7,242,100 | BCR | 1.46 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak |
| FMP ID | 06-52-0000000046 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | Projects submitted as part of the CDBG MIT grant in the White Oak Bayou Watershed which include five (5) regional channel and detention projects including Kolbe Road, Barwood, E132-00-00, Tower Oaks, & Little White Oak Bayous. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 111.11 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 3 | Residential at risk | 1,326 |
| Population at risk | 5,684 | Structures at risk | 1,708 | Critical facilities | 3 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 36.2 | | |
| Number of low water crossings | 46 | Historical road closures | 46 | | |

## 100-Year Flood Risk Reduction

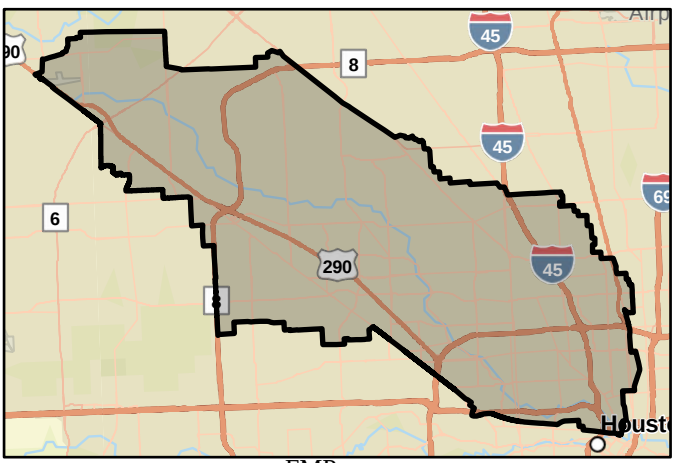
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 852 | Structures removed | 189 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 2.74 |
| Low water crossing removed | 1 | | | Reduction in road closures over 10 years | 1 |
| Other benefits | - | | | Residential removed | 177 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $145,364,000 | % Nature-Based | 0% | Issues | Right-of-Way, Permitting, Acquisitions, Transportation Conflicts, Environmental Concerns |
| Recurring costs | $8,721,800 | BCR | 0.8 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Mary's Creek Lower, Middle, and Upper Segment |
| FMP ID | 06-52-0000000056 |
| Sponsor Entity ID | 06-01-0000002790 |
| Sponsor Name | Pearland (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | A part of the Pearland Master Drainage Plan (2019), this channel improvement alternative includes channel benching to increase conveyance capacity, bridge/culvert replacement to remove hydraulic restrictions, and regional detention to provide mitigation. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 17.2 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 9 | Residential at risk | 1,907 |
| Population at risk | 5,841 | Structures at risk | 2,389 | Critical facilities | 11 |
| Farm/Ranch land impacted (acres) | 223.24 | Roadway(s) impacted (length) | 46.1 | | |
| Number of low water crossings | 4 | Historical road closures | 4 | | |

## 100-Year Flood Risk Reduction

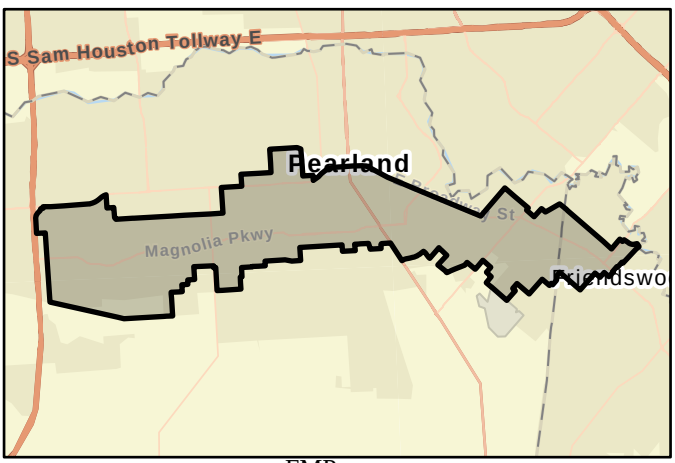
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 5,079 | Structures removed | 2,050 | Critical facilities removed | 6 |
| Emergency facilities removed | 6 | Farm/ranch removed | 133.69 | Roadways removed (miles) | 30.88 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 1,654 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $186,575,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $11,194,500 | BCR | 0.16 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105 |
| FMP ID | 06-52-0000000058 |
| Sponsor Entity ID | 06-01-0000000037 |
| Sponsor Name | Montgomery County (County) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | Reduce flooding in the Caney Creek Watershed by implementing channel improvements to increase capacity and regional detention to reduce discharges. Channel improvements must be constructed with one, or both, of the recommended detention facilities. |
| County | Multiple |
| Associated FME's | 06-51-0000000641,06-51-000000065 |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 215.76 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 1,575 |
| Population at risk | 3,018 | Structures at risk | 1,996 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 3,205.74 | Roadway(s) impacted (length) | 55.83 | | |
| Number of low water crossings | 8 | Historical road closures | 8 | | |

## 100-Year Flood Risk Reduction

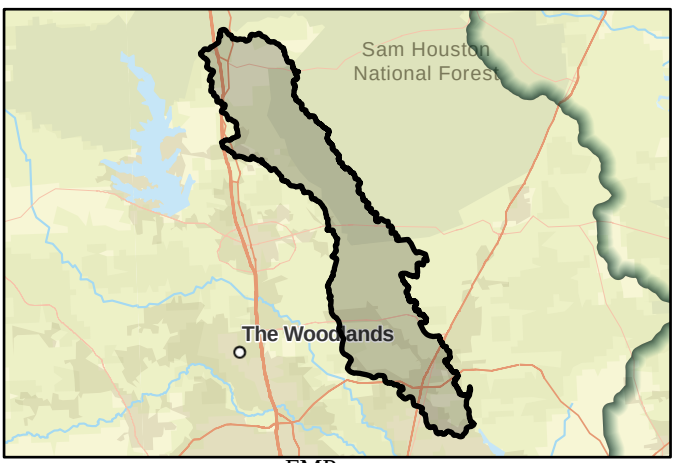
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 1,940 | Structures removed | 1,154 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 221.86 | Roadways removed (miles) | 26.53 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 921 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $568,059,000 | % Nature-Based | 0% | Issues | Right-of-Way, Permitting, Acquisitions, Utility Conflicts, Transportation Conflicts, Environmental Concerns |
| Recurring costs | $34,083,500 | BCR | 0.3 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | East Fork San Jacinto River - Winters Bayou Detention |
| FMP ID | 06-52-0000000059 |
| Sponsor Entity ID | 00-01-0000000287 |
| Sponsor Name | San Jacinto River Authority (River Authority) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | Design, land acquisition, and construction of a dry dam on Winters Bayou to reduce flooding in the East Fork watershed, capturing runoff and mitigating flood risk. |
| County | Multiple |
| Associated FME's | 06-51-0000000650 |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 410.46 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 3 | Residential at risk | 1,329 |
| Population at risk | 2,302 | Structures at risk | 1,749 | Critical facilities | 6 |
| Farm/Ranch land impacted (acres) | 5,133.88 | Roadway(s) impacted (length) | 80.51 | | |
| Number of low water crossings | 29 | Historical road closures | 29 | | |

## 100-Year Flood Risk Reduction

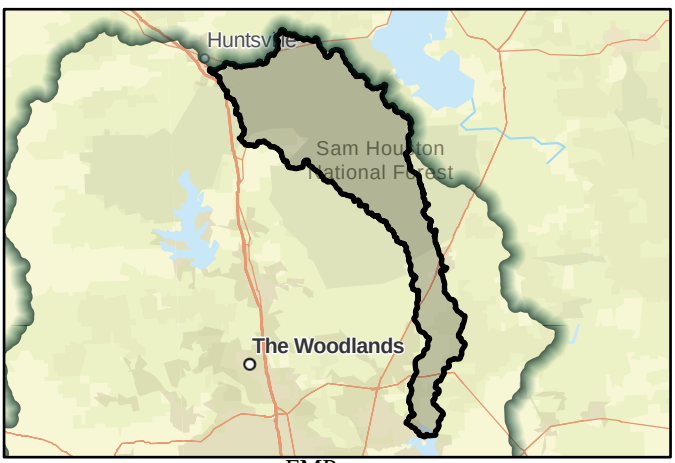
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 790 | Structures removed | 510 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 432.13 | Roadways removed (miles) | 14.79 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 400 |

## Impacts

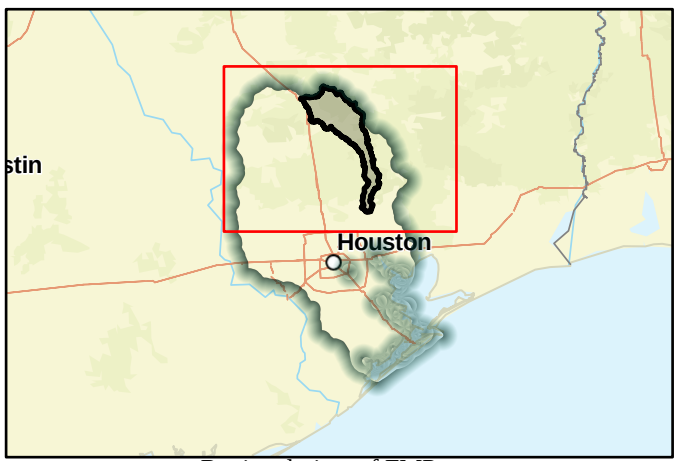
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $202,273,000 | % Nature-Based | 0% | Issues | Right-of-Way, Permitting, Acquisitions, Utility Conflicts, Transportation Conflicts, Environmental Concerns |
| Recurring costs | $12,136,400 | BCR | 0.38 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek |
| FMP ID | 06-52-0000000061 |
| Sponsor Entity ID | 06-01-0000000037 |
| Sponsor Name | Montgomery County (County) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | Reduce flooding in the Peach Creek Watershed by implementing channel improvements to increase capacity and regional detention to provide storage. Channel improvements must be constructed with one, or both, of the recommended detention facilities. |
| County | Multiple |
| Associated FME's | 06-51-0000000645,06-51-000000064 |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 158.58 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 1 | Residential at risk | 1,101 |
| Population at risk | 2,023 | Structures at risk | 1,426 | Critical facilities | 5 |
| Farm/Ranch land impacted (acres) | 1,030.08 | Roadway(s) impacted (length) | 48.73 | | |
| Number of low water crossings | 10 | Historical road closures | 10 | | |

## 100-Year Flood Risk Reduction

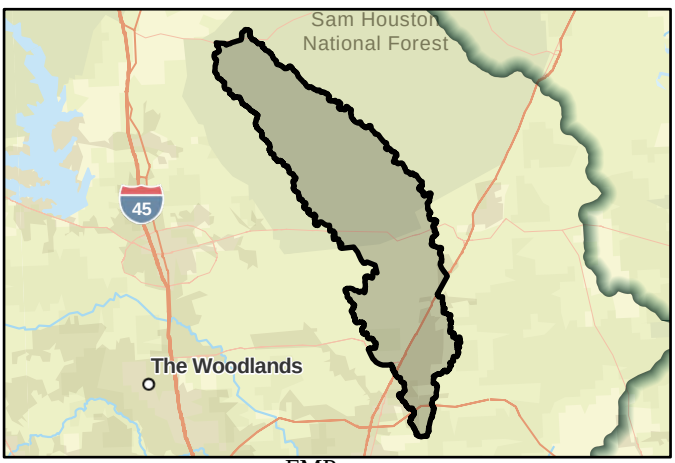
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 1,562 | Structures removed | 1,059 | Critical facilities removed | 5 |
| Emergency facilities removed | 1 | Farm/ranch removed | 0 | Roadways removed (miles) | 28.01 |
| Low water crossing removed | -1 | | | Reduction in road closures over 10 years | -1 |
| Other benefits | - | | | Residential removed | 822 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $981,083,000 | % Nature-Based | 0% | Issues | Right-of-Way, Permitting, Acquisitions, Relocations, Utility Conflicts |
| Recurring costs | $58,865,000 | BCR | 0.26 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization |
| FMP ID | 06-52-0000000064 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Channel |
| FMP Description | Reduce flooding in the West Fork San Jacinto River Watershed by implementing channel improvements to increase capacity. Channel improvements must be constructed with one, or multiple, of the Lake Creek and Spring Creek detention facilities listed as indiv |
| County | Multiple |
| Associated FME's | 06-51-0000000649,06-51-000000065 |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 180.61 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 23 | Residential at risk | 4,531 |
| Population at risk | 14,333 | Structures at risk | 5,211 | Critical facilities | 34 |
| Farm/Ranch land impacted (acres) | 4,212.83 | Roadway(s) impacted (length) | 134.15 | | |
| Number of low water crossings | 16 | Historical road closures | 16 | | |

## 100-Year Flood Risk Reduction

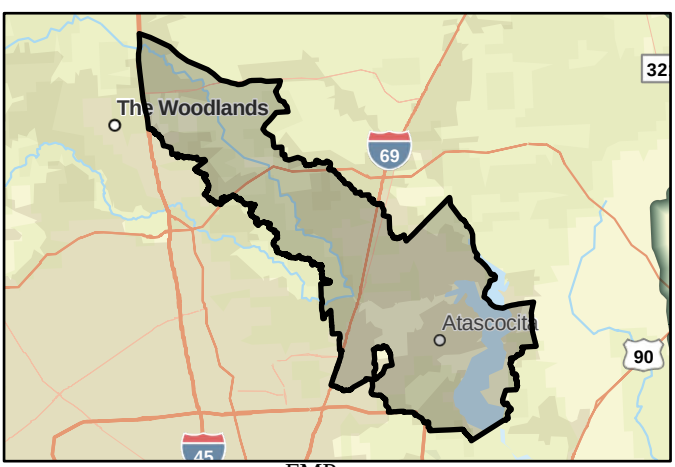
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 5,388 | Structures removed | 1,992 | Critical facilities removed | 16 |
| Emergency facilities removed | 10 | Farm/ranch removed | 545.9 | Roadways removed (miles) | 39.13 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 1,752 |

## Impacts

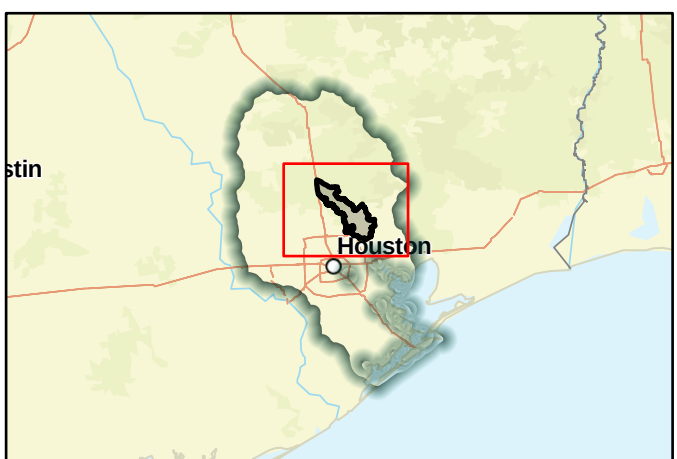
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $1,203,947,000 | % Nature-Based | 0% | Issues | Right-of-Way, Permitting, Acquisitions, Utility Conflics, Transportation Conflicts |
| Recurring costs | $72,236,800 | BCR | 0.1 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | G103-05-00 St. Charles Place Project S-3 |
| FMP ID | 06-52-0000000065 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | 8-ft by 4-ft RCB storm sewer is proposed east of the SJRA canal starting at the intersection of Saint Cecilia and Zinn Drive, extending southward for roughly 1400 feet, and ending at the location of the existing Siphon 21 at tributary G103-05-00 |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 55.52 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 8 | Residential at risk | 309 |
| Population at risk | 993 | Structures at risk | 533 | Critical facilities | 15 |
| Farm/Ranch land impacted (acres) | 2,036.94 | Roadway(s) impacted (length) | 21.92 | | |
| Number of low water crossings | 6 | Historical road closures | 6 | | |

## 100-Year Flood Risk Reduction

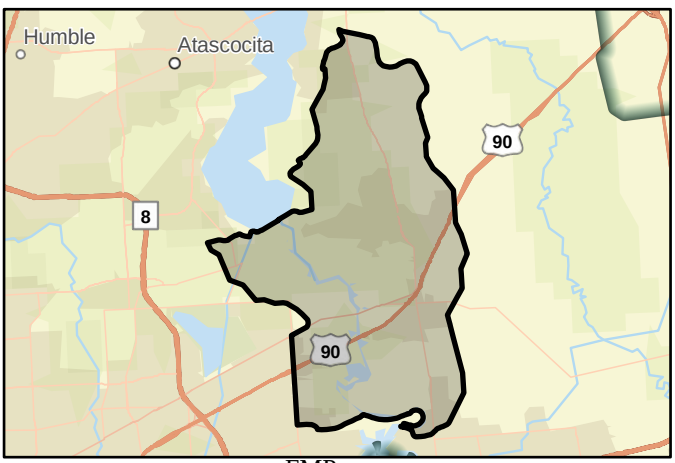
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 833 | Structures removed | 422 | Critical facilities removed | 15 |
| Emergency facilities removed | 8 | Farm/ranch removed | 1,266.96 | Roadways removed (miles) | 12.89 |
| Low water crossing removed | 1 | | | Reduction in road closures over 10 years | 1 |
| Other benefits | - | | | Residential removed | 253 |

## Impacts

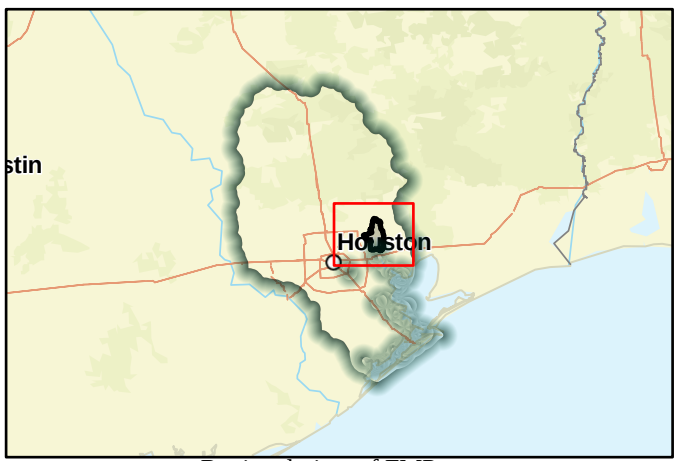
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $2,445,000 | % Nature-Based | 0% | Issues | Right-of-Way Acquisitions, Utility Conflicts |
| Recurring costs | $146,700 | BCR | 0.68 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | G103-05-02.1 Arcadian Gardens Project, alt S-4 |
| FMP ID | 06-52-0000000066 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | The Holly Road storm sewer is an 8-ft by 2-ft RCB, starting at Cypress Drive and extending 920 feet south to Tributary G103-05-02.1. The channel modification is a 5-ft deep channel extending 500 feet west, with an 8-ft bottom width and 4H:1V side slope |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 55.52 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 684 |
| Population at risk | 1,480 | Structures at risk | 827 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 764.5 | Roadway(s) impacted (length) | 18.32 | | |
| Number of low water crossings | 6 | Historical road closures | 6 | | |

## 100-Year Flood Risk Reduction

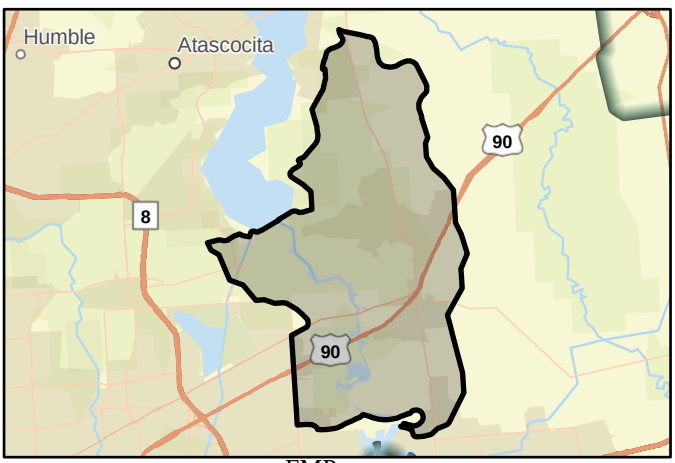
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 202 | Structures removed | 98 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 1.5 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 96 |

## Impacts

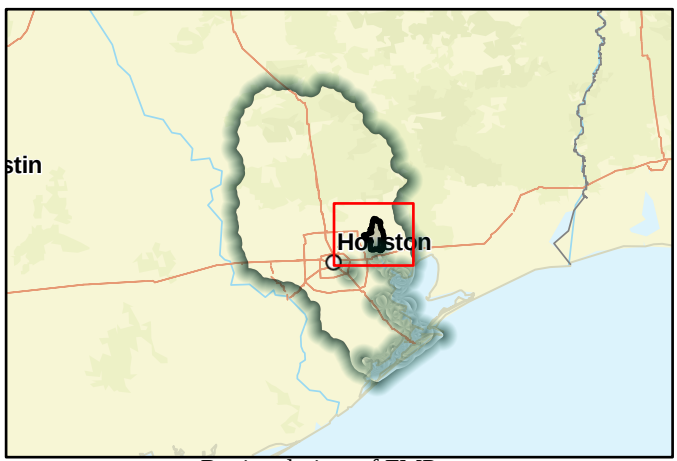
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $1,508,000 | % Nature-Based | 0% | Issues | Right-of-Way, Utility Conflicts |
| Recurring costs | $90,500 | BCR | 1.32 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | G103-09 and G103-05 Flood Risk Reduction Project for Barrett Station Area, S-1 |
| FMP ID | 06-52-0000000067 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Storm sewer is 12ft x 3ft RCB at Jean Lafitte Dr extending W to Sandman Ave then along Milo Dr out falling to FM 1942 proposed system. FM 1942 is 15ft x 6ft RCB at Jean Lafitte Dr extending E to Crosby Lynchburg Rd and out falling to G103-09-01 |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 55.52 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 684 |
| Population at risk | 1,480 | Structures at risk | 827 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 764.5 | Roadway(s) impacted (length) | 18.32 | | |
| Number of low water crossings | 6 | Historical road closures | 6 | | |

## 100-Year Flood Risk Reduction

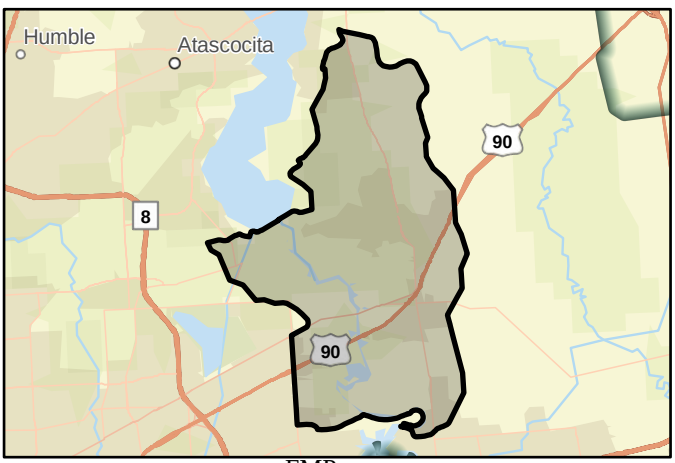
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 246 | Structures removed | 128 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 5.82 | Roadways removed (miles) | 3.03 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 110 |

## Impacts

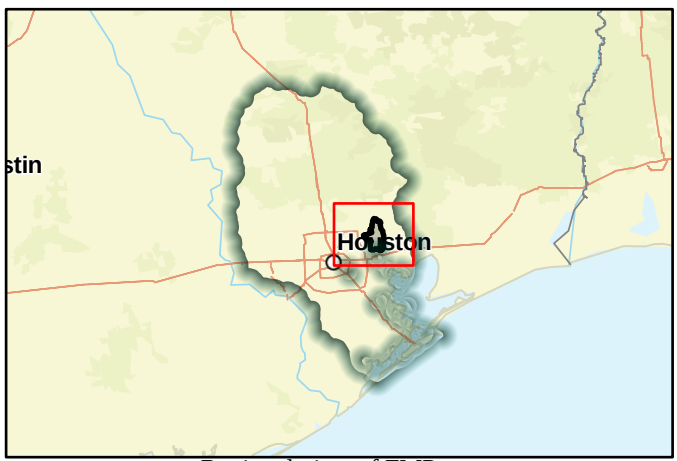
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $10,656,000 | % Nature-Based | 0% | Issues | Coordination to ensure proper inlet connections to detention pond, Right-of-Way Acquisitions, Utility Conflicts, Transportation Coordination (TxDOT was coordinated with) |
| Recurring costs | $639,400 | BCR | 0.59 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | G103-07-00 Sheldon Area Project, PA4 |
| FMP ID | 06-52-0000000068 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Channel |
| FMP Description | The project would involve channel conveyance improvements along tributaries G103-07-00 and G103-07-02. Both channel segments are proposed to be widened, deepened, and concrete lined |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 4.91 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 4 | Residential at risk | 379 |
| Population at risk | 2,411 | Structures at risk | 813 | Critical facilities | 4 |
| Farm/Ranch land impacted (acres) | 4.68 | Roadway(s) impacted (length) | 5.94 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

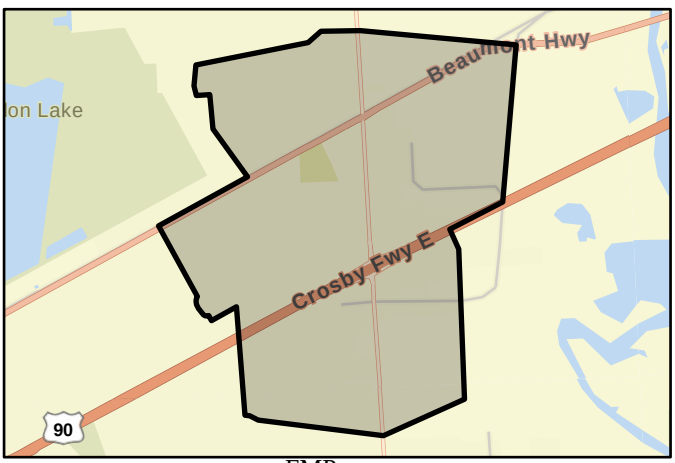
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 1,054 | Structures removed | 78 | Critical facilities removed | 1 |
| Emergency facilities removed | 1 | Farm/ranch removed | 0.07 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 63 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $35,223,000 | % Nature-Based | 0% | Issues | Right-of-Way, Utility Conflicts, Environmental Conflicts, Jurisdictional Verification of Channel |
| Recurring costs | $2,113,400 | BCR | 0.09 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | G103-24-00 Atascocita Area Project, PA1 |
| FMP ID | 06-52-0000000069 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | PA1 involves culvert and channel conveyance improvements along tributary G103-24-00 in the Atascocita area. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 4.42 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 4 | Residential at risk | 183 |
| Population at risk | 579 | Structures at risk | 189 | Critical facilities | 4 |
| Farm/Ranch land impacted (acres) | 0.68 | Roadway(s) impacted (length) | 8.52 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

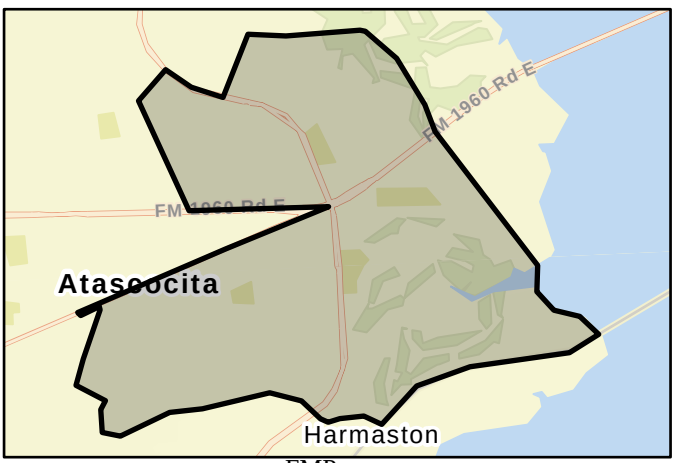
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 390 | Structures removed | 145 | Critical facilities removed | 3 |
| Emergency facilities removed | 3 | Farm/ranch removed | 0 | Roadways removed (miles) | 5.56 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 140 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $19,545,000 | % Nature-Based | 0% | Issues | Right-of-Way, Utility Conflicts, Environmental Conflicts, Jurisdictional Verification of Channel |
| Recurring costs | $1,172,700 | BCR | 0.56 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Q130-00-00 Channel Improvement PER and Design, alternative 3 |
| FMP ID | 06-52-0000000070 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | Alternative 3 proposes 3,300 linear feet of a natural stable channel design improvements and two detention basins. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 3.46 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 104 |
| Population at risk | 130 | Structures at risk | 131 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 362.22 | Roadway(s) impacted (length) | 1.16 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

| | | | | | |
|---|---|---|---|---|---|
| Population removed | 41 | Structures removed | 52 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 102.04 | Roadways removed (miles) | 0.33 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | Potential to incorporate trails within maintenance berm of the detention basin's top of bank. Also, | | | Residential removed | 43 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $17,559,000 | % Nature-Based | 0% | Issues | Right-of-Way, Permitting, Utility Conflicts, Transportation Conflicts |
| Recurring costs | $1,053,500 | BCR | 0.02 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Preliminary Engineering Study for Q122-00-00 |
| FMP ID | 06-52-0000000071 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | Excavation of two (2) stormwater detention basins on and offline of channel Q122-00-00. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 8.57 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 116 |
| Population at risk | 229 | Structures at risk | 191 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 1,045.77 | Roadway(s) impacted (length) | 0.65 | | |
| Number of low water crossings | 1 | Historical road closures | 1 | | |

## 100-Year Flood Risk Reduction

| | | | | | |
|---|---|---|---|---|---|
| Population removed | 229 | Structures removed | 191 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 1,041.94 | Roadways removed (miles) | 0.65 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 116 |

## Impacts

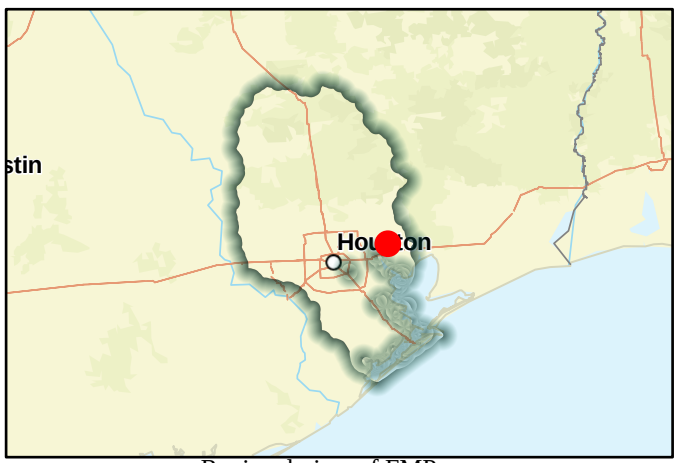
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $19,565,000 | % Nature-Based | 0% | Issues | Right-of-Way Acquisition, Permitting, Utility Conflicts, Environmental Conflicts |
| Recurring costs | $1,173,900 | BCR | 0.03 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | TLV Drainage Improvement Project |
| FMP ID | 06-52-0000000072 |
| Sponsor Entity ID | 06-01-0000003594 |
| Sponsor Name | Taylor Lake Village (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Replaces undersized drainage systems along Honey Oaks, Manorfield, Laurel Grove, and Forest Lake Drives, out falling to Armand Bayou. Honey Oaks upsized to 60” RCP; Manorfield and Forest Lake to 36”-60” RCP; Laurel Grove and Forest Lake to 48”-60” RCP. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.53 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 3 | Residential at risk | 203 |
| Population at risk | 443 | Structures at risk | 208 | Critical facilities | 3 |
| Farm/Ranch land impacted (acres) | 1.26 | Roadway(s) impacted (length) | 7.63 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

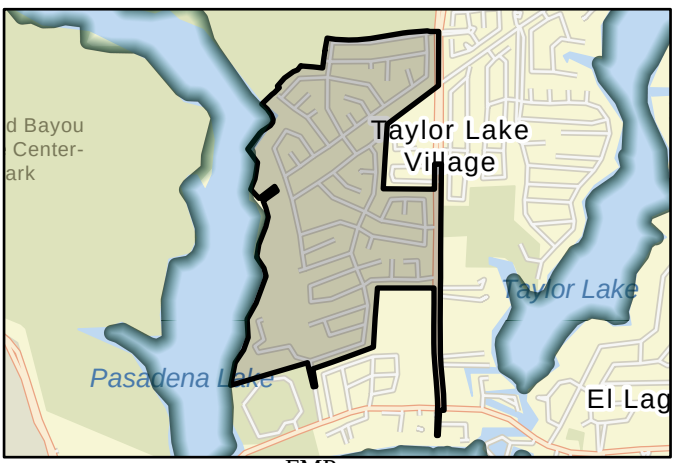
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 21 | Structures removed | 10 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.02 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 10 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $7,425,000 | % Nature-Based | 0% | Issues | Right-of-Way, Permitting, Potential Transportation Conflicts |
| Recurring costs | $445,500 | BCR | 2.08 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Bear/Panther Branch Drainage Improvements project |
| FMP ID | 06-52-0000000073 |
| Sponsor Entity ID | 00-01-0000000287 |
| Sponsor Name | San Jacinto River Authority (River Authority) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | The proposed drainage improvements aim to reduce flood extents and increase mobility during large rain events by widening channels on Bear Branch and Panther Branch, clearing overbank areas, and adding inline detention basins for floodplain storage |
| County | Montgomery |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 6.18 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 29 | Residential at risk | 403 |
| Population at risk | 9,734 | Structures at risk | 443 | Critical facilities | 29 |
| Farm/Ranch land impacted (acres) | 70.12 | Roadway(s) impacted (length) | 10.49 | | |
| Number of low water crossings | 1 | Historical road closures | 1 | | |

## 100-Year Flood Risk Reduction

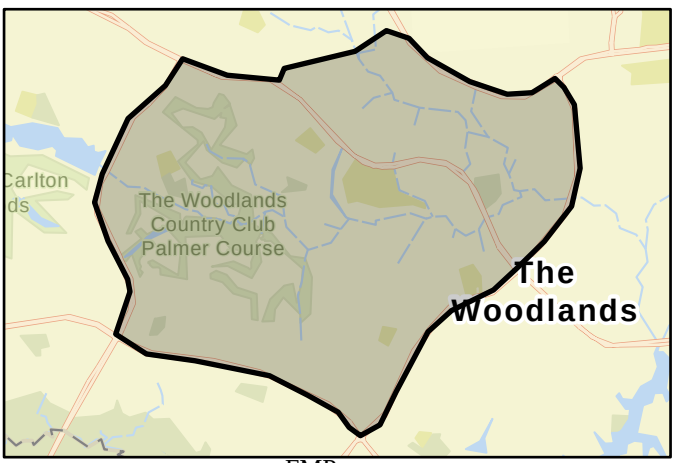
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 2,228 | Structures removed | 270 | Critical facilities removed | 12 |
| Emergency facilities removed | 12 | Farm/ranch removed | 1.91 | Roadways removed (miles) | 4.13 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 252 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $28,545,000 | % Nature-Based | 0% | Issues | Right-of-Way and Permitting |
| Recurring costs | $1,712,700 | BCR | 1.9 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | P125-00-00 Flood Risk Reduction Project Bundle, project 1 |
| FMP ID | 06-52-0000000076 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | ROW Acquisition, Design, and Construction of Two Flood Risk Reduction Projects on P125-00-00, P125-04-00 and P125-03-00 (2018 Bond Project Z-03) |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 3.84 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 10 | Residential at risk | 1,521 |
| Population at risk | 4,903 | Structures at risk | 1,594 | Critical facilities | 11 |
| Farm/Ranch land impacted (acres) | 86.19 | Roadway(s) impacted (length) | 16 | | |
| Number of low water crossings | 7 | Historical road closures | 7 | | |

## 100-Year Flood Risk Reduction

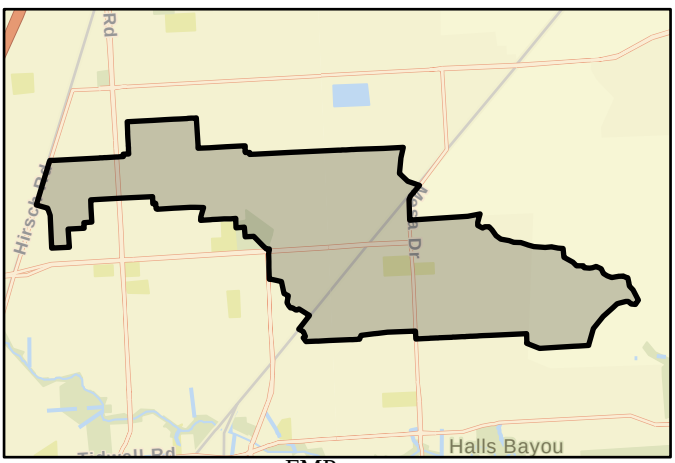
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 1,336 | Structures removed | 432 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 3.22 | Roadways removed (miles) | 3.75 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 413 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $56,047,000 | % Nature-Based | 0% | Issues | Right-of-way & Permitting. Environmental conflicts, and significant utilit conflicts can all require additional time to be considred in implementation of these projects |
| Recurring costs | $3,362,800 | BCR | 0.65 | | |



FMP area


Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | P126-00-00 Flood Risk Reduction Project, project 3 |
| FMP ID | 06-52-0000000077 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Channel |
| FMP Description | Phase 1 provides detention mitigation for channel-wide improvements in Phase 2. Phase 2 addresses out-of-bank flooding and overflow by increasing P126-00-00 channel-wide system capacity and conveyance. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 3.84 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 10 | Residential at risk | 1,521 |
| Population at risk | 4,903 | Structures at risk | 1,594 | Critical facilities | 11 |
| Farm/Ranch land impacted (acres) | 86.19 | Roadway(s) impacted (length) | 16 | | |
| Number of low water crossings | 7 | Historical road closures | 7 | | |

## 100-Year Flood Risk Reduction

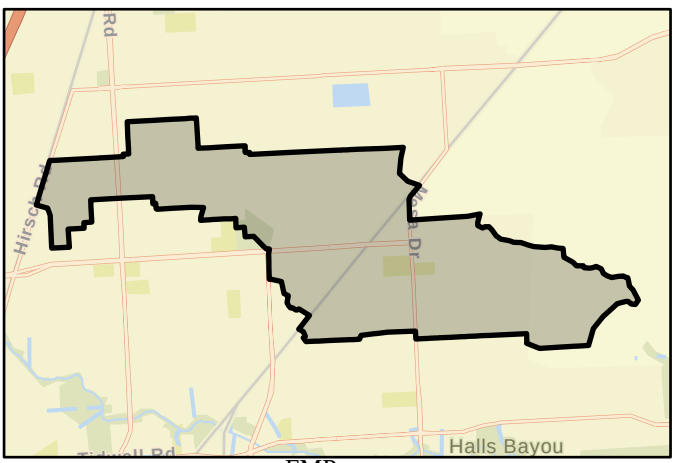
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 972 | Structures removed | 327 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 10.47 | Roadways removed (miles) | 1.36 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 317 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $95,387,000 | % Nature-Based | 0% | Issues | Right-of-way & Permitting. Environmental conflicts, and significant utilit conflicts can all require additional time to be considred in implementation of these projects |
| Recurring costs | $5,723,200 | BCR | 0.76 | | |



FMP area


Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | G103-09-01 Barrett Settlement and St. Charles Place Project S-2 |
| FMP ID | 06-52-0000000078 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | 12x4ft RCB from FM 1942 extends to 5ft deep, 10ft bottom channel then to 12x6ft RCB. 12x5ft RCB from Saint Cecilia & Zinn D extends N to new siphon. 15x6ft RCB along Barrett Rd extends W to 12ft deep, 16ft bottom channel to new storm sewer to G103-09-01 |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 55.52 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 684 |
| Population at risk | 1,480 | Structures at risk | 827 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 764.5 | Roadway(s) impacted (length) | 18.32 | | |
| Number of low water crossings | 6 | Historical road closures | 6 | | |

## 100-Year Flood Risk Reduction

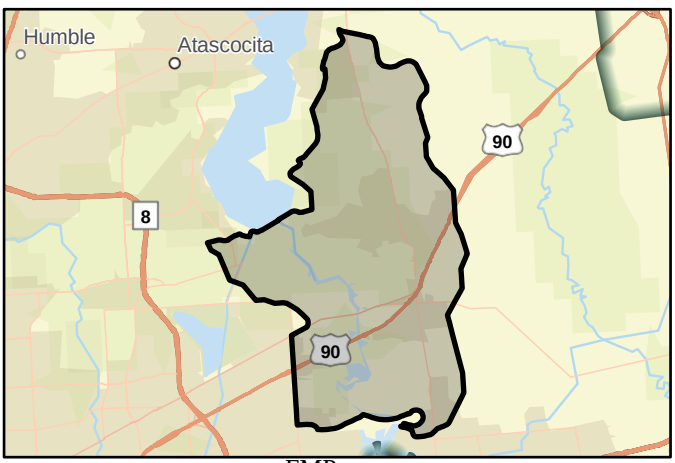
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 432 | Structures removed | 243 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 9.04 | Roadways removed (miles) | 2.41 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 215 |

## Impacts

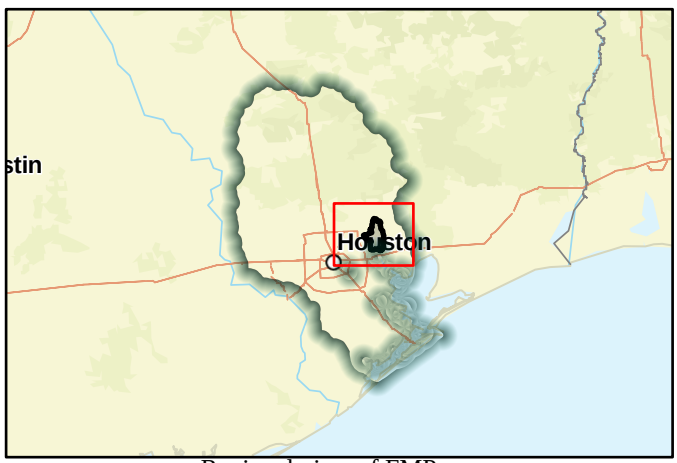
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $25,503,000 | % Nature-Based | 0% | Issues | Right-of-Way Acquisitions, Permitting Utility Conflicts, Environmental Conflicts |
| Recurring costs | $1,530,200 | BCR | 0.41 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | E116-00-00 Flood Risk Reduction Project Phase 2 |
| FMP ID | 06-52-0000000079 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | E116-05-03 channel lining, larger culverts, micro-detention in medians, storm sewers connecting median sections. E116-05-00 siltation removal, upsize box culverts, storm drainage expansion. E116-00-00 widening, upsize culvert, south detention enlargement |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.7 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 3 | Residential at risk | 411 |
| Population at risk | 1,342 | Structures at risk | 479 | Critical facilities | 3 |
| Farm/Ranch land impacted (acres) | 2.14 | Roadway(s) impacted (length) | 5.84 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

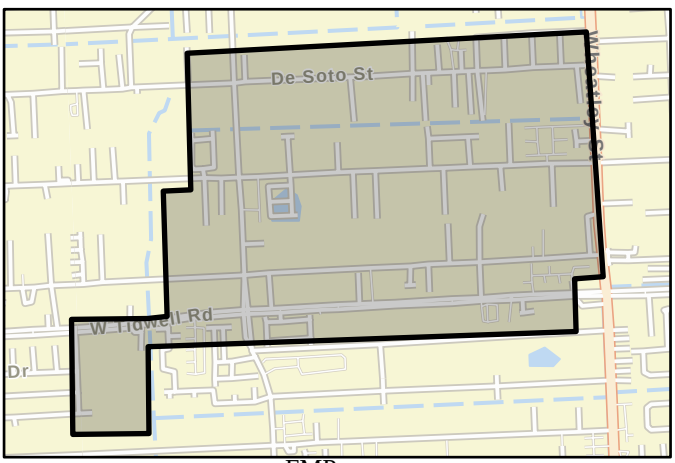
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 66 | Structures removed | 6 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0.04 | Roadways removed (miles) | 0.17 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 6 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $27,679,000 | % Nature-Based | 0% | Issues | Right-of-way aquisitions |
| Recurring costs | $1,660,700 | BCR | 0.5 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Q534-01-00 Detention Basin Design and Construction, Phase 1 improvements |
| FMP ID | 06-52-0000000080 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Phase 1 improvements involve constructing inflow structures, outfall structure, and the wet-bottom portion of the ultimate basin configuration. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 37.2 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 130 |
| Population at risk | 153 | Structures at risk | 173 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 1,848.16 | Roadway(s) impacted (length) | 0.53 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

| | | | | | |
|---|---|---|---|---|---|
| Population removed | 23 | Structures removed | 18 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 21.65 | Roadways removed (miles) | 0.26 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 16 |

## Impacts

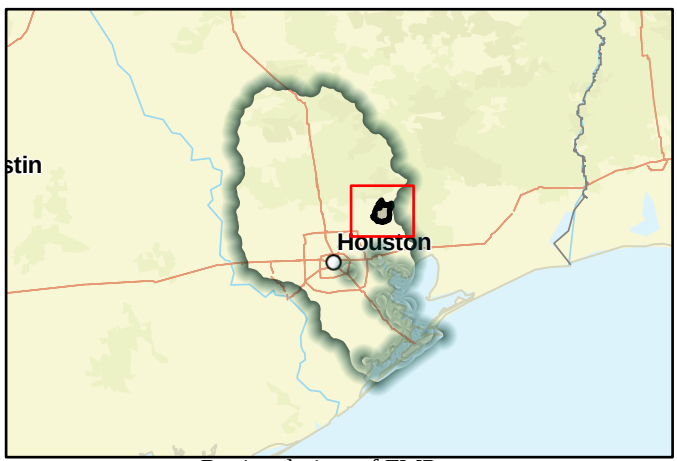
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $18,149,000 | % Nature-Based | 0% | Issues | Land aquisition, utility conflicts |
| Recurring costs | $1,088,900 | BCR | 0.14 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Saltwater Ditch Subwatershed Flood Risk Reduction Project |
| FMP ID | 06-52-0000000081 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Channel |
| FMP Description | Harris County Public Infrastructure Department (HCPID) is proposing to improve the Salt Water Ditch (HCFCD Unit # C118-00-00) from just east of Calhoun Road downstream to the channel outlet at Sims Bayou (HCFCD Unit # C100-00-00) |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 2.27 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 64 | Residential at risk | 4,007 |
| Population at risk | 13,404 | Structures at risk | 4,204 | Critical facilities | 64 |
| Farm/Ranch land impacted (acres) | 0.7 | Roadway(s) impacted (length) | 39.5 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

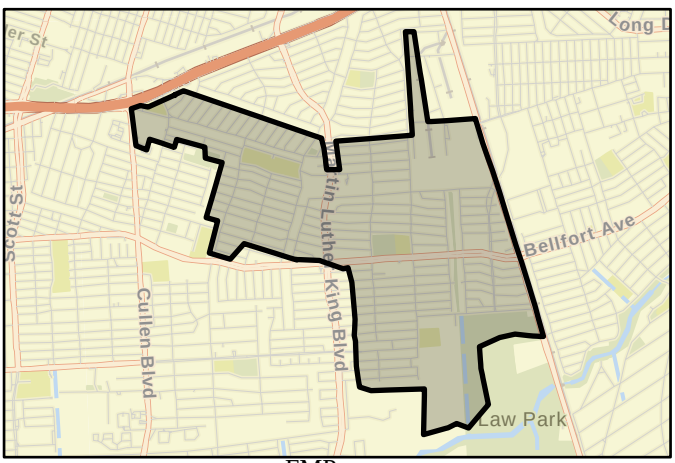
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | Proposed recreational trail | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $122,450,000 | % Nature-Based | 0% | Issues | utility conflicts, environmental conflicts |
| Recurring costs | $7,347,000 | BCR | 0.55 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Channel Conveyance and Stormwater Detention Improvements for Q136-00-00, alternative 1 |
| FMP ID | 06-52-0000000082 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | 1,130 feet of channel improvements between XS 217125 and 216288, and an 82 ac-ft detention basin on a vacant lot for sale east of the channel |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 3.08 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 68 |
| Population at risk | 164 | Structures at risk | 117 | Critical facilities | 5 |
| Farm/Ranch land impacted (acres) | 939.16 | Roadway(s) impacted (length) | 1.83 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

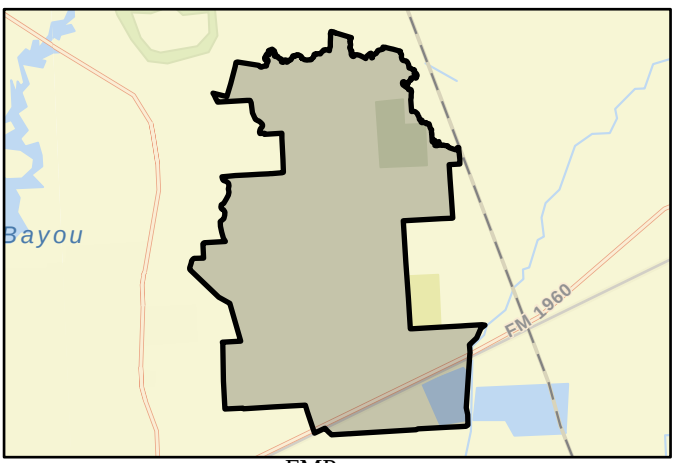
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 12 | Structures removed | 6 | Critical facilities removed | 2 |
| Emergency facilities removed | 2 | Farm/ranch removed | 9.65 | Roadways removed (miles) | 0.24 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | Room to incorporate trains within maintenance berms | | | Residential removed | 4 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $9,331,000 | % Nature-Based | 0% | Issues | ROW widening |
| Recurring costs | $559,900 | BCR | 0.09 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | City of Houston Southland Drainage Improvements |
| FMP ID | 06-52-0000000083 |
| Sponsor Entity ID | 00-01-0000002853 |
| Sponsor Name | Houston (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | The project would involves upsizing storm sewer where necessary to reduce overland ponding within the project area and proposed pond. |
| County | Harris |
| Associated FME's | 06-51-0000000474 |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.99 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 19 |
| Population at risk | 157 | Structures at risk | 29 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 5.76 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

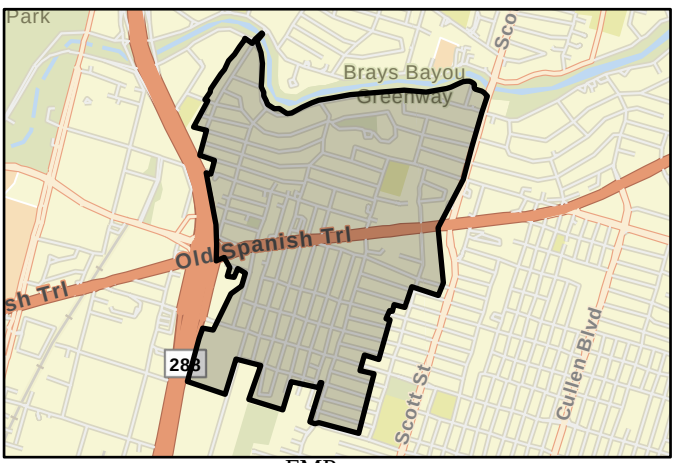
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 32 | Structures removed | 21 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 1.78 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 17 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $35,065,000 | % Nature-Based | 0% | Issues | Land acquistion for detention pond, transportation conflicts, permitting |
| Recurring costs | $2,103,900 | BCR | 0 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Vince Bayou Channel Conveyance Improvements PER (I100-00-00-E001), Alternative 1 |
| FMP ID | 06-52-0000000084 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | The project would involve five proposed detention basins (WP-01, WP-02, WP-03, WP-04 and WP-05) and two sections of channel improvements adjacent to WP-01 and WP-05. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 16.24 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 258 | Residential at risk | 17,937 |
| Population at risk | 90,999 | Structures at risk | 21,900 | Critical facilities | 283 |
| Farm/Ranch land impacted (acres) | 25.07 | Roadway(s) impacted (length) | 224.26 | | |
| Number of low water crossings | 9 | Historical road closures | 9 | | |

## 100-Year Flood Risk Reduction

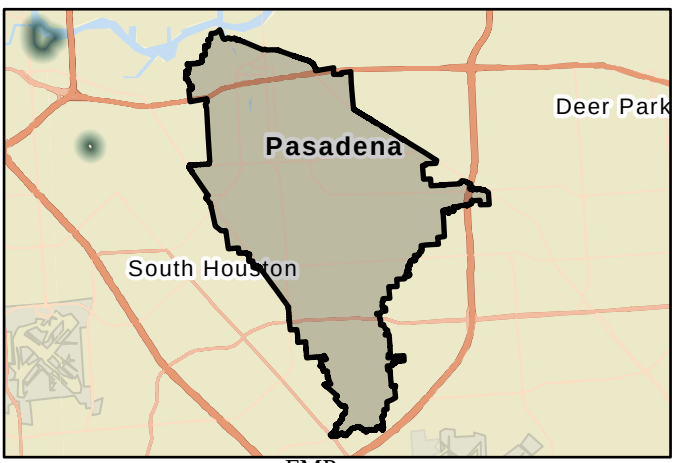
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 247 | Structures removed | 64 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 3.31 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 49 |

## Impacts

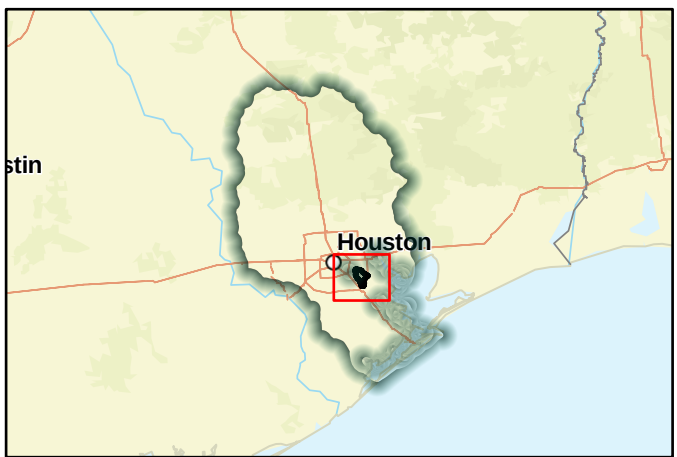
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $33,643,000 | % Nature-Based | 0% | Issues | Land aquisition, utility conflicts, need additional geotechnical analysis, premit from USACE for jurisdictional waterway, wetland areas |
| Recurring costs | $2,018,600 | BCR | 0.09 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | C106 - FMS, FMN, GT Alt 7 |
| FMP ID | 06-52-0000000085 |
| Sponsor Entity ID | 00-01-0000002853 |
| Sponsor Name | Houston (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Places 4-12x12 RCBs in C106-10-00 and C106-10-01 channels from Theta St to C106-00-00, and a bypass along Hartsook Rd with 2-8x4 RCBs. Provides additional storage and optimizes channel WSEs for maximum benefit to neighborhoods |
| County | Harris |
| Associated FME's | 06-51-0000000472 |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.44 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 3 | Residential at risk | 526 |
| Population at risk | 1,838 | Structures at risk | 536 | Critical facilities | 3 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 9.6 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

| | | | | | |
|---|---|---|---|---|---|
| Population removed | 1,832 | Structures removed | 534 | Critical facilities removed | 3 |
| Emergency facilities removed | 3 | Farm/ranch removed | 0 | Roadways removed (miles) | 8.48 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 525 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $66,829,000 | % Nature-Based | 0% | Issues | Utility Relocation, Right-of-way space |
| Recurring costs | $4,009,700 | BCR | 0.1 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | City of Houston Westbury CIP Project |
| FMP ID | 06-52-0000000086 |
| Sponsor Entity ID | 00-01-0000002853 |
| Sponsor Name | Houston (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | Westbury CIP Project includes replacing/upsizing storm sewers & inlets for 2-year storm flows. A parcel on Beaudry Dr. will be used for a new outfall to Willow Waterhole Bayou, reducing flow to Hillcroft St. HCFCD Unit D140-05-02 to have 2yr capacity |
| County | Harris |
| Associated FME's | 06-51-0000000475 |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.87 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flood risk type: | Riverine? | No | Coastal? | No | Local? | Yes | Playa? | No | Other? | No |
| Known lives lost in study area | 0 | Emergency facilities at risk | 8 | Residential at risk | 985 |
| Population at risk | 2,685 | Structures at risk | 999 | Critical facilities | 8 |
| Farm/Ranch land impacted (acres) | 1.36 | Roadway(s) impacted (length) | 15.64 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

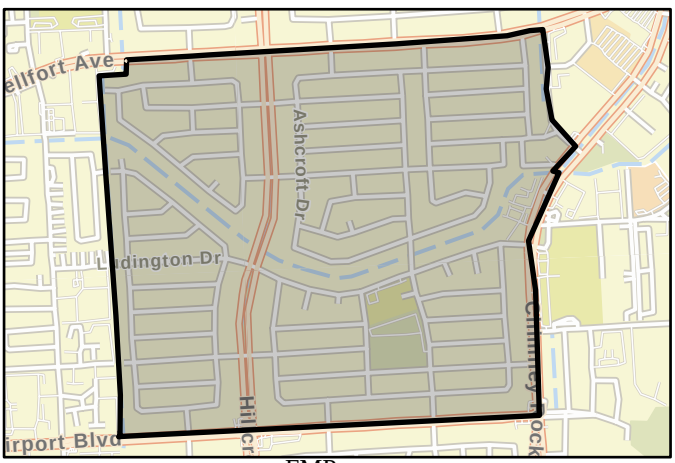
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 889 | Structures removed | 222 | Critical facilities removed | 5 |
| Emergency facilities removed | 5 | Farm/ranch removed | 1.35 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 135 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $151,674,000 | % Nature-Based | 0% | Issues | utility relocation, transportation conflicts |
| Recurring costs | $9,100,400 | BCR | 0.1 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | City of Houston Kirkwood/Nottingham Drainage Improvements |
| FMP ID | 06-52-0000000087 |
| Sponsor Entity ID | 00-01-0000002853 |
| Sponsor Name | Houston (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | 4,000 LF of 8'x10' Box Culvert (7.35 ac-ft), 24,700 LF of 78" RCP (18.80 ac-ft), and a 3.81 ac (total property required) Detention Pond (50 ac-ft) |
| County | Harris |
| Associated FME's | 06-51-0000000481 |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.37 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 740 |
| Population at risk | 1,838 | Structures at risk | 747 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 7.65 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

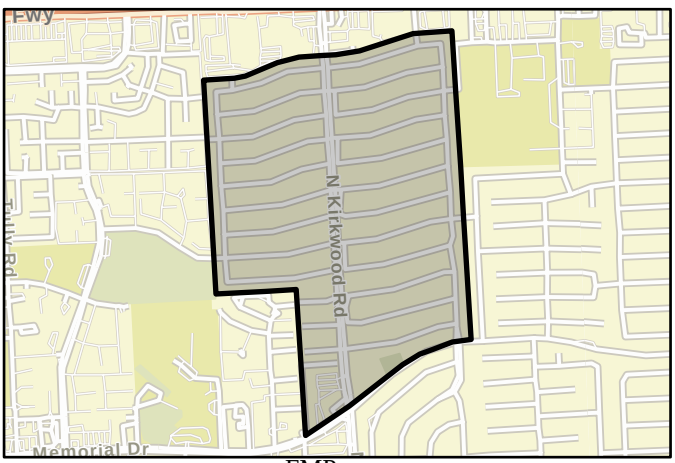
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 818 | Structures removed | 342 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 1 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 341 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $48,722,000 | % Nature-Based | 0% | Issues | Space limitations |
| Recurring costs | $2,923,300 | BCR | 0.8 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | City of Houston Spring Shadow South Drainage Improvements |
| FMP ID | 06-52-0000000088 |
| Sponsor Entity ID | 00-01-0000002853 |
| Sponsor Name | Houston (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Upgrade drainage system and adding inline-detention Storage. |
| County | Harris |
| Associated FME's | 06-51-0000000433 |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.8 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 2 | Residential at risk | 860 |
| Population at risk | 3,134 | Structures at risk | 908 | Critical facilities | 2 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 12.27 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

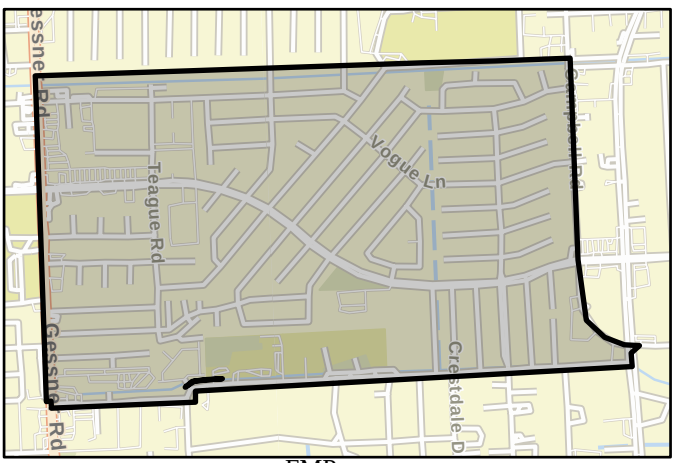
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 136 | Structures removed | 54 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.05 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | Additional sidewalks or trails, potential green infrastructur | | | Residential removed | 49 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $25,043,000 | % Nature-Based | 0% | Issues | ROW aquisition, utility conflict and relocation, coordination with the COH Water and Watsewater Departments |
| Recurring costs | $1,502,600 | BCR | 0.1 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Q128-00-00 Channel Conveyance Improvements |
| FMP ID | 06-52-0000000089 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Channel |
| FMP Description | Bench Excavation Channel design from Adlong School Rd bridge to 1.4 miles downstream of Q128-00-00 for a 5-yr system capacity. Downstream improvements transition to existing channel, containing the 5-yr WSEL within the channel without overbank spilling |
| County | Multiple |
| Associated FME's | 06-51-0000000374 |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 11.5 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 1 | Residential at risk | 191 |
| Population at risk | 431 | Structures at risk | 348 | Critical facilities | 1 |
| Farm/Ranch land impacted (acres) | 1,924.9 | Roadway(s) impacted (length) | 3.84 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

| | | | | | |
|---|---|---|---|---|---|
| Population removed | 30 | Structures removed | 24 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.55 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 17 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $26,248,000 | % Nature-Based | 0% | Issues | ROW aquisition, Utility conflicts, need permit for wetland mitigation and detention basin structures, funding constraints |
| Recurring costs | $1,574,900 | BCR | 1.02 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | City of Houston Richmond Plaza Drainage Improvements |
| FMP ID | 06-52-0000000090 |
| Sponsor Entity ID | 00-01-0000002853 |
| Sponsor Name | Houston (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Reduces 10-year ponding within Houston's ROW & includes detention. The lowered field area remains a multi-use park/detention. It includes storm sewer improvements, including an 8x8-ft line along Chimney Rock Rd with a restrictor |
| County | Harris |
| Associated FME's | 06-51-0000000473 |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.17 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 4 | Residential at risk | 226 |
| Population at risk | 1,871 | Structures at risk | 283 | Critical facilities | 4 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 3.34 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

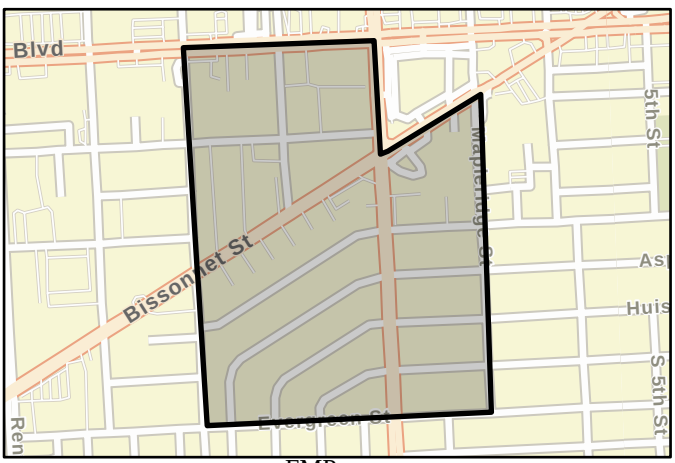
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 21 | Structures removed | 10 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.09 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 6 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $71,050,000 | % Nature-Based | 0% | Issues | Land aquistion, utility conflicts, removal or conversion for a portion of existing park fields |
| Recurring costs | $4,263,000 | BCR | 0.5 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | City of Houston Huntington Village Drainage Improvements |
| FMP ID | 06-52-0000000091 |
| Sponsor Entity ID | 00-01-0000002853 |
| Sponsor Name | Houston (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Project provides for design and construction of storm drainage improvements, necessary concrete paving for street replacement, curbs, sidewalks, driveways, and street lights to serve the Huntington Village subdivisions |
| County | Multiple |
| Associated FME's | 06-51-0000000419 |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.68 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 21 |
| Population at risk | 76 | Structures at risk | 24 | Critical facilities | 3 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 2.87 | | |
| Number of low water crossings | 3 | Historical road closures | 3 | | |

## 100-Year Flood Risk Reduction

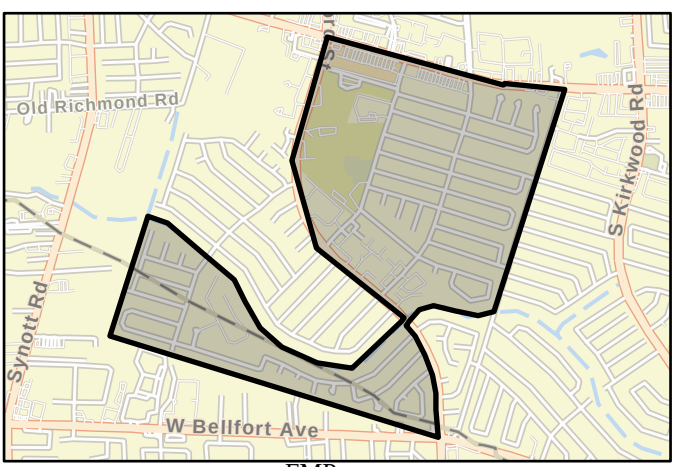
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 15 | Structures removed | 6 | Critical facilities removed | 3 |
| Emergency facilities removed | 3 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.3 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | Bike Route | | | Residential removed | 3 |

## Impacts

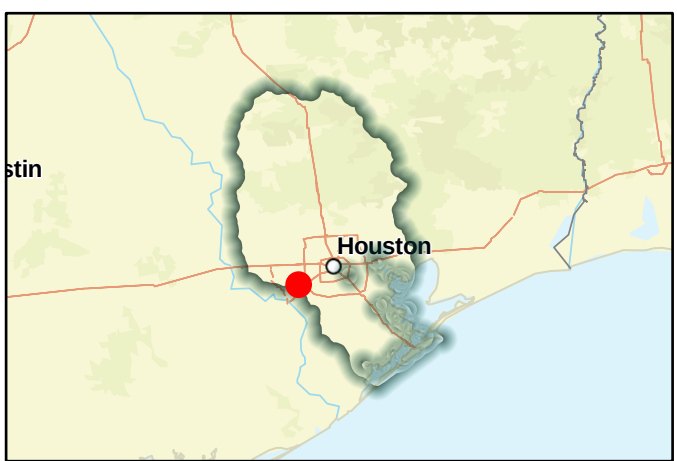
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $36,636,000 | % Nature-Based | 0% | Issues | Utility Conflicts |
| Recurring costs | $2,198,200 | BCR | 0 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | Scott Street - OST to Brays Projects 1,2,and 3 |
| FMP ID | 06-52-0000000092 |
| Sponsor Entity ID | 00-01-0000002853 |
| Sponsor Name | Houston (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | 5 RR Crossing Improvements, Kuhlman Gully US expansion, Kuhlman Gully DS pond, Griggs Pond. Improvements to OST/Griggs, Cullen, Scott St, Calhoun Pond, Mainer St, drainage easement, St Augustine, Dixie Dr, Rebecca St Pond & Beech White Park Pond |
| County | Harris |
| Associated FME's | 06-51-0000000471 |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 1.06 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 1,438 |
| Population at risk | 4,429 | Structures at risk | 1,569 | Critical facilities | 27 |
| Farm/Ranch land impacted (acres) | 0.14 | Roadway(s) impacted (length) | 15.11 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

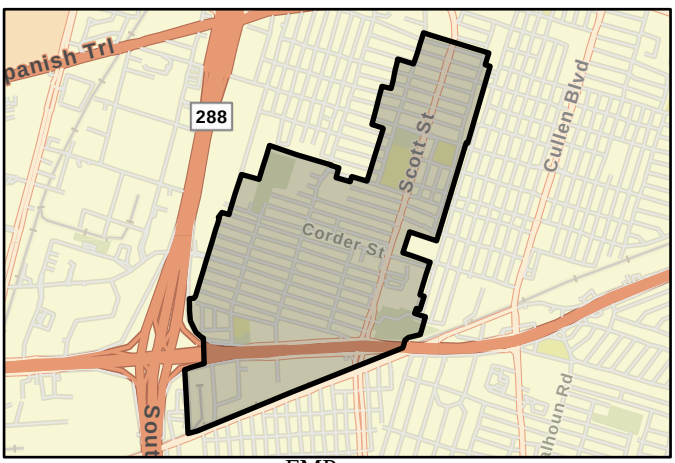
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 236 | Structures removed | 96 | Critical facilities removed | 2 |
| Emergency facilities removed | 2 | Farm/ranch removed | 0.14 | Roadways removed (miles) | 15.11 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 83 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $155,900,000 | % Nature-Based | 0% | Issues | Utility conflicts, lack of right-of-way, transportation conflicts |
| Recurring costs | $9,354,000 | BCR | 1.5 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Lake Creek - Garrett's Creek Detention |
| FMP ID | 06-52-0000000093 |
| Sponsor Entity ID | 00-01-0000000287 |
| Sponsor Name | San Jacinto River Authority (River Authority) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | Design, land acquisition, and construction of a dry dam on Garrett's Creek to provide 16,850 acre-feet of storage during storm events and mitigate flood risk along Lake Creek. |
| County | Multiple |
| Associated FME's | 06-51-0000000644 |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 457.1 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 23 | Residential at risk | 3,238 |
| Population at risk | 11,824 | Structures at risk | 4,036 | Critical facilities | 34 |
| Farm/Ranch land impacted (acres) | 10,798.66 | Roadway(s) impacted (length) | 135.66 | | |
| Number of low water crossings | 20 | Historical road closures | 20 | | |

## 100-Year Flood Risk Reduction

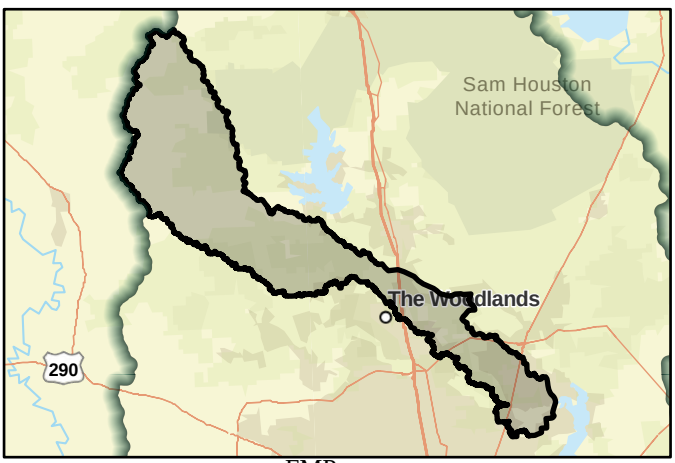
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 5,424 | Structures removed | 2,021 | Critical facilities removed | 18 |
| Emergency facilities removed | 12 | Farm/ranch removed | 0 | Roadways removed (miles) | 49.37 |
| Low water crossing removed | -1 | | | Reduction in road closures over 10 years | -1 |
| Other benefits | - | | | Residential removed | 1,632 |

## Impacts

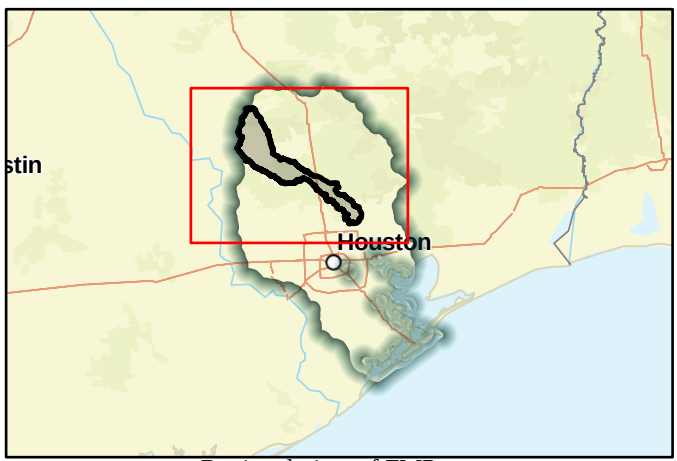
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $156,936,000 | % Nature-Based | 0% | Issues | Right-of-Way, Permitting, Acquisitions, Relocations, Utility Conflicts |
| Recurring costs | $9,416,200 | BCR | 0.31 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Lake Creek - Little Caney Creek Detention |
| FMP ID | 06-52-0000000094 |
| Sponsor Entity ID | 00-01-0000000287 |
| Sponsor Name | San Jacinto River Authority (River Authority) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | Design, land acquisition, and construction of a dry dam on Little Caney Creek to provide 17,500 acre-feet of storage during storm events and mitigate flood risk along Lake Creek. |
| County | Multiple |
| Associated FME's | 06-51-0000000643 |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 457.1 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 23 | Residential at risk | 3,238 |
| Population at risk | 11,824 | Structures at risk | 4,036 | Critical facilities | 34 |
| Farm/Ranch land impacted (acres) | 10,798.66 | Roadway(s) impacted (length) | 135.66 | | |
| Number of low water crossings | 20 | Historical road closures | 20 | | |

## 100-Year Flood Risk Reduction

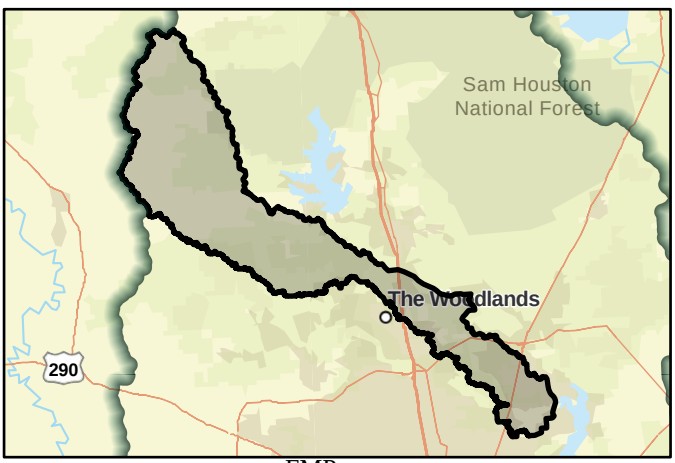
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 5,424 | Structures removed | 2,021 | Critical facilities removed | 18 |
| Emergency facilities removed | 12 | Farm/ranch removed | 0 | Roadways removed (miles) | 49.37 |
| Low water crossing removed | -1 | | | Reduction in road closures over 10 years | -1 |
| Other benefits | - | | | Residential removed | 1,632 |

## Impacts

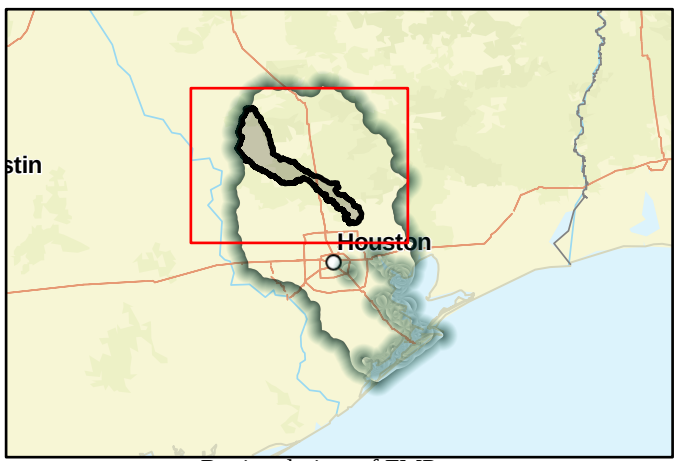
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $153,342,000 | % Nature-Based | 0% | Issues | Right-of-Way, Permitting, Acquisitions, Relocations, Utility Conflicts |
| Recurring costs | $9,200,500 | BCR | 0.27 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Spring Creek I-45 Channelization |
| FMP ID | 06-52-0000000095 |
| Sponsor Entity ID | 00-01-0000000287 |
| Sponsor Name | San Jacinto River Authority (River Authority) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Channel |
| FMP Description | Design, land acquisition, and construction of channel conveyance improvements on Spring Creek from I-45 to approximately 4 miles downstream of Riley Fuzzel Road to increase conveyance capacity. |
| County | Multiple |
| Associated FME's | 06-51-0000000648 |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 392.23 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 16 | Residential at risk | 5,660 |
| Population at risk | 16,163 | Structures at risk | 6,669 | Critical facilities | 20 |
| Farm/Ranch land impacted (acres) | 4,463.54 | Roadway(s) impacted (length) | 129.4 | | |
| Number of low water crossings | 58 | Historical road closures | 58 | | |

## 100-Year Flood Risk Reduction

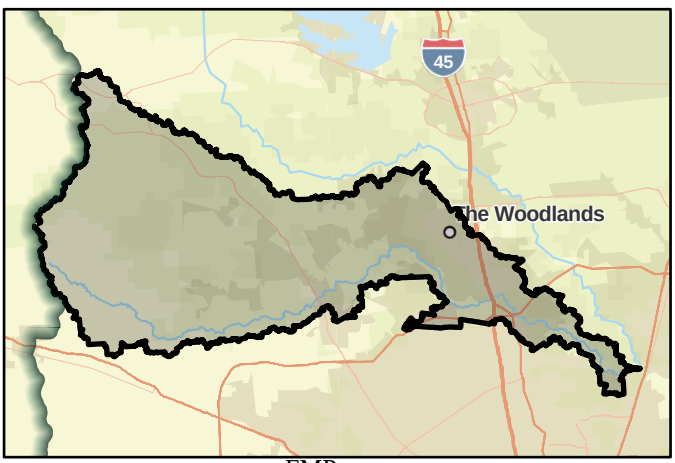
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 7,178 | Structures removed | 2,944 | Critical facilities removed | 8 |
| Emergency facilities removed | 7 | Farm/ranch removed | 0 | Roadways removed (miles) | 46.77 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 2,509 |

## Impacts

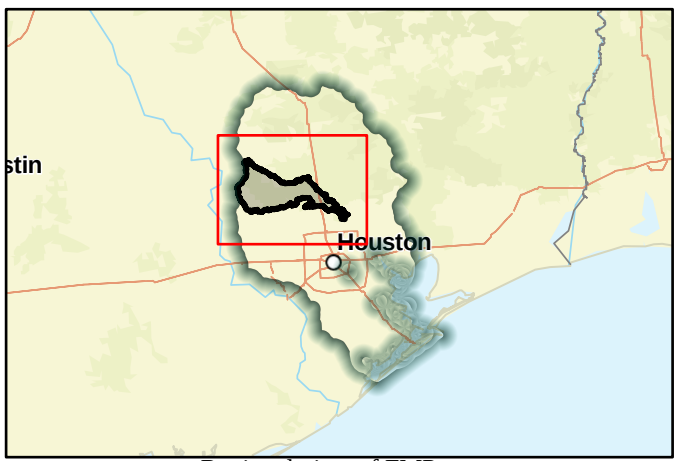
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $101,828,000 | % Nature-Based | 0% | Issues | Right-of-Way, Permitting, Acquisitions, Utility Conflics, Transportation Conflicts |
| Recurring costs | $6,109,700 | BCR | 1.17 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Spring Creek Walnut Creek Detention |
| FMP ID | 06-52-0000000096 |
| Sponsor Entity ID | 00-01-0000000287 |
| Sponsor Name | San Jacinto River Authority (River Authority) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | Design, land acquisition, and construction of dry dam detention facility on Walnut, to provide approximately 7,200 acre-ft of storage during storm events and reduce flood risk on Spring Creek. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 414.13 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 28 | Residential at risk | 7,420 |
| Population at risk | 21,228 | Structures at risk | 8,746 | Critical facilities | 33 |
| Farm/Ranch land impacted (acres) | 5,481.51 | Roadway(s) impacted (length) | 183.18 | | |
| Number of low water crossings | 62 | Historical road closures | 62 | | |

## 100-Year Flood Risk Reduction

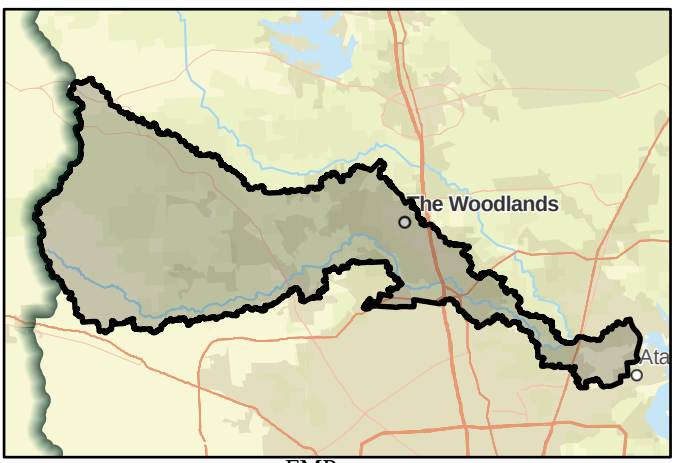
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 16,301 | Structures removed | 6,980 | Critical facilities removed | 31 |
| Emergency facilities removed | 27 | Farm/ranch removed | 0 | Roadways removed (miles) | 127.97 |
| Low water crossing removed | -2 | | | Reduction in road closures over 10 years | -2 |
| Other benefits | - | | | Residential removed | 6,045 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $171,312,000 | % Nature-Based | 0% | Issues | Right-of-Way, Permitting, Acquisitions, Utility Conflics, Transportation Conflicts |
| Recurring costs | $10,278,700 | BCR | 1.21 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Spring Creek Woodlands Channelization (200-ft) |
| FMP ID | 06-52-0000000097 |
| Sponsor Entity ID | 00-01-0000000287 |
| Sponsor Name | San Jacinto River Authority (River Authority) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Channel |
| FMP Description | Design, land acquisition, and construction of channel conveyance improvements on Spring Creek from Kuykendahl Road to Willow Creek confluence to increase conveyance capacity. |
| County | Multiple |
| Associated FME's | 06-51-0000000647 |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 392.23 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 16 | Residential at risk | 5,660 |
| Population at risk | 16,163 | Structures at risk | 6,669 | Critical facilities | 20 |
| Farm/Ranch land impacted (acres) | 4,463.54 | Roadway(s) impacted (length) | 129.4 | | |
| Number of low water crossings | 58 | Historical road closures | 58 | | |

## 100-Year Flood Risk Reduction

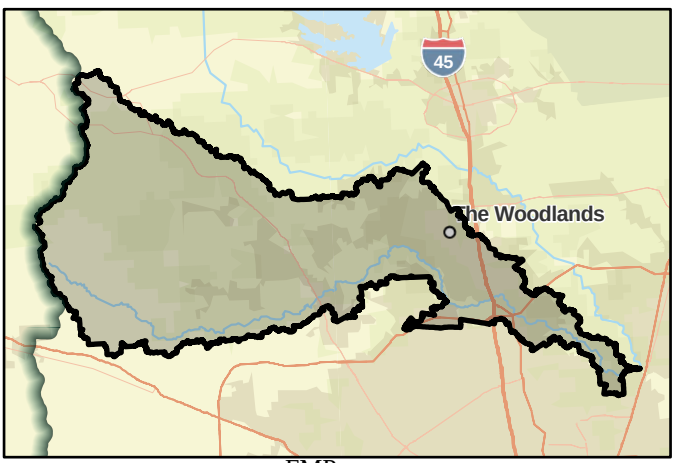
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 1,856 | Structures removed | 718 | Critical facilities removed | 5 |
| Emergency facilities removed | 5 | Farm/ranch removed | 0 | Roadways removed (miles) | 8.2 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 692 |

## Impacts

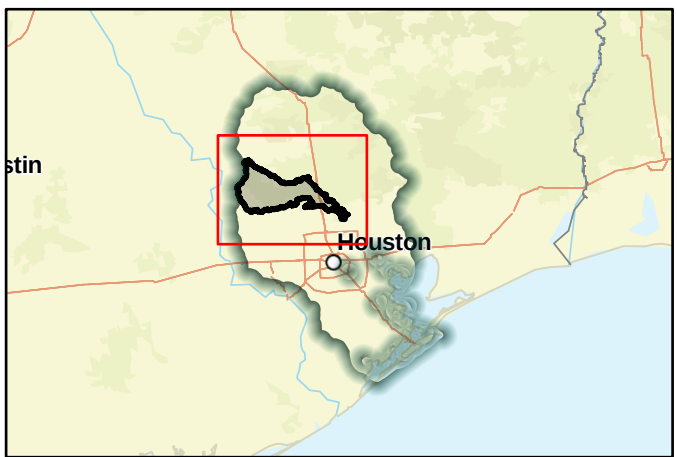
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $67,087,000 | % Nature-Based | 0% | Issues | Right-of-Way, Permitting, Acquisitions, Utility Conflics, Transportation Conflicts |
| Recurring costs | $4,025,200 | BCR | 0.62 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Lake Creek - Caney Creek Detention |
| FMP ID | 06-52-0000000098 |
| Sponsor Entity ID | 06-01-0000000037 |
| Sponsor Name | Montgomery County (County) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | Design, land acquisition, and construction of a dry dam on Caney Creek to reduce flooding, provide 19,750 acre-feet of storage during storm events, and mitigate flood risk along Caney and Lake Creek. |
| County | Multiple |
| Associated FME's | 06-51-0000000642 |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 457.1 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 23 | Residential at risk | 3,238 |
| Population at risk | 11,824 | Structures at risk | 4,036 | Critical facilities | 34 |
| Farm/Ranch land impacted (acres) | 10,798.66 | Roadway(s) impacted (length) | 135.66 | | |
| Number of low water crossings | 20 | Historical road closures | 20 | | |

## 100-Year Flood Risk Reduction

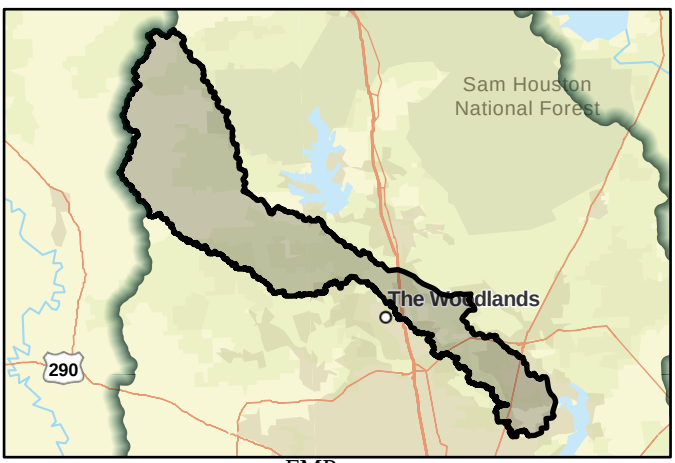
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 5,424 | Structures removed | 2,021 | Critical facilities removed | 18 |
| Emergency facilities removed | 12 | Farm/ranch removed | 0 | Roadways removed (miles) | 49.37 |
| Low water crossing removed | -1 | | | Reduction in road closures over 10 years | -1 |
| Other benefits | - | | | Residential removed | 1,632 |

## Impacts

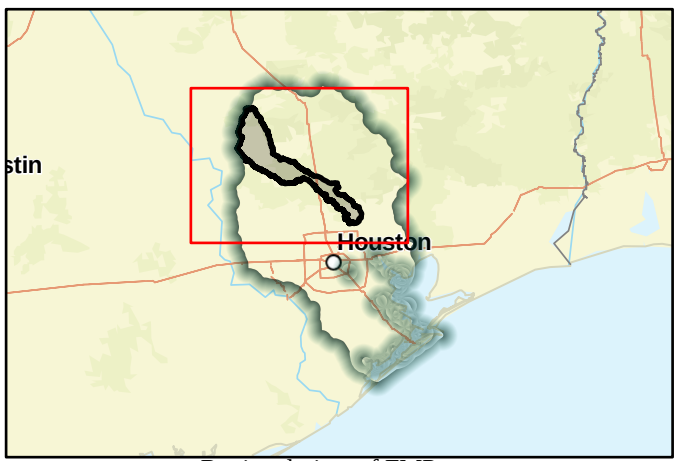
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $195,271,000 | % Nature-Based | 0% | Issues | Right-of-Way, Permitting, Acquisitions, Relocations, Utility Conflicts |
| Recurring costs | $11,716,300 | BCR | 0.26 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Spring Creek Birch Creek Detention |
| FMP ID | 06-52-0000000099 |
| Sponsor Entity ID | 00-01-0000000287 |
| Sponsor Name | San Jacinto River Authority (River Authority) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | Design, land acquisition, and construction of dry dam detention facility on Birch Creek, to provide approximately 4,800 acre-ft of storage during storm events and reduce flood risk on Spring Creek. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 414.13 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 28 | Residential at risk | 7,420 |
| Population at risk | 21,228 | Structures at risk | 8,746 | Critical facilities | 33 |
| Farm/Ranch land impacted (acres) | 5,481.51 | Roadway(s) impacted (length) | 183.18 | | |
| Number of low water crossings | 62 | Historical road closures | 62 | | |

## 100-Year Flood Risk Reduction

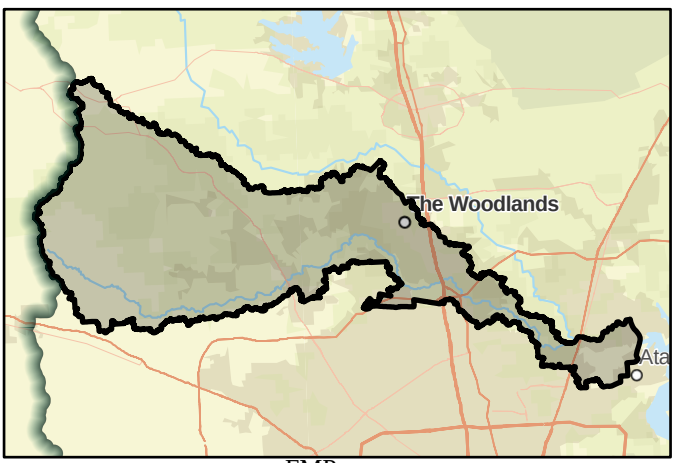
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 16,181 | Structures removed | 6,924 | Critical facilities removed | 31 |
| Emergency facilities removed | 27 | Farm/ranch removed | 0 | Roadways removed (miles) | 126.75 |
| Low water crossing removed | -2 | | | Reduction in road closures over 10 years | -2 |
| Other benefits | - | | | Residential removed | 5,998 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $103,027,000 | % Nature-Based | 0% | Issues | Right-of-Way, Permitting, Acquisitions, Utility Conflics, Transportation Conflicts |
| Recurring costs | $6,181,600 | BCR | 2.03 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | City of Bayou Vista Regulations and Permit Requirements Update |
| FMP ID | 06-52-0000000114 |
| Sponsor Entity ID | 06-01-0000002806 |
| Sponsor Name | Bayou Vista (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

## FMP Details

| | |
|---|---|
| FMP Type | Preparedness |
| FMP Description | Update regulations and permit requirements to address enhances hazard mitigation strategies. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.45 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 49 |
| Population at risk | 79 | Structures at risk | 50 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 0.01 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

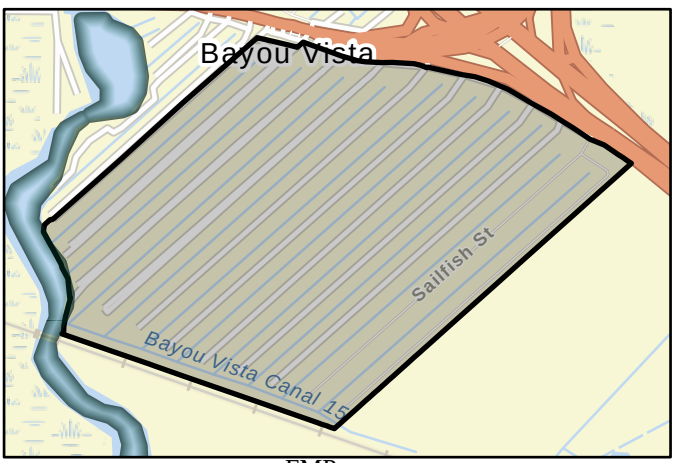
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $132,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $7,900 | BCR | 5 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | City of Cleveland Floodplain Land-Use Ordinance |
| FMP ID | 06-52-0000000123 |
| Sponsor Entity ID | 06-01-0000002530 |
| Sponsor Name | Cleveland (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

## FMP Details

| | |
|---|---|
| FMP Type | Preparedness |
| FMP Description | The city shall adopt a land-use ordinance which prohibits building residential or commercial structures in the 100-year floodplain. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 18.81 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 20 | Residential at risk | 596 |
| Population at risk | 3,732 | Structures at risk | 1,058 | Critical facilities | 20 |
| Farm/Ranch land impacted (acres) | 960.83 | Roadway(s) impacted (length) | 54.67 | | |
| Number of low water crossings | 1 | Historical road closures | 1 | | |

## 100-Year Flood Risk Reduction

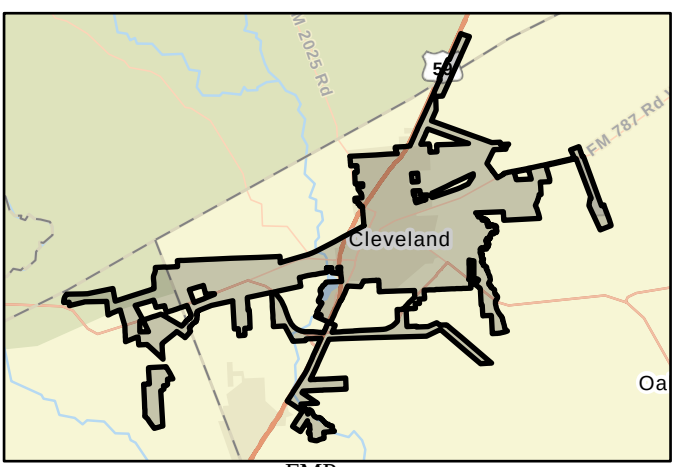
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

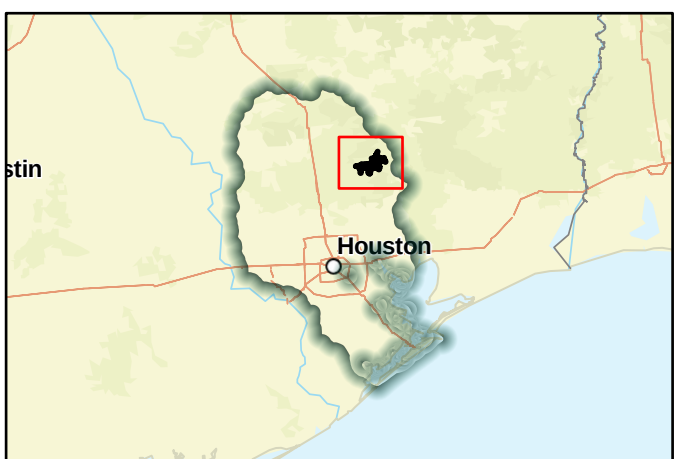
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $132,000 | % Nature-Based | 0% | Issues | Relocations |
| Recurring costs | $7,900 | BCR | 5 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | City of Cleveland Floodplain Ordinance Update |
| FMP ID | 06-52-0000000124 |
| Sponsor Entity ID | 06-01-0000002530 |
| Sponsor Name | Cleveland (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

## FMP Details

| | |
|---|---|
| FMP Type | Preparedness |
| FMP Description | Adopt a land use ordinance which requires any structure within the 100-year floodplain to be elevated 2 feet. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 18.81 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 20 | Residential at risk | 596 |
| Population at risk | 3,732 | Structures at risk | 1,058 | Critical facilities | 20 |
| Farm/Ranch land impacted (acres) | 960.83 | Roadway(s) impacted (length) | 54.67 | | |
| Number of low water crossings | 1 | Historical road closures | 1 | | |

## 100-Year Flood Risk Reduction

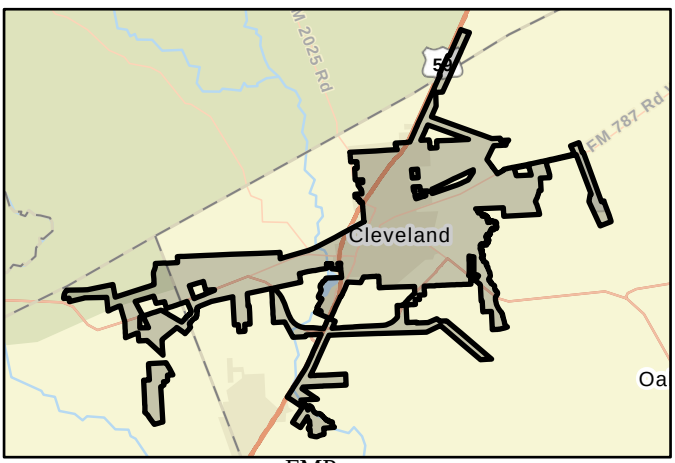
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $132,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $7,900 | BCR | 0 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Galveston Bay Surge Protection Coastal Storm Risk Management |
| FMP ID | 06-52-0000000127 |
| Sponsor Entity ID | 00-01-0000004001 |
| Sponsor Name | Gulf Coast Protection District (Other) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Coastal |
| FMP Description | Federal projects identified in the Texas Coastal Study (2021) including Boliver Gates, Galveston Sea Wall Improvements, Ecosystem Restoration, Galveston Ring Barrier system, Clear Creek & Dickinson Bayou Gates, and non-structural measures. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 1,911.43 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 804 | Residential at risk | 85,268 |
| Population at risk | 267,314 | Structures at risk | 104,058 | Critical facilities | 1,798 |
| Farm/Ranch land impacted (acres) | 51,475.6 | Roadway(s) impacted (length) | 1,692.74 | | |
| Number of low water crossings | 424 | Historical road closures | 424 | | |

## 100-Year Flood Risk Reduction

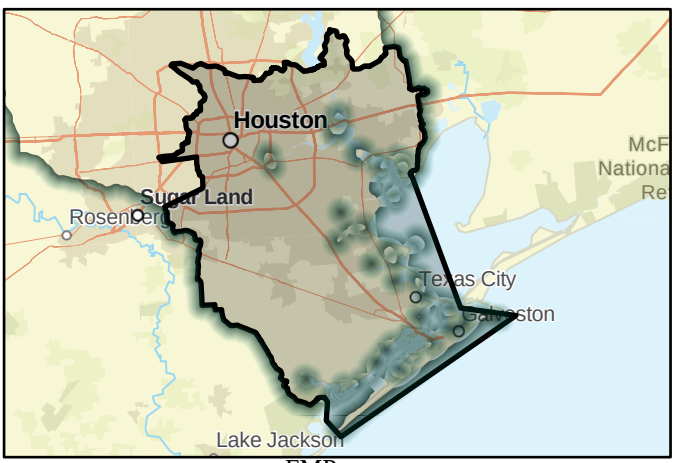
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 212,705 | Structures removed | 75,954 | Critical facilities removed | 1,275 |
| Emergency facilities removed | 699 | Farm/ranch removed | 25,339.25 | Roadways removed (miles) | 1,114.84 |
| Low water crossing removed | 4 | | | Reduction in road closures over 10 years | 4 |
| Other benefits | Environmental, Public Uplift, Low Impact Development Features | | | Residential removed | 62,857 |

## Impacts

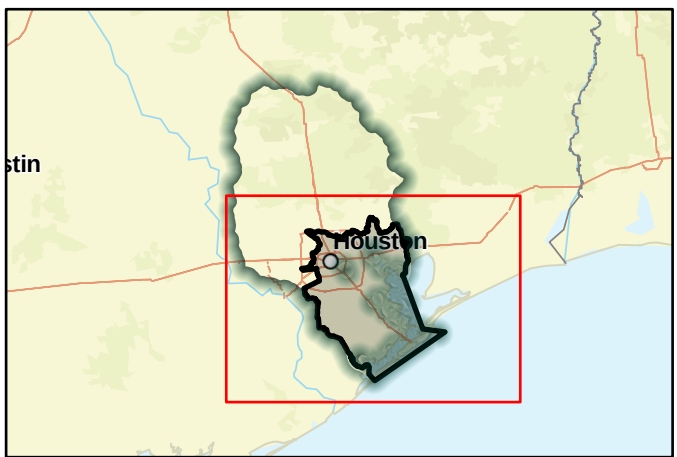
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $29,198,808,000 | % Nature-Based | 0% | Issues | Right-of-Way, Permitting, Acquisitions, Relocations, Environmental Concerns |
| Recurring costs | $1,751,928,500 | BCR | 1.91 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | City of Manvel City Ordinance |
| FMP ID | 06-52-0000000129 |
| Sponsor Entity ID | 06-01-0000002985 |
| Sponsor Name | Manvel (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

## FMP Details

| | |
|---|---|
| FMP Type | Preparedness |
| FMP Description | The city shall adopt a land use ordinance which requires any structure within the 100-year floodplain to be elevated 2 feet above base flood elevation. |
| County | Brazoria |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 27.5 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 4 | Residential at risk | 485 |
| Population at risk | 983 | Structures at risk | 634 | Critical facilities | 4 |
| Farm/Ranch land impacted (acres) | 4,011.1 | Roadway(s) impacted (length) | 24.11 | | |
| Number of low water crossings | 6 | Historical road closures | 6 | | |

## 100-Year Flood Risk Reduction

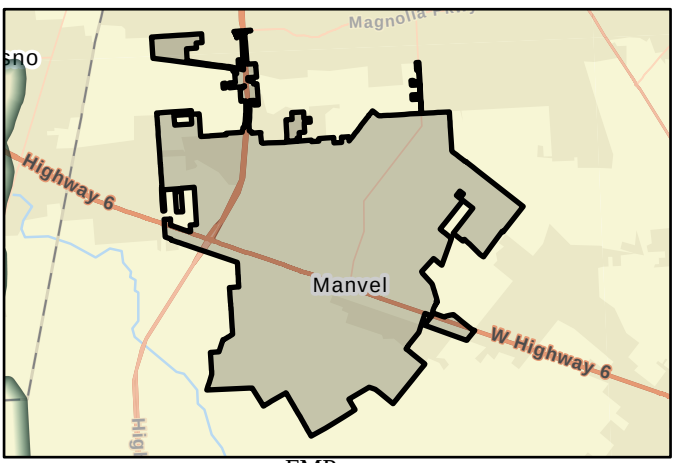
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $125,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $7,500 | BCR | 5 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | City of Manvel Land-Use Ordinance Adoption |
| FMP ID | 06-52-0000000130 |
| Sponsor Entity ID | 06-01-0000002985 |
| Sponsor Name | Manvel (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Preparedness |
| FMP Description | The city shall adopt a land-use ordinance which prohibits building residential or commercial structures in the 100-year floodplain. |
| County | Brazoria |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 27.5 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 4 | Residential at risk | 485 |
| Population at risk | 983 | Structures at risk | 634 | Critical facilities | 4 |
| Farm/Ranch land impacted (acres) | 4,011.1 | Roadway(s) impacted (length) | 24.11 | | |
| Number of low water crossings | 6 | Historical road closures | 6 | | |

## 100-Year Flood Risk Reduction

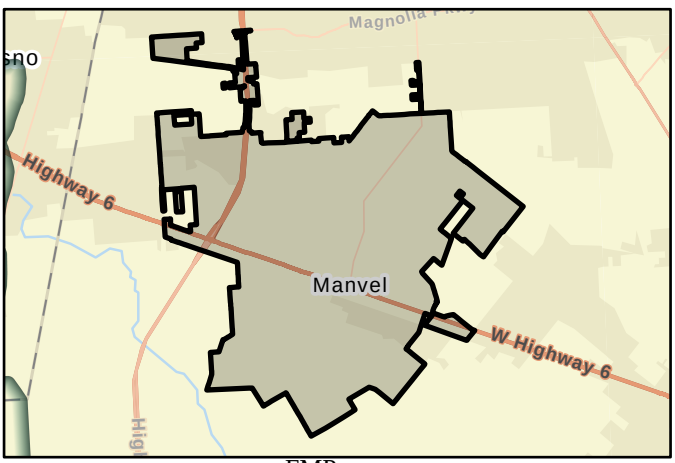
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $125,000 | % Nature-Based | 0% | Issues | Permitting, Relocations |
| Recurring costs | $7,500 | BCR | 5 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | City of Manvel GIS Database Improvements |
| FMP ID | 06-52-0000000132 |
| Sponsor Entity ID | 06-01-0000002985 |
| Sponsor Name | Manvel (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Preparedness |
| FMP Description | Improve GIS database to include repetitive loss properties areas and flooded structure data. Data to be used for future drainage infrastructure planning and to provide outreach and emergency services to residents in substantial risk zones. |
| County | Brazoria |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 27.5 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 4 | Residential at risk | 485 |
| Population at risk | 983 | Structures at risk | 634 | Critical facilities | 4 |
| Farm/Ranch land impacted (acres) | 4,011.1 | Roadway(s) impacted (length) | 24.11 | | |
| Number of low water crossings | 6 | Historical road closures | 6 | | |

## 100-Year Flood Risk Reduction

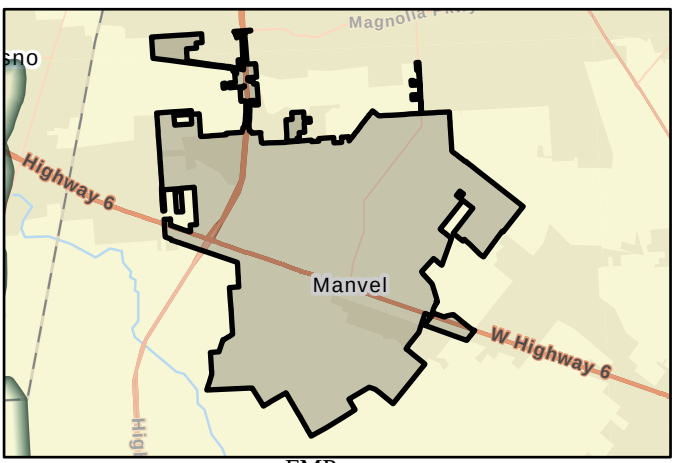
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $25,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $1,500 | BCR | 0 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Brazoria County NFIP Technical Material |
| FMP ID | 06-52-0000000136 |
| Sponsor Entity ID | 00-01-0000000003 |
| Sponsor Name | Brazoria County (County) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Other |
| FMP Description | Place copies of FEMA Flood-related technical bulletins in County libraries. |
| County | Brazoria |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 1,486.24 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 153 | Residential at risk | 27,612 |
| Population at risk | 75,154 | Structures at risk | 33,594 | Critical facilities | 225 |
| Farm/Ranch land impacted (acres) | 64,116.73 | Roadway(s) impacted (length) | 591.8 | | |
| Number of low water crossings | 44 | Historical road closures | 44 | | |

## 100-Year Flood Risk Reduction

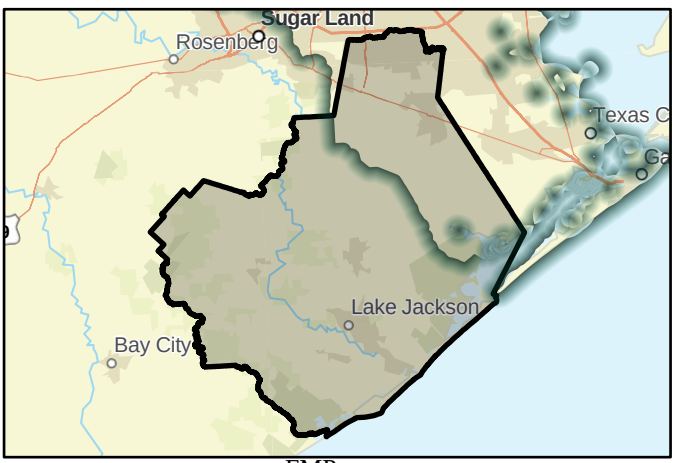
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | Public Education | | | Residential removed | 0 |

## Impacts

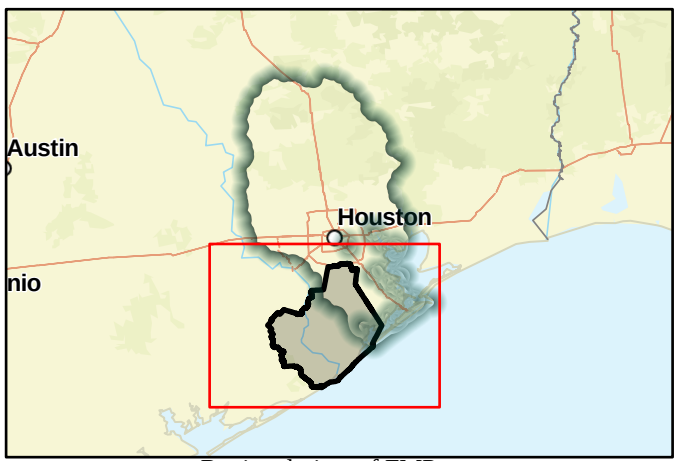
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $25,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $1,500 | BCR | 0 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | City of Clear Lake Shores - Implement Stormwater Management Practices |
| FMP ID | 06-52-0000000139 |
| Sponsor Entity ID | 06-01-0000002808 |
| Sponsor Name | Clear Lake Shores (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Preparedness |
| FMP Description | The Stormwater management plan is focused on six minimum measures regarding what is being done to prevent stormwater pollution. Annual reporting and renewals are required to ensure compliance is met. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.71 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 1 | Residential at risk | 512 |
| Population at risk | 1,210 | Structures at risk | 595 | Critical facilities | 1 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 8.48 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

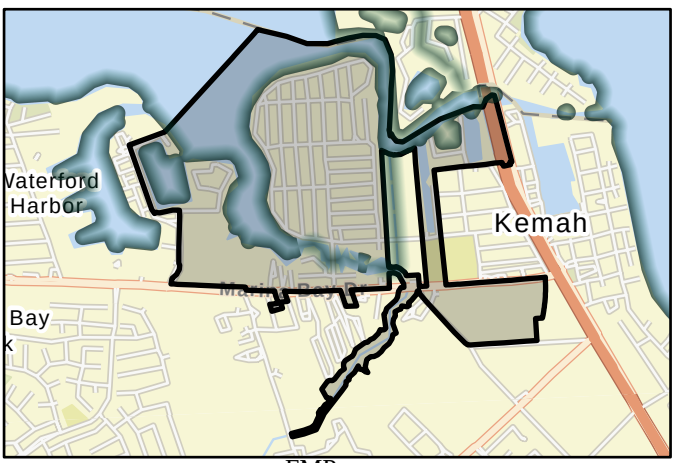
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | Environmental | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $132,000 | % Nature-Based | 0% | Issues | Right-of-Way, Permitting |
| Recurring costs | $7,900 | BCR | 0 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | City of Clear Lake Shores - Improve Regulations and Permit Requirements |
| FMP ID | 06-52-0000000140 |
| Sponsor Entity ID | 06-01-0000002808 |
| Sponsor Name | Clear Lake Shores (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

## FMP Details

| | |
|---|---|
| FMP Type | Preparedness |
| FMP Description | Update regulations and permit requirements. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.71 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 1 | Residential at risk | 512 |
| Population at risk | 1,210 | Structures at risk | 595 | Critical facilities | 1 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 8.48 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

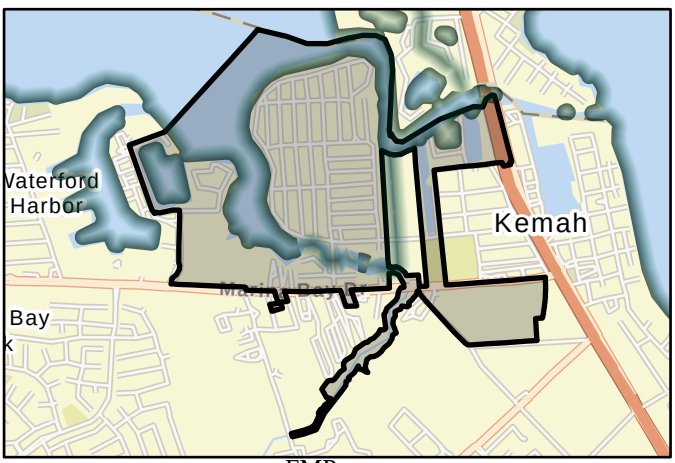
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $132,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $7,900 | BCR | 5 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | City of Hitchcock - Improve Regulations and Permit Requirements |
| FMP ID | 06-52-0000000142 |
| Sponsor Entity ID | 06-01-0000003145 |
| Sponsor Name | Hitchcock (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

## FMP Details

| | |
|---|---|
| FMP Type | Preparedness |
| FMP Description | Improve regulations and permit requirements to promote hazard mitigation strategies. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 91.49 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 9 | Residential at risk | 1,556 |
| Population at risk | 3,693 | Structures at risk | 1,861 | Critical facilities | 9 |
| Farm/Ranch land impacted (acres) | 5,747.06 | Roadway(s) impacted (length) | 29.7 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

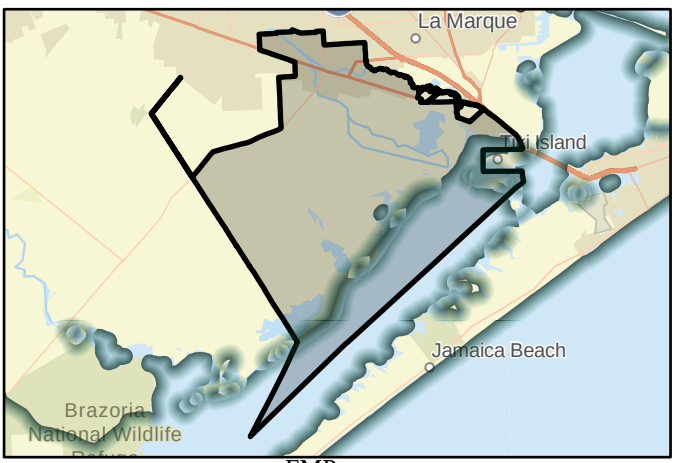
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

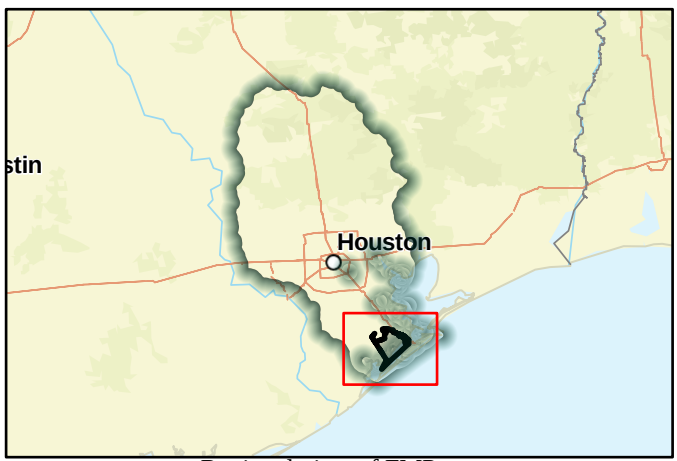
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $132,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $7,900 | BCR | 5 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | City of Jamaica Beach - Improve Regulations and Permit Requirements |
| FMP ID | 06-52-0000000143 |
| Sponsor Entity ID | 06-01-0000002810 |
| Sponsor Name | Jamaica Beach (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Preparedness |
| FMP Description | Improve regulations and permit requirements to promote hazard mitigation strategies. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.72 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 1 | Residential at risk | 1,235 |
| Population at risk | 273 | Structures at risk | 1,273 | Critical facilities | 3 |
| Farm/Ranch land impacted (acres) | 0.03 | Roadway(s) impacted (length) | 13.77 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

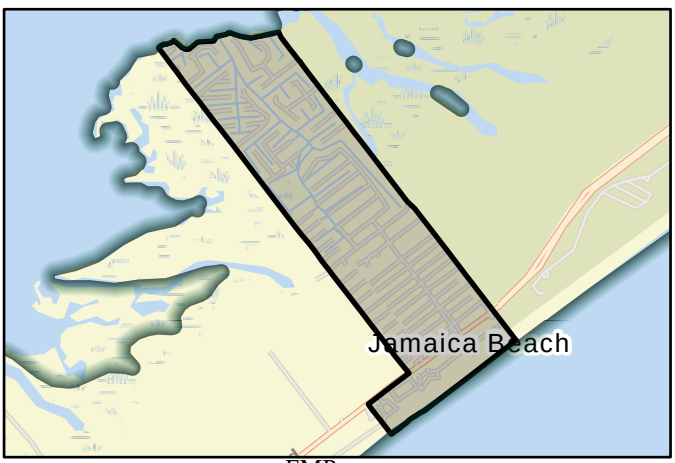
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $132,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $7,900 | BCR | 5 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | City of Kemah - Improve Regulations and Permit Requirements |
| FMP ID | 06-52-0000000144 |
| Sponsor Entity ID | 06-01-0000003396 |
| Sponsor Name | Kemah (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Preparedness |
| FMP Description | Improve regulations and permit requirements to promote hazard mitigation strategies. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 1.91 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 1 | Residential at risk | 475 |
| Population at risk | 2,935 | Structures at risk | 670 | Critical facilities | 2 |
| Farm/Ranch land impacted (acres) | 20.49 | Roadway(s) impacted (length) | 12.09 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

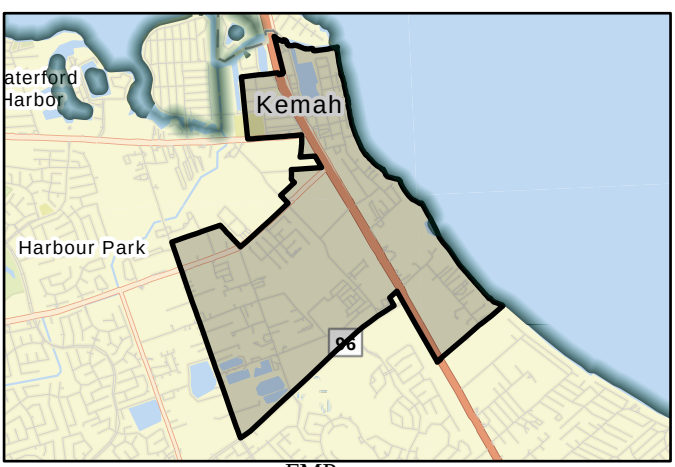
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

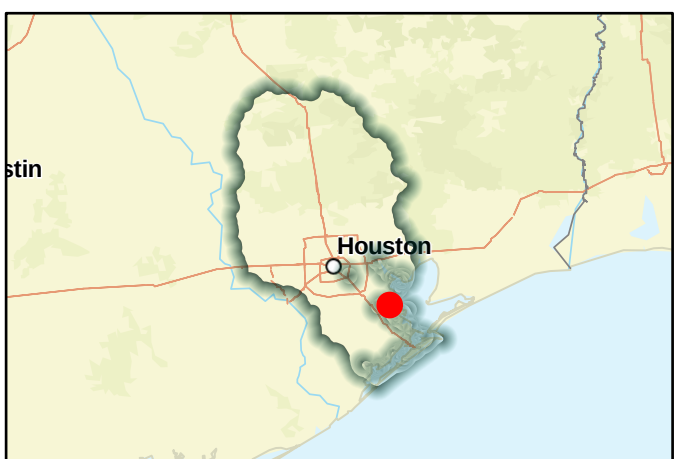
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $132,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $7,900 | BCR | 5 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | City of Kemah - Update Floodplain Ordinance |
| FMP ID | 06-52-0000000145 |
| Sponsor Entity ID | 06-01-0000003396 |
| Sponsor Name | Kemah (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

## FMP Details

| | |
|---|---|
| FMP Type | Preparedness |
| FMP Description | Update floodplain ordinance to ensure compliance with minimum standard of NFIP. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 1.91 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 1 | Residential at risk | 475 |
| Population at risk | 2,935 | Structures at risk | 670 | Critical facilities | 2 |
| Farm/Ranch land impacted (acres) | 20.49 | Roadway(s) impacted (length) | 12.09 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

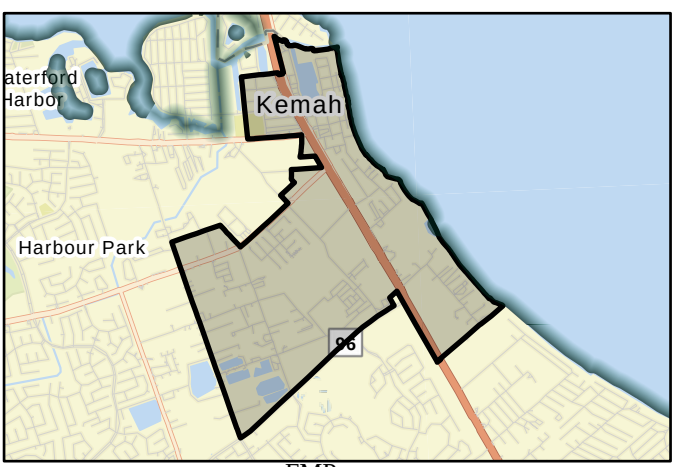
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

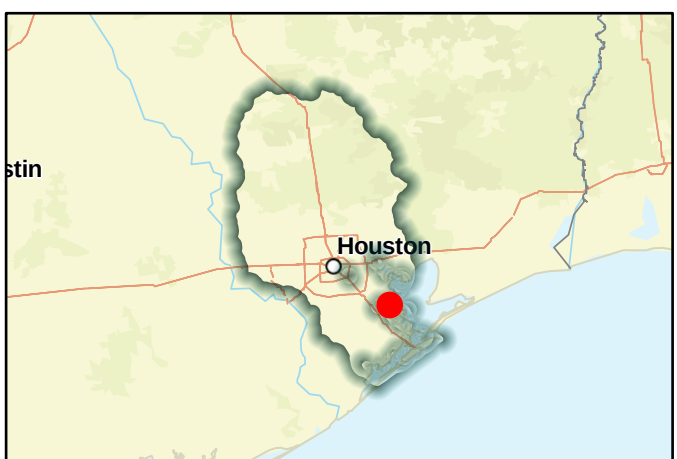
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $132,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $7,900 | BCR | 5 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | City of La Marque - Improve Regulations and Permit Requirements |
| FMP ID | 06-52-0000000146 |
| Sponsor Entity ID | 06-01-0000003146 |
| Sponsor Name | La Marque (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

## FMP Details

| | |
|---|---|
| FMP Type | Preparedness |
| FMP Description | Improve regulations and permit requirements to promote hazard mitigation strategies. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 14.28 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 23 | Residential at risk | 2,315 |
| Population at risk | 4,426 | Structures at risk | 2,718 | Critical facilities | 25 |
| Farm/Ranch land impacted (acres) | 811.02 | Roadway(s) impacted (length) | 65.67 | | |
| Number of low water crossings | 9 | Historical road closures | 9 | | |

## 100-Year Flood Risk Reduction

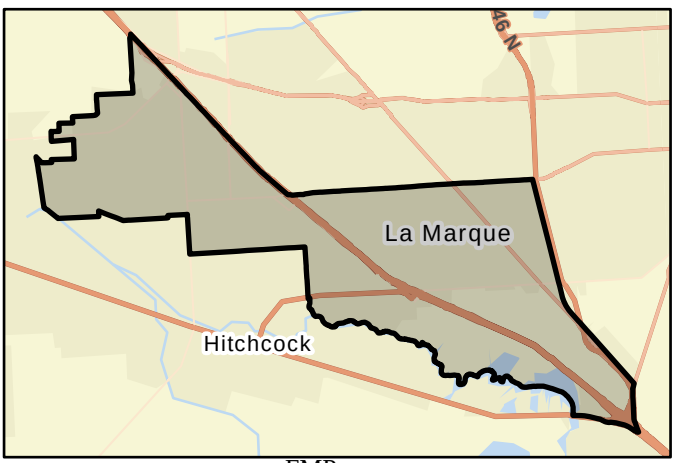
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $132,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $7,900 | BCR | 5 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | City of Tiki Island - Improve Regulations and Permit Requirements |
| FMP ID | 06-52-0000000148 |
| Sponsor Entity ID | 06-01-0000003397 |
| Sponsor Name | Tiki Island (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

## FMP Details

| | |
|---|---|
| FMP Type | Preparedness |
| FMP Description | Update and/or develop regulations and permits to address hazards prone to the area and include any changes in future development area. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 1.59 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 3 | Residential at risk | 921 |
| Population at risk | 1,579 | Structures at risk | 935 | Critical facilities | 3 |
| Farm/Ranch land impacted (acres) | 1.8 | Roadway(s) impacted (length) | 8.53 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

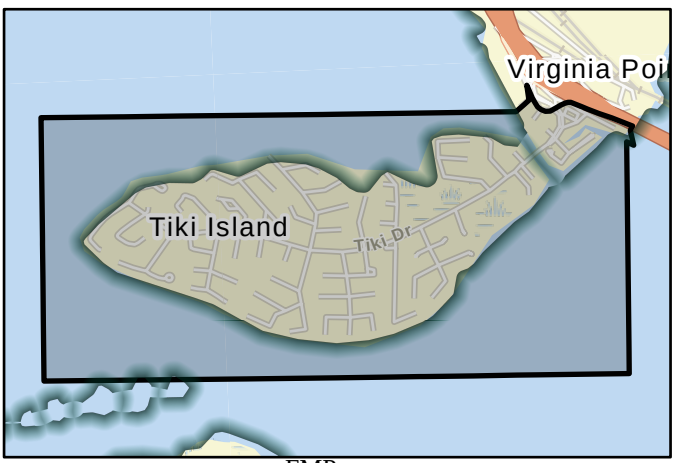
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $132,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $7,900 | BCR | 5 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | City of Santa Fe - Improve Regulations and Permit Requirements |
| FMP ID | 06-52-0000000149 |
| Sponsor Entity ID | 06-01-0000003149 |
| Sponsor Name | Santa Fe (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Preparedness |
| FMP Description | Update and/or develop regulations and permits to address hazards prone to the area and include any changes in future development area. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | 06-53-0000000070 |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 17.09 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 8 | Residential at risk | 1,888 |
| Population at risk | 3,353 | Structures at risk | 2,282 | Critical facilities | 13 |
| Farm/Ranch land impacted (acres) | 1,195.09 | Roadway(s) impacted (length) | 26.47 | | |
| Number of low water crossings | 5 | Historical road closures | 5 | | |

## 100-Year Flood Risk Reduction

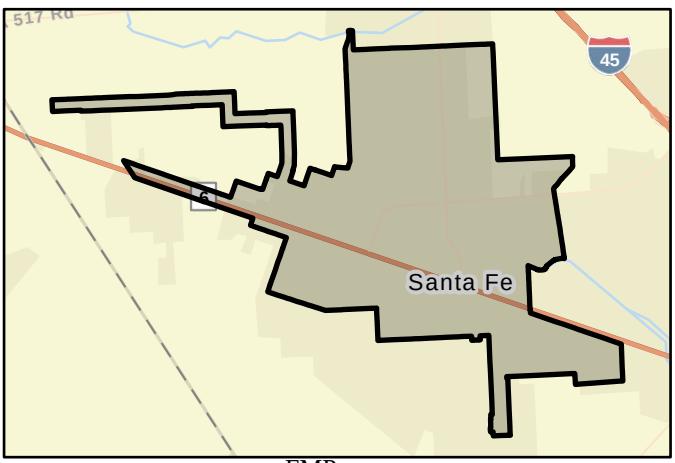
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $132,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $7,900 | BCR | 5 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | City of Galveston Land Use Mapping |
| FMP ID | 06-52-0000000152 |
| Sponsor Entity ID | 06-01-0000002809 |
| Sponsor Name | Galveston (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Preparedness |
| FMP Description | Develop proposed land use mapping to allow easier consideration of hazards. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | 06-53-0000000073 |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 211.72 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 178 | Residential at risk | 19,884 |
| Population at risk | 65,500 | Structures at risk | 22,641 | Critical facilities | 204 |
| Farm/Ranch land impacted (acres) | 1,080.58 | Roadway(s) impacted (length) | 398.09 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

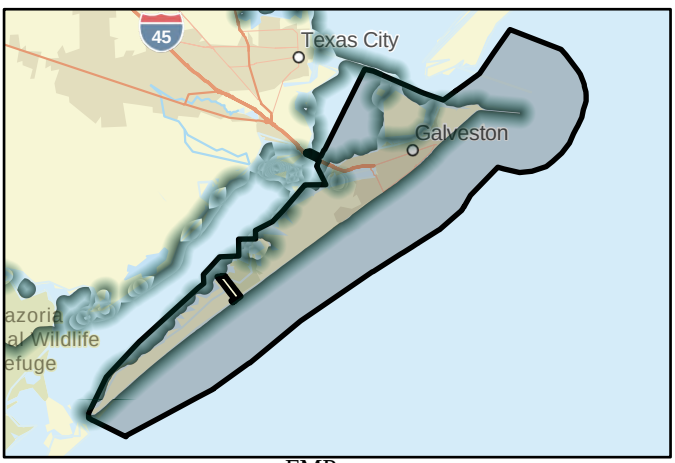
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $13,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $800 | BCR | 0 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | City of Galveston Freeboard Requirement Enforcement |
| FMP ID | 06-52-0000000153 |
| Sponsor Entity ID | 06-01-0000002809 |
| Sponsor Name | Galveston (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

## FMP Details

| | |
|---|---|
| FMP Type | Preparedness |
| FMP Description | Consider adoption and enforcement of freeboard requirement into City's Flood Damage Prevention Ordinance. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 211.72 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 178 | Residential at risk | 19,884 |
| Population at risk | 65,500 | Structures at risk | 22,641 | Critical facilities | 204 |
| Farm/Ranch land impacted (acres) | 1,080.58 | Roadway(s) impacted (length) | 398.09 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

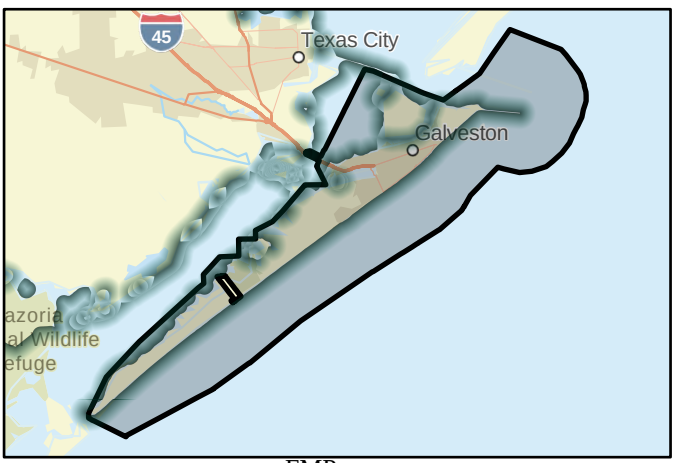
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $121,000 | % Nature-Based | 0% | Issues | Right-of-Way, Permitting |
| Recurring costs | $7,300 | BCR | 5 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Greens CDBG MIT Application Projects, including the following local drainage improvements: Castlewood, Fountainview, Humble Rd Place, North |
| FMP ID | 06-52-0000000167 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | Projects submitted as part of the CDBG MIT grant in Greens Bayou including Projects: Fountainview Sec 1&2, Castlewood Sec 3&4, North Forest, Mid-Reach Greens, Parkland Estates, and Humble Road Place. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 38.05 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 65 | Residential at risk | 5,856 |
| Population at risk | 60,875 | Structures at risk | 7,719 | Critical facilities | 83 |
| Farm/Ranch land impacted (acres) | 601.33 | Roadway(s) impacted (length) | 139.46 | | |
| Number of low water crossings | 32 | Historical road closures | 32 | | |

## 100-Year Flood Risk Reduction

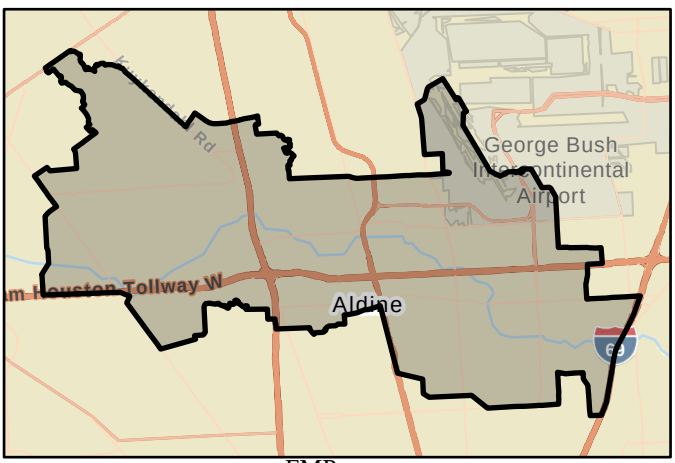
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 26,222 | Structures removed | 4,767 | Critical facilities removed | 57 |
| Emergency facilities removed | 49 | Farm/ranch removed | 50.82 | Roadways removed (miles) | 62.62 |
| Low water crossing removed | 2 | | | Reduction in road closures over 10 years | 2 |
| Other benefits | Hike and Bike Trails to provide dual use for maintenance access and recreation along berms and | | | Residential removed | 3,873 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $145,690,000 | % Nature-Based | 0% | Issues | Right-of-Way, Permitting, Acquisitions, Utility Conflicts |
| Recurring costs | $8,741,400 | BCR | 2.13 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards |
| FMP ID | 06-52-0000000186 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

## FMP Details

| | |
|---|---|
| FMP Type | Channel |
| FMP Description | Project proposed to improve conveyance within the D111-00-00 channel between Bellaire and University Boulevards. The LOS of the channel is increased from a 10-year event to a 50-year event. Mitigation volume is provided in the Meyer SW Detention Basin. |
| County | Harris |
| Associated FME's | 06-51-0000000186 |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 2.08 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 4 | Residential at risk | 24 |
| Population at risk | 1,410 | Structures at risk | 33 | Critical facilities | 4 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 3.14 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

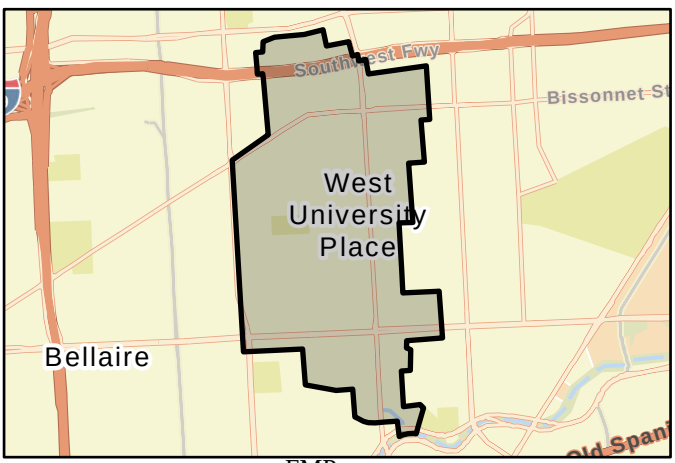
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 54 | Structures removed | 8 | Critical facilities removed | 2 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 3 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | None | | | Residential removed | 5 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $24,124,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $1,447,400 | BCR | 1.23 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | City of Alvin Unified Development Ordinance |
| FMP ID | 06-52-0000000201 |
| Sponsor Entity ID | 00-01-0000003020 |
| Sponsor Name | Alvin (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Preparedness |
| FMP Description | A unified land development code combines all land use controls into a single document with a logical structure that is user friendly. Cost is time, data and preparation of a unified land development code. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 25.17 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 5 | Residential at risk | 1,234 |
| Population at risk | 3,407 | Structures at risk | 1,916 | Critical facilities | 6 |
| Farm/Ranch land impacted (acres) | 1,940.61 | Roadway(s) impacted (length) | 40.63 | | |
| Number of low water crossings | 3 | Historical road closures | 3 | | |

## 100-Year Flood Risk Reduction

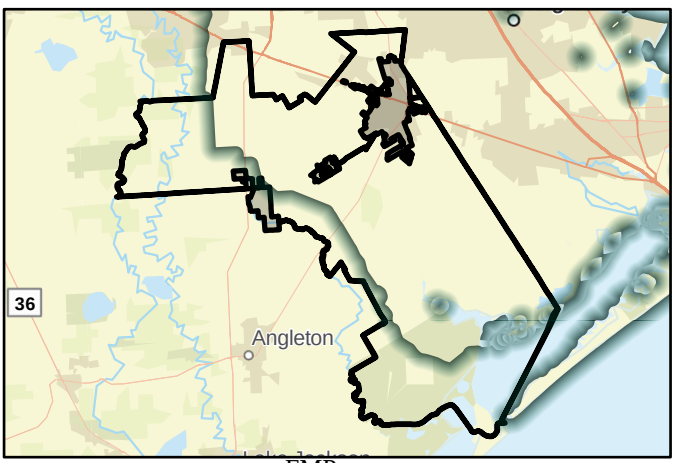
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

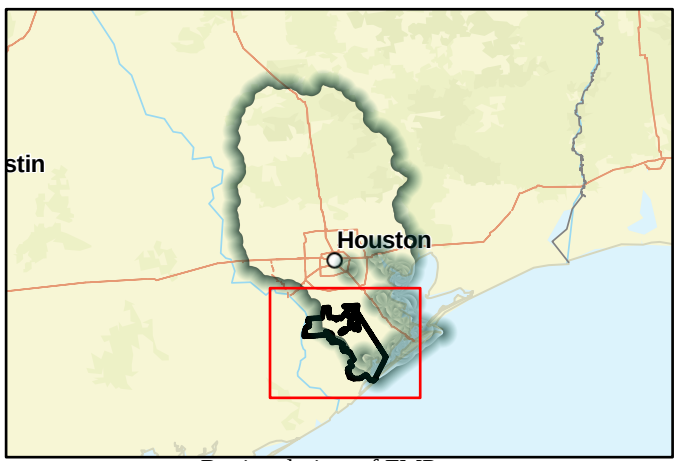
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $121,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $7,300 | BCR | 5 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | 37th Street Improvement Project |
| FMP ID | 06-52-0000000311 |
| Sponsor Entity ID | 06-01-0000002809 |
| Sponsor Name | Galveston (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | The project proposes storm sewer improvements coupled with implementing a stormwater pump station to addressing 100-year event flooding and improve access to major evacuation routes. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.35 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 3 | Residential at risk | 155 |
| Population at risk | 468 | Structures at risk | 196 | Critical facilities | 3 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 5.81 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

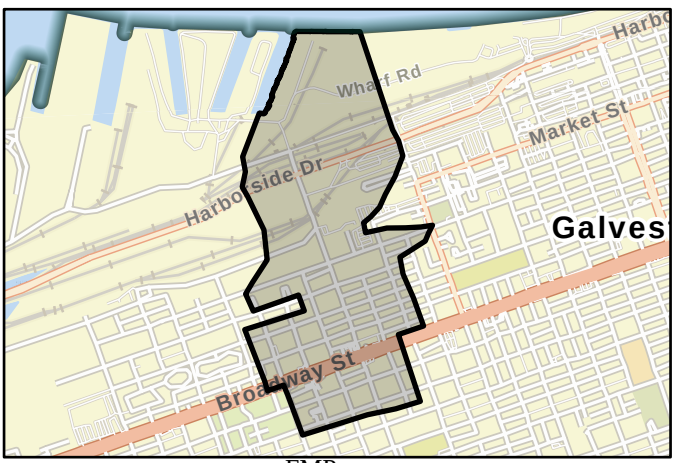
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 468 | Structures removed | 196 | Critical facilities removed | 3 |
| Emergency facilities removed | 3 | Farm/ranch removed | 0 | Roadways removed (miles) | 5 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | Improves accessibility of the Harborside evacuation route during pre-storm flood events. | | | Residential removed | 155 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $90,841,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $5,450,500 | BCR | 0.08 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38) |
| FMP ID | 06-52-0000000313 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | Design and Construction of Dinner Creek Stormwater Detention Basin (U520-01-00-E003). Project would expand the existing detention basin to ultimate conditions and incorporate both detention and retention. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 20.44 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 1 | Residential at risk | 290 |
| Population at risk | 1,377 | Structures at risk | 306 | Critical facilities | 1 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 8.14 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

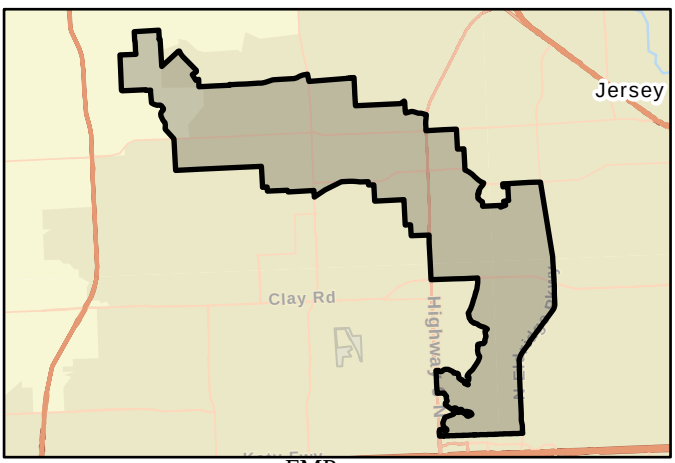
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 42 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 1 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | 67 acre-ft of retention volume, recreation | | | Residential removed | 43 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $40,068,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $2,404,100 | BCR | 0.04 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South |
| FMP ID | 06-52-0000000315 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | 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. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 13.25 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 31 | Residential at risk | 1,459 |
| Population at risk | 6,168 | Structures at risk | 1,526 | Critical facilities | 34 |
| Farm/Ranch land impacted (acres) | 73.48 | Roadway(s) impacted (length) | 37.06 | | |
| Number of low water crossings | 6 | Historical road closures | 6 | | |

## 100-Year Flood Risk Reduction

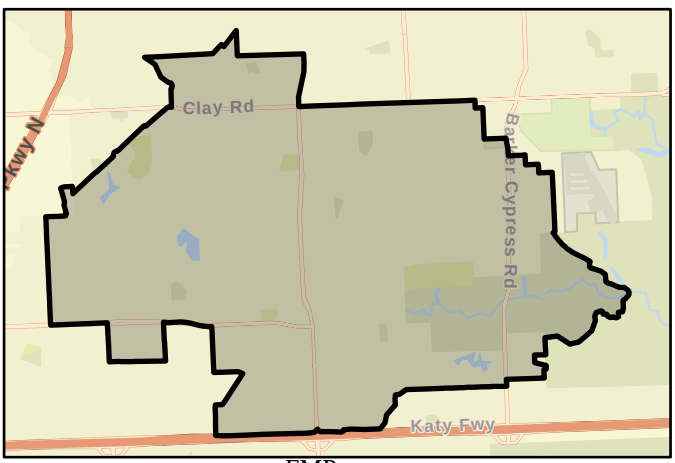
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 3,979 | Structures removed | 1,041 | Critical facilities removed | 10 |
| Emergency facilities removed | 9 | Farm/ranch removed | 0 | Roadways removed (miles) | 14.53 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 1,016 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $33,694,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $2,021,600 | BCR | 0.73 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07) |
| FMP ID | 06-52-0000000319 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | This project provides for design and construction of three offline detention basins in B509-03-00 and B509-04-00. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 59.11 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 3 | Residential at risk | 1,039 |
| Population at risk | 3,491 | Structures at risk | 1,328 | Critical facilities | 3 |
| Farm/Ranch land impacted (acres) | 466.81 | Roadway(s) impacted (length) | 30.62 | | |
| Number of low water crossings | 14 | Historical road closures | 14 | | |

## 100-Year Flood Risk Reduction

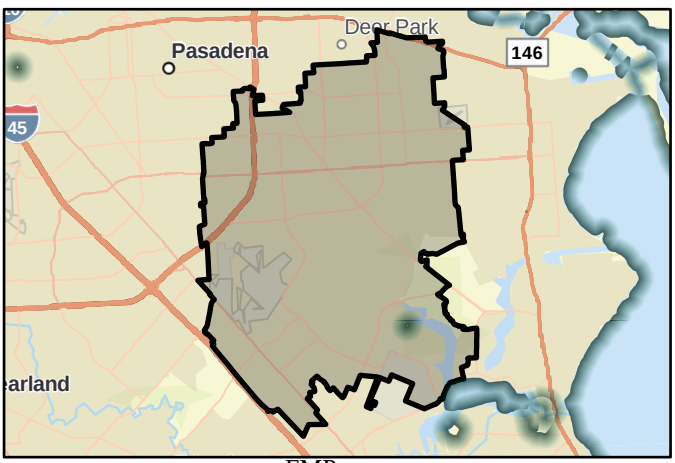
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 30 | Structures removed | 14 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 38.31 | Roadways removed (miles) | 1.38 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 8 |

## Impacts

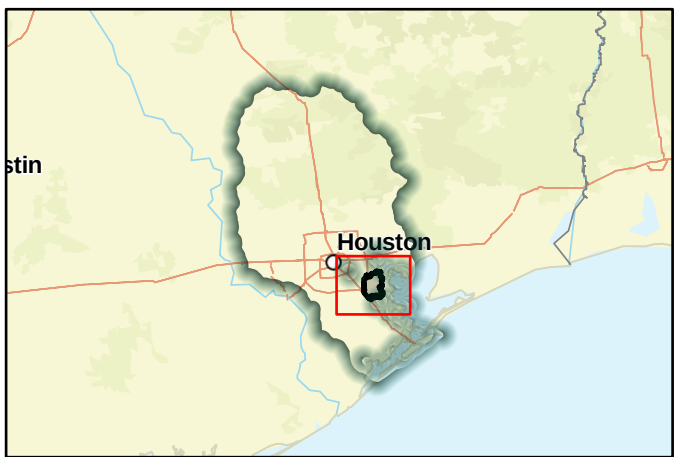
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $42,211,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $2,532,700 | BCR | 0.01 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | Warren Lake Embankment & Wetlands Restoration |
| FMP ID | 06-52-0000000320 |
| Sponsor Entity ID | 00-01-0000004002 |
| Sponsor Name | Coastal Prairie Conservancy (Other) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | The Coastal Prairie Conservancy (CPC) seeks funding to update the design and implementation of improvements to the Warren Lake embankment, along with tallgrass prairie restoration and wetland creation and enhancement of the surrounding land. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 20.5 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 47 |
| Population at risk | 94 | Structures at risk | 47 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 0 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

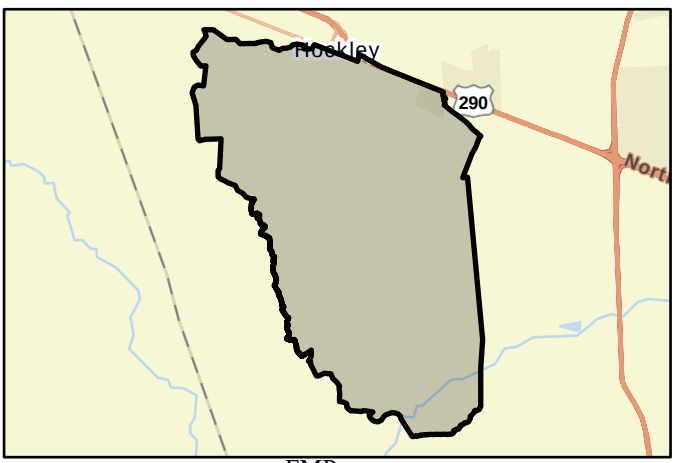
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 94 | Structures removed | 47 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | Restoring dam provides marsh vegetation | | | Residential removed | 47 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $15,000,000 | % Nature-Based | 100% | Issues | Permitting |
| Recurring costs | $900,000 | BCR | 4.45 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements |
| FMP ID | 06-52-0000000321 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | The proposed project includes the expansion and extension of existing detention basins to alleviate historical and potential future riverine flooding within the Armand Bayou Watershed. |
| County | Harris |
| Associated FME's | 06-51-0000000321 |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 5.35 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 1 | Residential at risk | 1,631 |
| Population at risk | 8,193 | Structures at risk | 2,038 | Critical facilities | 12 |
| Farm/Ranch land impacted (acres) | 6.92 | Roadway(s) impacted (length) | 30.14 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

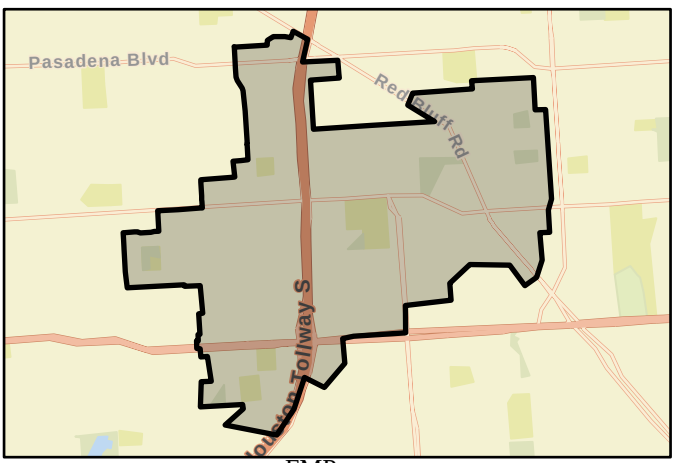
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 394 | Structures removed | 168 | Critical facilities removed | 1 |
| Emergency facilities removed | 1 | Farm/ranch removed | 0 | Roadways removed (miles) | 1.9 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 137 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $11,446,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $686,800 | BCR | 0.81 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | Blalock Road Drainage Improvement Project |
| FMP ID | 06-52-0000000327 |
| Sponsor Entity ID | 06-01-0000002495 |
| Sponsor Name | Piney Point Village (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | The proposed drainage improvements project will replace an undersized drainage system on Blalock Road, tie into drainage improvements on South Piney Point Road, and provide improvements on a drainage area that frequently experiences drainage issues. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.88 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 347 |
| Population at risk | 1,519 | Structures at risk | 364 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 6.02 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

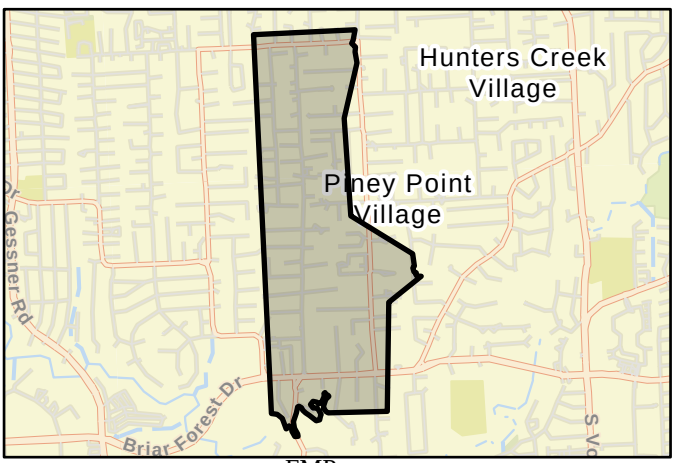
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 498 | Structures removed | 54 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 1 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 46 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $23,406,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $1,404,400 | BCR | 0 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction |
| FMP ID | 06-52-0000000328 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | The proposed project includes widening sections of the Keegans Bayou main channel and a 1,600 acre-feet detention basin. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 22.88 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 57 | Residential at risk | 3,331 |
| Population at risk | 20,045 | Structures at risk | 3,717 | Critical facilities | 57 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 94.91 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

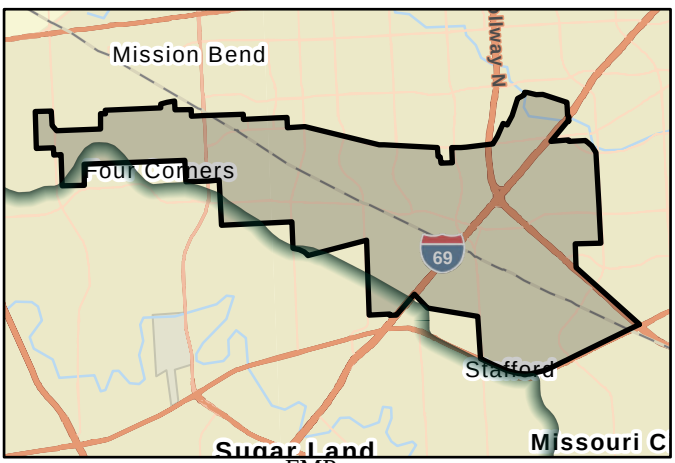
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 16,486 | Structures removed | 2,009 | Critical facilities removed | 29 |
| Emergency facilities removed | 29 | Farm/ranch removed | 0 | Roadways removed (miles) | 150 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 1,785 |

## Impacts

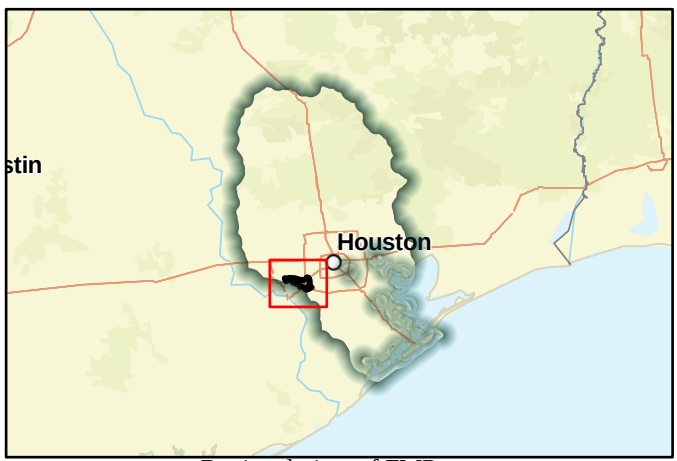
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $230,395,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $13,823,700 | BCR | 0.94 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Goose Creek Flood Risk Reduction |
| FMP ID | 06-52-0000000334 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | The project includes three phases of development. Phase 1 includes a regional detention basin and channel improvements along two segments of Goose Creek for a total length of 1.65 miles. Phase 2 includes a regional detention basin and channel improvements |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 27.03 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 39 | Residential at risk | 1,851 |
| Population at risk | 5,941 | Structures at risk | 2,199 | Critical facilities | 45 |
| Farm/Ranch land impacted (acres) | 1,072.5 | Roadway(s) impacted (length) | 32.98 | | |
| Number of low water crossings | 10 | Historical road closures | 10 | | |

## 100-Year Flood Risk Reduction

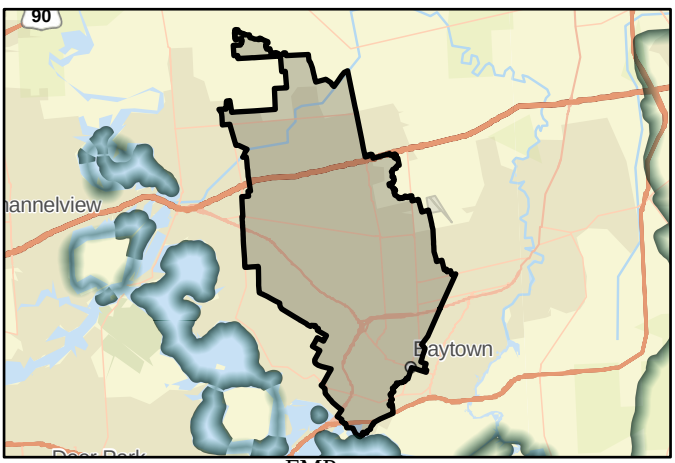
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 434 | Structures removed | 170 | Critical facilities removed | 3 |
| Emergency facilities removed | 3 | Farm/ranch removed | 84.77 | Roadways removed (miles) | 4.88 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 152 |

## Impacts

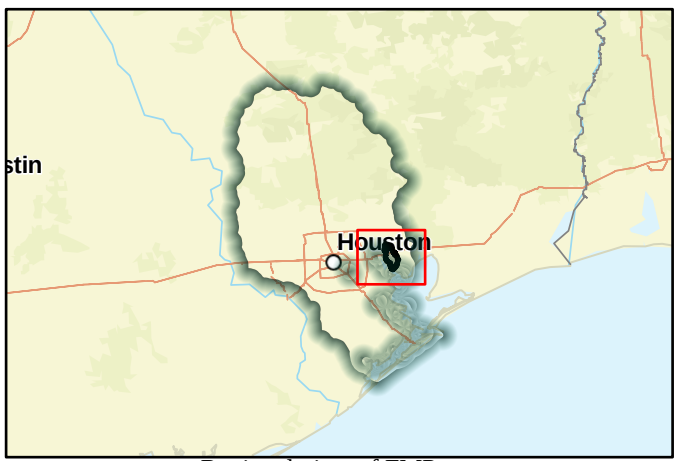
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $56,314,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $3,378,800 | BCR | 0.48 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Willow Creek Watershed Plan - M120 Detention/Preservation Site |
| FMP ID | 06-52-0000000339 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | The project includes a 1,640 acre-feet regional detention basin, 85 acres of floodplain preservation, & habitat preservation in Willow Creek. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 55.37 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 5 | Residential at risk | 640 |
| Population at risk | 2,230 | Structures at risk | 916 | Critical facilities | 5 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 26.99 | | |
| Number of low water crossings | 5 | Historical road closures | 5 | | |

## 100-Year Flood Risk Reduction

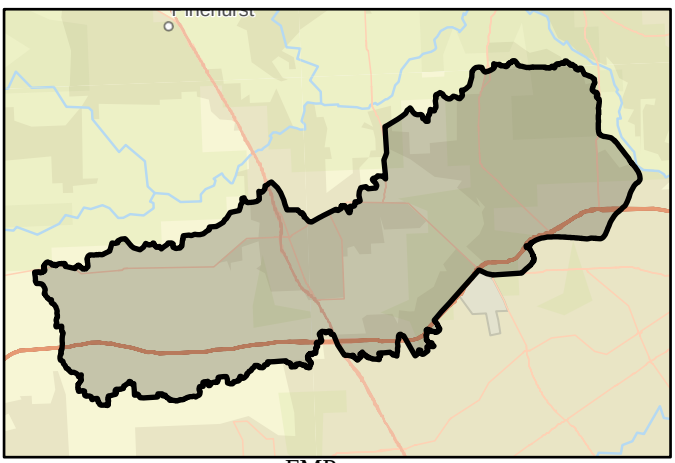
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 548 | Structures removed | 127 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 2 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | Environmental | | | Residential removed | 99 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $78,608,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $4,716,500 | BCR | 0.68 | | |



FMP area




Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin |
| FMP ID | 06-52-0000000344 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | This project includes a stormwater detention basin that compliments the federal project on White Oak Bayou. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 78.67 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 34 | Residential at risk | 8,438 |
| Population at risk | 34,882 | Structures at risk | 9,503 | Critical facilities | 41 |
| Farm/Ranch land impacted (acres) | 173.41 | Roadway(s) impacted (length) | 170.02 | | |
| Number of low water crossings | 33 | Historical road closures | 33 | | |

## 100-Year Flood Risk Reduction

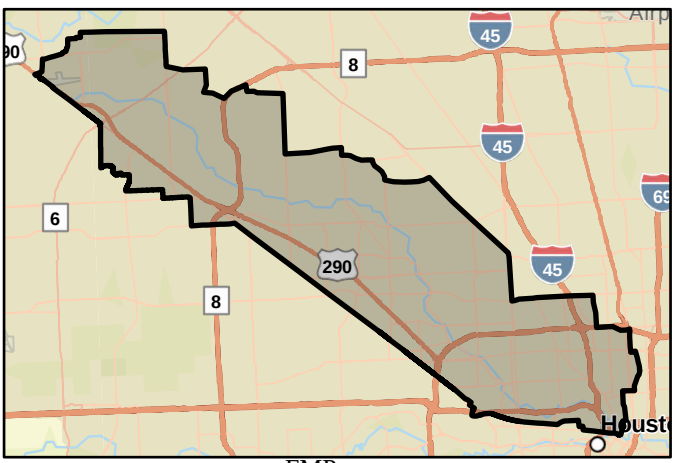
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 2,533 | Structures removed | 712 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 3.91 | Roadways removed (miles) | 7.39 |
| Low water crossing removed | 1 | | | Reduction in road closures over 10 years | 1 |
| Other benefits | - | | | Residential removed | 666 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $51,598,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $3,095,900 | BCR | 1.89 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20) |
| FMP ID | 06-52-0000000357 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | Program implementation plan for the design and construction of 22 regional detention basins (12,800 ac-ft) in the Cypress Creek watershed K100-00-00) based on the Cypress Creek Watershed and Major Tributaries Regional Drainage Plan Update(February 2020). |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 118.36 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 158 | Residential at risk | 14,960 |
| Population at risk | 49,086 | Structures at risk | 16,233 | Critical facilities | 158 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 264.03 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

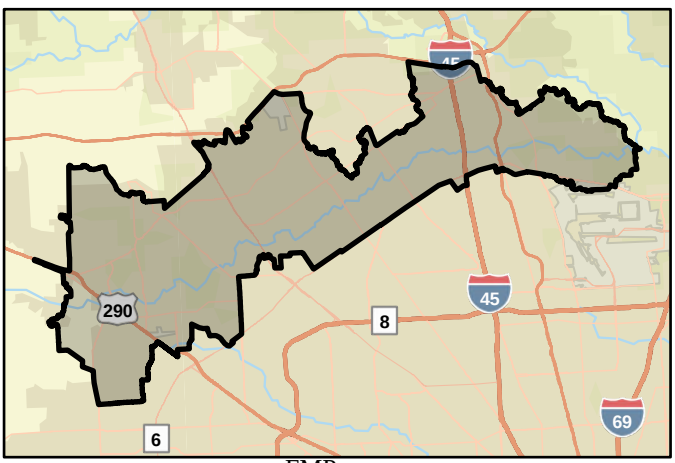
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 9,880 | Structures removed | 2,814 | Critical facilities removed | 18 |
| Emergency facilities removed | 18 | Farm/ranch removed | 0 | Roadways removed (miles) | 27 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 2,664 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $666,168,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $39,970,100 | BCR | 0.28 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Kingwood Diversion Ditch (G103-38-00) |
| FMP ID | 06-52-0000000360 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | Improvements to the Kingwood Diversion Ditch include channel modifications, flow diversion from Bens Branch, bridge replacements, as well as a new outfall to the West Fork San Jacinto River. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 21.77 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 52 |
| Population at risk | 3,414 | Structures at risk | 79 | Critical facilities | 18 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 1.92 | | |
| Number of low water crossings | 2 | Historical road closures | 2 | | |

## 100-Year Flood Risk Reduction

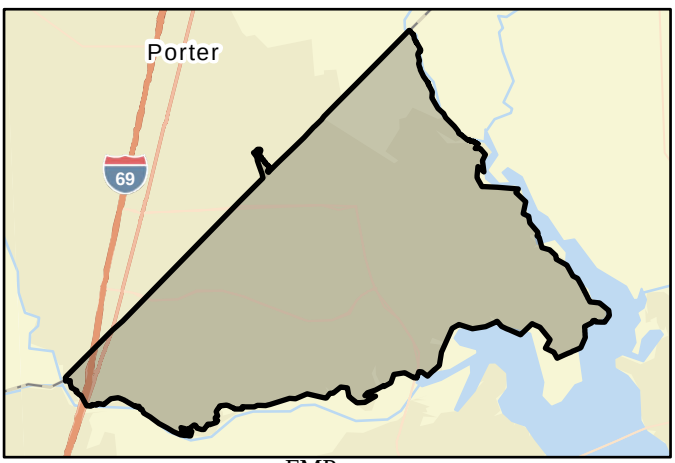
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 3,244 | Structures removed | 49 | Critical facilities removed | 10 |
| Emergency facilities removed | 10 | Farm/ranch removed | 0 | Roadways removed (miles) | 25 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 32 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $76,231,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $4,573,900 | BCR | 0.03 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02) |
| FMP ID | 06-52-0000000389 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | The proposed project includes channel improvements, upsizing of culverts, siltation removal, local drainage improvements, and a stormwater detention basin within White Oak Bayou Tributary E116-00-00. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 6.9 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 155 | Residential at risk | 13,403 |
| Population at risk | 36,556 | Structures at risk | 14,652 | Critical facilities | 155 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 140.05 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

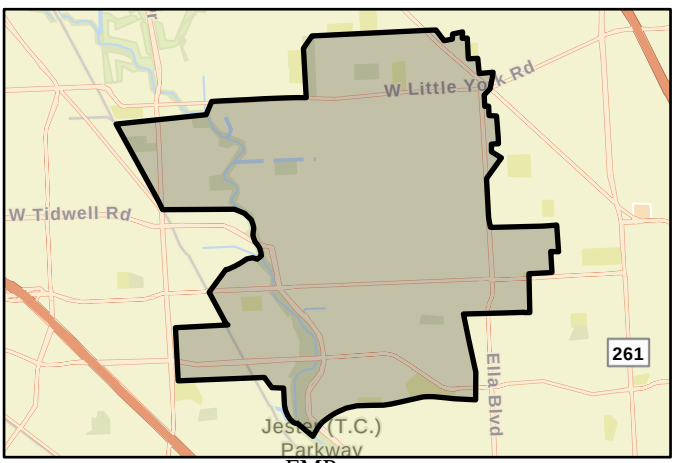
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 24 | Critical facilities removed | 1 |
| Emergency facilities removed | 1 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 15 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $10,144,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $608,600 | BCR | 1.47 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41) |
| FMP ID | 06-52-0000000396 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | This project provides for design and construction for the second phase of the Aldine Westfield North Detention Basin in the Halls Bayou watershed. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 1.16 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 2 | Residential at risk | 215 |
| Population at risk | 768 | Structures at risk | 303 | Critical facilities | 2 |
| Farm/Ranch land impacted (acres) | 9.05 | Roadway(s) impacted (length) | 2.07 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

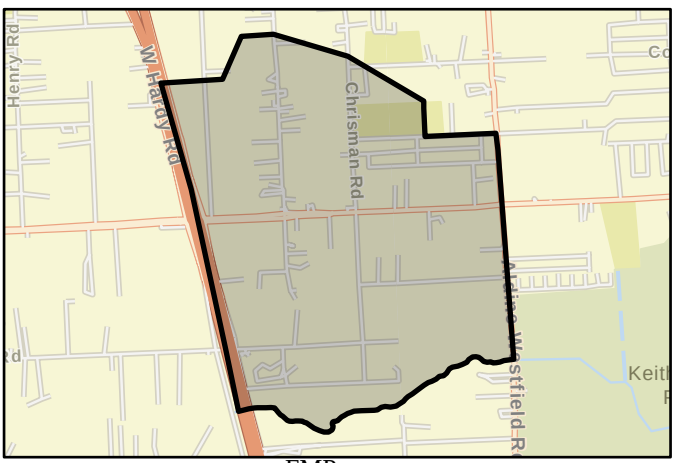
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 185 | Structures removed | 53 | Critical facilities removed | 1 |
| Emergency facilities removed | 1 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.29 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 19 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $12,562,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $753,700 | BCR | 0.24 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02 |
| FMP ID | 06-52-0000000397 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | This project provides for the design and construction of flood mitigation improvements including detention basins along P118-23-00 and concrete lining P118-23-02. (2018 Bond Project C-26 & C-27) |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 1.58 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 199 |
| Population at risk | 976 | Structures at risk | 240 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 2.67 | | |
| Number of low water crossings | 1 | Historical road closures | 1 | | |

## 100-Year Flood Risk Reduction

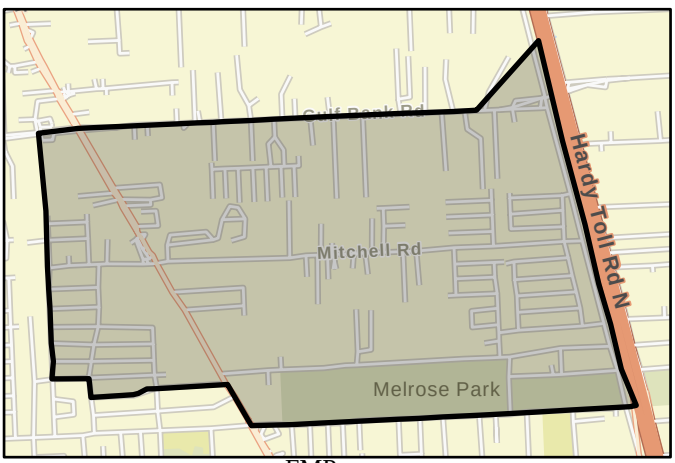
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 966 | Structures removed | 236 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 2.67 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 196 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $37,932,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $2,275,900 | BCR | 0.48 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01 |
| FMP ID | 06-52-0000000399 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | This project provides analysis and preliminary design (Alternative 3b) for detention basin, widening of existing channels, and extension of channel P118-25-01 (Halls Bayou Tributary). |
| County | Harris |
| Associated FME's | 06-51-0000000399 |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 6.03 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 1 | Residential at risk | 2,987 |
| Population at risk | 10,476 | Structures at risk | 4,018 | Critical facilities | 2 |
| Farm/Ranch land impacted (acres) | 7.89 | Roadway(s) impacted (length) | 37.54 | | |
| Number of low water crossings | 7 | Historical road closures | 7 | | |

## 100-Year Flood Risk Reduction

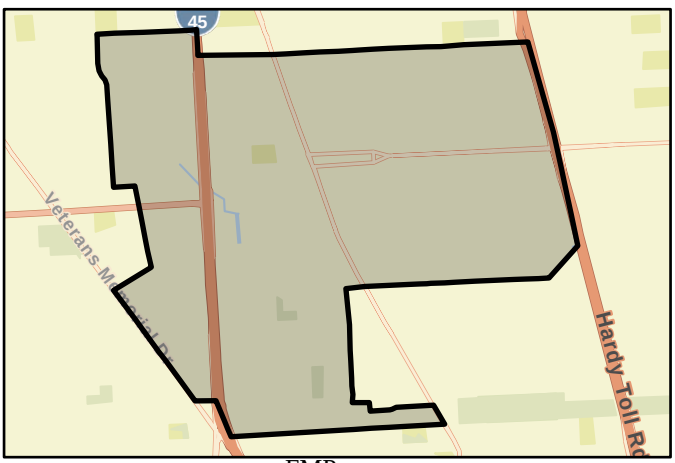
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 440 | Structures removed | 169 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0.04 | Roadways removed (miles) | 3.11 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 129 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $18,094,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $1,085,600 | BCR | 0.96 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00 |
| FMP ID | 06-52-0000000400 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | This project provides analysis and description of the existing flooding conditions within the P118-27-00 catchment area and consequently develops flood risk mitigation alternatives, including detention basis and channel improvements. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 7.8 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 2 | Residential at risk | 260 |
| Population at risk | 1,078 | Structures at risk | 306 | Critical facilities | 2 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 3.49 | | |
| Number of low water crossings | 8 | Historical road closures | 8 | | |

## 100-Year Flood Risk Reduction

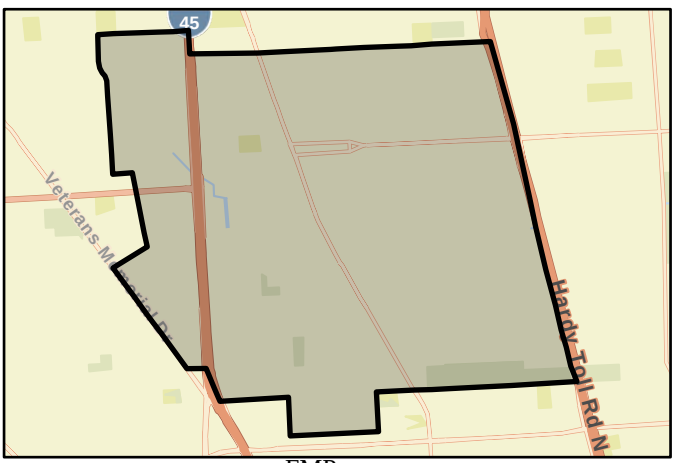
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 1,078 | Structures removed | 306 | Critical facilities removed | 2 |
| Emergency facilities removed | 2 | Farm/ranch removed | 0 | Roadways removed (miles) | 3.47 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 260 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $28,682,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $1,720,900 | BCR | 2.18 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124) |
| FMP ID | 06-52-0000000402 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | The proposed project includes the design and construction of approximately two miles of channel improvements along N100-00-00, channel improvements to a short segment of N109-00-00, and a detention basin to mitigate downstream impacts. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 66.38 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 34 | Residential at risk | 2,327 |
| Population at risk | 8,805 | Structures at risk | 2,569 | Critical facilities | 34 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 66.55 | | |
| Number of low water crossings | 2 | Historical road closures | 2 | | |

## 100-Year Flood Risk Reduction

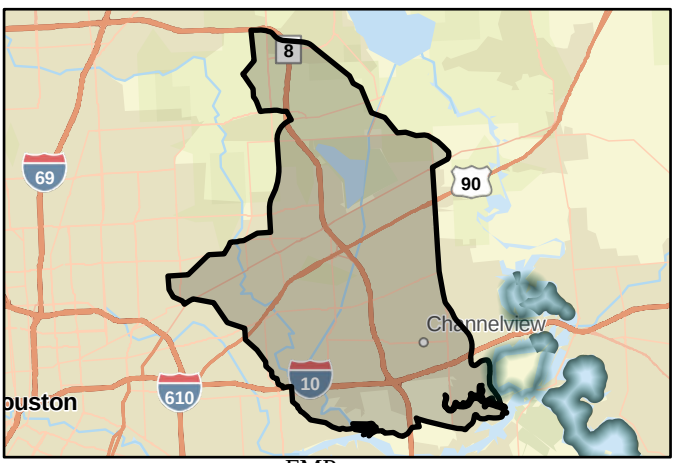
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 3,664 | Structures removed | 379 | Critical facilities removed | 8 |
| Emergency facilities removed | 8 | Farm/ranch removed | 0 | Roadways removed (miles) | 14 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 344 |

## Impacts

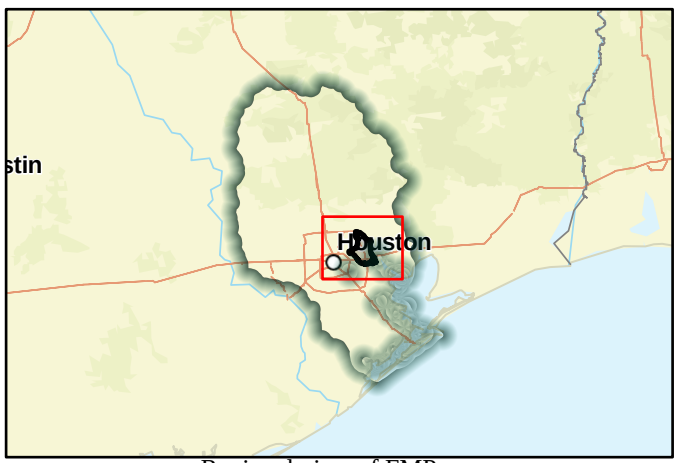
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $36,772,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $2,206,300 | BCR | 0.46 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Houston Fifth Area Flood Mitigation |
| FMP ID | 06-52-0000000417 |
| Sponsor Entity ID | 00-01-0000002853 |
| Sponsor Name | Houston (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | This unfunded CDBG-MIT application involves installing various storm sewer infrastructure in the Fifth Ward and Market Square areas within the City of Houston. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 40.59 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 19 | Residential at risk | 1,973 |
| Population at risk | 6,289 | Structures at risk | 2,162 | Critical facilities | 19 |
| Farm/Ranch land impacted (acres) | 0.01 | Roadway(s) impacted (length) | 35.54 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

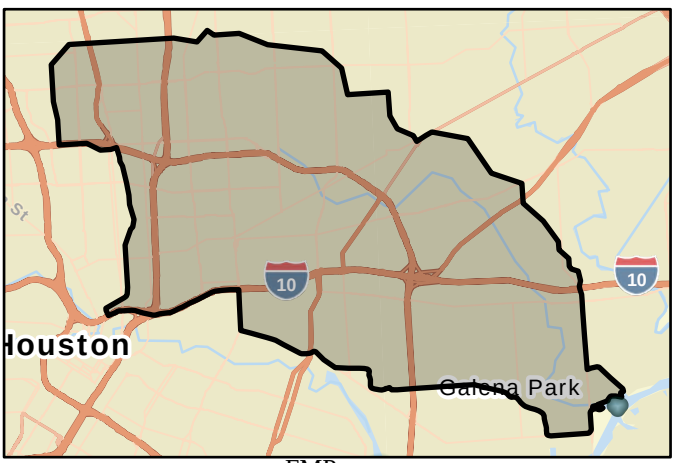
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 4,125 | Structures removed | 1,306 | Critical facilities removed | 16 |
| Emergency facilities removed | 16 | Farm/ranch removed | 0.01 | Roadways removed (miles) | 16 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 1,202 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $108,711,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $6,522,700 | BCR | 1.87 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Houston Port Area Flood Mitigation |
| FMP ID | 06-52-0000000418 |
| Sponsor Entity ID | 00-01-0000002853 |
| Sponsor Name | Houston (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | The project includes storm sewer improvements on nearly every street in the Pleasantville neighborhood to improve conveyance capacity and construction of a detention basin. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 40.74 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flood risk type: | Riverine? | No | Coastal? | No | Local? | Yes | Playa? | No | Other? | No |
| Known lives lost in study area | 0 | Emergency facilities at risk | 8 | Residential at risk | 894 |
| Population at risk | 3,478 | Structures at risk | 950 | Critical facilities | 14 |
| Farm/Ranch land impacted (acres) | 0.18 | Roadway(s) impacted (length) | 14.68 | | |
| Number of low water crossings | 30 | Historical road closures | 30 | | |

## 100-Year Flood Risk Reduction

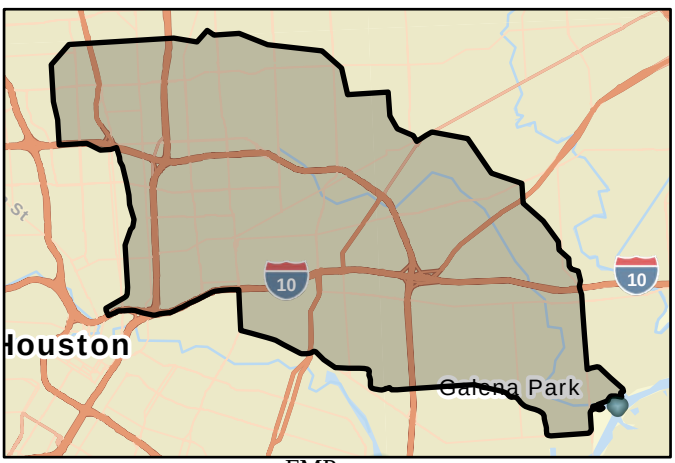
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 1,762 | Structures removed | 649 | Critical facilities removed | 6 |
| Emergency facilities removed | 5 | Farm/ranch removed | 0.18 | Roadways removed (miles) | 1.9 |
| Low water crossing removed | 0 | Reduction in road closures over 10 years | 0 | | |
| Other benefits | - | Residential removed | 627 | | |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $119,937,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $7,196,200 | BCR | 0.3 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Danubina Drainage Improvements |
| FMP ID | 06-52-0000000422 |
| Sponsor Entity ID | 00-01-0000003343 |
| Sponsor Name | Baytown (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | This CDBG-MIT application involves the installation and construction of improvements along Hull Gully, detention, and storm sewer improvements along Hunnicutt Street. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 47.53 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 118 |
| Population at risk | 428 | Structures at risk | 137 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 4.92 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

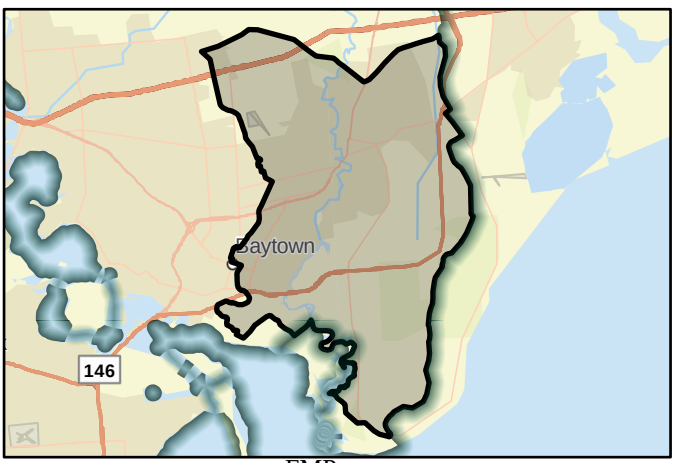
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 304 | Structures removed | 111 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 10 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 86 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $22,369,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $1,342,100 | BCR | 0.96 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | Bay Area Regional Flood Control Project |
| FMP ID | 06-52-0000000424 |
| Sponsor Entity ID | 06-01-0000002833 |
| Sponsor Name | Friendswood (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | This project, which includes terraces, detention, and a trail network, will reduce water surface elevations on Clear Creek within the City of Friendswood and will make the Blackhawk Wastewater Treatment Facility more resilient. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 20.9 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 1 | Residential at risk | 1,589 |
| Population at risk | 4,652 | Structures at risk | 1,674 | Critical facilities | 1 |
| Farm/Ranch land impacted (acres) | 449.29 | Roadway(s) impacted (length) | 55.6 | | |
| Number of low water crossings | 8 | Historical road closures | 8 | | |

## 100-Year Flood Risk Reduction

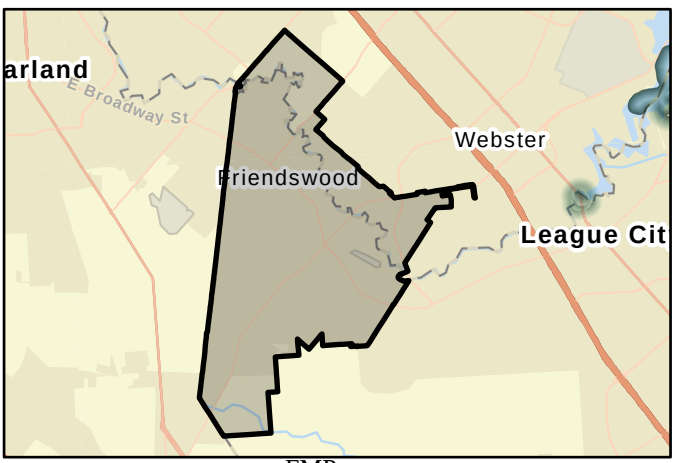
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 533 | Structures removed | 192 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 4.56 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | None | | | Residential removed | 184 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $79,698,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $4,781,900 | BCR | 0.21 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Houston Kashmere Gardens Area Flood Mitigation |
| FMP ID | 06-52-0000000434 |
| Sponsor Entity ID | 00-01-0000002853 |
| Sponsor Name | Houston (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | The project includes improvements to storm sewer, roadside ditch systems, culverts, sewer inlets, and the construction of detention basins. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 30.98 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 1,135 |
| Population at risk | 2,985 | Structures at risk | 1,221 | Critical facilities | 5 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 20.6 | | |
| Number of low water crossings | 30 | Historical road closures | 30 | | |

## 100-Year Flood Risk Reduction

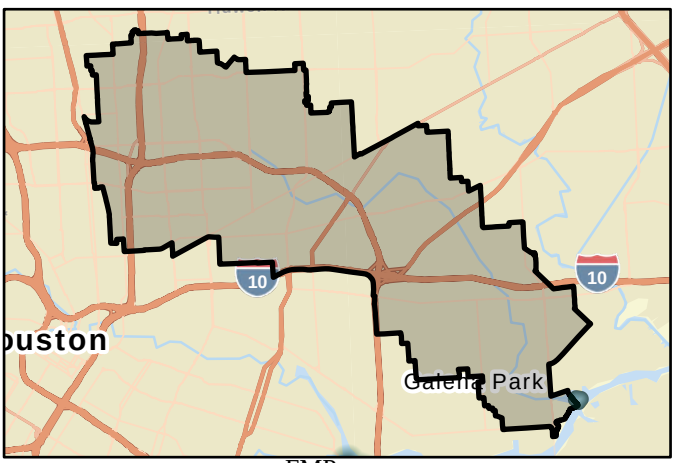
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 1,494 | Structures removed | 457 | Critical facilities removed | 1 |
| Emergency facilities removed | 1 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 370 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $114,920,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $6,895,200 | BCR | 1.09 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Rivershire West - Grand Lake Creek Watershed |
| FMP ID | 06-52-0000000453 |
| Sponsor Entity ID | 06-01-0000003030 |
| Sponsor Name | Conroe (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Channel |
| FMP Description | This project is located in a residential neighborhood and consists of benching, floodwalls, and upsizing culverts to route and contain flow. Additionally, there are proposed bridge modifications to reduce impediments to water flow |
| County | Montgomery |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 1.66 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 2 | Residential at risk | 195 |
| Population at risk | 827 | Structures at risk | 246 | Critical facilities | 2 |
| Farm/Ranch land impacted (acres) | 32.99 | Roadway(s) impacted (length) | 5.42 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

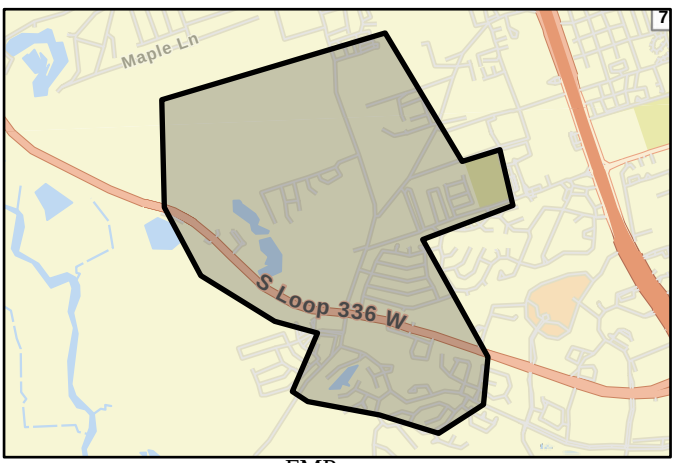
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 827 | Structures removed | 246 | Critical facilities removed | 2 |
| Emergency facilities removed | 2 | Farm/ranch removed | 26.24 | Roadways removed (miles) | 5.31 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 195 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $36,336,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $2,180,200 | BCR | 0.11 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Houston Sunnyside Area Flood Mitigation |
| FMP ID | 06-52-0000000468 |
| Sponsor Entity ID | 00-01-0000002853 |
| Sponsor Name | Houston (Municipality) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Includes new storm sewer trunk systems on major thoroughfares & new or improved neighborhood storm sewer systems. Will also require construction of detention basins to mitigate the proposed improvements. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 23.57 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 97 | Residential at risk | 7,293 |
| Population at risk | 22,844 | Structures at risk | 7,876 | Critical facilities | 97 |
| Farm/Ranch land impacted (acres) | 0.04 | Roadway(s) impacted (length) | 104.72 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

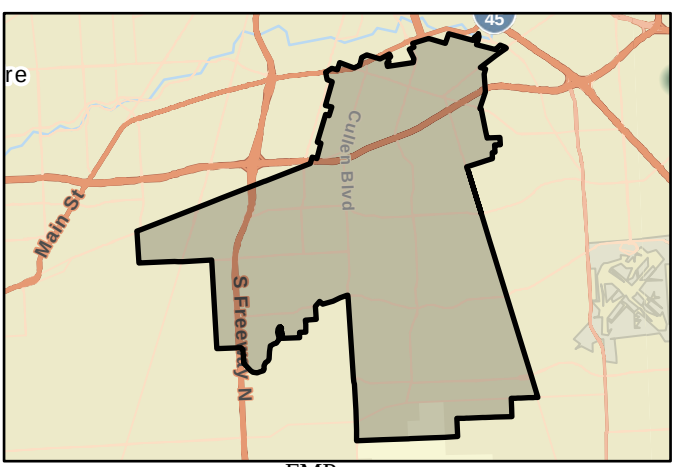
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 4,760 | Structures removed | 1,410 | Critical facilities removed | 20 |
| Emergency facilities removed | 20 | Farm/ranch removed | 0.04 | Roadways removed (miles) | 9 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 1,273 |

## Impacts

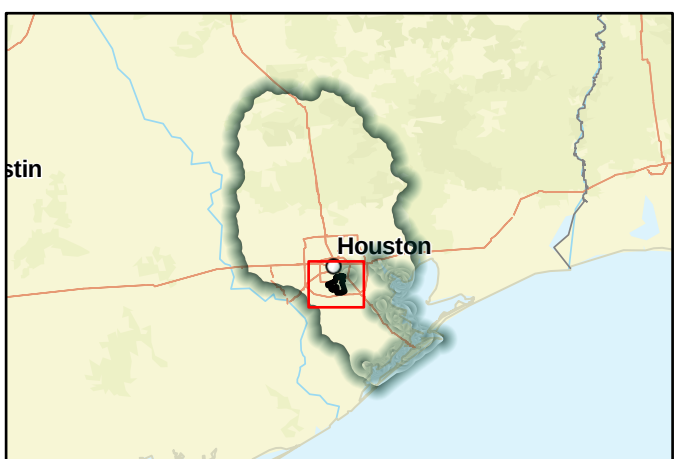
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $134,786,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $8,087,200 | BCR | 1.2 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | | | |
|---|---|---|---|
| Title | Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41) | | |
| FMP ID | 06-52-0000000469 | Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) | | |
| RFPG Recommended? | Yes | Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

## FMP Details

| | | | |
|---|---|---|---|
| FMP Type | Detention Pond | | |
| FMP Description | Project consists of ROW acquisition and construction of a detention basin near Veterans Memorial which provides approximately 460 acre-feet of storage. | | |
| County | Harris | Associated FME's | - |
| Associated FMS's | - | | |
| Emergency Need? | No | If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 5.51 | Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 14 | Residential at risk | 2,360 |
| Population at risk | 8,417 | Structures at risk | 2,739 | Critical facilities | 18 |
| Farm/Ranch land impacted (acres) | 138.09 | Roadway(s) impacted (length) | 25.19 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

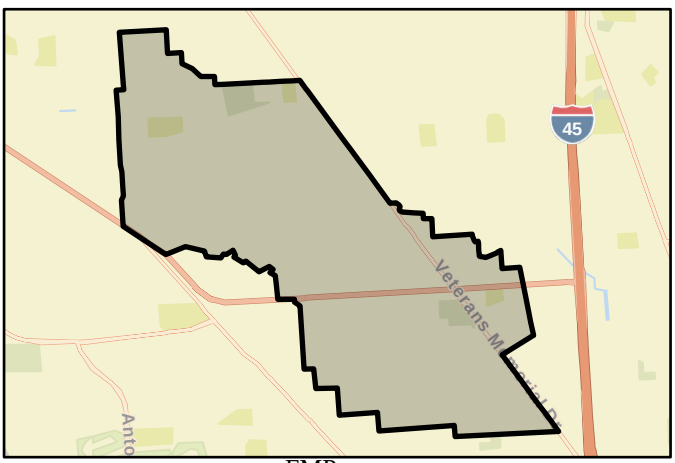
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 8,388 | Structures removed | 2,714 | Critical facilities removed | 12 |
| Emergency facilities removed | 11 | Farm/ranch removed | 95.49 | Roadways removed (miles) | 24.01 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 2,350 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $42,695,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $2,561,700 | BCR | 0.49 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Halls Bayou Drainage Project Bond C-01 |
| FMP ID | 06-52-0000000470 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | Provides for design and construction of drainage improvements to P118-26-00 including approximately 119 acre-feet of total storage between two basins and the replacement of a channel with RCBs. |
| County | Harris |
| Associated FME's | 06-51-0000000355 |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 1.18 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 569 |
| Population at risk | 1,593 | Structures at risk | 677 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 2.63 | | |
| Number of low water crossings | 3 | Historical road closures | 3 | | |

## 100-Year Flood Risk Reduction

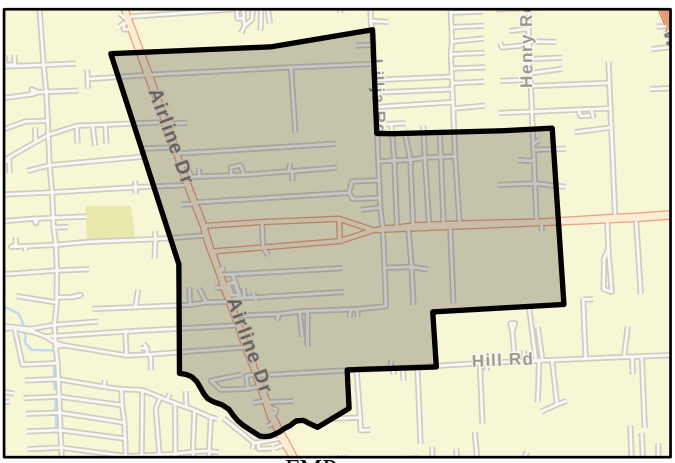
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 677 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 3 |
| Low water crossing removed | 1 | | | Reduction in road closures over 10 years | 1 |
| Other benefits | - | | | Residential removed | 568 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $27,114,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $1,626,800 | BCR | 2.32 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41) |
| FMP ID | 06-52-0000000471 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | This project provides for design and construction of four detention basins providing approximately 602 ac-ft of storage in the Halls Bayou watershed. Includes a half mile of channel improvements to P118-00-00. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.14 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 1 | Residential at risk | 0 |
| Population at risk | 4 | Structures at risk | 2 | Critical facilities | 1 |
| Farm/Ranch land impacted (acres) | 7.85 | Roadway(s) impacted (length) | 0.53 | | |
| Number of low water crossings | 1 | Historical road closures | 1 | | |

## 100-Year Flood Risk Reduction

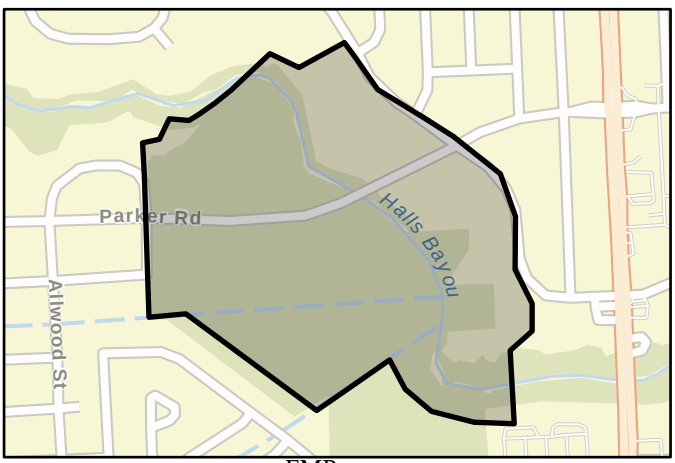
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 4 | Structures removed | 2 | Critical facilities removed | 1 |
| Emergency facilities removed | 1 | Farm/ranch removed | 5.01 | Roadways removed (miles) | 0.43 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $46,305,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $2,778,300 | BCR | 0.18 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project |
| FMP ID | 06-52-0000000472 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | This project includes the design and construction of three detention basins (226 ac-ft) along South Mayde Creek (U101-00-00). |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 44.83 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 31 | Residential at risk | 1,749 |
| Population at risk | 6,412 | Structures at risk | 1,867 | Critical facilities | 36 |
| Farm/Ranch land impacted (acres) | 1,391.51 | Roadway(s) impacted (length) | 51.41 | | |
| Number of low water crossings | 9 | Historical road closures | 9 | | |

## 100-Year Flood Risk Reduction

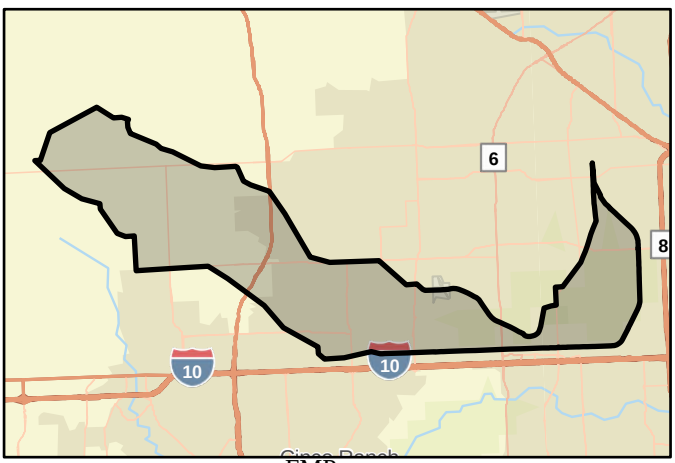
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 6,354 | Structures removed | 1,857 | Critical facilities removed | 36 |
| Emergency facilities removed | 31 | Farm/ranch removed | 1,391.51 | Roadways removed (miles) | 51.41 |
| Low water crossing removed | 7 | | | Reduction in road closures over 10 years | 7 |
| Other benefits | - | | | Residential removed | 1,739 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $13,856,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $831,400 | BCR | 0.18 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37) |
| FMP ID | 06-52-0000000473 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | This project includes three regional detention pond cells along Langham Creek within the Addicks Reservoir watershed to mitigate peak discharges expected with new development in the area. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.59 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 2 |
| Population at risk | 60 | Structures at risk | 5 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 31.56 | Roadway(s) impacted (length) | 0.99 | | |
| Number of low water crossings | 1 | Historical road closures | 1 | | |

## 100-Year Flood Risk Reduction

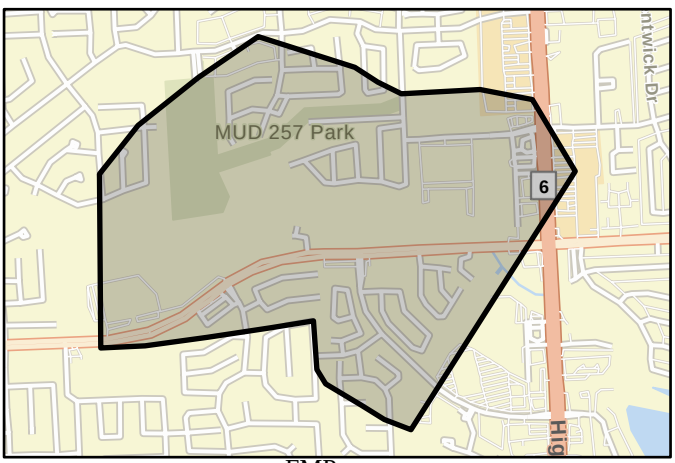
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 60 | Structures removed | 5 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.95 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 2 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $3,092,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $185,500 | BCR | 0.05 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02) |
| FMP ID | 06-52-0000000474 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | The proposed project includes channel improvements and inline detention from Cullen Boulevard to Pearland Parkway along with additional offline detention basins to mitigate for impacts from additional conveyance in the mainstem of Clear Creek. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 200.95 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 110 | Residential at risk | 15,713 |
| Population at risk | 56,086 | Structures at risk | 18,091 | Critical facilities | 128 |
| Farm/Ranch land impacted (acres) | 3,566.83 | Roadway(s) impacted (length) | 433.71 | | |
| Number of low water crossings | 64 | Historical road closures | 64 | | |

## 100-Year Flood Risk Reduction

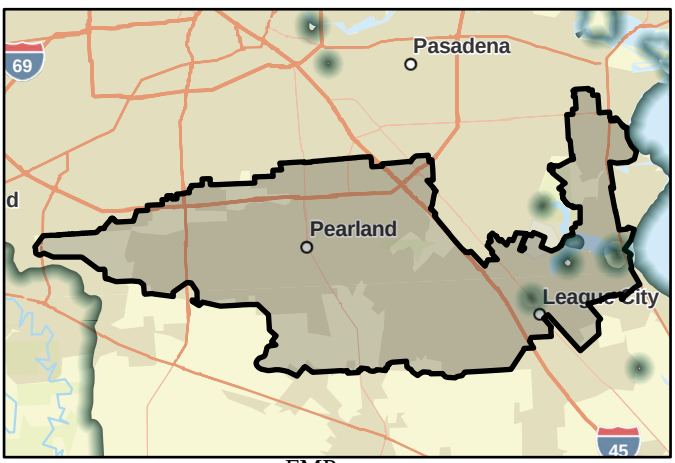
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 4,620 | Structures removed | 1,324 | Critical facilities removed | 6 |
| Emergency facilities removed | 6 | Farm/ranch removed | 175.42 | Roadways removed (miles) | 26.04 |
| Low water crossing removed | 1 | | | Reduction in road closures over 10 years | 1 |
| Other benefits | - | | | Residential removed | 1,176 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $357,633,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $21,458,000 | BCR | 0.54 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41) |
| FMP ID | 06-52-0000000475 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | This project provides for design and construction of a 311 ac-ft dry-bottom detention basin and 20-ft of channel improvements to P118-21-00. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 2.32 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 117 |
| Population at risk | 543 | Structures at risk | 193 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 6.69 | Roadway(s) impacted (length) | 2.07 | | |
| Number of low water crossings | 1 | Historical road closures | 1 | | |

## 100-Year Flood Risk Reduction

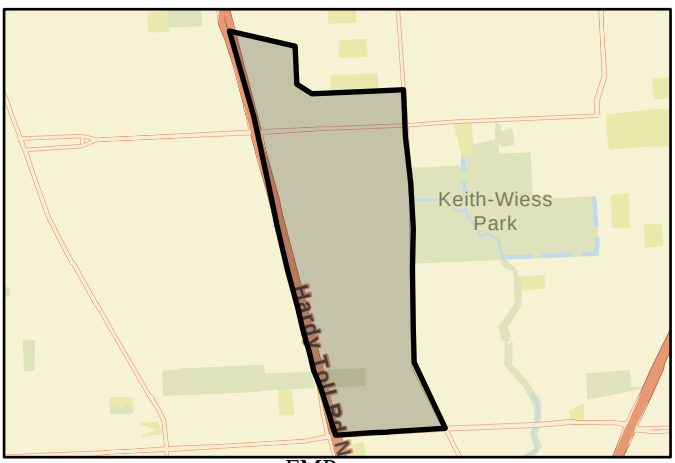
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 5 | Structures removed | 3 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.02 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 3 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $49,393,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $2,963,600 | BCR | 0.21 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects |
| FMP ID | 06-52-0000000476 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | Provides for design and construction of two detention basins in the Cypress Creek watershed, including a new 4,756 ac-ft detention basin and an expansion of an existing HCFCD detention basin along K500-01-00 from 531 ac-ft to 9,336 ac-ft of storage. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 274.06 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 17 | Residential at risk | 3,609 |
| Population at risk | 11,571 | Structures at risk | 4,137 | Critical facilities | 32 |
| Farm/Ranch land impacted (acres) | 1,001.47 | Roadway(s) impacted (length) | 100.93 | | |
| Number of low water crossings | 26 | Historical road closures | 26 | | |

## 100-Year Flood Risk Reduction

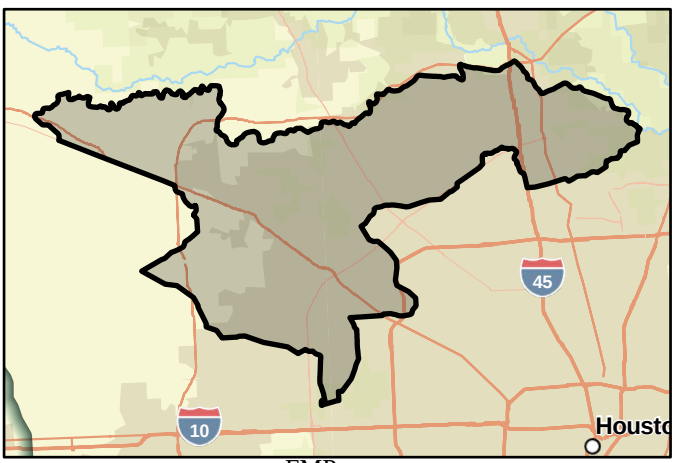
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 11,542 | Structures removed | 4,128 | Critical facilities removed | 32 |
| Emergency facilities removed | 17 | Farm/ranch removed | 1,001.47 | Roadways removed (miles) | 100.93 |
| Low water crossing removed | 4 | | | Reduction in road closures over 10 years | 4 |
| Other benefits | - | | | Residential removed | 3,601 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $418,269,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $25,096,100 | BCR | 0.39 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | P118-E006 (Hardy West) (2018 Bond Project C-41) |
| FMP ID | 06-52-0000000477 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Alignment with RFPG goals and TWDB guidance principles. |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | Proposal of the Hardy West Detention Basin (P118-00-00-E006). Project consists of 2 basins providing 400 acre-ft of detention volume adjacent to Halls Bayou and separated by P118-25-00. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 17.45 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 2,557 |
| Population at risk | 10,405 | Structures at risk | 3,691 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 11.6 | Roadway(s) impacted (length) | 24.01 | | |
| Number of low water crossings | 10 | Historical road closures | 10 | | |

## 100-Year Flood Risk Reduction

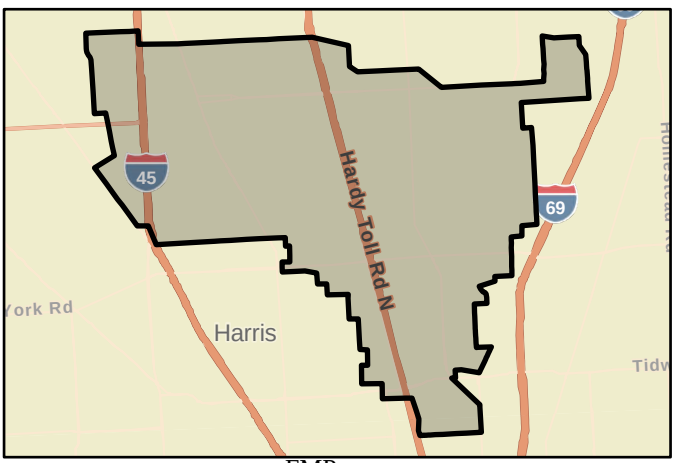
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 91 | Structures removed | 44 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 1.21 | Roadways removed (miles) | 1.59 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | Potential for recreational benefits | | | Residential removed | 24 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $38,823,000 | % Nature-Based | 0% | Issues | Permitting |
| Recurring costs | $2,329,400 | BCR | 0.38 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Kilgore Regional Detention Atlas 14 Upgrade |
| FMP ID | 06-52-0000000480 |
| Sponsor Entity ID | 00-01-0000000013 |
| Sponsor Name | Chambers County (County) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | Improve the existing system of the Kilgore Regional Detention project to confine flows from the Atlas-14 100-year event. Detention Ponds and channel improvements are included as part of the project's scope. |
| County | Chambers |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 1.6 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 0 |
| Population at risk | 1 | Structures at risk | 1 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 186.96 | Roadway(s) impacted (length) | 0.71 | | |
| Number of low water crossings | 1 | Historical road closures | 1 | | |

## 100-Year Flood Risk Reduction

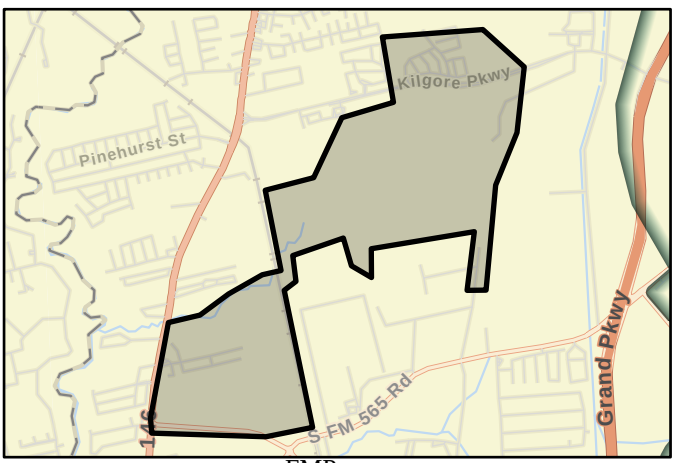
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 1 | Structures removed | 1 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 127.66 | Roadways removed (miles) | 0.66 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $190,459,000 | % Nature-Based | 0% | Issues | Utility Conflicts, section of Wetlands , Right-of-Way space |
| Recurring costs | $11,427,500 | BCR | 0.02 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Staples Drive Improvements |
| FMP ID | 06-52-0000000481 |
| Sponsor Entity ID | 00-01-0000000013 |
| Sponsor Name | Chambers County (County) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | Install a trunkline at Staples Drive for alleviating flooding in the neighborhood. Channel improvements are to be completed downstream of the trunkline along Horsepen Bayou to eliminate impacts. |
| County | Chambers |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.09 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 35 |
| Population at risk | 199 | Structures at risk | 136 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 13.77 | Roadway(s) impacted (length) | 0.33 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

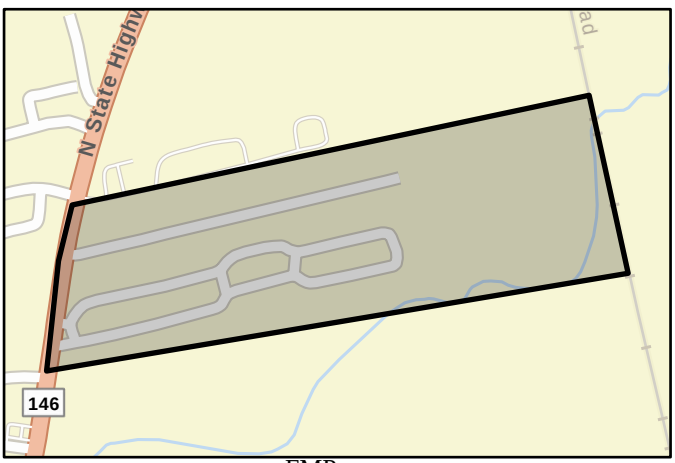
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 9 | Structures removed | 4 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 3.09 | Roadways removed (miles) | 0.01 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 2 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $5,908,000 | % Nature-Based | 0% | Issues | Utility Conflicts, section of Wetlands , Right-of-Way space |
| Recurring costs | $354,500 | BCR | 5.26 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Saw Pit Gully Crossing Improvements |
| FMP ID | 06-52-0000000482 |
| Sponsor Entity ID | 00-01-0000000013 |
| Sponsor Name | Chambers County (County) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Comprehensive |
| FMP Description | Upgrade the culvert crossing at FM 1405 as well as select crossings downstream along Saw Pit Gully. Channel improvements are to be completed alongside the upgrades to eliminate impacts. |
| County | Chambers |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 1.16 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 66 |
| Population at risk | 241 | Structures at risk | 88 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 73.21 | Roadway(s) impacted (length) | 1.25 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

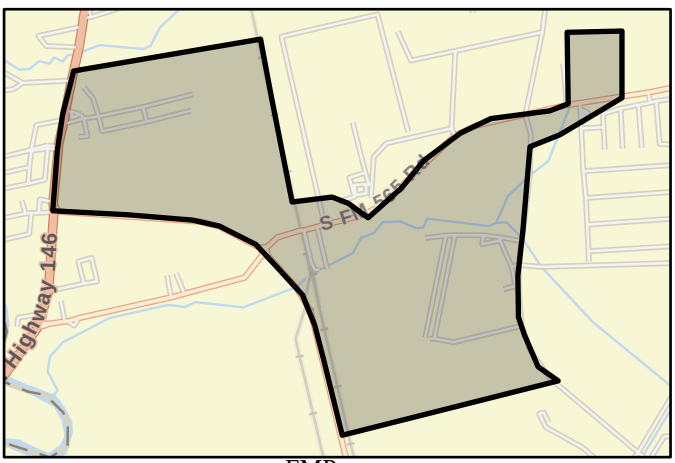
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 31 | Structures removed | 16 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 8.98 | Roadways removed (miles) | 0.11 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 14 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $13,207,000 | % Nature-Based | 0% | Issues | Overhead power lines, Right-of-way |
| Recurring costs | $792,400 | BCR | 0.37 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Smith Gully and Barbers Hill Ditch |
| FMP ID | 06-52-0000000483 |
| Sponsor Entity ID | 00-01-0000000013 |
| Sponsor Name | Chambers County (County) |
| RFPG Recommended? | Yes |
| Reason for Recommendation | Approved as part of 2nd Amendment in March 2025 by RFPG for alignment with RFPG |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Channel |
| FMP Description | Channel improvements for 100-year capacity in Smith Gully and Barbers Hill Ditch. |
| County | Chambers |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 68.99 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 143 | Residential at risk | 771 |
| Population at risk | 2,289 | Structures at risk | 1,501 | Critical facilities | 143 |
| Farm/Ranch land impacted (acres) | 12,312.24 | Roadway(s) impacted (length) | 20.45 | | |
| Number of low water crossings | 4 | Historical road closures | 4 | | |

## 100-Year Flood Risk Reduction

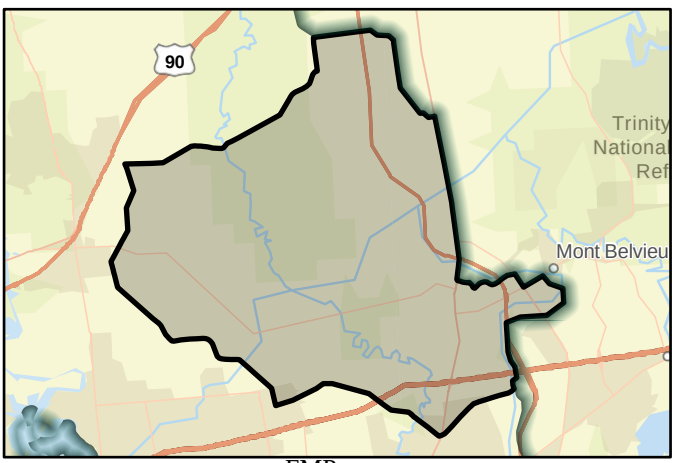
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 123 | Structures removed | 71 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 127.69 | Roadways removed (miles) | 1.53 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | - | | | Residential removed | 49 |

## Impacts

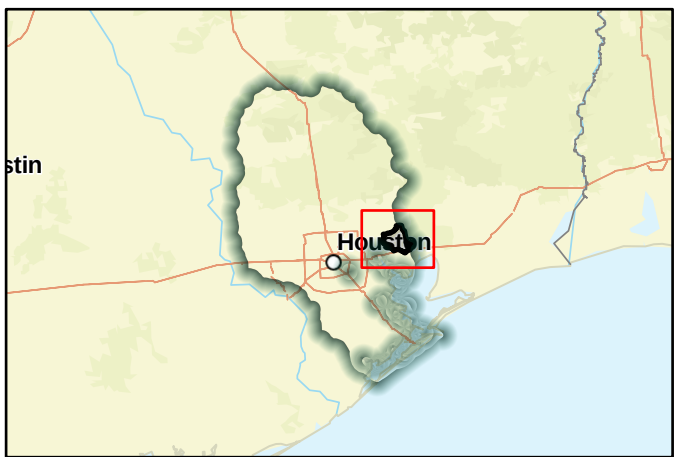
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $59,915,000 | % Nature-Based | 0% | Issues | Land aquisition, wetland areas, utility conflicts |
| Recurring costs | $3,594,900 | BCR | 0.05 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | D-133 Sharpstown |
| FMP ID | 06-52-0000000525 |
| Sponsor Entity ID | 00-01-0000002853 |
| Sponsor Name | Houston (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | Elevated through Task 4C during second cycle |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | This project provides for the right-of-way acquisition, design and construction of detention basins in the Sharpstown Area. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 8.54 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 0 |
| Population at risk | 0 | Structures at risk | 0 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 0 | | |
| Number of low water crossings | 7 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

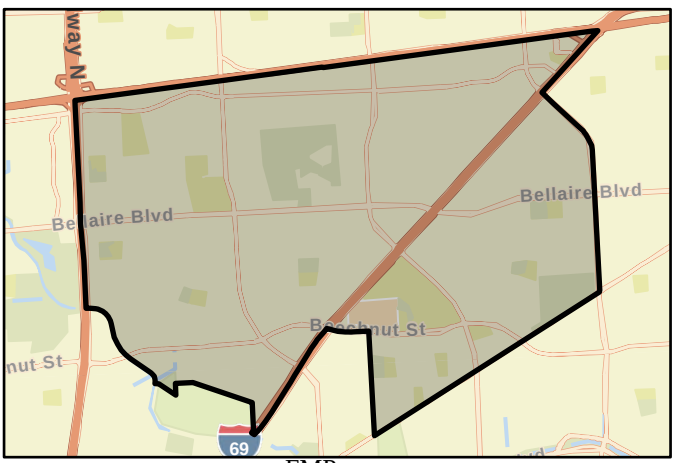
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $107,061,000 | % Nature-Based | 0% | Issues | Right-of-Way acquisition, permitting |
| Recurring costs | $6,423,700 | BCR | 0.4 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Brazoria County Camp Mohawk County Park Development |
| FMP ID | 06-52-0000000526 |
| Sponsor Entity ID | 00-01-0000000003 |
| Sponsor Name | Brazoria County (County) |
| RFPG Recommended? | - |
| Reason for Recommendation | Elevated to an FMP by sponsor during second cycle |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Property Acquisition |
| FMP Description | Purchase of approximately 160 acres of flood prone area adjacent to and surrounding Camp Mohawk County Park to be used as open space. |
| County | Brazoria |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.33 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 0 |
| Population at risk | 0 | Structures at risk | 0 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 0 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

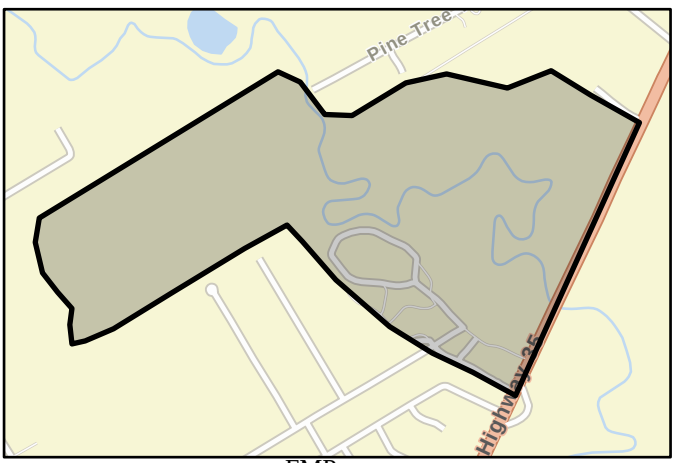
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $9,291,000 | % Nature-Based | 100% | Issues | Land acquisition, stakeholder coordination, environmental due diligence, long-term maintenance |
| Recurring costs | $557,460 | BCR | 0 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | 20th Street Pump Station & Sewer Upgrades |
| FMP ID | 06-52-0000000527 |
| Sponsor Entity ID | 06-01-0000002809 |
| Sponsor Name | Galveston (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Design & construction of a new pump station & upgraded storm sewer along 20th St, with laterals on Harborside Dr. Includes water/sewer line replacement & repaving along 20th St, Market St, and Harborside Dr. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | Hurricane safe room |
| Drainage area (mi² est.) | 0.61 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 9 | Residential at risk | 449 |
| Population at risk | 7,630 | Structures at risk | 613 | Critical facilities | 9 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 14.15 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

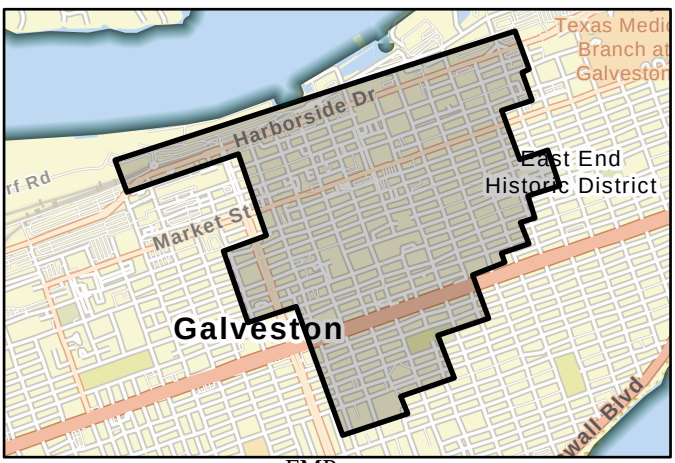
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 1,866 | Structures removed | 44 | Critical facilities removed | 1 |
| Emergency facilities removed | 1 | Farm/ranch removed | 0 | Roadways removed (miles) | 1.1 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | Hurricane safe room | | | Residential removed | 22 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $56,238,000 | % Nature-Based | 0% | Issues | Right-of-way and easements, grant administration, permitting for Hurrican safe room |
| Recurring costs | $3,374,300 | BCR | 0.23 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | 21st Street Drainage Improvements |
| FMP ID | 06-52-0000000528 |
| Sponsor Entity ID | 06-01-0000002809 |
| Sponsor Name | Galveston (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Design & construction of a new storm sewer trunkline along 21st St. Includes water/sewer line replacement & repaving along 21st St, Post Office St, Ave L, 20th St, and 24th St |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 1.08 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 11 | Residential at risk | 784 |
| Population at risk | 9,246 | Structures at risk | 1,046 | Critical facilities | 16 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 25.9 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

| | | | | | |
|---|---|---|---|---|---|
| Population removed | 1,499 | Structures removed | 108 | Critical facilities removed | 1 |
| Emergency facilities removed | 1 | Farm/ranch removed | 0 | Roadways removed (miles) | 1.32 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 82 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $23,888,000 | % Nature-Based | 0% | Issues | Right-of-way and easements, grant administration |
| Recurring costs | $1,433,300 | BCR | 0.34 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | 28th Street Drainage Improvements |
| FMP ID | 06-52-0000000529 |
| Sponsor Entity ID | 06-01-0000002809 |
| Sponsor Name | Galveston (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Design & construction of a new storm sewer trunkline along 28th St. Includes water/sewer line replacement & repaving along 28th St, Mechanic St, Market St, and Post Office St. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 1.22 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 8 | Residential at risk | 841 |
| Population at risk | 9,497 | Structures at risk | 1,180 | Critical facilities | 15 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 28.47 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

| | | | | | |
|---|---|---|---|---|---|
| Population removed | 574 | Structures removed | 48 | Critical facilities removed | 2 |
| Emergency facilities removed | 1 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.63 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 10 |

## Impacts

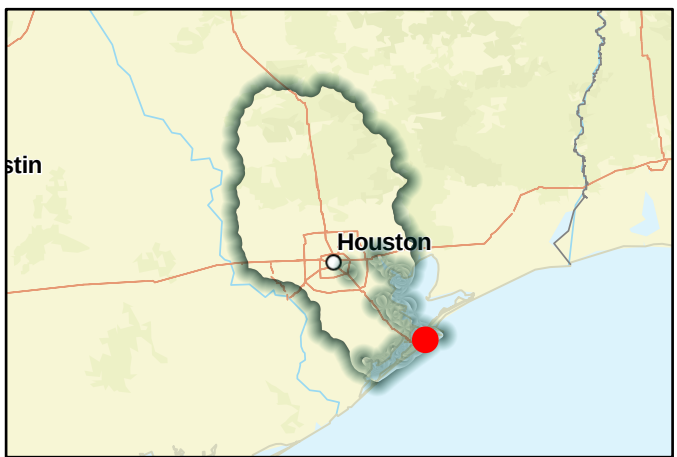
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $18,109,000 | % Nature-Based | 0% | Issues | Right-of-way and easements, grant administration |
| Recurring costs | $1,086,500 | BCR | 0.01 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | 29th Street Pump Station & Sewer Upgrades |
| FMP ID | 06-52-0000000530 |
| Sponsor Entity ID | 06-01-0000002809 |
| Sponsor Name | Galveston (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Design & construction of a new pump station & upgraded storm sewer along 29th St & Harborside Dr. Includes water/sewer line replacement & repaving along 29th St, The Strand, 28th St, and Harborside Dr. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | Hurricane safe room |
| Drainage area (mi² est.) | 1.22 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 8 | Residential at risk | 841 |
| Population at risk | 9,497 | Structures at risk | 1,180 | Critical facilities | 15 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 28.47 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

| | | | | | |
|---|---|---|---|---|---|
| Population removed | 489 | Structures removed | 35 | Critical facilities removed | 2 |
| Emergency facilities removed | 1 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.6 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | Hurricane safe room | | | Residential removed | 6 |

## Impacts

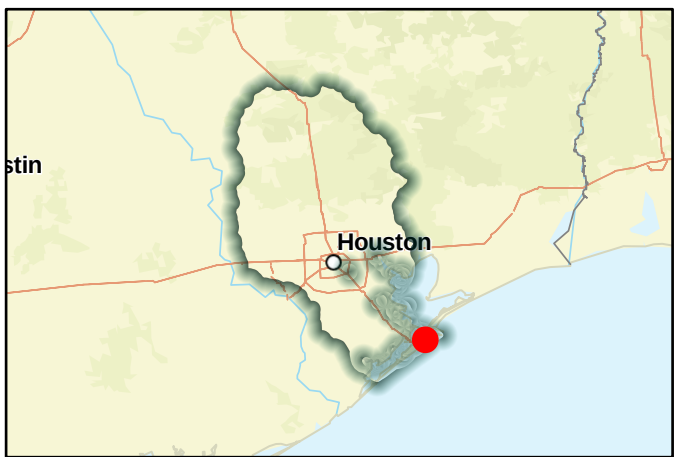
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $60,124,000 | % Nature-Based | 0% | Issues | Right-of-way and easements, grant administration, permitting for Hurrican safe room |
| Recurring costs | $3,607,400 | BCR | 0.26 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | 33rd Street Drainage Improvements |
| FMP ID | 06-52-0000000531 |
| Sponsor Entity ID | 06-01-0000002809 |
| Sponsor Name | Galveston (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Design & construction of upgraded storm sewer along 33rd St & new trunklines along 34th St & Ave K. Includes water/sewer line replacement & repaving along 33rd, 34th, 28th, 29th, 31st, 35th St, Church St & Ave K. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 2.92 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 18 | Residential at risk | 2,875 |
| Population at risk | 15,484 | Structures at risk | 3,446 | Critical facilities | 24 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 67.45 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

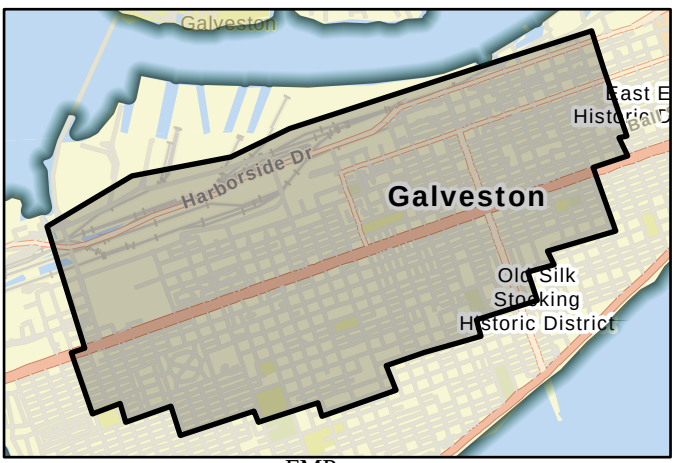
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 765 | Structures removed | 83 | Critical facilities removed | 2 |
| Emergency facilities removed | 1 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.43 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 60 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $52,443,000 | % Nature-Based | 0% | Issues | Right-of-way and easements, grant administration |
| Recurring costs | $3,146,600 | BCR | 0.32 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | 36th to 38th Street Drainage Improvements |
| FMP ID | 06-52-0000000532 |
| Sponsor Entity ID | 06-01-0000002809 |
| Sponsor Name | Galveston (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Design & construction of new storm sewer trunklines along 36th & 38th St. Includes water/sewer line replacement & repaving along 36th & 38th St. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 3.1 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 18 | Residential at risk | 2,898 |
| Population at risk | 15,634 | Structures at risk | 3,486 | Critical facilities | 25 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 69.16 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

| | | | | | |
|---|---|---|---|---|---|
| Population removed | 399 | Structures removed | 172 | Critical facilities removed | 2 |
| Emergency facilities removed | 1 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.72 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 135 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $17,158,000 | % Nature-Based | 0% | Issues | Right-of-way and easements, grant administration |
| Recurring costs | $1,029,500 | BCR | 0.33 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | 37th Street Pump Station & Sewer Upgrades |
| FMP ID | 06-52-0000000533 |
| Sponsor Entity ID | 06-01-0000002809 |
| Sponsor Name | Galveston (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Design & construction of a new pump station & upgraded storm sewer trunkline along 37th St. Includes water/sewer line replacement & repaving along 37th St and Winnie St. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | Hurricane safe room |
| Drainage area (mi² est.) | 1.86 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 9 | Residential at risk | 1,168 |
| Population at risk | 12,233 | Structures at risk | 1,572 | Critical facilities | 16 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 37.61 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

| | | | | | |
|---|---|---|---|---|---|
| Population removed | 278 | Structures removed | 41 | Critical facilities removed | 2 |
| Emergency facilities removed | 1 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.45 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | Hurricane safe room | | | Residential removed | 21 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $59,693,000 | % Nature-Based | 0% | Issues | Right-of-way and easements, grant administration, permitting for Hurrican safe room |
| Recurring costs | $3,581,600 | BCR | 0.39 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | 53rd Street Drainage Improvements |
| FMP ID | 06-52-0000000534 |
| Sponsor Entity ID | 06-01-0000002809 |
| Sponsor Name | Galveston (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Design & construction of a new storm sewer trunkline along 53rd St & Winnie St. Includes water/sewer line replacement & repaving along 53rd St & Winnie St. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 3.68 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 12 | Residential at risk | 2,497 |
| Population at risk | 12,892 | Structures at risk | 3,029 | Critical facilities | 19 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 62.38 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

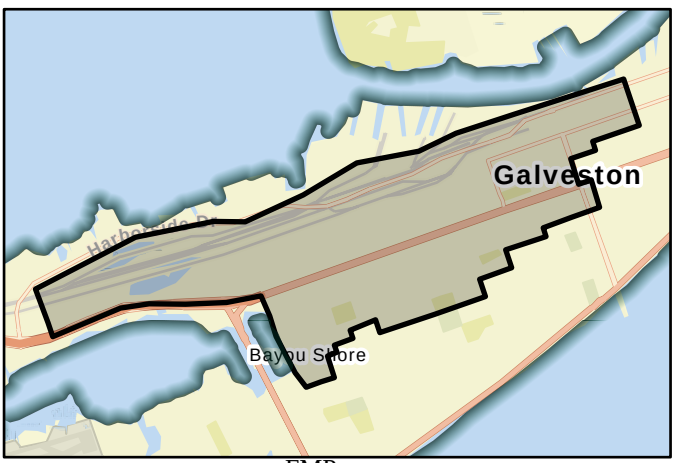
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 680 | Structures removed | 253 | Critical facilities removed | 1 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 1.34 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 228 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $12,115,000 | % Nature-Based | 0% | Issues | Right-of-way and easements, grant administration |
| Recurring costs | $726,900 | BCR | 0.01 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | 67th to 72nd Street Drainage Improvements |
| FMP ID | 06-52-0000000535 |
| Sponsor Entity ID | 06-01-0000002809 |
| Sponsor Name | Galveston (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Design & construction of new storm sewer trunklines along 67th, 69th, 71st, 72nd St & Wimcrest St. Includes water/sewer line replacement & repaving along streets between 67th & 72nd St. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.4 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 1 | Residential at risk | 381 |
| Population at risk | 771 | Structures at risk | 410 | Critical facilities | 1 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 6.05 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

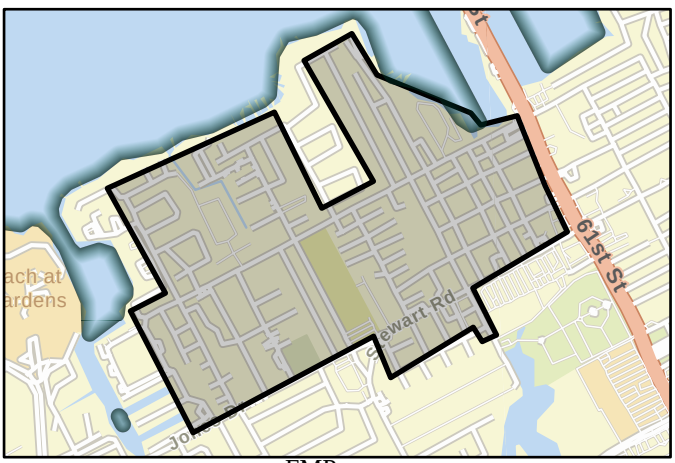
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 159 | Structures removed | 47 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.55 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 45 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $13,810,000 | % Nature-Based | 0% | Issues | Right-of-way and easements, grant administration |
| Recurring costs | $828,600 | BCR | 0.08 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Bay Harbor Subdivision |
| FMP ID | 06-52-0000000536 |
| Sponsor Entity ID | 06-01-0000002809 |
| Sponsor Name | Galveston (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Deepening & re-grading of roadside ditches & outfall channel in Bay Harbor subdivision. New storm sewer along 2nd, 3rd & 4th St & upsizing along Galceran Dr. Includes water/sewer line replacement. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.45 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 62 |
| Population at risk | 12 | Structures at risk | 64 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0.06 | Roadway(s) impacted (length) | 1.41 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

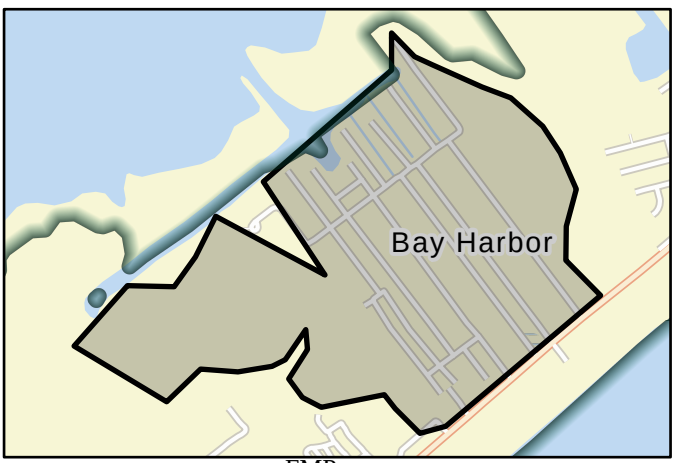
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 1 | Structures removed | 7 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.12 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 7 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $10,825,000 | % Nature-Based | 0% | Issues | Right-of-way and easements, grant administration |
| Recurring costs | $649,500 | BCR | 0.04 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | English Bayou Pump Station & Sewer Upgrades |
| FMP ID | 06-52-0000000537 |
| Sponsor Entity ID | 06-01-0000002809 |
| Sponsor Name | Galveston (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Design & construction of a new pump station & storm sewer trunkline along Ave L. Includes water/sewer line replacement & repaving along Ave L, 57th St, and McCullough Ave. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | Hurricane safe room |
| Drainage area (mi² est.) | 3.68 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 12 | Residential at risk | 2,497 |
| Population at risk | 12,892 | Structures at risk | 3,029 | Critical facilities | 19 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 62.38 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

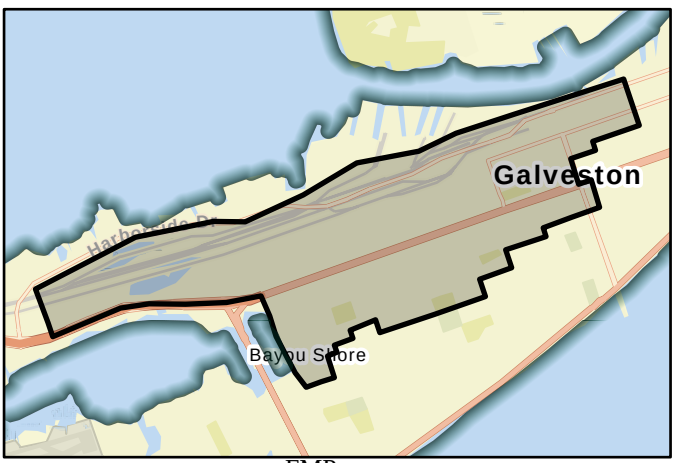
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 693 | Structures removed | 255 | Critical facilities removed | 1 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 1.32 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 229 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $88,139,000 | % Nature-Based | 0% | Issues | Right-of-way and easements, grant administration, permitting for Hurrican safe room |
| Recurring costs | $5,288,300 | BCR | 0.33 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Karankawa Beach & Gulf Palms Subdivisions |
| FMP ID | 06-52-0000000538 |
| Sponsor Entity ID | 06-01-0000002809 |
| Sponsor Name | Galveston (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Deepening & re-grading of roadside ditches in Karankawa Beach & Gulf Palms subdivisions & along FM 3005. New storm sewer & pump along FM 3005, Antigua Dr, Habla Dr, Bristow Dr & 16 Mile Rd. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.05 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 29 |
| Population at risk | 5 | Structures at risk | 30 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 0.45 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

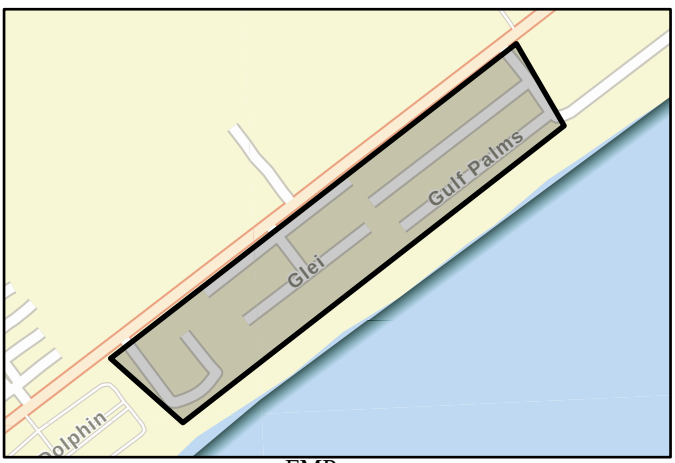
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 5 | Structures removed | 12 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.02 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 12 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $12,382,000 | % Nature-Based | 0% | Issues | Right-of-way and easements, grant administration |
| Recurring costs | $742,900 | BCR | 0.12 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | Pirates Beach Subdivision (East) |
| FMP ID | 06-52-0000000539 |
| Sponsor Entity ID | 06-01-0000002809 |
| Sponsor Name | Galveston (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Deepening & re-grading of roadside ditches east of Pirates Dr & along FM 3005. Improved outfall channel west of 11 Mile Rd. New storm sewer along Mutiny Ln, Grand Terre & 11 Mile Rd. Includes water/sewer line replacement. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.3 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 208 |
| Population at risk | 87 | Structures at risk | 209 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0.1 | Roadway(s) impacted (length) | 4.2 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

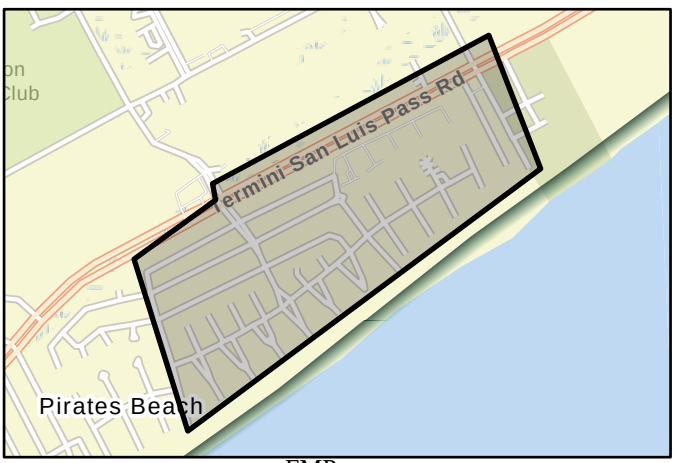
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 12 | Structures removed | 26 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0.01 | Roadways removed (miles) | 0.78 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 26 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $18,902,000 | % Nature-Based | 0% | Issues | Right-of-way and easements, grant administration |
| Recurring costs | $1,134,100 | BCR | 0.19 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Pirates Beach Subdivision (West) |
| FMP ID | 06-52-0000000540 |
| Sponsor Entity ID | 06-01-0000002809 |
| Sponsor Name | Galveston (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Deepening & re-grading of roadside ditches west of Pirates Dr & along FM 3005. Improved outfall channels west of El Lago St & Pirates Beach Cir. New storm sewer along multiple streets. Includes water/sewer line replacement. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.33 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 202 |
| Population at risk | 68 | Structures at risk | 206 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0.07 | Roadway(s) impacted (length) | 4.32 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

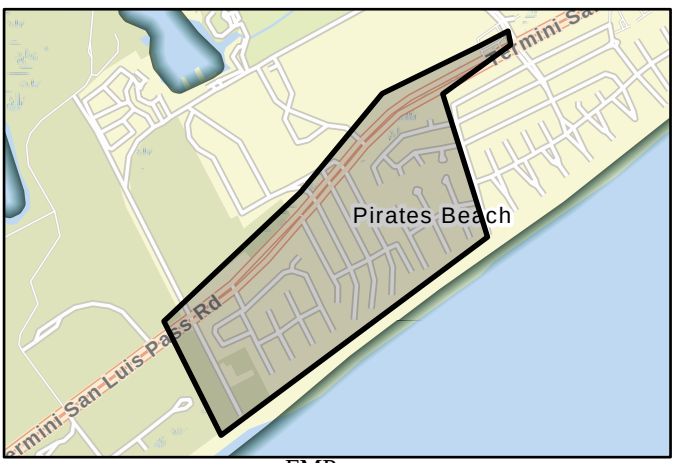
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 13 | Structures removed | 36 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.47 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 35 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $22,511,000 | % Nature-Based | 0% | Issues | Right-of-way and easements, grant administration |
| Recurring costs | $1,350,700 | BCR | 0.15 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Sea Isle Subdivision |
| FMP ID | 06-52-0000000541 |
| Sponsor Entity ID | 06-01-0000002809 |
| Sponsor Name | Galveston (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Deepening & re-grading of roadside ditches in Sea Isle subdivision. New storm sewer along Lampasas, N & S Shelby, Liberty, Mason, Burnet & Reeves Dr. Includes water/sewer line replacement. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.26 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 183 |
| Population at risk | 26 | Structures at risk | 187 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 2.3 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

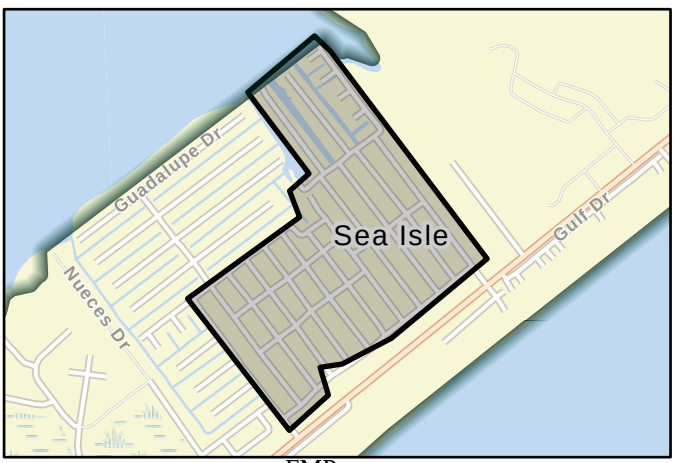
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 7 | Structures removed | 33 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.28 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 32 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $24,268,000 | % Nature-Based | 0% | Issues | Right-of-way and easements, grant administration |
| Recurring costs | $1,456,100 | BCR | 0.12 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | Teichman Subdivision |
| FMP ID | 06-52-0000000542 |
| Sponsor Entity ID | 06-01-0000002809 |
| Sponsor Name | Galveston (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | The Teichman Road drainage improvements involve the deepening and re-grading of roadside ditches along Teichman Road and Schattel Lane, improved outfall structures, and new culverts along Teichman Road and Schattel Lane. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.03 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 0 |
| Population at risk | 0 | Structures at risk | 0 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 0 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

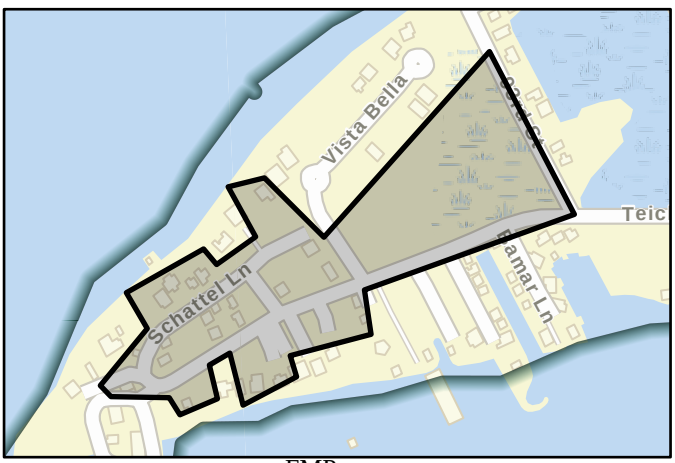
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $2,048,000 | % Nature-Based | 0% | Issues | Right-of-way and easements, grant administration |
| Recurring costs | $122,900 | BCR | 0 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | Terramar Beach Subdivision |
| FMP ID | 06-52-0000000543 |
| Sponsor Entity ID | 06-01-0000002809 |
| Sponsor Name | Galveston (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Deepening & re-grading of roadside ditches & outfall channel along the western edge of Terramar Beach subdivision. New storm sewer along Fresco St & Buena St. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.2 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 36 |
| Population at risk | 6 | Structures at risk | 36 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 0.81 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

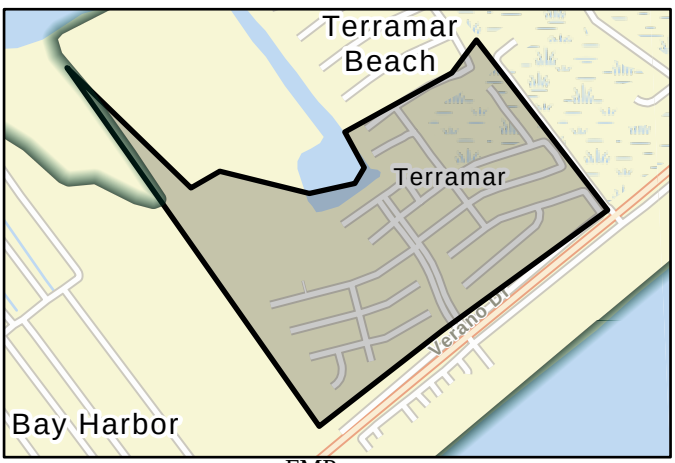
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 5 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.03 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 5 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $5,652,000 | % Nature-Based | 0% | Issues | Right-of-way and easements, grant administration |
| Recurring costs | $339,100 | BCR | 0.1 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | West Heards Lane Pump Station & Sewer Upgrades |
| FMP ID | 06-52-0000000544 |
| Sponsor Entity ID | 06-01-0000002809 |
| Sponsor Name | Galveston (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Design & construction of a new pump station & storm sewer trunkline along W Heards Ln. Includes water/sewer line replacement & repaving along W Heards Ln & Back Bay Cir. |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | Yes |
| If yes, describe Emergency Need | Hurricane safe room |
| Drainage area (mi² est.) | 0.4 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 1 | Residential at risk | 381 |
| Population at risk | 771 | Structures at risk | 410 | Critical facilities | 1 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 6.05 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

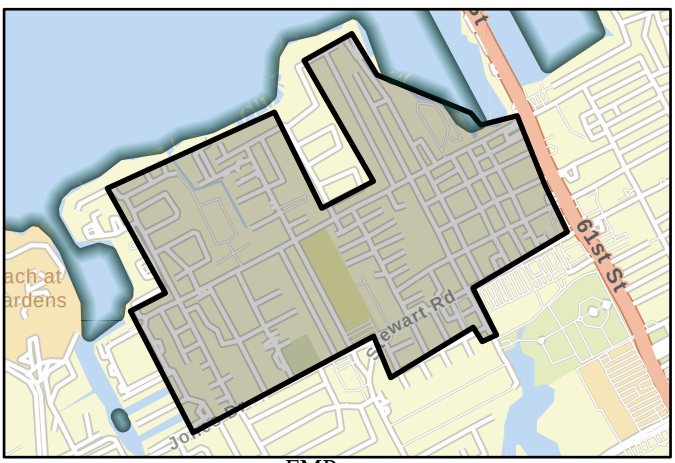
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 158 | Structures removed | 45 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.48 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 43 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $43,139,000 | % Nature-Based | 0% | Issues | Right-of-way and easements, grant administration, permitting for Hurrican safe room |
| Recurring costs | $2,588,300 | BCR | 0.33 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | Almeda Plaza Design Concept |
| FMP ID | 06-52-0000000545 |
| Sponsor Entity ID | 00-01-0000002853 |
| Sponsor Name | Houston (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Upsize stormwater inlets, storm sewers, and water lines; enclose and improve C137-00-00; add detention near Sims Bayou; and reconstruct neighborhood streets with concrete pavement and 5-ft sidewalks. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.53 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 369 |
| Population at risk | 1,730 | Structures at risk | 393 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 15.25 | Roadway(s) impacted (length) | 7.9 | | |
| Number of low water crossings | 1 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

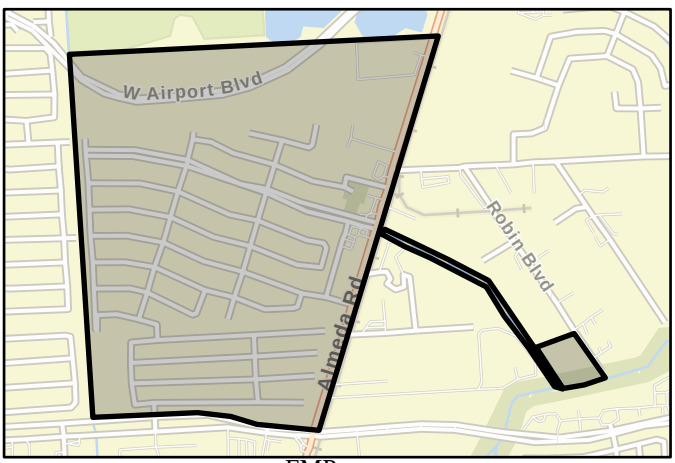
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 61 | Structures removed | 14 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.01 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 13 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $94,809,000 | % Nature-Based | 0% | Issues | Right-of-Way, utility conflicts, transportation coordination, permitting, detention property acquisition |
| Recurring costs | $5,688,500 | BCR | 0 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Central Park Drainage Analysis |
| FMP ID | 06-52-0000000546 |
| Sponsor Entity ID | 00-01-0000002853 |
| Sponsor Name | Houston (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Combines recommended transportation and drainage improvements into three phases, including stormwater, street and sidewalk upgrades, plus replacement of drinking water and wastewater lines. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 1.07 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 2 | Residential at risk | 492 |
| Population at risk | 1,913 | Structures at risk | 605 | Critical facilities | 2 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 10.82 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

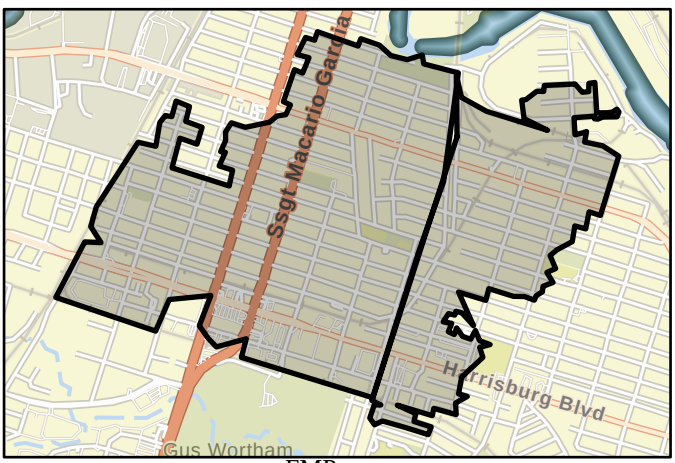
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 1,800 | Structures removed | 573 | Critical facilities removed | 2 |
| Emergency facilities removed | 2 | Farm/ranch removed | 0 | Roadways removed (miles) | 9.1 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 467 |

## Impacts

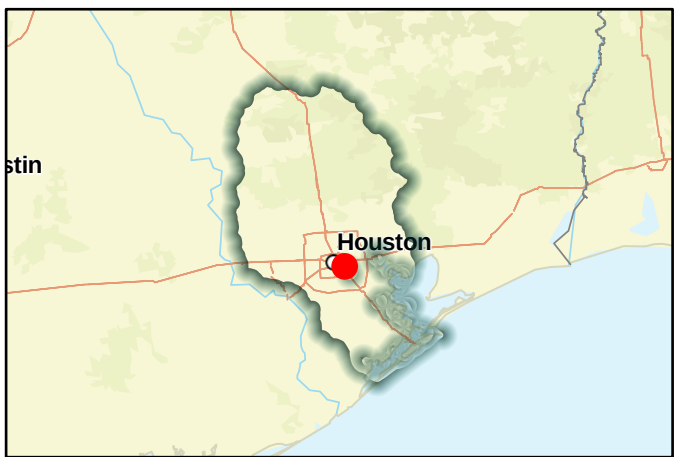
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $86,019,000 | % Nature-Based | 0% | Issues | Coordination with TxDOT for storm sewer and COH for planned consturction of the waterline imporvements |
| Recurring costs | $5,161,100 | BCR | 0.1 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Pamela Heights and Brentwood Neighborhoods Design Concept |
| FMP ID | 06-52-0000000547 |
| Sponsor Entity ID | 00-01-0000002853 |
| Sponsor Name | Houston (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Alternative 3 adds two storm sewer outfalls, providing five major outfalls total to better distribute flows, reduce trunkline loading, and help prevent flooding. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.29 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 441 |
| Population at risk | 1,503 | Structures at risk | 457 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 6.82 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

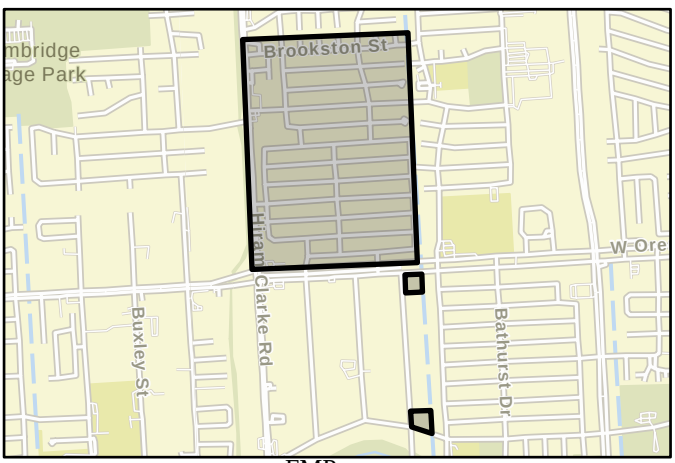
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 411 | Structures removed | 122 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.12 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 121 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $28,425,000 | % Nature-Based | 0% | Issues | Existing underground utilities, wastewater feasibility study is required prior to construction, limited available row, acquisition of proposed detention proterties, existing row obstructions and homeowner encroachments |
| Recurring costs | $1,705,500 | BCR | 0.1 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | F212-00-00-C001: F212 Channel Conveyance Improvements |
| FMP ID | 06-52-0000000548 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Channel |
| FMP Description | Channel conveyance improvements including channel widening, culvert upgrades, and reinforced concrete box installations to reduce flood risk. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.61 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 1 | Residential at risk | 60 |
| Population at risk | 94 | Structures at risk | 73 | Critical facilities | 1 |
| Farm/Ranch land impacted (acres) | 0.02 | Roadway(s) impacted (length) | 1.09 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

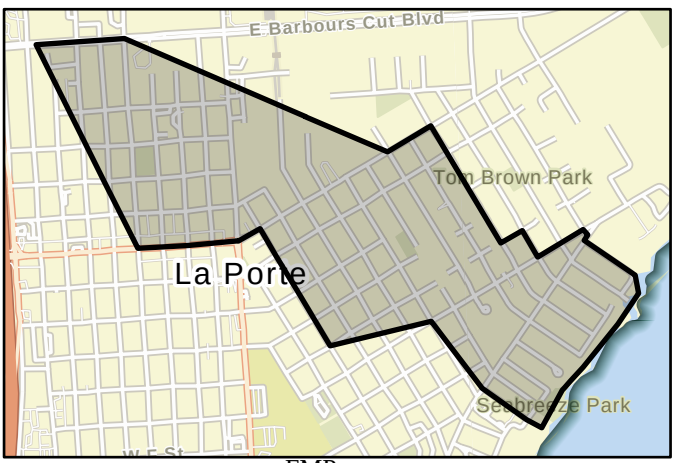
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 62 | Structures removed | 49 | Critical facilities removed | 1 |
| Emergency facilities removed | 1 | Farm/ranch removed | 0.02 | Roadways removed (miles) | 0.58 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 41 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $4,852,000 | % Nature-Based | 0% | Issues | USACE jurisdictional determination and Section 404 permitting |
| Recurring costs | $291,100 | BCR | 1.36 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | G112-00-00-E001: Panther Creek Stormwater Detention Basin |
| FMP ID | 06-52-0000000549 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | Construction of approximately 30 ac-ft detention basin, diversion channel, and outfall facilities to reduce flooding in Panther Creek Problem Area 2. Can be expanded in future phases |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.01 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 0 |
| Population at risk | 0 | Structures at risk | 0 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 3.06 | Roadway(s) impacted (length) | 0 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

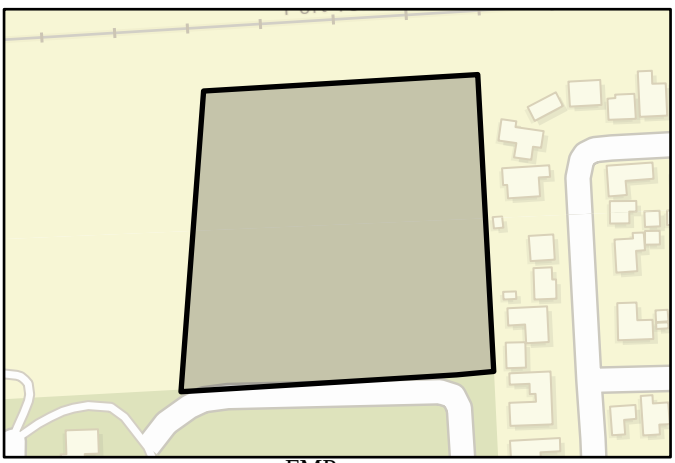
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $10,990,000 | % Nature-Based | 0% | Issues | Lack of stakeholder support |
| Recurring costs | $659,400 | BCR | 0 | | |



FMP area




Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | G503-06-00-E004: Woodridge Stormwater Detention Basin, Compartment 2 |
| FMP ID | 06-52-0000000550 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Channel conveyance and stormwater detention improvements to increase system capacity and reduce the 100-year floodplain of Taylor Gully. |
| County | Montgomery |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.17 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 0 |
| Population at risk | 0 | Structures at risk | 0 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 38.52 | Roadway(s) impacted (length) | 0 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

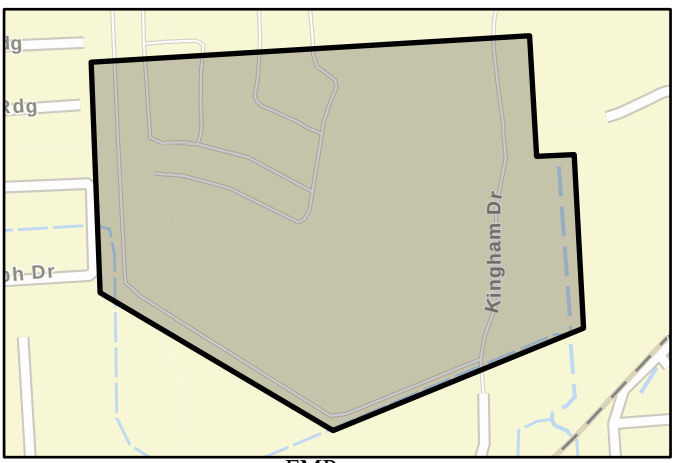
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $28,218,000 | % Nature-Based | 0% | Issues | Right-of-Way acquisition, permitting, utility conflicts, environmental impacts, funding |
| Recurring costs | $1,693,100 | BCR | 0 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | H125-00-00-E001: Right-of-Way Acquisition, Design and Construction of Wallisville Outfall |
| FMP ID | 06-52-0000000551 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Detention basin and channel conveyance improvements along H125-00-00 to reduce flooding in the Wallisville Outfall watershed. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.12 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 0 |
| Population at risk | 0 | Structures at risk | 0 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0.78 | Roadway(s) impacted (length) | 0.07 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

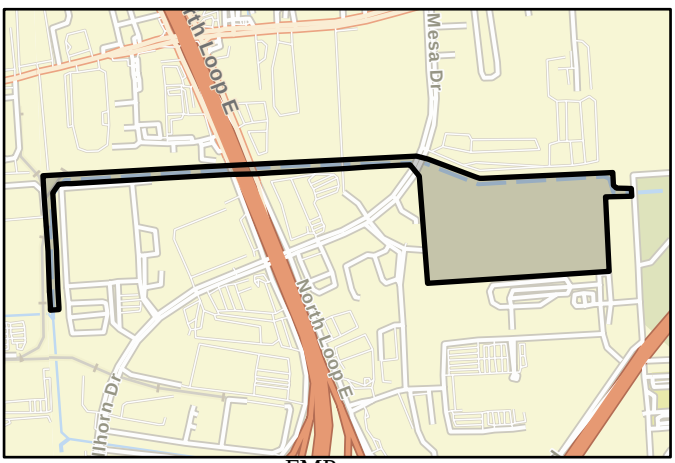
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.02 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $12,058,000 | % Nature-Based | 0% | Issues | Right-of-Way acquisition, permitting, utility conflicts, environmental impacts, funding |
| Recurring costs | $723,500 | BCR | 0 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | L500-09-00-E003: Schiel Stormwater Detention Basin Improvements |
| FMP ID | 06-52-0000000552 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Regional detention basins and channel improvements along Little Cypress Creek reducing flood risk, increasing conveyance, and supporting watershed buildout. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 1.02 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 0 |
| Population at risk | 0 | Structures at risk | 0 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 0 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

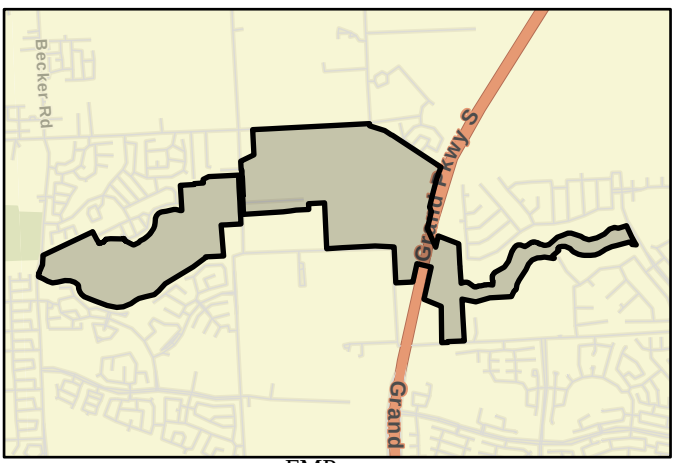
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $112,500,000 | % Nature-Based | 0% | Issues | USACE permitting and funding limitations |
| Recurring costs | $6,750,000 | BCR | 0 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | L500-10-00-E002: Mueschke West Stormwater Detention Basin Improvements |
| FMP ID | 06-52-0000000553 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Stormwater detention basin and channel conveyance improvements to increase flood storage capacity and reduce flooding in the Mueschke West area. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.34 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 0 |
| Population at risk | 0 | Structures at risk | 0 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 59.52 | Roadway(s) impacted (length) | 0.06 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

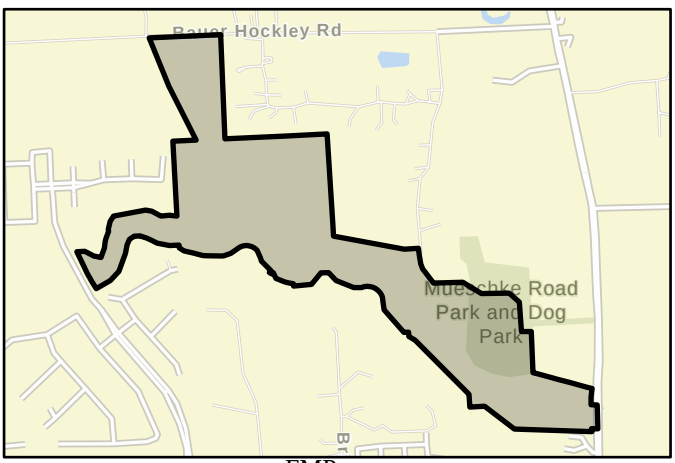
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 38.49 | Roadways removed (miles) | 0.05 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $42,022,000 | % Nature-Based | 0% | Issues | Right-of-Way acquisition, environmental permitting, utility coordination, funding |
| Recurring costs | $2,521,300 | BCR | 0 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | L500-11-00-E001: Hegar Stormwater Detention Basin Improvements |
| FMP ID | 06-52-0000000554 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Reduce flooding through regional detention and channel improvements, lowering flood elevations, enhancing conveyance, and supporting future watershed development. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.41 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 0 |
| Population at risk | 0 | Structures at risk | 0 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 173.49 | Roadway(s) impacted (length) | 0 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

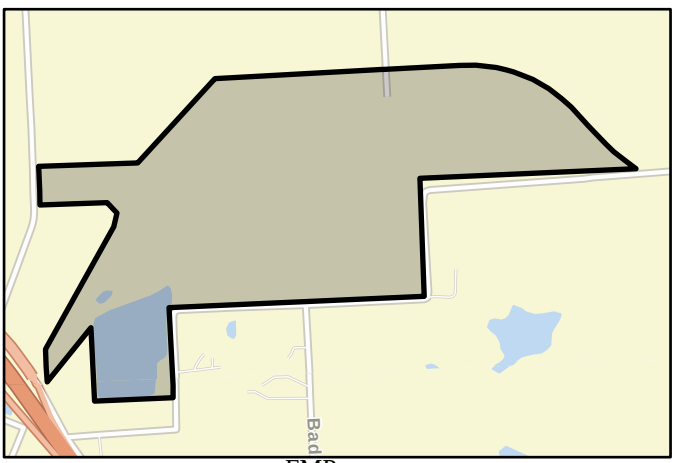
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $72,160,000 | % Nature-Based | 0% | Issues | ROW aquisistion, enviornmental permitting, site access limitation and funding constraints |
| Recurring costs | $4,329,600 | BCR | 0 | | |


FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | L512-03-00-E001: Mason Stormwater Detention Basin Improvements |
| FMP ID | 06-52-0000000555 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | Develop the Mason Stormwater Detention Basin to provide regional flood storage and reduce flooding within the Little Cypress Creek watershed. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.29 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 0 |
| Population at risk | 0 | Structures at risk | 0 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 0 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

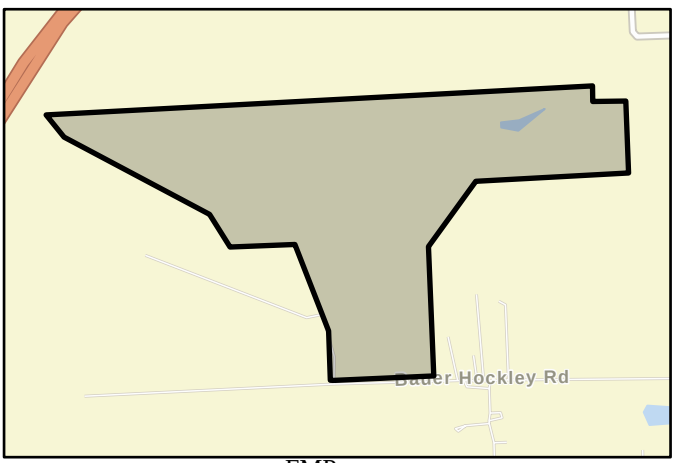
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $91,088,000 | % Nature-Based | 0% | Issues | USACE permitting, stream impacts, excavation, ROW constraints, utility coordination, dam review, phased construction, and funding limitations. |
| Recurring costs | $5,465,300 | BCR | 0 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Q100-00-00-E003: Cedar Bayou Regional Detention and Channel Improvements Upstream of FM 1960 |
| FMP ID | 06-52-0000000556 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Reduce flood risk along Cedar Bayou through regional detention storage, channel conveyance improvements, and drainage infrastructure enhancements upstream. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 22.86 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 2 | Residential at risk | 271 |
| Population at risk | 1,945 | Structures at risk | 374 | Critical facilities | 8 |
| Farm/Ranch land impacted (acres) | 516.2 | Roadway(s) impacted (length) | 6.5 | | |
| Number of low water crossings | 3 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

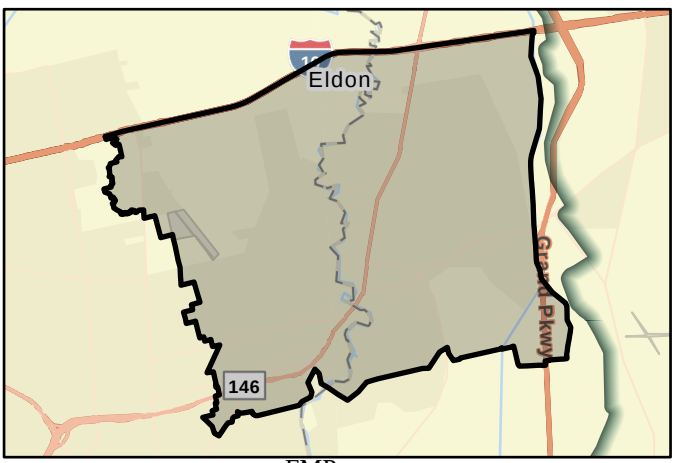
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 100 | Structures removed | 35 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 5.19 | Roadways removed (miles) | 0.55 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 31 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $74,500,000 | % Nature-Based | 0% | Issues | Budget limitations and permitting challanges |
| Recurring costs | $4,470,000 | BCR | 0 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Q100-00-00-P003: Q500-01-00 Cedar Bayou Main Stem I-10 to SH 146 Regional Detention Basin Improvement |
| FMP ID | 06-52-0000000557 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | Regional detention basin project along Cedar Bayou between I-10 and SH 146 to reduce flood risk and improve conveyance. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 22.86 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 206 |
| Population at risk | 582 | Structures at risk | 251 | Critical facilities | 3 |
| Farm/Ranch land impacted (acres) | 366.55 | Roadway(s) impacted (length) | 4.72 | | |
| Number of low water crossings | 3 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

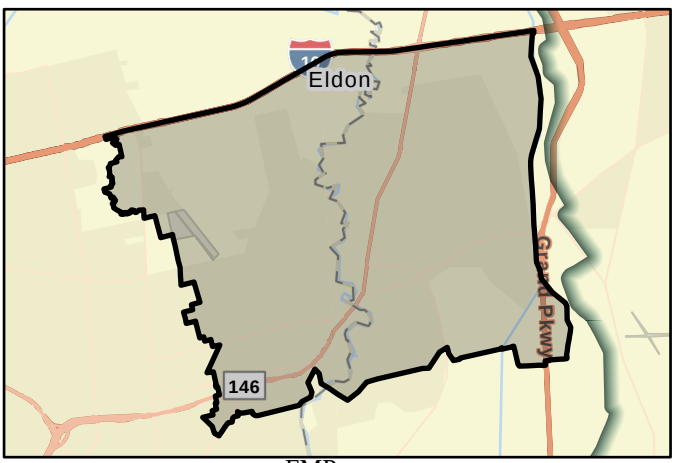
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 71 | Structures removed | 26 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.86 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 24 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $67,200,000 | % Nature-Based | 0% | Issues | Exceeds budget, ROW aquisition, construction and maintainibilty and permitting issue |
| Recurring costs | $4,032,000 | BCR | 0 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Q100-00-00-P004: Cedar Bayou Regional Detention Between I-10 and FM 1942 |
| FMP ID | 06-52-0000000558 |
| Sponsor Entity ID | 00-01-0000000310 |
| Sponsor Name | Harris County Flood Control District (Flood District) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | Regional detention project reducing flood risk in Cedar Bayou watershed through phased detention basin construction near Hunters Village. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 66.26 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 360 |
| Population at risk | 1,447 | Structures at risk | 689 | Critical facilities | 115 |
| Farm/Ranch land impacted (acres) | 5,491.75 | Roadway(s) impacted (length) | 10.53 | | |
| Number of low water crossings | 4 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

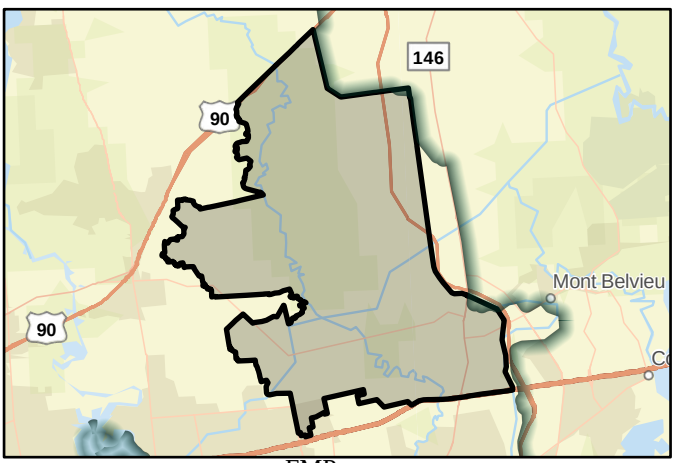
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 4 | Structures removed | 3 | Critical facilities removed | 2 |
| Emergency facilities removed | 0 | Farm/ranch removed | 6.38 | Roadways removed (miles) | 0.01 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $18,900,000 | % Nature-Based | 0% | Issues | Budget limitations, enviornmental permitting, ROW aquistions and utility conflicts |
| Recurring costs | $1,134,000 | BCR | 0 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | Barker Reservoir Headwaters Land Acquisition & Restoration |
| FMP ID | 06-52-0000000559 |
| Sponsor Entity ID | 00-01-0000004002 |
| Sponsor Name | Coastal Prairie Conservancy (Other) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

## FMP Details

| | |
|---|---|
| FMP Type | Property Acquisition |
| FMP Description | Purchase and restore agricultural & natural lands at the headwater of Barker Reservoir. Manage land for agricultural use, restore native landscape like grasslands and wetlands, and enhance management practices. Provides natural flood mitigation benefits. |
| County | Waller |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 1.76 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 0 |
| Population at risk | 0 | Structures at risk | 0 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 0 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

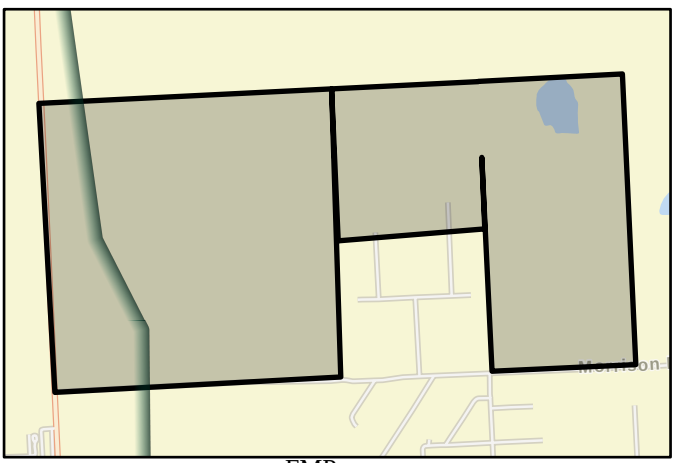
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | Environmental, Low Impact Development Features | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $27,000,000 | % Nature-Based | 100% | Issues | Land acquisition, funding, environmental permitting, restoration and long-term maintenance |
| Recurring costs | $1,620,000 | BCR | 0 | | |



FMP area




Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | Mound Creek Conservation |
| FMP ID | 06-52-0000000560 |
| Sponsor Entity ID | 00-01-0000004002 |
| Sponsor Name | Coastal Prairie Conservancy (Other) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

## FMP Details

| | |
|---|---|
| FMP Type | Property Acquisition |
| FMP Description | Purchase conservation easement from landowner to permanently conserve as agricultural/natural areas. KPC to ensure land remains undeveloped agricultural land and maintain conservation. Would provide multiple benefits such as flood mitigation, and more. |
| County | Multiple |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 3.3 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 0 |
| Population at risk | 0 | Structures at risk | 0 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 0 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

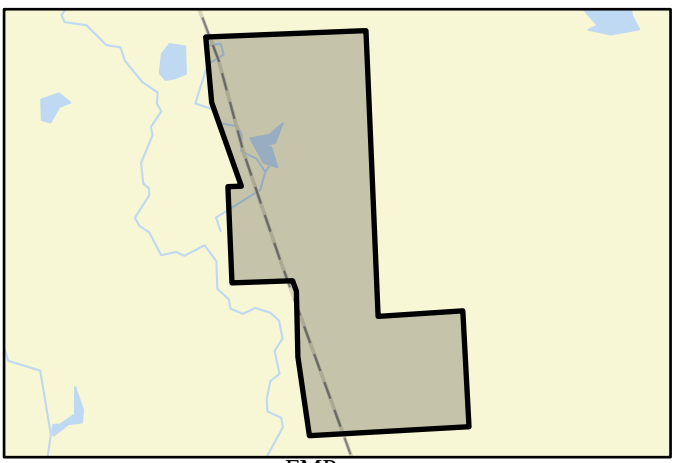
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | Environmental | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $34,000,000 | % Nature-Based | 100% | Issues | Landowner participation, conservation easement negotiation, funding, long-term stewardship |
| Recurring costs | $2,040,000 | BCR | 0 | | |



FMP area




Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | Warren Ranch Conservation |
| FMP ID | 06-52-0000000561 |
| Sponsor Entity ID | 00-01-0000004002 |
| Sponsor Name | Coastal Prairie Conservancy (Other) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

## FMP Details

| | |
|---|---|
| FMP Type | Property Acquisition |
| FMP Description | Acquisition of remaining private interest stake in the 6,004-acre Warren Ranch for floodplain preservation and conservation. Place a conservation easement on the Ranch to conserve ag and natural habitat. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 9.42 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 0 |
| Population at risk | 0 | Structures at risk | 0 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 0 | | |
| Number of low water crossings | 0 | Historical road closures | 2 | | |

## 100-Year Flood Risk Reduction

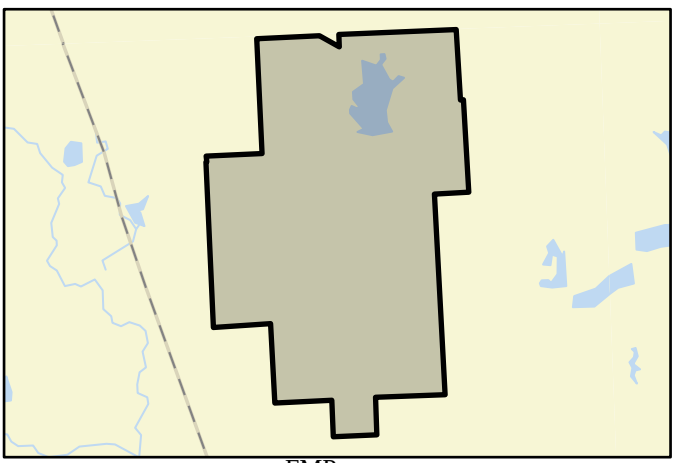
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | Public access and recreation, agriculture, habitat preservation | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $45,000,000 | % Nature-Based | 100% | Issues | Property interest acquisition, title and easement coordination, funding, long-term stewardship |
| Recurring costs | $2,700,000 | BCR | 0 | | |



FMP area




Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | Cypress Creek Headwaters Conservation |
| FMP ID | 06-52-0000000562 |
| Sponsor Entity ID | 00-01-0000004002 |
| Sponsor Name | Coastal Prairie Conservancy (Other) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

## FMP Details

| | |
|---|---|
| FMP Type | Property Acquisition |
| FMP Description | Acquisition and restoration of 1,074-acres of ag and natural lands at the headwaters of Cypress Creek. |
| County | Waller |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 1.73 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 0 |
| Population at risk | 0 | Structures at risk | 0 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 0 | | |
| Number of low water crossings | 0 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

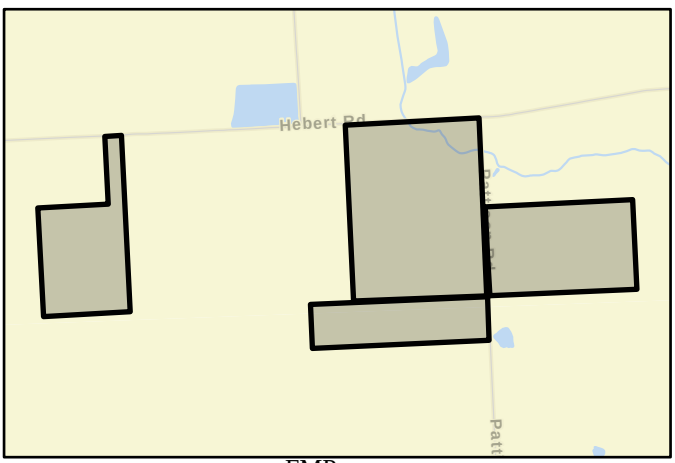
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | 0 |
| Other benefits | Public access and recreation, agriculture, habitat preservation | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $17,000,000 | % Nature-Based | 100% | Issues | Land acquisition, environmental permitting, restoration and long-term maintenance |
| Recurring costs | $1,020,000 | BCR | 0 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | City of Manvel Chocolate Bayou |
| FMP ID | 06-52-0000000563 |
| Sponsor Entity ID | 06-01-0000002985 |
| Sponsor Name | Manvel (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | Elevated through Task 4C during second cycle |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Channelization of Chocolate Bayou |
| County | Brazoria |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 2.82 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 0 |
| Population at risk | 0 | Structures at risk | 0 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 0 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

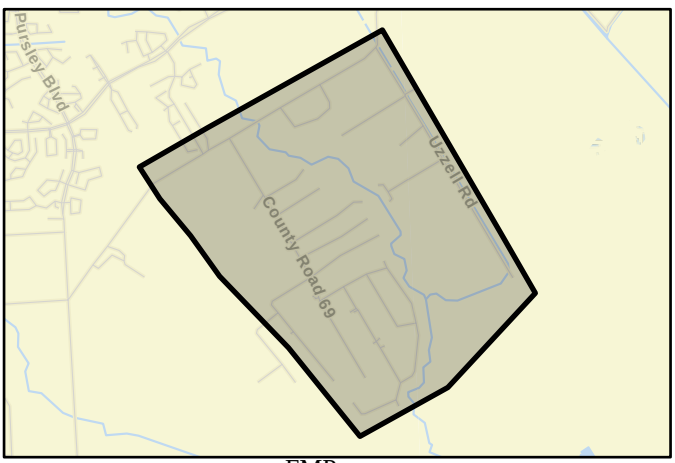
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $11,236,000 | % Nature-Based | 0% | Issues | Right-of-Way, permitting, utility conflicts, environmental impacts, funding |
| Recurring costs | $674,200 | BCR | 0.7 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Interurban Ditch |
| FMP ID | 06-52-0000000564 |
| Sponsor Entity ID | 06-01-0000003147 |
| Sponsor Name | League City (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | Elevated through Task 4C during second cycle |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Feasibility Assessment for Interurban Ditch |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.99 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 42 |
| Population at risk | 71 | Structures at risk | 43 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 1.8 | | |
| Number of low water crossings | 1 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

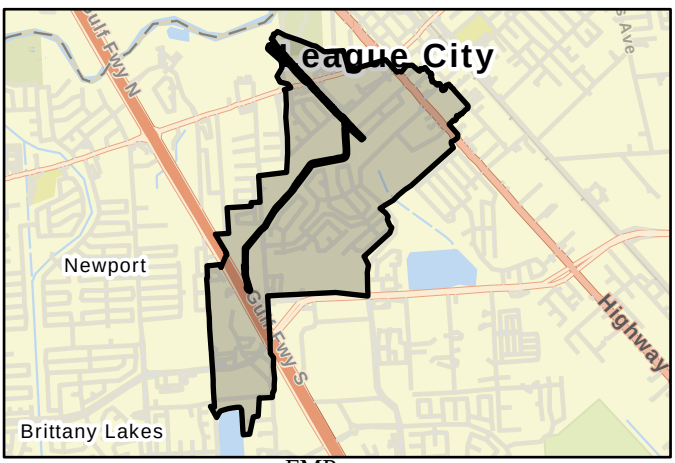
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 55 | Structures removed | 34 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.71 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 33 |

## Impacts

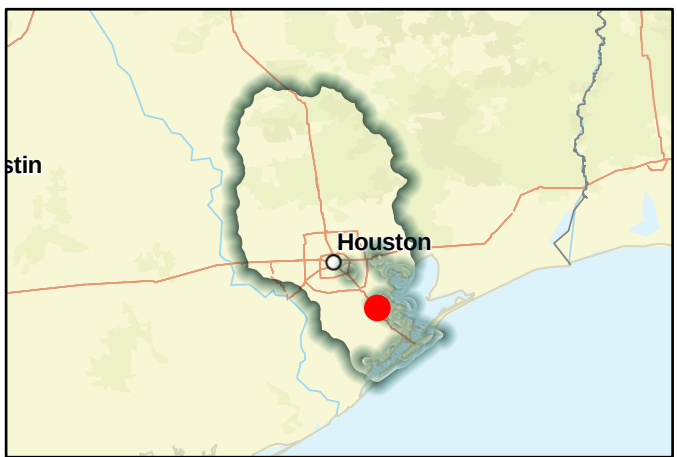
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $9,355,000 | % Nature-Based | 0% | Issues | Right-of-Way, site access, stakeholder coordination |
| Recurring costs | $561,300 | BCR | 0.1 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | Nottingham |
| FMP ID | 06-52-0000000565 |
| Sponsor Entity ID | 06-01-0000003147 |
| Sponsor Name | League City (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | Elevated through Task 4C during second cycle |

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Feasibility assessment for Nottingham Ditch |
| County | Galveston |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.99 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 76 |
| Population at risk | 131 | Structures at risk | 79 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 2.13 | | |
| Number of low water crossings | 1 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

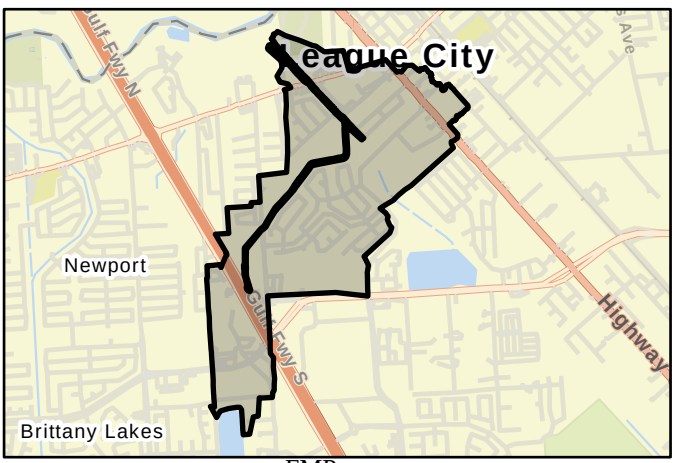
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 31 | Structures removed | 9 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0.5 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 9 |

## Impacts

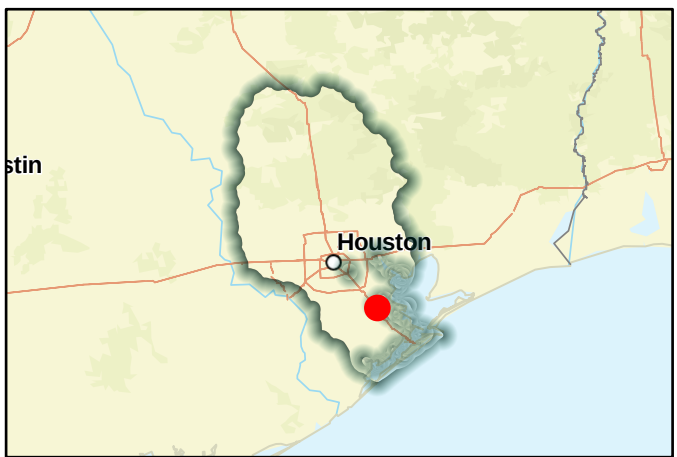
| | | | |
|---|---|---|---|
| Negative impact? | No | Negative impacts description | - |
| Water supply contributions? | No | Water supply contribution | - |

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $7,530,000 | % Nature-Based | 0% | Issues | Right-of-Way, site access, stakeholder coordination |
| Recurring costs | $451,800 | BCR | 0.1 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | Pine Village Public Utility District- Regional Stormwater Detention Study |
| FMP ID | 06-52-0000000566 |
| Sponsor Entity ID | 06-01-0000001605 |
| Sponsor Name | Pine Village PUD (Other) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | The Project includes a regional SWDB, underground storm sewer improvements, and a controlled outfall to collect and temporarily detain stormwater before slowly releasing it to the P136-00-00 channel. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 0.28 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 114 |
| Population at risk | 891 | Structures at risk | 120 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 0 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

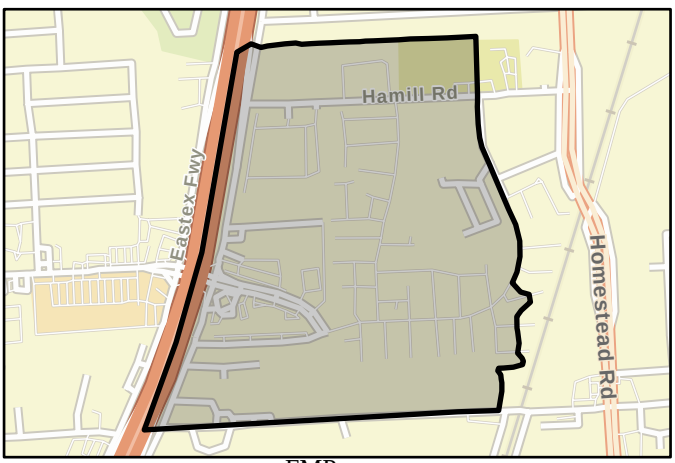
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 891 | Structures removed | 120 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 114 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $14,671,000 | % Nature-Based | 0% | Issues | Land acquisition, permitting, utility conflicts, outfall coordination |
| Recurring costs | $880,300 | BCR | 1.08 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | City of Jersey Village Residential Property Elevation Program |
| FMP ID | 06-52-0000000569 |
| Sponsor Entity ID | 06-01-0000002457 |
| Sponsor Name | Jersey Village (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Property Elevation |
| FMP Description | Voluntary elevation of flood-prone residential structures in Jersey Village. Targets repetitive & severe repetitive loss properties in the 100-yr floodplain. Elevating above BFE reduces flood damage & long-term recovery costs. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 3.54 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 0 |
| Population at risk | 0 | Structures at risk | 0 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 0 | | |
| Number of low water crossings | 2 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

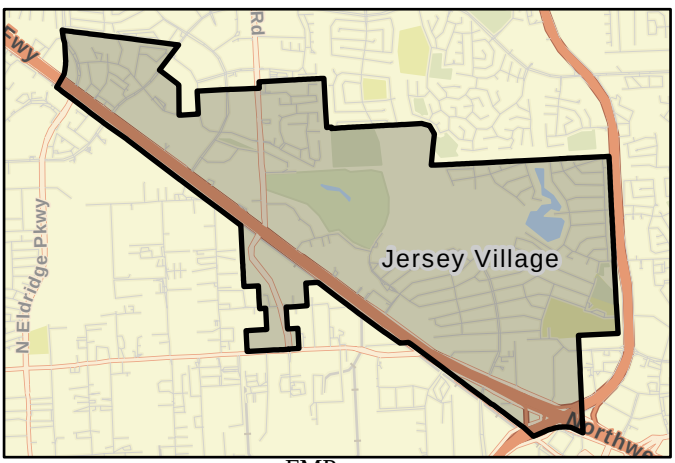
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | Reduced NFIP claims, lower homeowner insurance costs, reduced displacement after flood | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $35,218,000 | % Nature-Based | 0% | Issues | Homeowner participation, temporary relocation, permitting |
| Recurring costs | $2,113,100 | BCR | 0 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

| | |
|---|---|
| Title | Walnut Bend Drainage Improvements |
| FMP ID | 06-52-0000000570 |
| Sponsor Entity ID | 00-01-0000002853 |
| Sponsor Name | Houston (Municipality) |
| RFPG Recommended? | - |
| Reason for Recommendation | - |

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

## FMP Details

| | |
|---|---|
| FMP Type | Infrastructure |
| FMP Description | Improve drainage in Walnut Bend to achieve a 2-year LOS through targeted storm sewer upsizing and inline detention, with associated drinking water line and traffic signal improvements. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 1.59 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 0 |
| Population at risk | 0 | Structures at risk | 0 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 0 | | |
| Number of low water crossings | 0 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

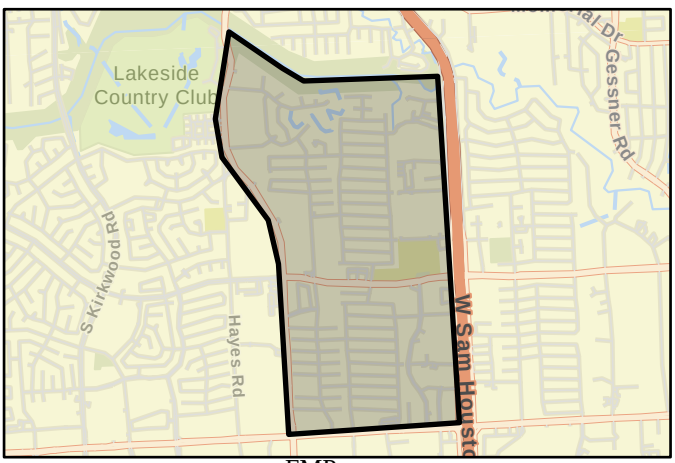
| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $103,131,000 | % Nature-Based | 0% | Issues | construction in a residential area, depth of receiving channel, buffalo bayou capacity, limitied mitigation options, fudning sources |
| Recurring costs | $6,187,900 | BCR | 0 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | The Coles Crossing Stormwater Detention and Water Quality Improvement Project |
| FMP ID | 06-52-0000000586 |
| Sponsor Entity ID | 06-01-0000002039 |
| Sponsor Name | Harris County MUD 365 (Other) |
| RFPG Recommended? | - |
| Reason for Recommendation | Elevated through Task 4C during second cycle |

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | PER to further study and design the incorporation of additional mitigation volume and SWQ features in the existing Cole Creek detention pond along Cypress Creek. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 25.77 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 0 |
| Population at risk | 0 | Structures at risk | 0 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 0 | | |
| Number of low water crossings | 2 | Historical road closures | 0 | | |

## 100-Year Flood Risk Reduction

| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $13,996,000 | % Nature-Based | 0% | Issues | Permitting, environmental coordination, utility conflicts, water-quality design requirements |
| Recurring costs | $839,800 | BCR | 0.2 | | |



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

| | |
|---|---|
| Title | South Jarvis Road Detention Study |
| FMP ID | 06-52-0000000587 |
| Sponsor Entity ID | 06-01-0000002039 |
| Sponsor Name | Harris County MUD 365 (Other) |
| RFPG Recommended? | - |
| Reason for Recommendation | Elevated through Task 4C during second cycle |

## FMP Details

| | |
|---|---|
| FMP Type | Detention Pond |
| FMP Description | Study to determine the feasibility and potential volume associated with excavating a detention pond southwest of the intersection of Jarvis Road and Barker-Cypress Road. |
| County | Harris |
| Associated FME's | - |
| Associated FMS's | - |
| Emergency Need? | No |
| If yes, describe Emergency Need | - |
| Drainage area (mi² est.) | 19.25 |
| Assumptions/Relevant Context | N/A |

## Existing 100-Year Flood Risk Summary

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

| | | | | | |
|---|---|---|---|---|---|
| Known lives lost in study area | 0 | Emergency facilities at risk | 0 | Residential at risk | 0 |
| Population at risk | 0 | Structures at risk | 0 | Critical facilities | 0 |
| Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (length) | 0 | | |
| Number of low water crossings | 1 | Historical road closures | - | | |

## 100-Year Flood Risk Reduction

| | | | | | |
|---|---|---|---|---|---|
| Population removed | 0 | Structures removed | 0 | Critical facilities removed | 0 |
| Emergency facilities removed | 0 | Farm/ranch removed | 0 | Roadways removed (miles) | 0 |
| Low water crossing removed | 0 | | | Reduction in road closures over 10 years | - |
| Other benefits | - | | | Residential removed | 0 |

## Impacts

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

## Estimated Cost

| | | | | | |
|---|---|---|---|---|---|
| Total FMP Cost | $25,127,000 | % Nature-Based | 0% | Issues | Land acquisition, permitting, geotechnical and environmental constraints |
| Recurring costs | $1,507,600 | BCR | 0 | | |



FMP area



Regional view of FMP area