

# Flood Management Evaluation (FME)



Title **Houston County dike for critical facilities**

ID# **031000148**

Sponsor (name of entity, not person) **Houston County**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

## Study Details

Study type **Project Planning**

Study description **Evaluate alternatives to build earthen dike to elevate emergency vehicle access road to critical facilities to provide protection to 500-year flood level**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Houston** Watershed HUC# (if known) **120301080106,120602020701,120301080107**

Drainage area (Square miles, est.) **1,232** Goal(s) **03000003, 03000004, 03000011, 03000012, 03000019, 03000020**

## 100-Year Flood Risk Summary

Population at risk **36** # of structures **21** Critical facilities **5**

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

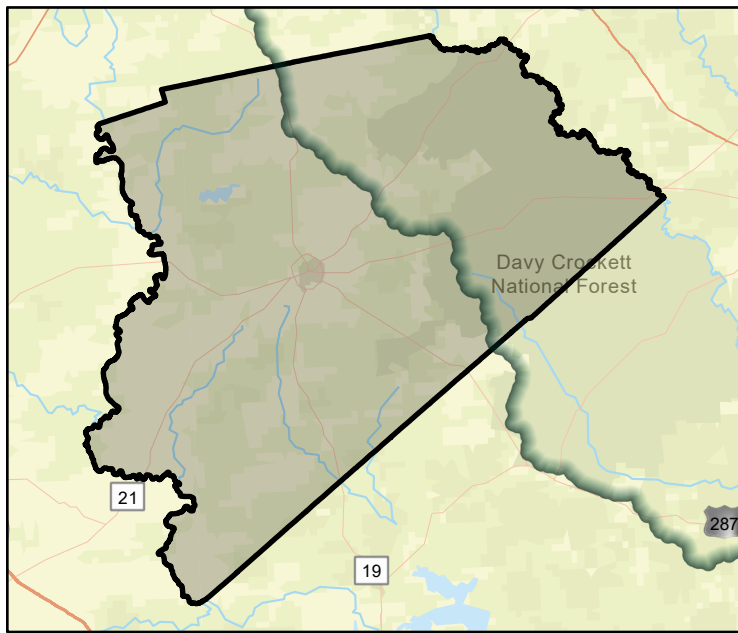
Farm/Ranch land impacted (acres) **46,988** Roadway(s) impacted (length) **110**

Number of low water crossings **18** Historical road closures **-**

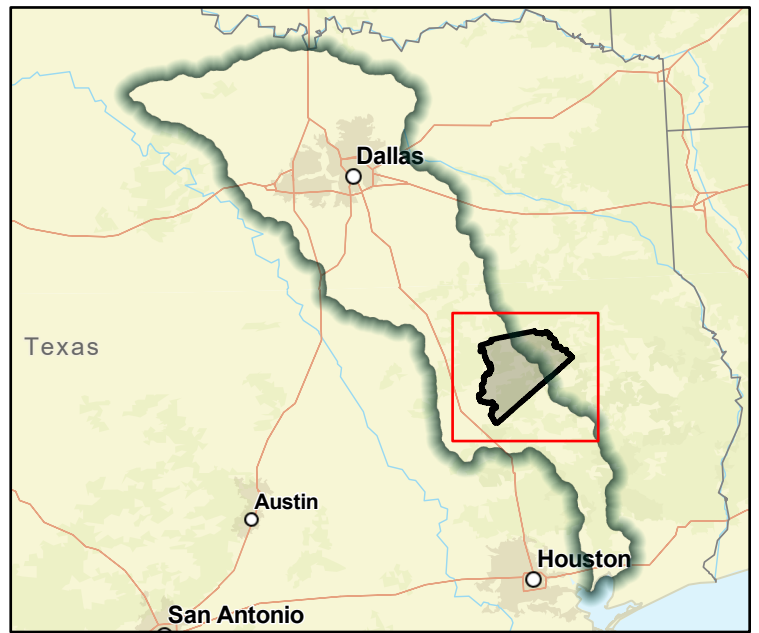
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **50,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Grapeland Critical Facilities Floodproofing Assessment**

ID# **031000149**

Sponsor (name of entity, not person) **Grapeland**

RFPG recommend? **Yes** Reason for Recommendation **City split their projects within watersheds. No need for a DMP.**

## Study Details

Study type **Project Planning**

Study description **Assess flood proofing critical facilities to the 500-year flood that are located in flood-prone areas of the city in Region 3**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Houston** Watershed HUC# (if known) **120200010701,120302010702,120302010703**

Drainage area (Square miles, est.) **1** Goal(s) **03000011, 03000012, 03000019, 03000020**

## 100-Year Flood Risk Summary

Population at risk **8** # of structures **14** Critical facilities **0**

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

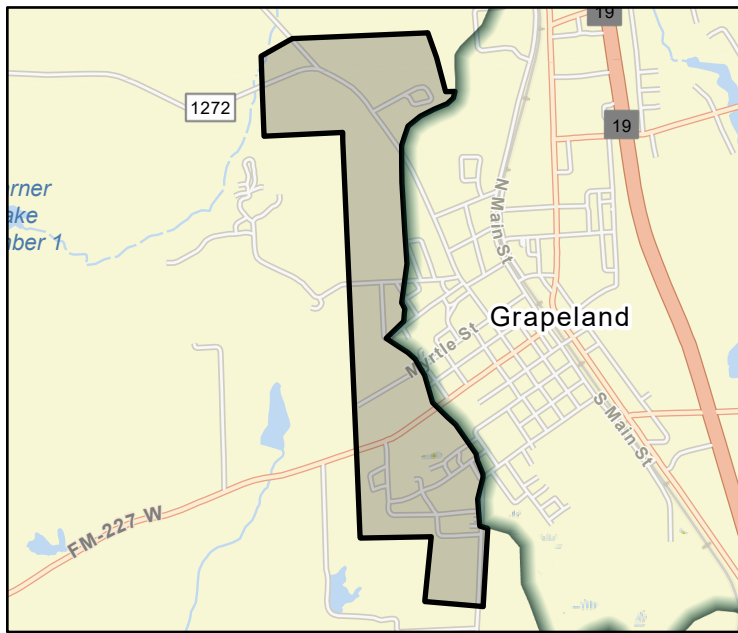
Farm/Ranch land impacted (acres) **3** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **-**

## Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **15,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Jack County WWTP and Lift Station Flood-Proofing.**

ID# **031000150**

Sponsor (name of entity, not person) **Jack County**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

## Study Details

Study type **Project Planning**

Study description **Evaluate alternatives to flood-proof sewage treatment plans in flood hazard / low-lying areas. Raise electrical components of sewage lift stations above the BFE.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Jack** Watershed HUC# (if known) **120200010701,120302010702,120302010703**

Drainage area (Square miles, est.) **917** Goal(s) **03000019, 03000020**

## 100-Year Flood Risk Summary

Population at risk **230** # of structures **265** Critical facilities **0**

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

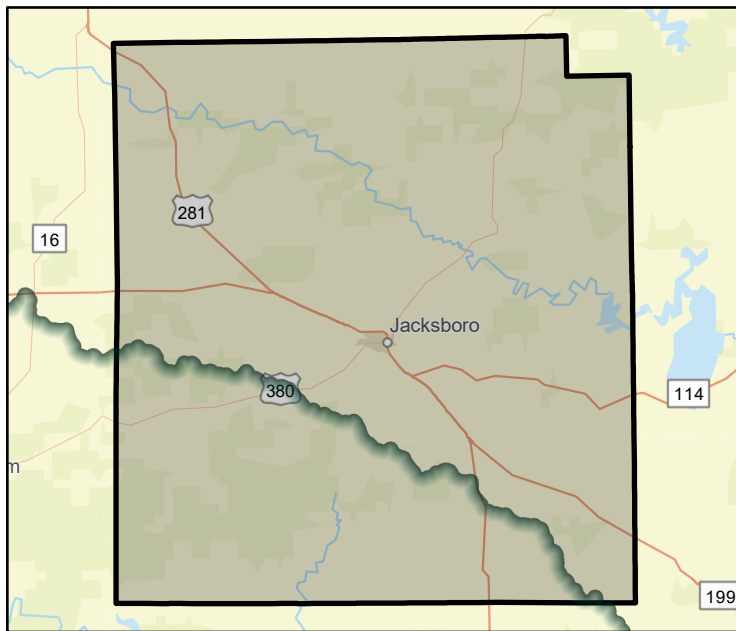
Farm/Ranch land impacted (acres) **32,106** Roadway(s) impacted (length) **55**

Number of low water crossings **6** Historical road closures **-**

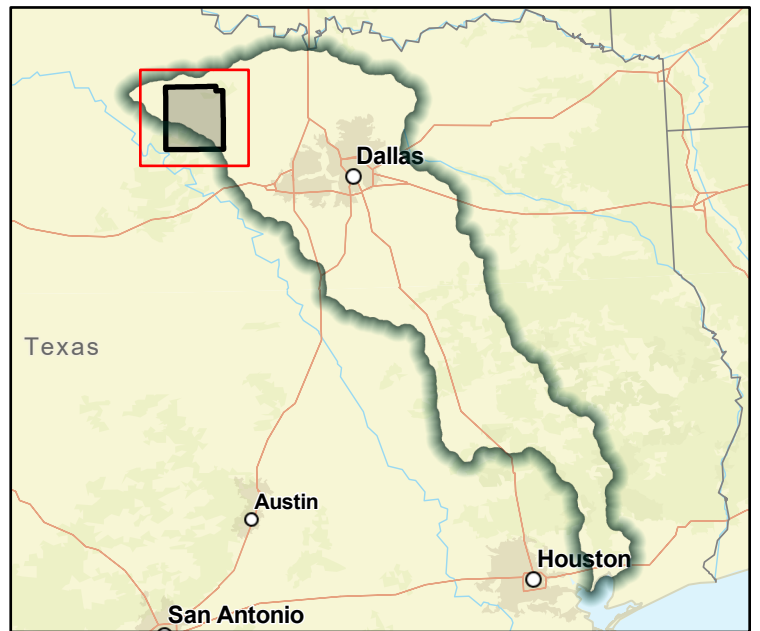
## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **25,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **County Rd 125 Automatic Warning Barricade Installation**

ID# **031000151**

Sponsor (name of entity, not person) **Kaufman County**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

## Study Details

Study type **Project Planning**

Study description **Evaluate alternatives to install automatic warning barricades at County Rd 125 low-water crossing**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Kaufman** Watershed HUC# (if known) **120301070205,120301070202,120301070201,120301070106,120301070**

Drainage area (Square miles, est.) **23** Goal(s) **03000003, 03000004**

## 100-Year Flood Risk Summary

Population at risk **56** # of structures **76** Critical facilities **0**

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

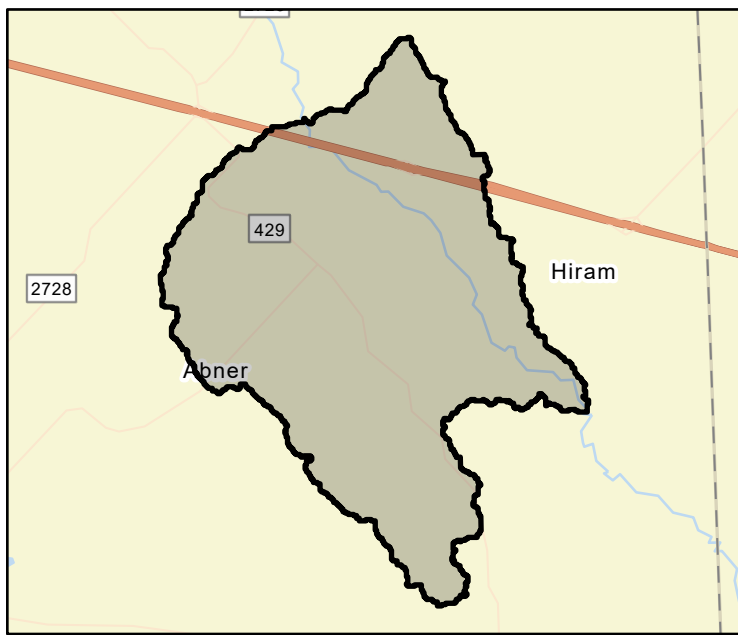
Farm/Ranch land impacted (acres) **1,409** Roadway(s) impacted (length) **1**

Number of low water crossings **0** Historical road closures **-**

## Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **5,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Liberty WWTP Levee Study**

ID# **031000152**

Sponsor (name of entity, not person) **Liberty**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

## Study Details

Study type **Project Planning**

Study description **Study to evaluate constructing levee floodwall around waste water treatment plant**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Liberty** Watershed HUC# (if known) **120302030203,120302030301,120302030305,120302030302,120302030**

Drainage area (Square miles, est.) **42** Goal(s) **03000019, 03000020**

## 100-Year Flood Risk Summary

Population at risk **1,105** # of structures **493** Critical facilities **28**

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

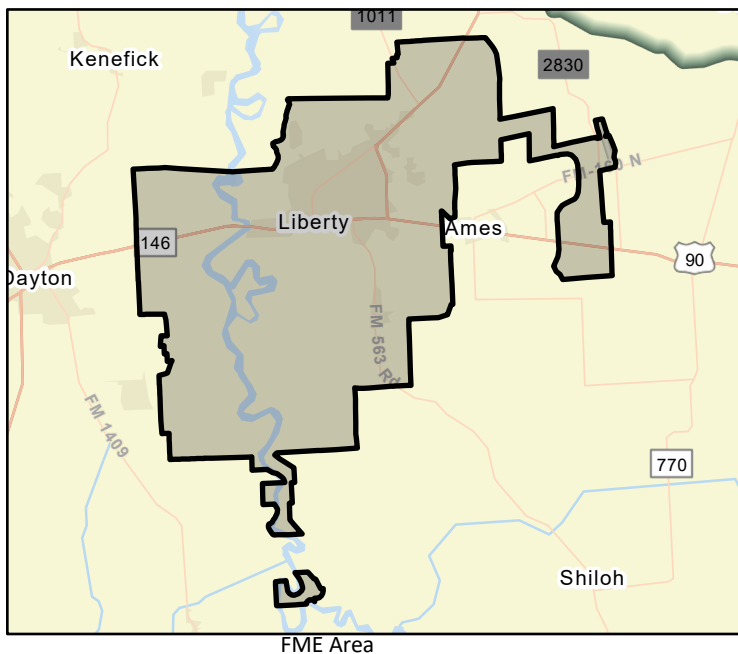
Farm/Ranch land impacted (acres) **3,323** Roadway(s) impacted (length) **34**

Number of low water crossings **3** Historical road closures **-**

## Estimated Cost and Funding Availability

Total Cost **\$80,000** Amount of Available Funding **8,000** Federal funding availability **Yes**

Funding source **Local, State**



# Flood Management Evaluation (FME)



Title **Liberty County Re-canalization**

ID# **031000153**

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

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

## Study Details

Study type **Project Planning**

Study description **Evaluate alternatives to dechannelize existing feeder creeks that flow from north to south and improve drainage for storm water runoff**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Liberty** Watershed HUC# (if known) **120301020606,120301020607,120301020702**

Drainage area (Square miles, est.) **1,169** Goal(s) **03000029, 03000030**

## 100-Year Flood Risk Summary

Population at risk **12,221** # of structures **8,682** Critical facilities **87**

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

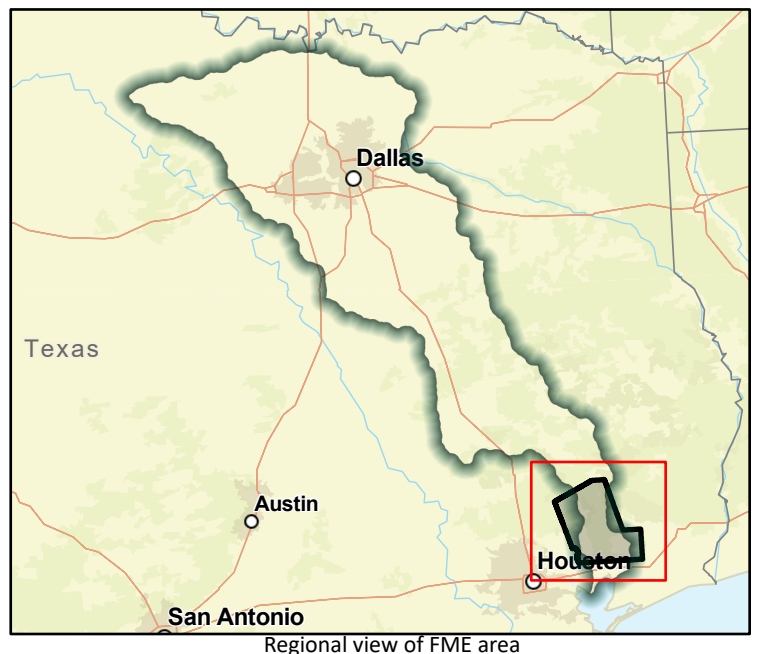
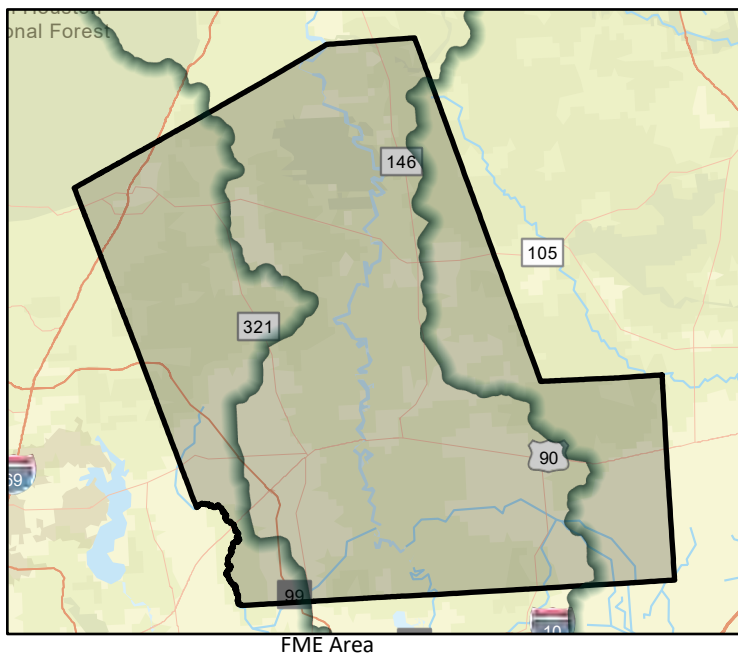
Farm/Ranch land impacted (acres) **71,162** Roadway(s) impacted (length) **257**

Number of low water crossings **6** Historical road closures **-**

## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **50,000** Federal funding availability **Yes**

Funding source **Local, State**



# Flood Management Evaluation (FME)



Title **Liberty County Culverts Upgrades**

ID# **031000154**

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

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

## Study Details

Study type **Project Planning**

Study description **Evaluate alternatives to reduce flooding by increasing size of culverts to 24 inches on County Rd 2361, 2362, 2363, and 2364 and CR 2358**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Liberty** Watershed HUC# (if known) **120302030109**

Drainage area (Square miles, est.) **4** Goal(s) **03000003, 03000004, 03000029, 03000030**

## 100-Year Flood Risk Summary

Population at risk **0** # of structures **0** Critical facilities **0**

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

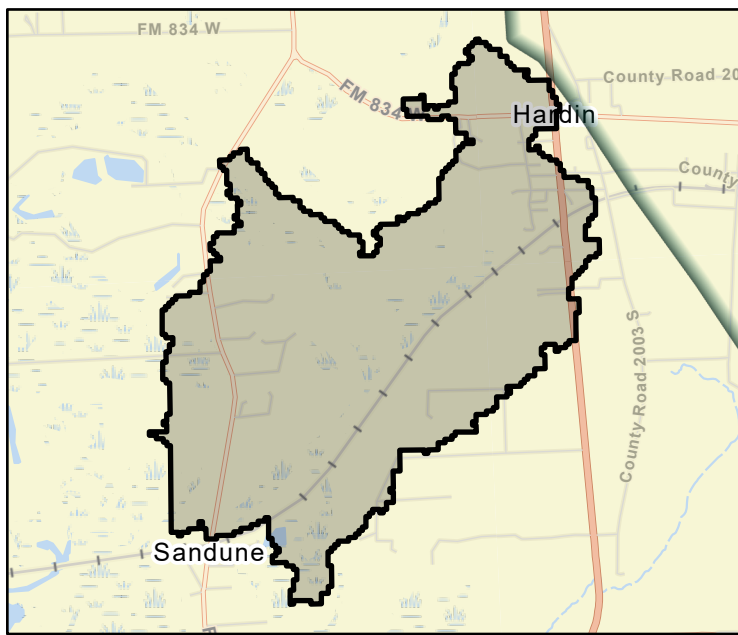
Farm/Ranch land impacted (acres) **287** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **-**

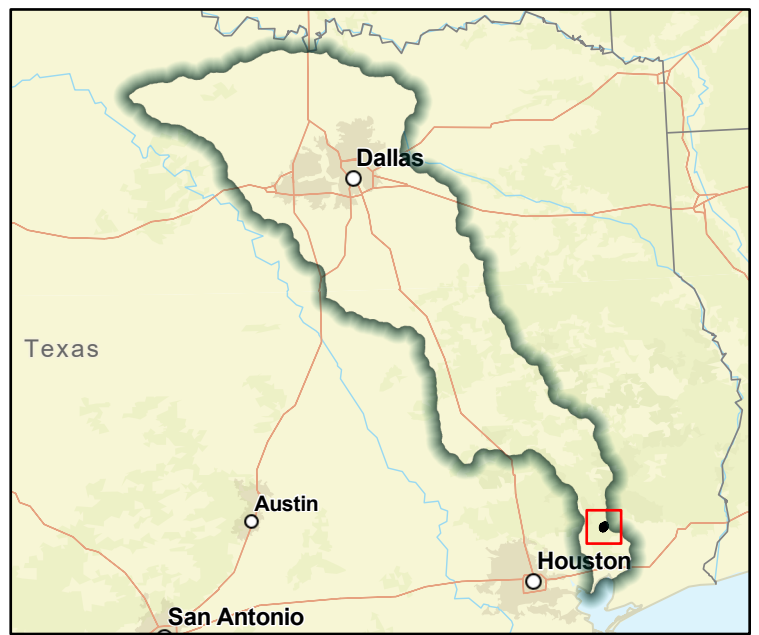
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **10,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **County Rd 2331 Re-Routing**

ID# **031000155**

Sponsor (name of entity, not person) **Dayton Lake Estates**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

## Study Details

Study type **Project Planning**

Study description **Evaluate alternatives to re-route County Rd 2331 to area not prone to flooding**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Liberty** Watershed HUC# (if known) **120302030301,120302030109,120302030108**

Drainage area (Square miles, est.) **6** Goal(s) **03000013, 03000014, 03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **4** # of structures **15** Critical facilities **0**

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

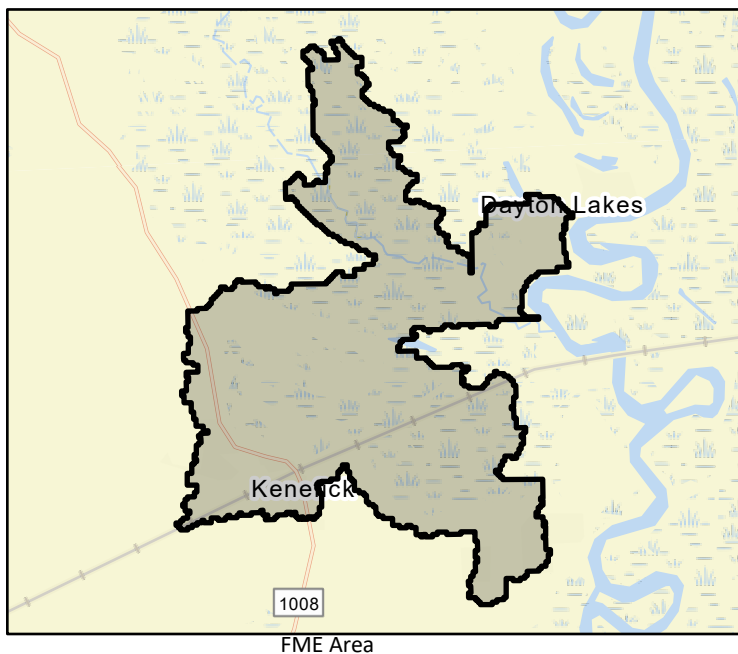
Farm/Ranch land impacted (acres) **176** Roadway(s) impacted (length) **4**

Number of low water crossings **0** Historical road closures **-**

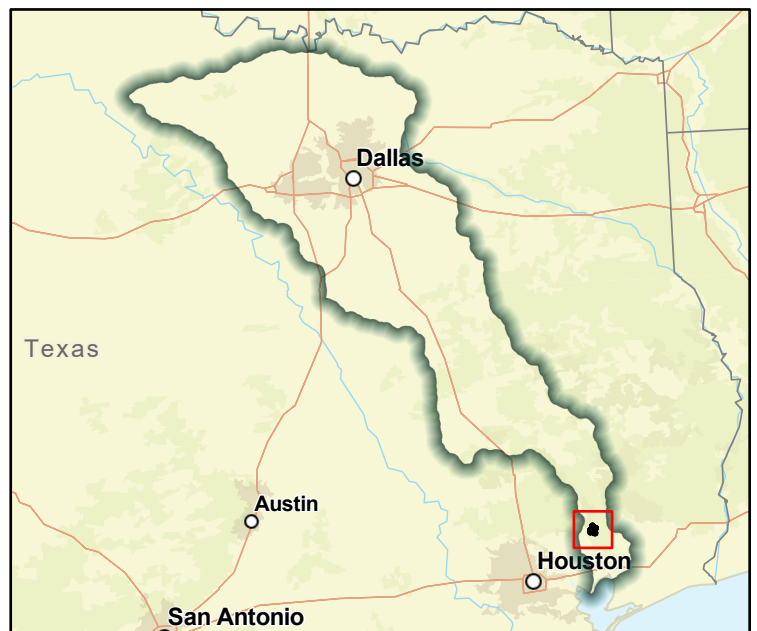
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **10,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Polk County Road and Drainage Improvements**

ID# **031000157**

Sponsor (name of entity, not person) **Polk County**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

## Study Details

Study type **Project Planning**

Study description **Evaluate road elevation and drainage improvements.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Polk** Watershed HUC# (if known) **120301030604,120301030602,120301030603,120301030405**

Drainage area (Square miles, est.) **1,106** Goal(s) **03000003, 03000004, 03000029, 03000030**

## 100-Year Flood Risk Summary

Population at risk **5,167** # of structures **3,485** Critical facilities **31**

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

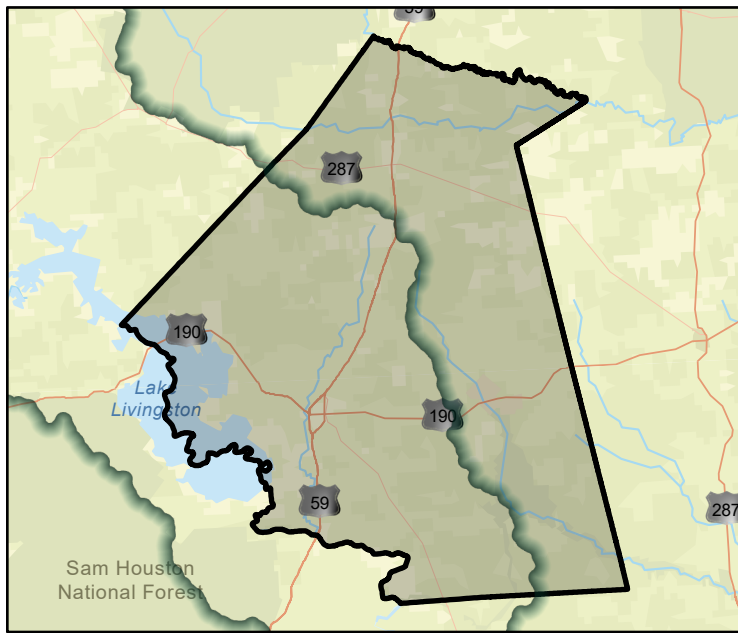
Farm/Ranch land impacted (acres) **15,994** Roadway(s) impacted (length) **92**

Number of low water crossings **3** Historical road closures **-**

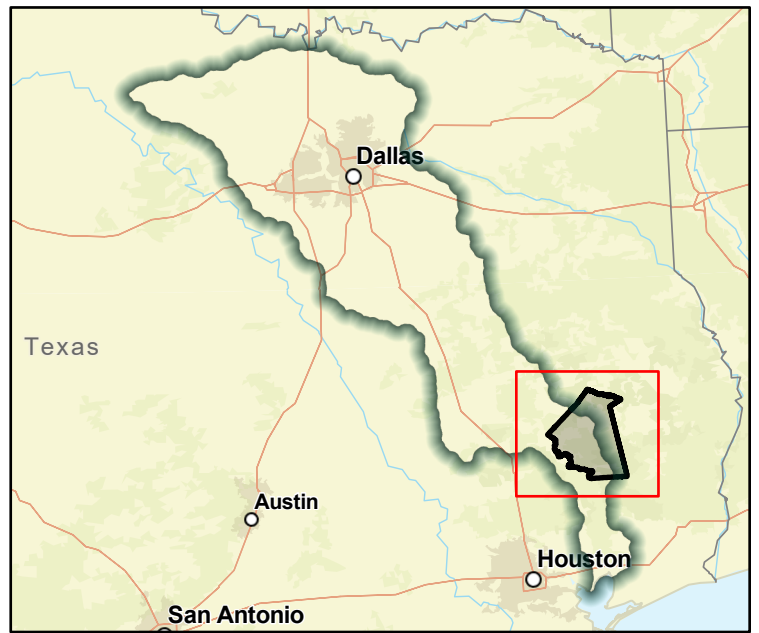
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **100,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Seven Oaks Drainage Ditches**

ID# **031000158**

Sponsor (name of entity, not person) **Seven Oaks**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

## Study Details

Study type **Project Planning**

Study description **Evaluate drainage ditch along city streets Camp Rd, Pickens Loop, Franklin Rd, Austin Street, and Hunt Street**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Polk** Watershed HUC# (if known) **120302021003,120200060101,120302021001**

Drainage area (Square miles, est.) **8** Goal(s) **03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **10** # of structures **6** Critical facilities **0**

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

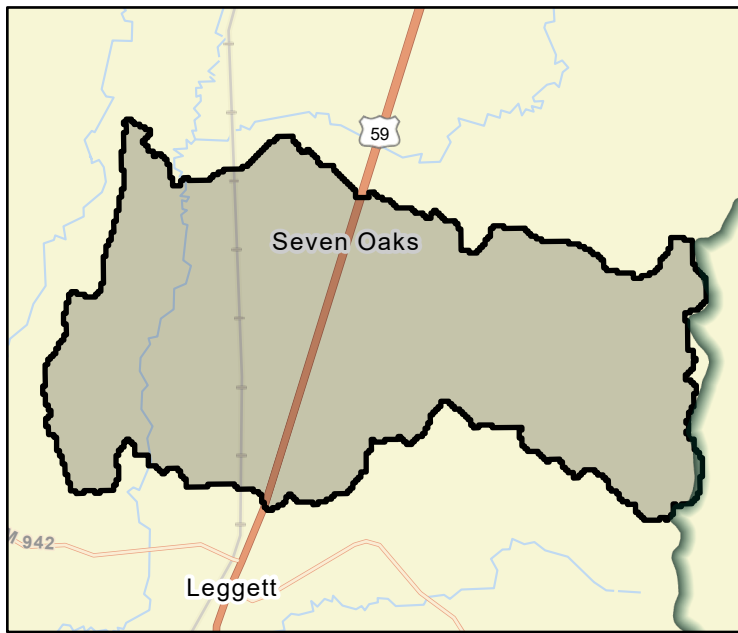
Farm/Ranch land impacted (acres) **552** Roadway(s) impacted (length) **1**

Number of low water crossings **0** Historical road closures **-**

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **10,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Old 35 Sover Sampson Creek Bridge Elevation**

ID# **031000159**

Sponsor (name of entity, not person) **Goodrich**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

## Study Details

Study type **Project Planning**

Study description **Evaluate alternatives to elevate bridge on Old 35 Sover Sampson Creek**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Polk** Watershed HUC# (if known) **120302021006,120302021202**

Drainage area (Square miles, est.) **5** Goal(s) **03000003, 03000004**

## 100-Year Flood Risk Summary

Population at risk **27** # of structures **46** Critical facilities **1**

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

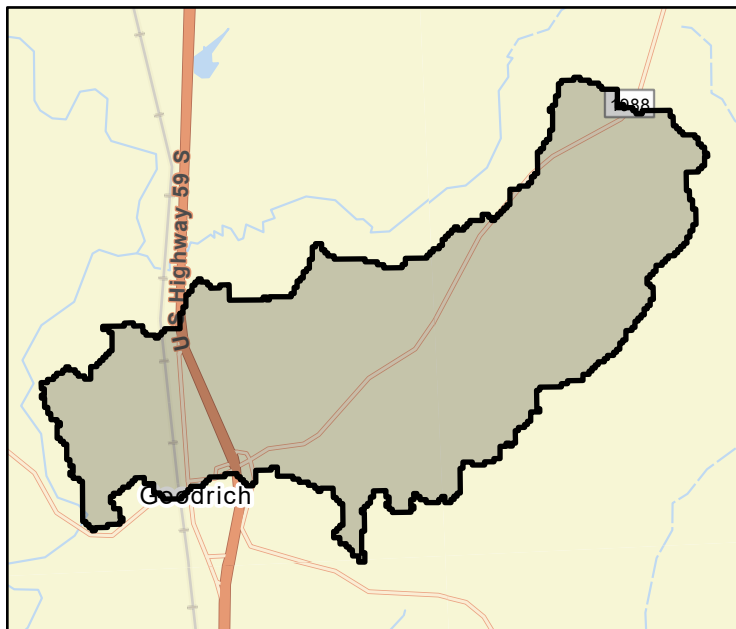
Farm/Ranch land impacted (acres) **29** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **-**

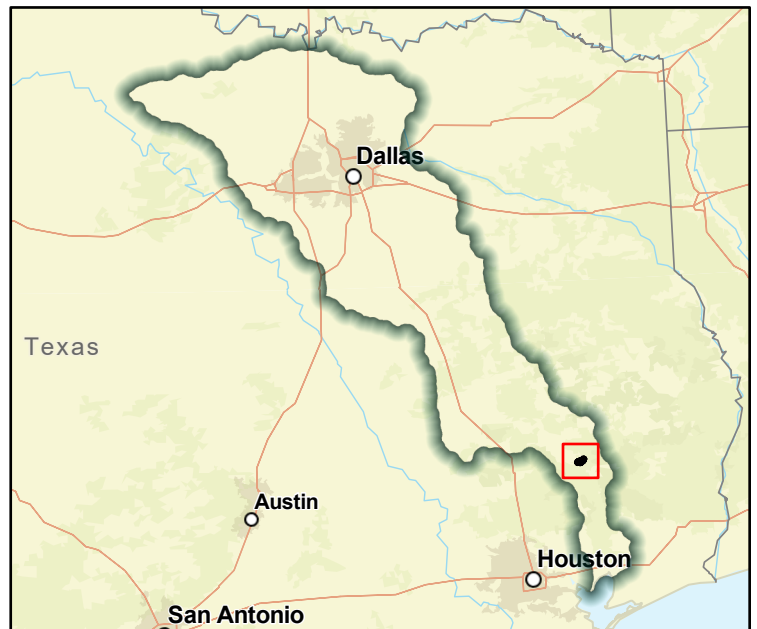
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **10,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Pennington Rd Culverts**

ID# **031000160**

Sponsor (name of entity, not person) **Goodrich**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

## Study Details

Study type **Project Planning**

Study description **Evaluate alternatives to install multiple culverts under Pennington Rd**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Polk** Watershed HUC# (if known) **120302021006,120302021202**

Drainage area (Square miles, est.) **5** Goal(s) **03000003, 03000004, 03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **27** # of structures **46** Critical facilities **1**

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

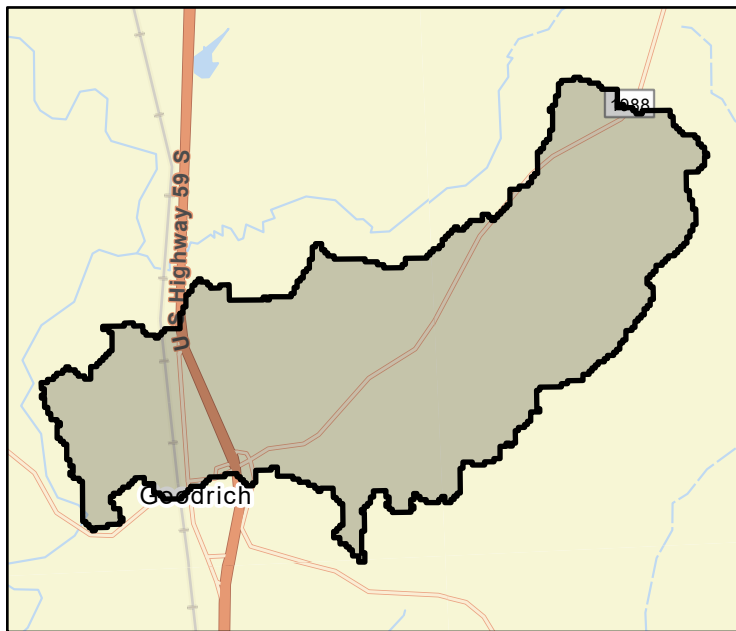
Farm/Ranch land impacted (acres) **29** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **-**

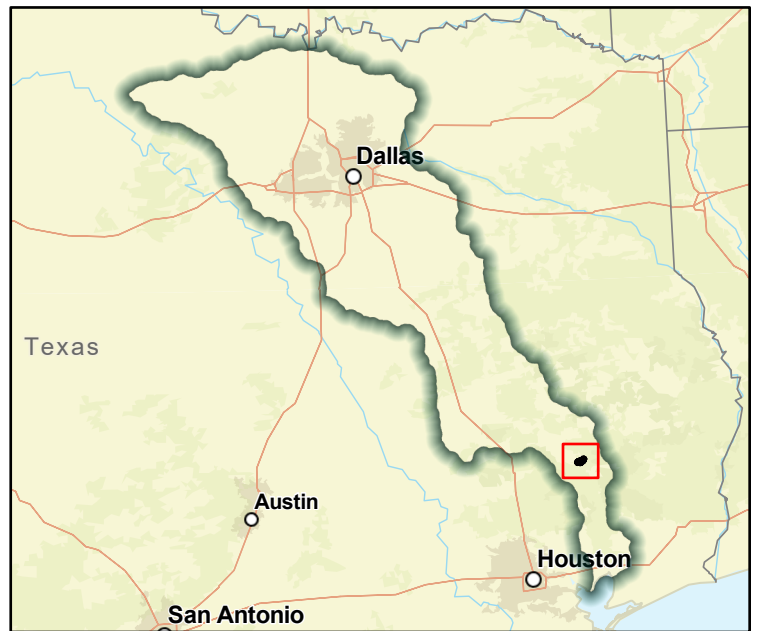
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **10,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Seven Oaks Culvert Installation**

ID# **031000161**

Sponsor (name of entity, not person) **Seven Oaks**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

## Study Details

Study type **Project Planning**

Study description **Evaluate alternatives to install multiple new culverts under Camp Rd, Pickens Loop, and Franklin Rd**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Polk** Watershed HUC# (if known) **120302021003,120200060101,120302021001**

Drainage area (Square miles, est.) **8** Goal(s) **03000003, 03000004, 03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **10** # of structures **6** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **552** Roadway(s) impacted (length) **1**

Number of low water crossings **0** Historical road closures **-**

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **10,000** Federal funding availability **Yes**

Funding source **Local, State**



# Flood Management Evaluation (FME)



Title **San Jacinto County Drainage and Conveyance Capacity Improvements**

ID# **031000162**

Sponsor (name of entity, not person) **Shepherd, San Jacinto County**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

## Study Details

Study type **Project Planning**

Study description **Evaluate alternatives to improve drainage and conveyance capacity for Big Creek.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **San Jacinto** Watershed HUC# (if known) **120301020607,120301020706,120301020705**

Drainage area (Square miles, est.) **626** Goal(s) **03000029, 03000030**

## 100-Year Flood Risk Summary

Population at risk **3,161** # of structures **2,637** Critical facilities **13**

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

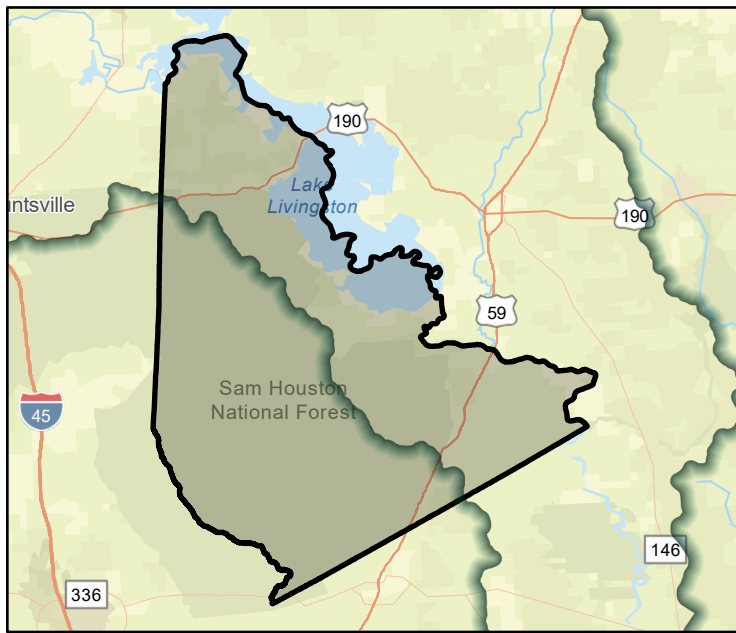
Farm/Ranch land impacted (acres) **11,299** Roadway(s) impacted (length) **83**

Number of low water crossings **0** Historical road closures **-**

## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **25,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Rock Creek Road Improvements**

ID# **031000163**

Sponsor (name of entity, not person) **San Jacinto County, Shepherd**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

## Study Details

Study type **Project Planning**

Study description **Evaluate alternatives to mitigate repetitive damages to Rocky Creek Rd sustained between 2015 - Present**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **San Jacinto** Watershed HUC# (if known) **120302021105,120401030307**

Drainage area (Square miles, est.) **4** Goal(s) **03000003, 03000004, 03000029, 03000030**

## 100-Year Flood Risk Summary

Population at risk **39** # of structures **32** Critical facilities **0**

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

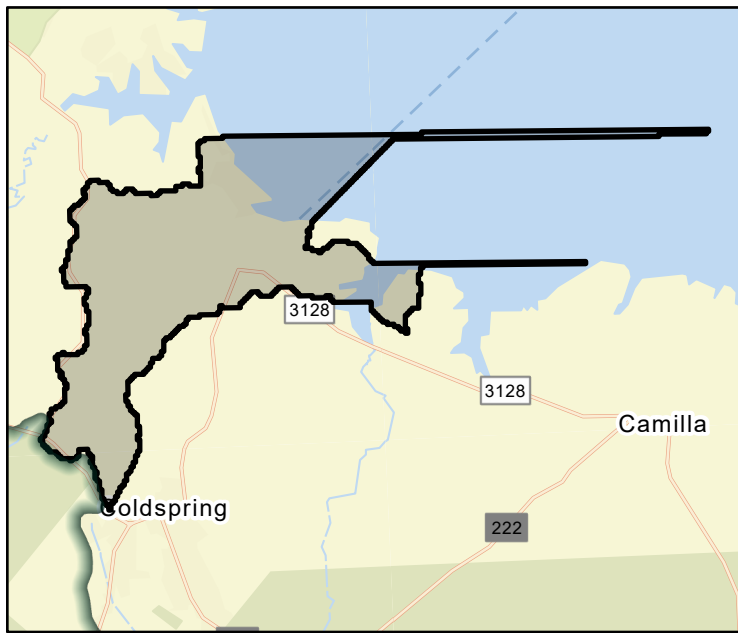
Farm/Ranch land impacted (acres) **17** Roadway(s) impacted (length) **1**

Number of low water crossings **0** Historical road closures **-**

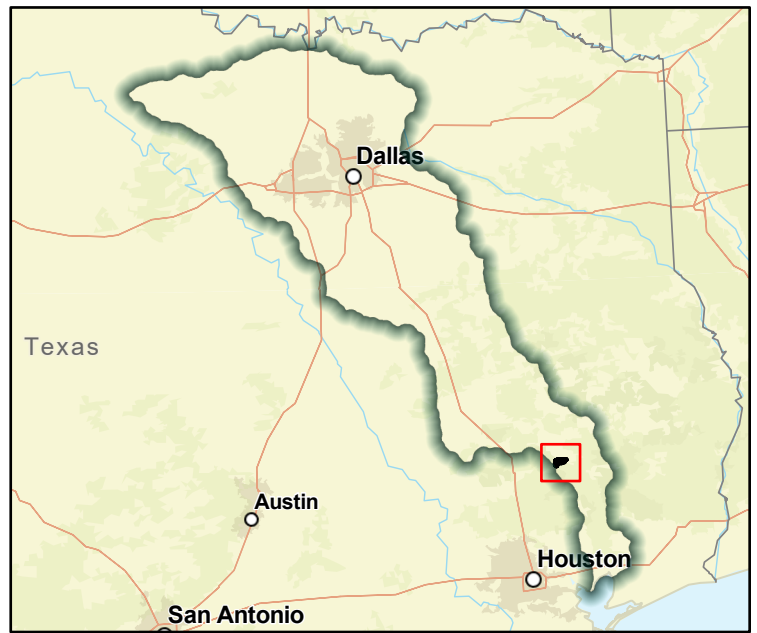
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **10,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Chipmunk Rd Culverts Replacement**

ID# **031000164**

Sponsor (name of entity, not person) **San Jacinto County, Shepherd**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

## Study Details

Study type **Project Planning**

Study description **Evaluate alternatives to replace Chipmunk Rd culverts with a bridge**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **San Jacinto** Watershed HUC# (if known) **120302030101,120302021207**

Drainage area (Square miles, est.) **4** Goal(s) **03000003, 03000004, 03000029, 03000030**

## 100-Year Flood Risk Summary

Population at risk **7** # of structures **8** Critical facilities **0**

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

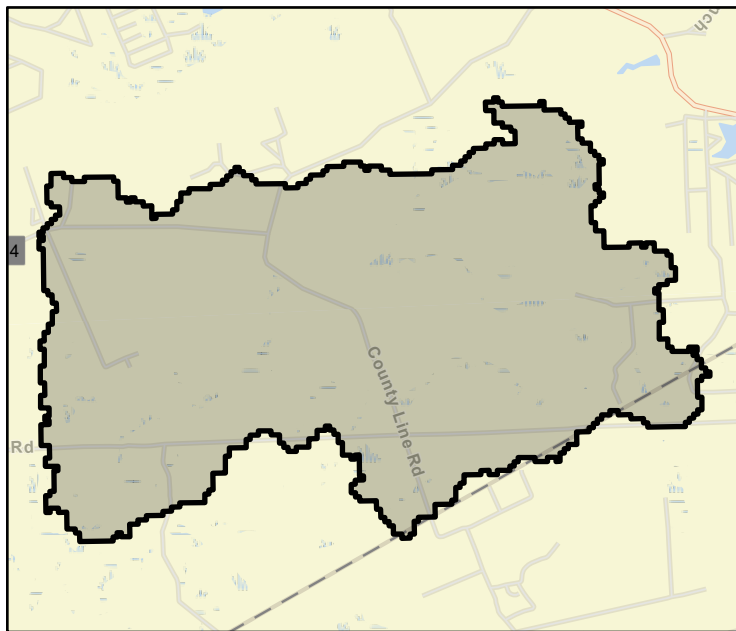
Farm/Ranch land impacted (acres) **150** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **-**

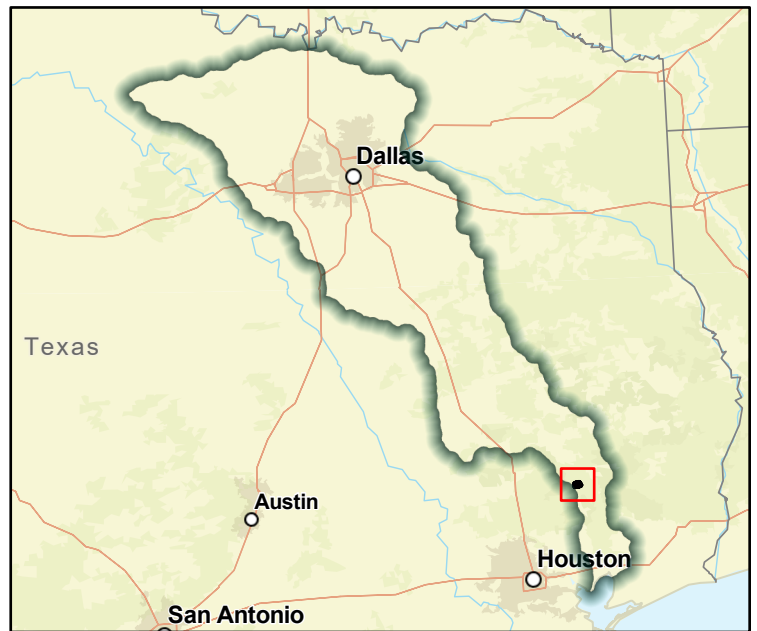
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **50,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Comanche Drive Culvert and Retention Wall Construction Feasibility Assessment**

ID# **031000165**

Sponsor (name of entity, not person) **Fort Worth**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

## Study Details

Study type **Project Planning**

Study description **Evaluate feasibility for building a larger culvert and retention wall for watershed over low crossing on Comanche Drive**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Tarrant** Watershed HUC# (if known) **120301020105,120301020501,120301020104,120301020101**

Drainage area (Square miles, est.) **10** Goal(s) **03000003, 03000004**

## 100-Year Flood Risk Summary

Population at risk **416** # of structures **294** Critical facilities **0**

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

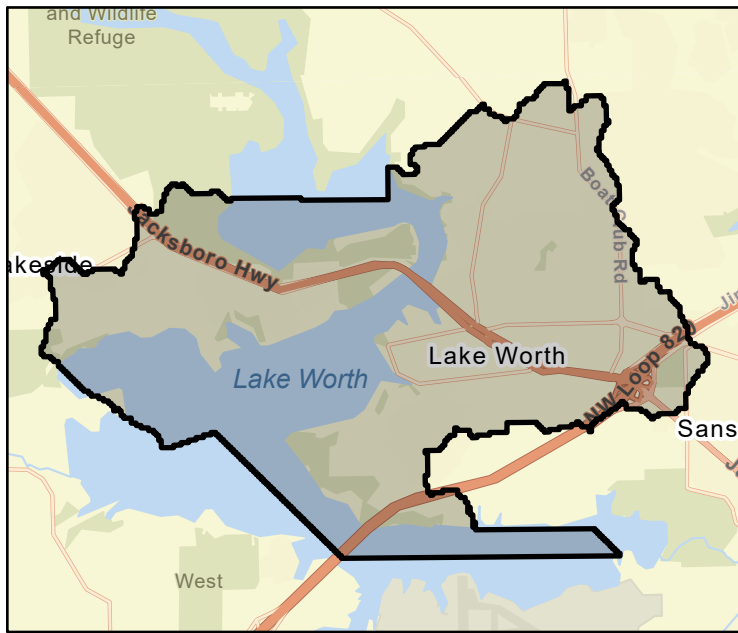
Farm/Ranch land impacted (acres) **63** Roadway(s) impacted (length) **4**

Number of low water crossings **0** Historical road closures **-**

## Estimated Cost and Funding Availability

Total Cost **\$60,000** Amount of Available Funding **6,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Lower Hardisty Storm Drain Improvements**

ID# **031000167**

Sponsor (name of entity, not person) **Richland Hills**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

## Study Details

Study type **Project Planning**

Study description **Evaluate alternatives for storm drain improvements**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Tarrant** Watershed HUC# (if known) **120301020504,120301020506,120301020704,120301020505,120301020**

Drainage area (Square miles, est.) **15** Goal(s) **03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **4,781** # of structures **933** Critical facilities **6**

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

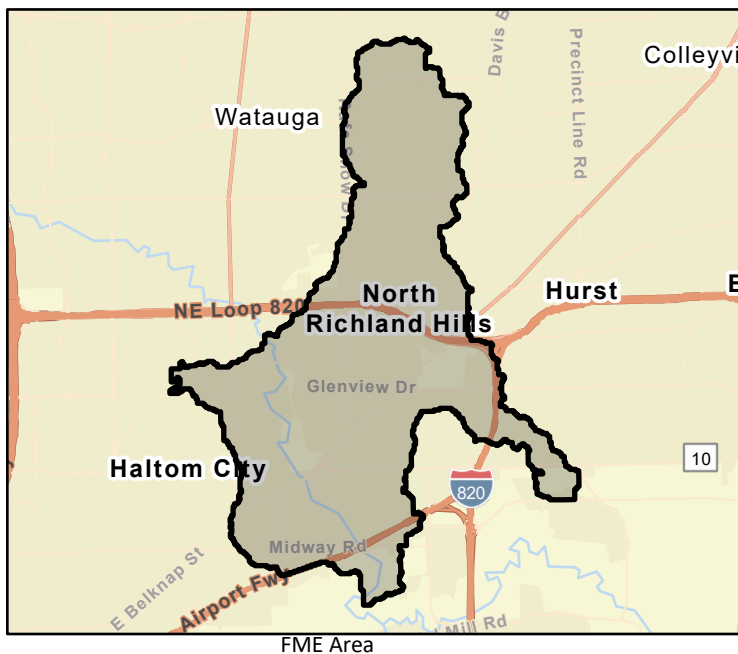
Farm/Ranch land impacted (acres) **37** Roadway(s) impacted (length) **21**

Number of low water crossings **25** Historical road closures **-**

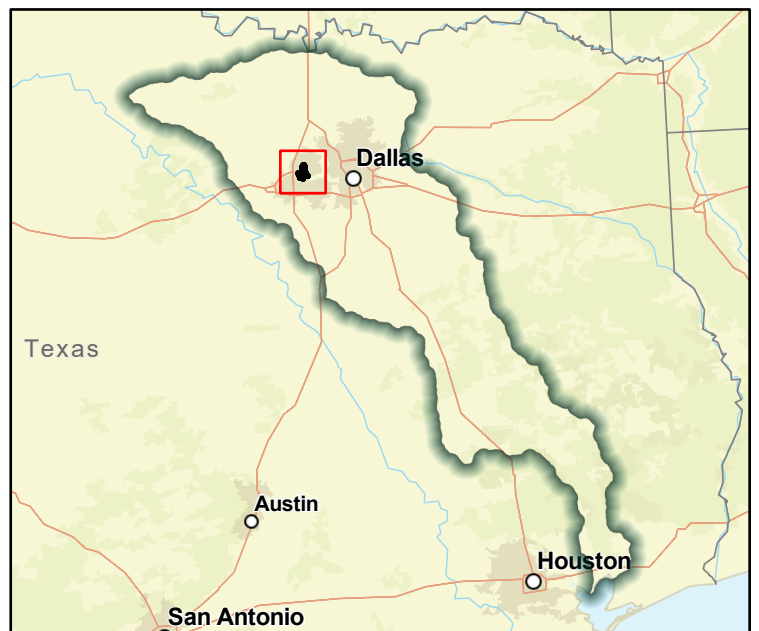
## Estimated Cost and Funding Availability

Total Cost **\$125,000** Amount of Available Funding **0** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Big Bear Creek, Little Bear Creek, and Marshall Branch Stream Bank Erosion Study**

ID# **031000168**

Sponsor (name of entity, not person) **Keller**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

## Study Details

Study type **Project Planning**

Study description **Study to reduce stream bank erosion impacts along Big Bear Creek, Little Bear Creek, and Marshall Branch to improve drainage within the City of Keller**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Denton, Montague, Tarrant, Wise** Watershed HUC# (if known) **120301020504,120301020506,120301020704,120301020505,120301020**

Drainage area (Square miles, est.) **735** Goal(s) **03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **8,089** # of structures **1,369** Critical facilities **18**

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

Farm/Ranch land impacted (acres) **28,754** Roadway(s) impacted (length) **91**

Number of low water crossings **50** Historical road closures **-**

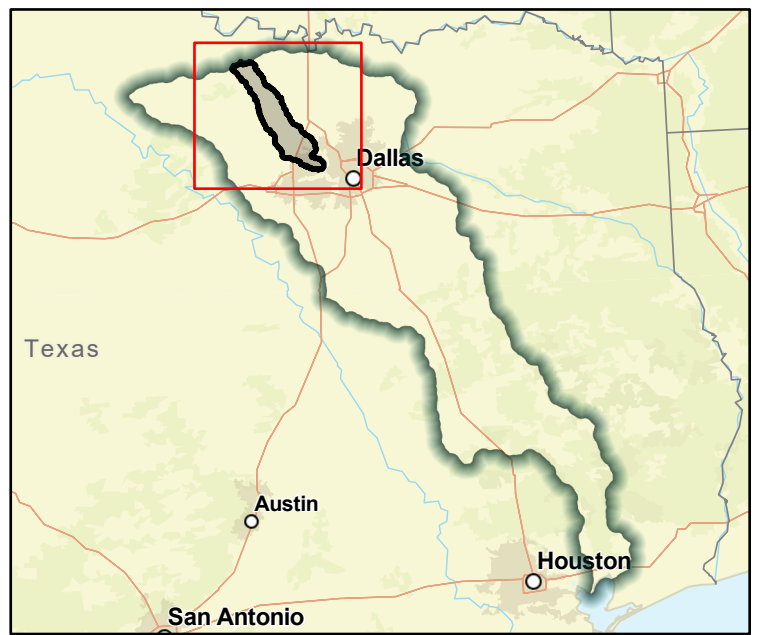
## Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **50,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Calloway Branch Erosion Control Study**

ID# **031000169**

Sponsor (name of entity, not person) **Hurst**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

## Study Details

Study type **Project Planning**

Study description **Evaluate erosion control measures in Calloway Branch to eliminate erosion of stream bank.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Tarrant** Watershed HUC# (if known) **120301020506,120301020704,120301020505,120301020701,120301020**

Drainage area (Square miles, est.) **28** Goal(s) **03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **3,457** # of structures **584** Critical facilities **5**

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

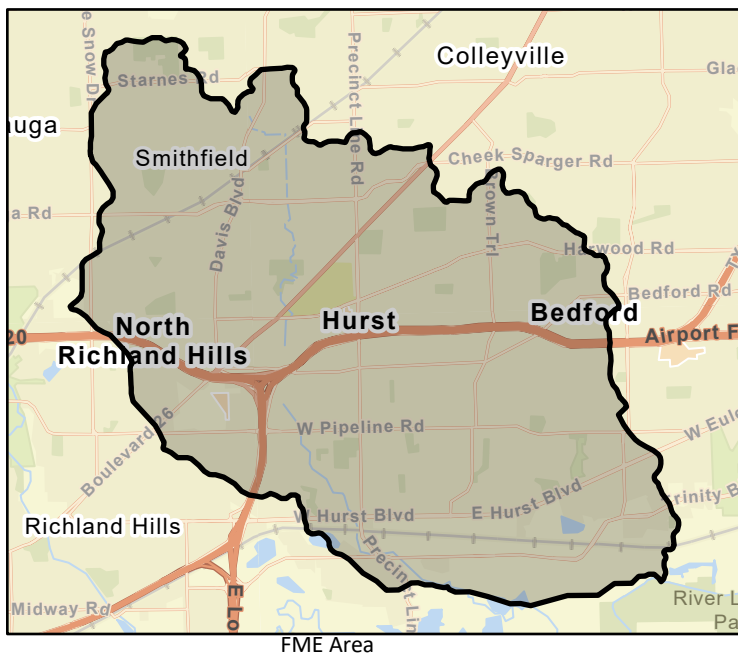
Farm/Ranch land impacted (acres) **335** Roadway(s) impacted (length) **22**

Number of low water crossings **25** Historical road closures **-**

## Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **5,000** Federal funding availability **Yes**

Funding source **Local, State**



# Flood Management Evaluation (FME)



Title **Mansfield Stream Stabilization Study**

ID# **031000170**

Sponsor (name of entity, not person) **Mansfield**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

## Study Details

Study type **Project Planning**

Study description **Evaluate alternatives to protect public infrastructure and private property from damages due to streambank erosion. Alternatives could include Saddlehorn/Walnut Creek sewer interceptor aerial crossing and Brookfield Hogpen sewer interceptor**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Tarrant** Watershed HUC# (if known) **120301020603,120301020601,120301020604,120301020605,120301020**

Drainage area (Square miles, est.) **36** Goal(s) **03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **2,492** # of structures **422** Critical facilities **4**

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

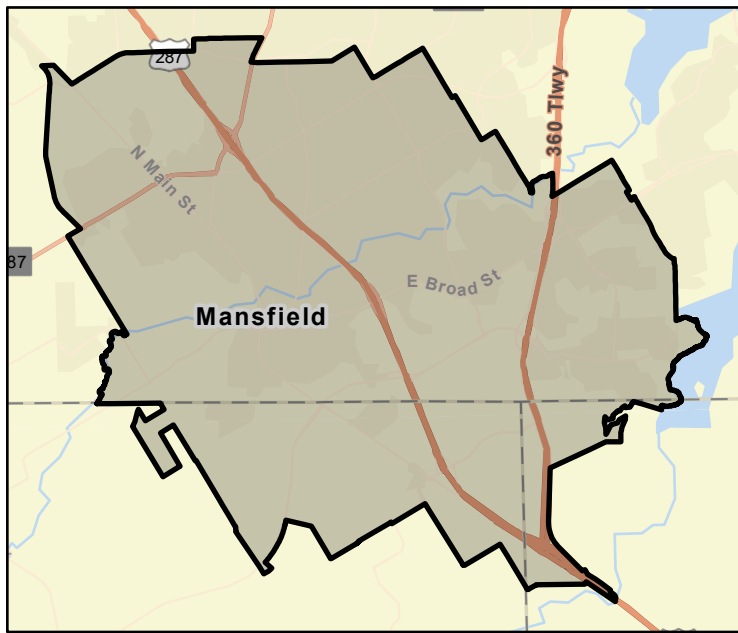
Farm/Ranch land impacted (acres) **779** Roadway(s) impacted (length) **30**

Number of low water crossings **12** Historical road closures **-**

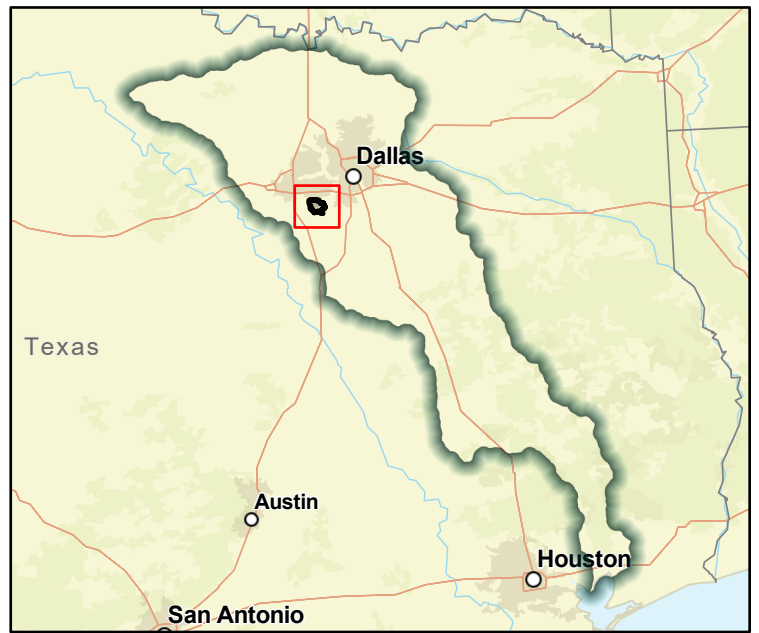
## Estimated Cost and Funding Availability

Total Cost **\$182,000** Amount of Available Funding **18,200** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area