

# Flood Management Evaluation (FME)



Title **Northlake & Castlewood Drainage Study Update**

ID# **031000116**

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

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

## Study Details

Study type **Project Planning**

Study description **Area 21**

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

County **Dallas** Watershed HUC# (if known) **120301060407,120301060408**

Drainage area (Square miles, est.) **4** Goal(s) **03000005, 03000006, 03000009, 03000010**

## 100-Year Flood Risk Summary

Population at risk **305** # of structures **69** Critical facilities **1**

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

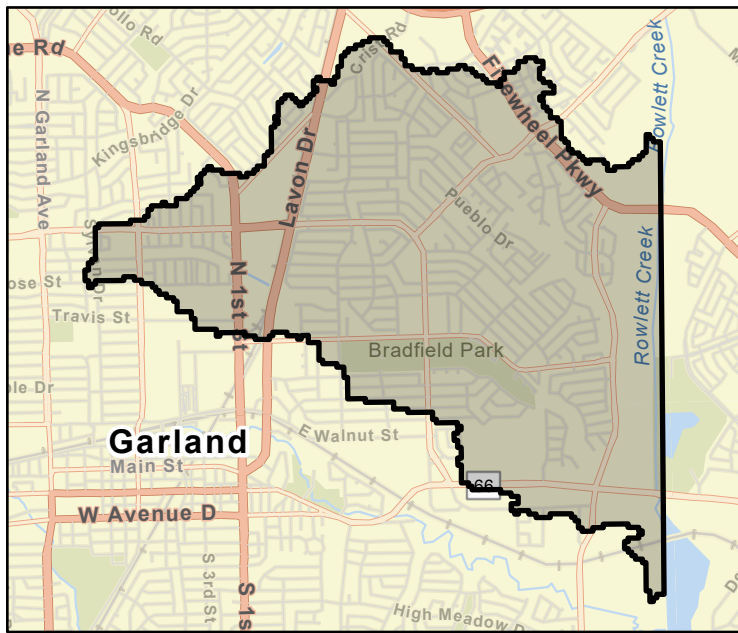
Farm/Ranch land impacted (acres) **96** Roadway(s) impacted (length) **2**

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

## Estimated Cost and Funding Availability

Total Cost **\$56,000** Amount of Available Funding **5,600** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Legend Drive Drainage Study Update  
 ID# 031000117  
 Sponsor (name of entity, not person) Garland  
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

## Study Details

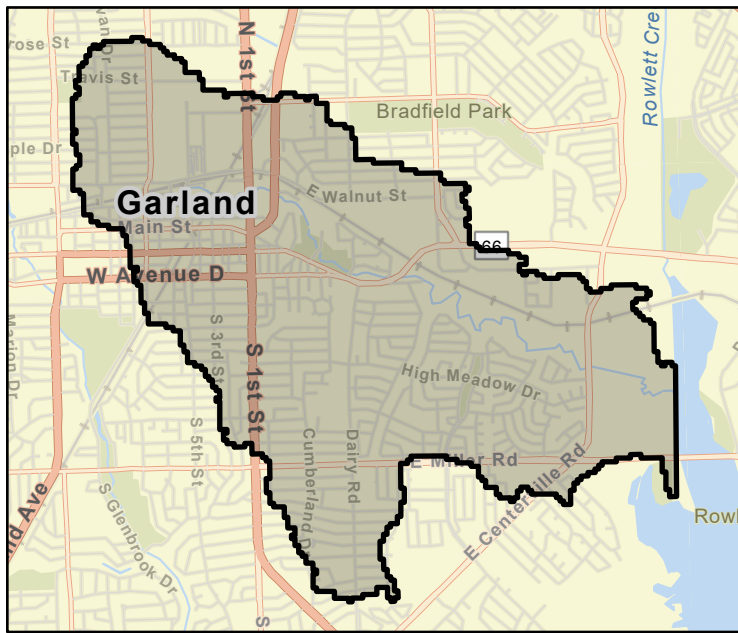
Study type Project Planning  
 Study description Area 22  
 New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes  
 County Dallas Watershed HUC# (if known) 120301060408,120301060501  
 Drainage area (Square miles, est.) 5 Goal(s) 03000005, 03000006, 03000009, 03000010

## 100-Year Flood Risk Summary

Population at risk 298 # of structures 40 Critical facilities 0  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No  
 Farm/Ranch land impacted (acres) 7 Roadway(s) impacted (length) 2  
 Number of low water crossings 5 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 Brazos Drive Drainage Study Update

ID# 031000118

Sponsor (name of entity, not person) Garland

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

## Study Details

Study type Project Planning

Study description Area 23

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

County Dallas Watershed HUC# (if known) 120301060408,120301060501

Drainage area (Square miles, est.) 6 Goal(s) 03000005, 03000006, 03000009, 03000010

## 100-Year Flood Risk Summary

Population at risk 863 # of structures 232 Critical facilities 2

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

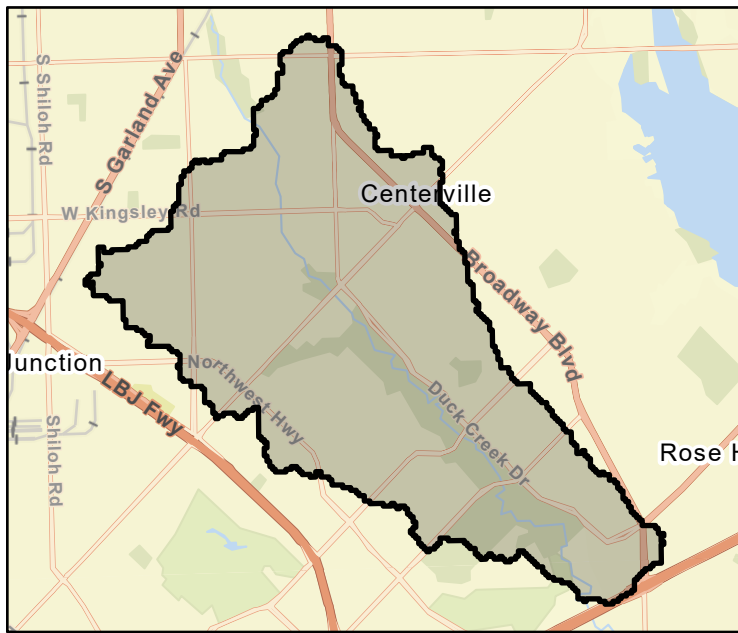
Farm/Ranch land impacted (acres) 45 Roadway(s) impacted (length) 4

Number of low water crossings 5 Historical road closures -

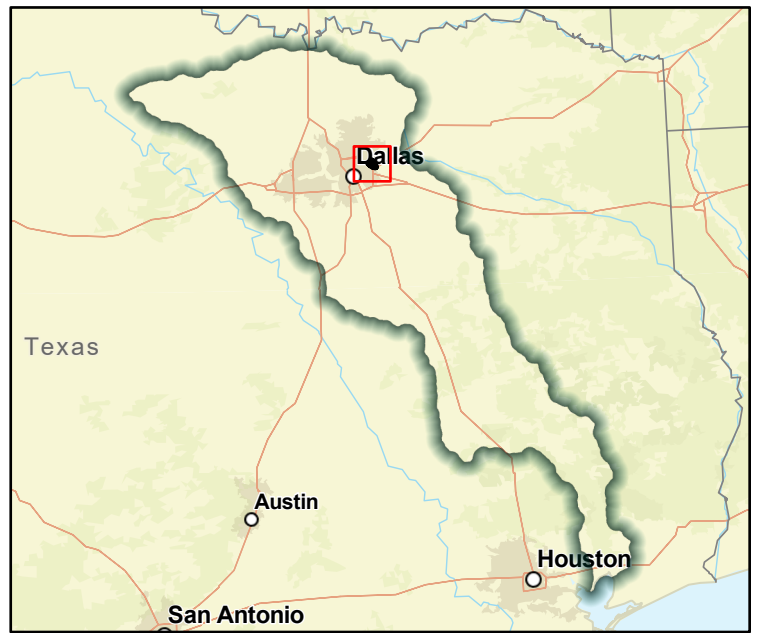
## Estimated Cost and Funding Availability

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 Sweetbriar-Glenrose Alley Drainage Study Update  
 ID# 031000119  
 Sponsor (name of entity, not person) Garland  
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

## Study Details

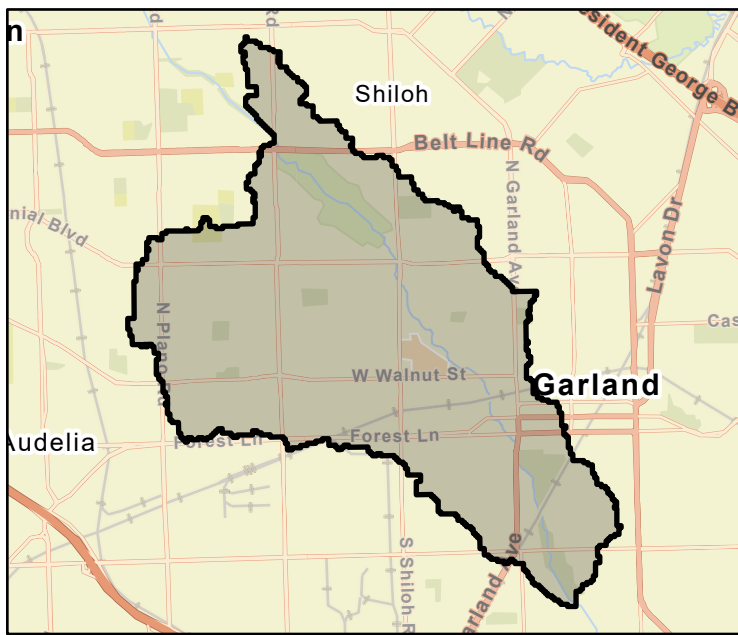
Study type Project Planning  
 Study description Area 26  
 New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes  
 County Dallas Watershed HUC# (if known) 120301060407,120301050105,120301060408,120301060501  
 Drainage area (Square miles, est.) 9 Goal(s) 03000005, 03000006, 03000009, 03000010

## 100-Year Flood Risk Summary

Population at risk 4,259 # of structures 308 Critical facilities 4  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No  
 Farm/Ranch land impacted (acres) 1 Roadway(s) impacted (length) 7  
 Number of low water crossings 7 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 **Mc Adams Ditch Feasibility Study**

ID# **031000120**

Sponsor (name of entity, not person) **Chambers 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 for improvements to Mc Adams Ditch (crosses FM 3180 South).**

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

County **Chambers** Watershed HUC# (if known) **120302030307,120402030106,120402030200**

Drainage area (Square miles, est.) **3** Goal(s) **03000029, 03000030**

## 100-Year Flood Risk Summary

Population at risk **241** # of structures **106** Critical facilities **0**

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

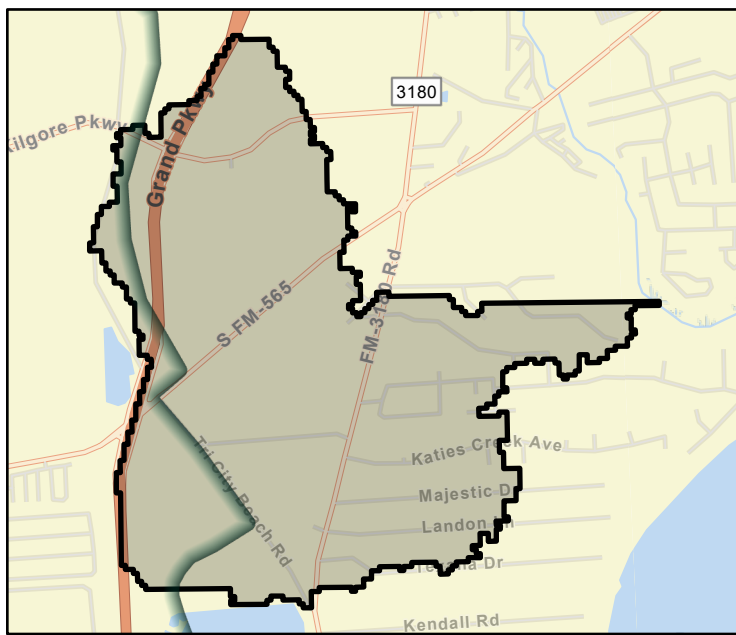
Farm/Ranch land impacted (acres) **551** Roadway(s) impacted (length) **2**

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

## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **375,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Hackberry Gully and Cotton Bayou Shelving Study  
 ID# 031000122  
 Sponsor (name of entity, not person) Chambers County  
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

## Study Details

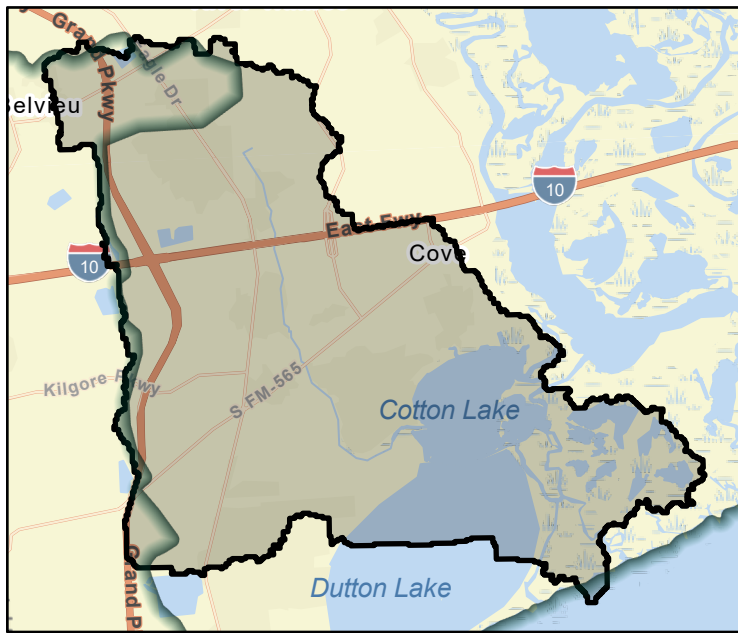
Study type Project Planning  
 Study description Evaluate shelving the entire length of Hackberry Gully and Cotton Bayou from South of I-10 to Cotton Lake; thereby increasing their flow capacity.  
 New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes  
 County Chambers Watershed HUC# (if known) 120402030105,120302030307,120402030106,120402030200,120302030  
 Drainage area (Square miles, est.) 25 Goal(s) 03000027, 03000028, 03000029, 03000030

## 100-Year Flood Risk Summary

Population at risk 5,159 # of structures 1,037 Critical facilities 12  
 Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? No  
 Farm/Ranch land impacted (acres) 1,545 Roadway(s) impacted (length) 14  
 Number of low water crossings 0 Historical road closures -

## Estimated Cost and Funding Availability

Total Cost \$1,250,000 Amount of Available Funding 125,000 Federal funding availability Yes  
 Funding source Local, State



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Collin County Retention Structures Rehabilitation Project**

ID# **031000123**

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

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

## Study Details

Study type **Project Planning**

Study description **Conduct hazard/vulnerability assessment and inundation study on NRCS flood retention structures and rehabilitate structures found to be a high hazard.**

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

County **Collin** Watershed HUC# (if known) **120402030105,120302030307,120402030106,120402030200,120302030**

Drainage area (Square miles, est.) **883** Goal(s) **03000009, 03000010, 03000013, 03000014, 03000033, 03000034**

## 100-Year Flood Risk Summary

Population at risk **17,576** # of structures **2,842** Critical facilities **26**

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

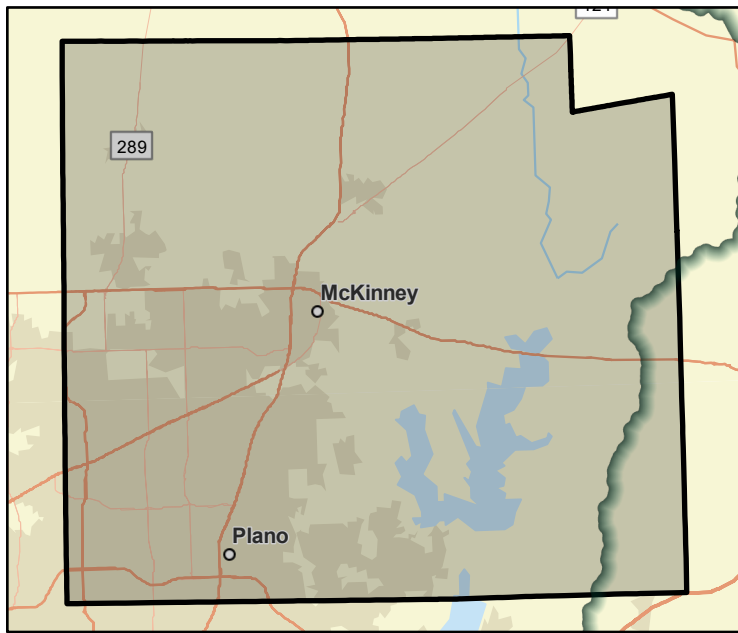
Farm/Ranch land impacted (acres) **34,154** Roadway(s) impacted (length) **146**

Number of low water crossings **55** Historical road closures **-**

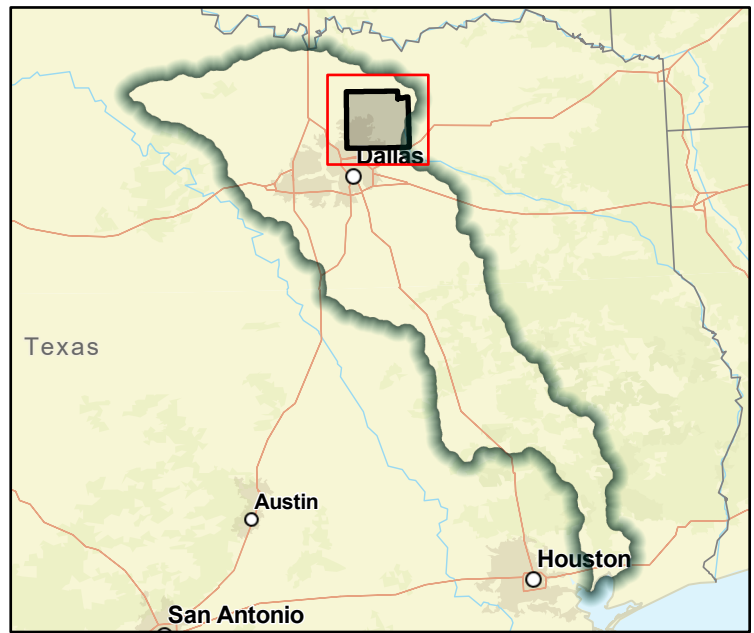
## Estimated Cost and Funding Availability

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 **Cooke County Low-Water Crossing Barriers Evaluation**

ID# **031000125**

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

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

## Study Details

Study type **Project Planning**

Study description **Evaluate installation of automatic flood crossing barriers at low water crossing to prevent automobiles from driving through high water.**

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

County **Cooke** Watershed HUC# (if known) **120301060406,120301060403,120301060405**

Drainage area (Square miles, est.) **893** Goal(s) **03000003, 03000004**

## 100-Year Flood Risk Summary

Population at risk **2,077** # of structures **1,328** Critical facilities **6**

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

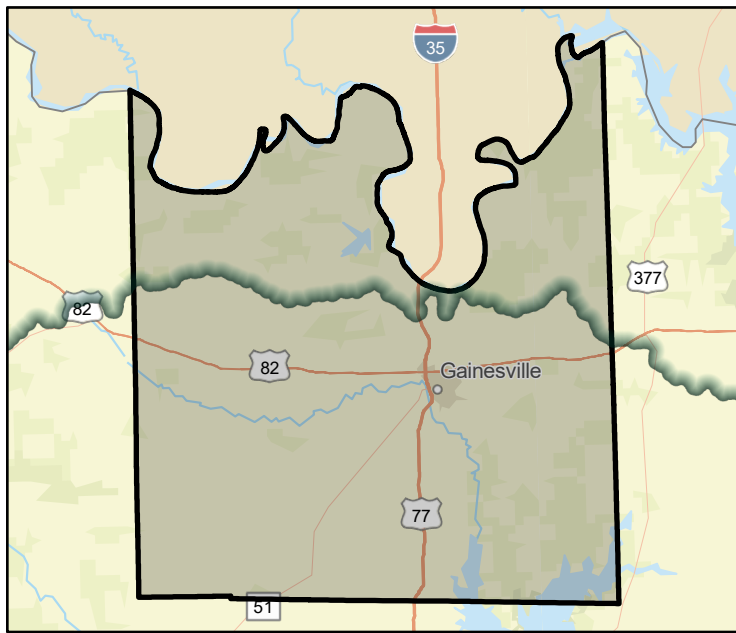
Farm/Ranch land impacted (acres) **40,870** Roadway(s) impacted (length) **81**

Number of low water crossings **32** Historical road closures **-**

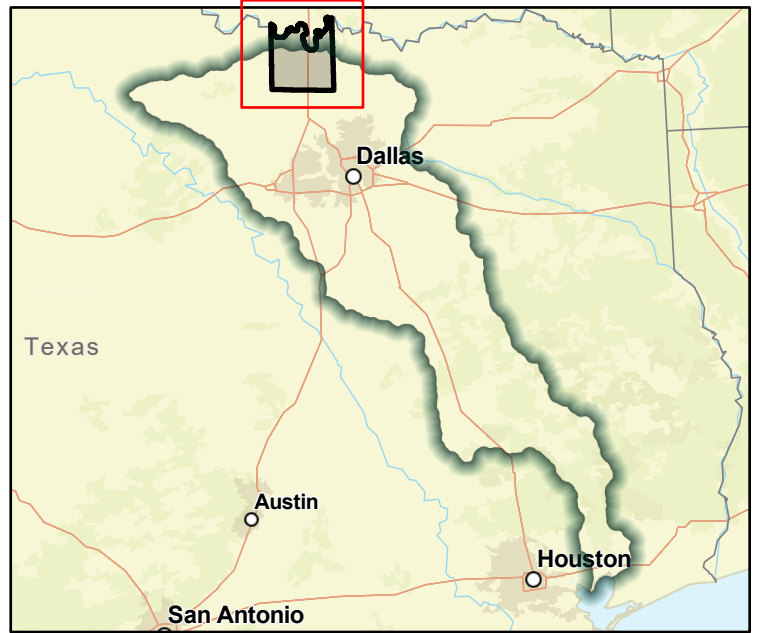
## Estimated Cost and Funding Availability

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 **Wheeler Creek Channelization Study**

ID# **031000126**

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

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

## Study Details

Study type **Project Planning**

Study description **Evaluate channelization of Wheeler Creek to reduce flooding in the west side of town.**

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

County **Cooke** Watershed HUC# (if known) **111302100202,120301030105,120301030301,111302100201,120301030**

Drainage area (Square miles, est.) **39** Goal(s) **03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **665** # of structures **347** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **2,058** Roadway(s) impacted (length) **13**

Number of low water crossings **1** Historical road closures **-**

## Estimated Cost and Funding Availability

Total Cost **\$125,000** Amount of Available Funding **12,500** Federal funding availability **Yes**

Funding source **Local, State**



# Flood Management Evaluation (FME)



Title Pecan Creek Channelization Study  
 ID# 031000127  
 Sponsor (name of entity, not person) Valley View  
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

## Study Details

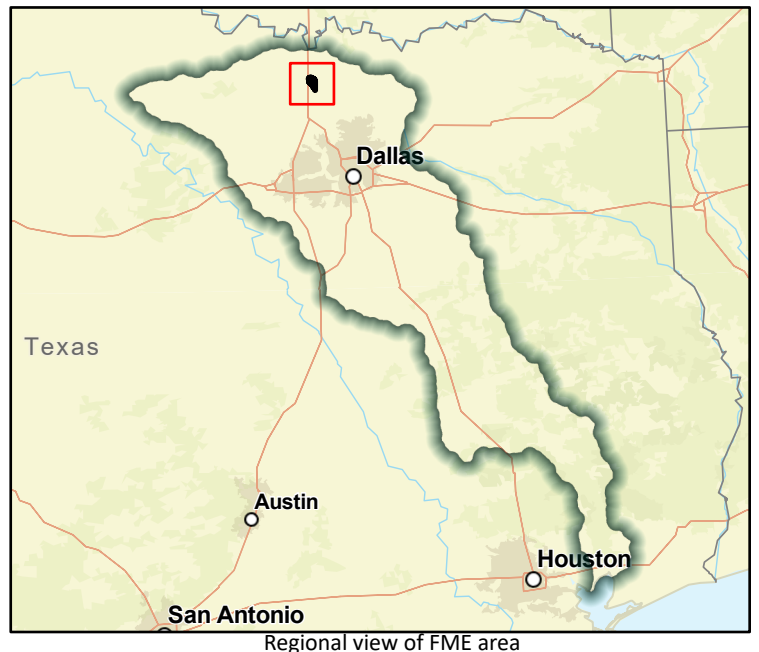
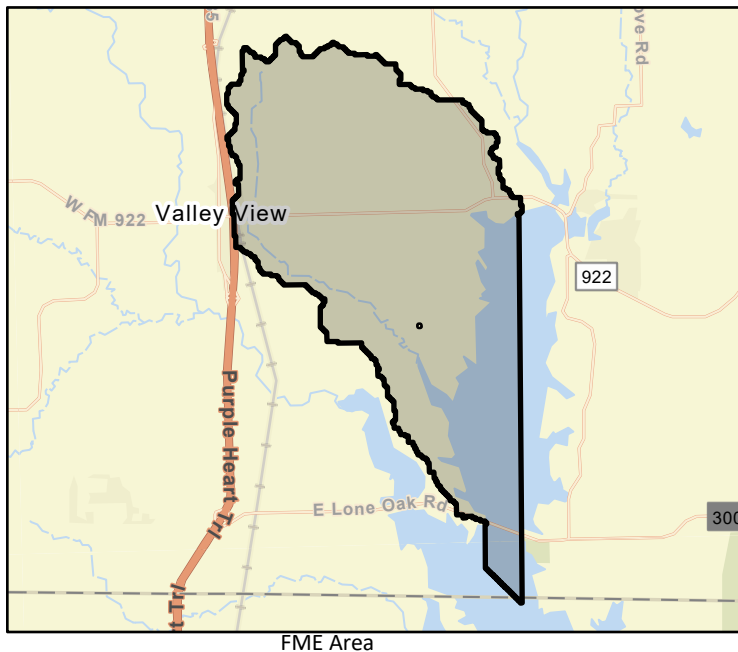
Study type Project Planning  
 Study description Evaluate channelization project for Pecan Creek to reduce flooding.  
 New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes  
 County Cooke Watershed HUC# (if known) 120301030402,120301030404,120301030403,120301030405  
 Drainage area (Square miles, est.) 13 Goal(s) 03000031, 03000032

## 100-Year Flood Risk Summary

Population at risk 2 # of structures 5 Critical facilities 0  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No  
 Farm/Ranch land impacted (acres) 306 Roadway(s) impacted (length) 2  
 Number of low water crossings 5 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 **Lindsay Waterways Improvements Study**

ID# **031000128**

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

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

## Study Details

Study type **Project Planning**

Study description **Identify alternatives to reshape waterways to allow quicker flow in areas that have regular flooding. Study potential construction of gabion retaining walls, and widening and/or deepening of the waterway.**

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

County **Cooke** Watershed HUC# (if known) **120301030401,120301030403,120301030106,111302010707**

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

## 100-Year Flood Risk Summary

Population at risk **61** # of structures **46** Critical facilities **0**

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

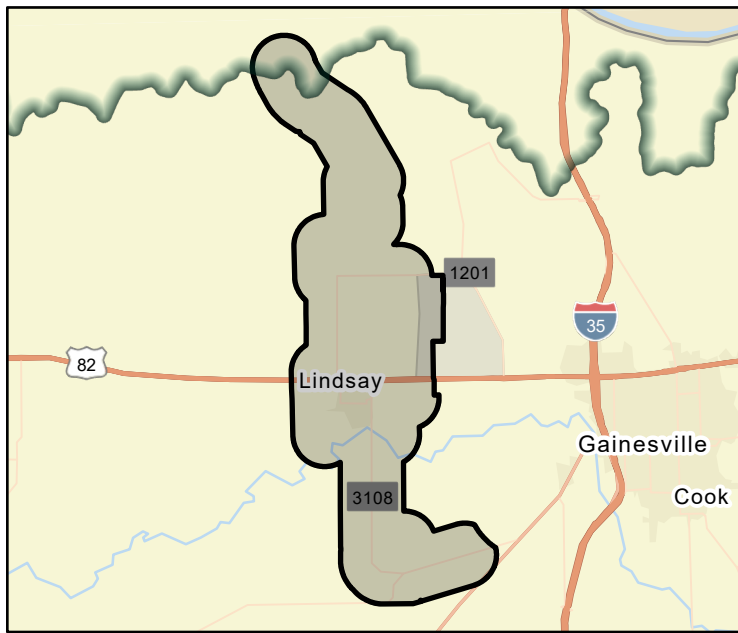
Farm/Ranch land impacted (acres) **1,251** Roadway(s) impacted (length) **2**

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

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **20,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **O'Neal St Low-Water Crossing Automatic Barrier Study**

ID# **031000129**

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

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 **Evaluate installation of an automatic barricade for low-water crossing on O'Neal St.**

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

County **Cooke** Watershed HUC# (if known) **120301030105,120301030106**

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

## 100-Year Flood Risk Summary

Population at risk **556** # of structures **244** Critical facilities **0**

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

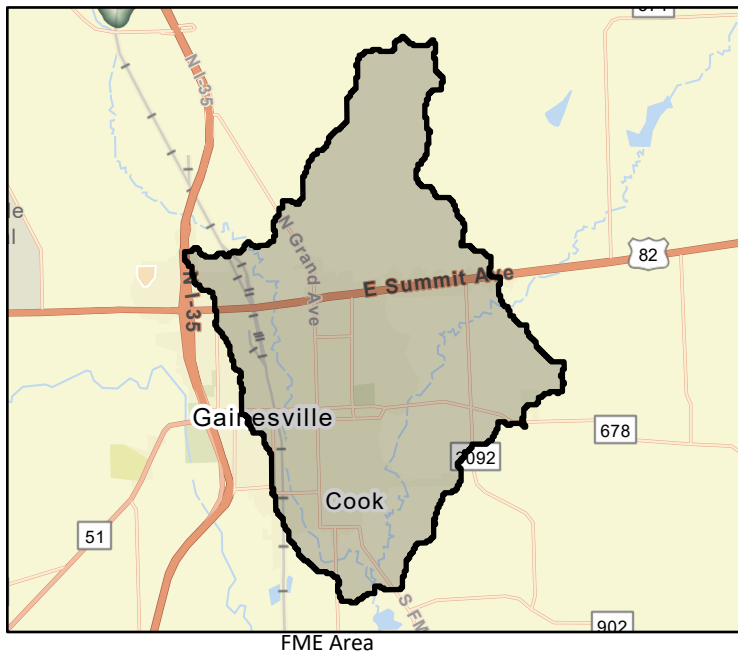
Farm/Ranch land impacted (acres) **486** Roadway(s) impacted (length) **8**

Number of low water crossings **1** Historical road closures **-**

## Estimated Cost and Funding Availability

Total Cost **\$125,000** Amount of Available Funding **12,500** Federal funding availability **Yes**

Funding source **Local, State**



# Flood Management Evaluation (FME)



Title **Elm Fork Bridge Improvements Assessment**

ID# **031000130**

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

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

## Study Details

Study type **Project Planning**

Study description **Assessment to alleviate flooding issues with the Elm Fork bridge on I-35.**

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

County **Cooke** Watershed HUC# (if known) **120301030105,120301030403,120301030106**

Drainage area (Square miles, est.) **7** Goal(s) **03000003, 03000004, 03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **348** # of structures **105** Critical facilities **1**

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

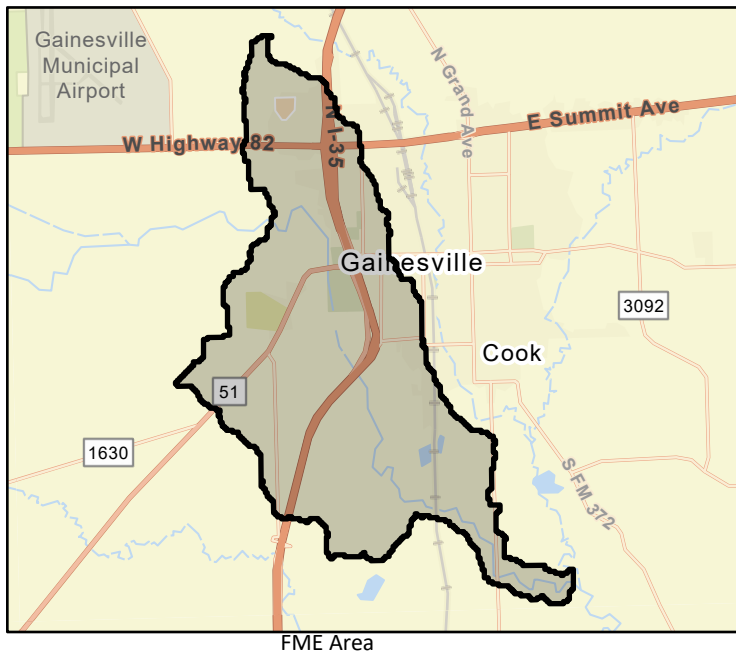
Farm/Ranch land impacted (acres) **1,027** Roadway(s) impacted (length) **4**

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

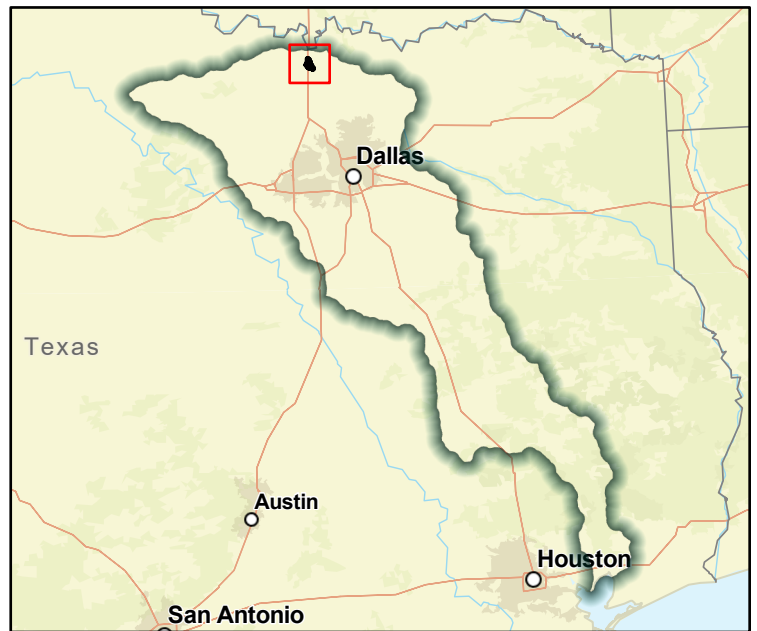
## Estimated Cost and Funding Availability

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 **University Park Storm Water Infrastructure Improvements Study**

ID# **031000132**

Sponsor (name of entity, not person) **University Park**

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

## Study Details

Study type **Project Planning**

Study description **Evaluation of storm drain system improvements including new storm sewer inlets, mains, and underground detention system to reduce flooding in Northeast portion of the City.**

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

County **Dallas** Watershed HUC# (if known) **120301031007,120301050105,120301050101**

Drainage area (Square miles, est.) **4** Goal(s) **03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **76** # of structures **22** Critical facilities **0**

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

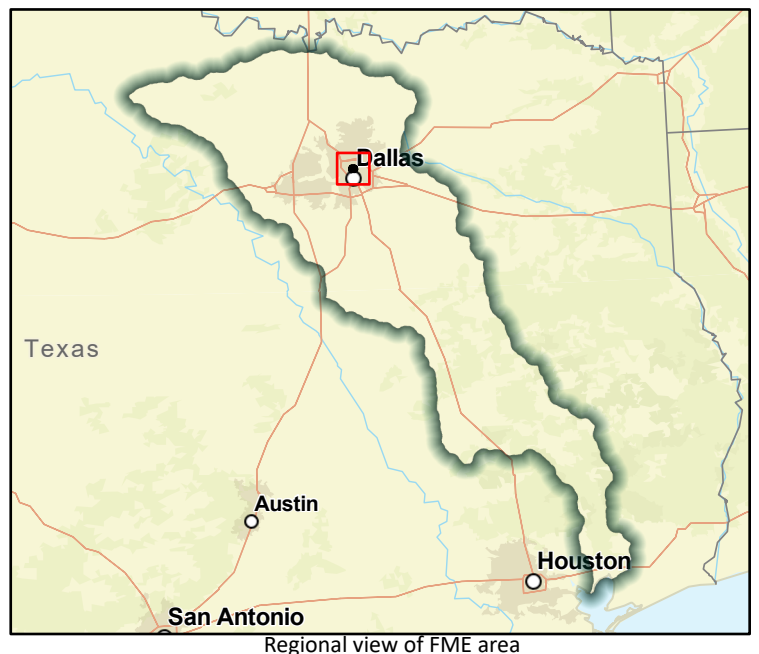
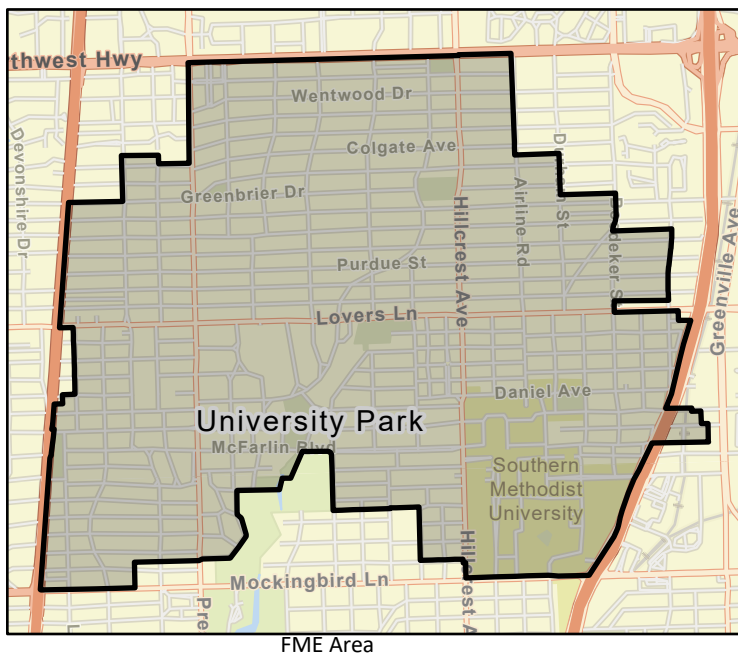
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

Number of low water crossings **2** Historical road closures **-**

## Estimated Cost and Funding Availability

Total Cost **\$660,000** Amount of Available Funding **66,000** Federal funding availability **Yes**

Funding source **Local, State**



# Flood Management Evaluation (FME)



Title **Exall and Wycliffe Dam Maintenance Protocol for Drainage Systems and Flood Control Structures**

ID# **031000133**

Sponsor (name of entity, not person) **Highland Park**

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

## Study Details

Study type **Project Planning**

Study description **Analyze maintenance protocol for Drainage Systems/Flood Control Structures in and around the Exall and Wycliffe Dams. Conduct study to determine roadway reconstruction, culvert/bridge construction and associated bank protection and improvements**

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

County **Dallas** Watershed HUC# (if known) **120301050101**

Drainage area (Square miles, est.) **2** Goal(s) **03000033, 03000034**

## 100-Year Flood Risk Summary

Population at risk **250** # of structures **17** Critical facilities **0**

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

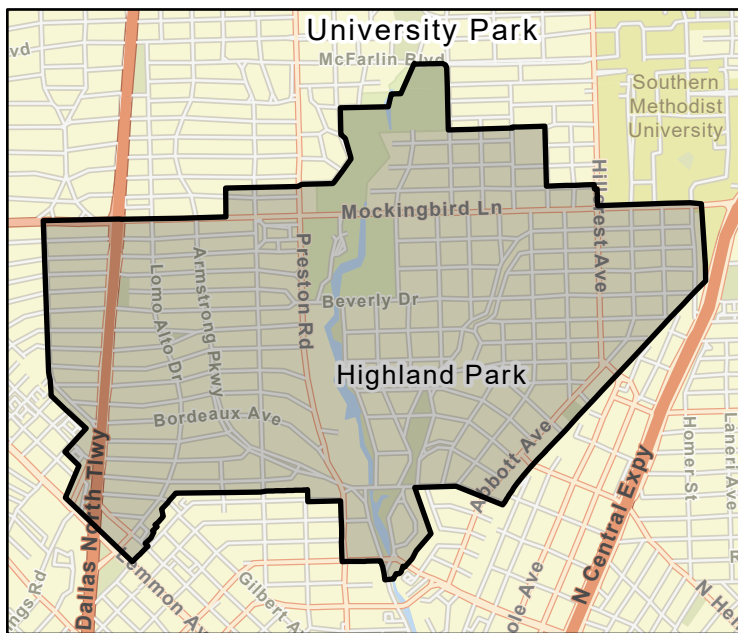
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **2**

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

## Estimated Cost and Funding Availability

Total Cost **\$175,000** Amount of Available Funding **17,500** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Farmers Branch Retention Pond Dredging**

ID# **031000134**

Sponsor (name of entity, not person) **Farmers Branch**

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

## Study Details

Study type **Project Planning**

Study description **Dredge the retention ponds along the creeks within the City.**

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

County **Dallas** Watershed HUC# (if known) **120301031005,120301031004,120301031007**

Drainage area (Square miles, est.) **12** Goal(s) **03000013, 03000014, 03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **9,710** # of structures **510** Critical facilities **2**

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

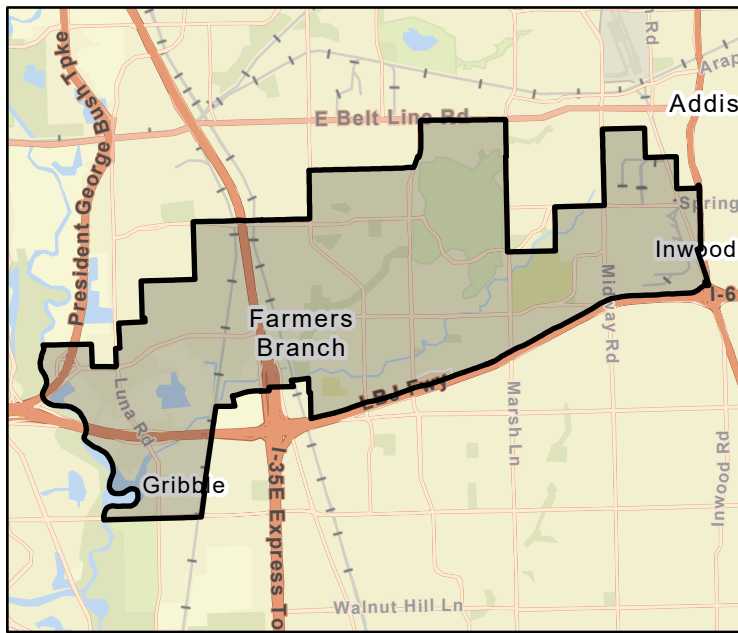
Farm/Ranch land impacted (acres) **316** Roadway(s) impacted (length) **24**

Number of low water crossings **13** Historical road closures **-**

## Estimated Cost and Funding Availability

Total Cost **\$125,000** Amount of Available Funding **12,500** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Ten Mile Creek Channel Expansion Study**

ID# **031000135**

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

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

## Study Details

Study type **Project Planning**

Study description **Study to improve and increase the capacity of storm water system by expanding the Ten Mile Creek downstream channel to prevent flooding in flood prone areas to include structural stormwater management projects**

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

County **Dallas** Watershed HUC# (if known) **120301020603,120301050107,120301050301,120301020606,120301050**

Drainage area (Square miles, est.) **77** Goal(s) **03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **9,136** # of structures **1,268** Critical facilities **9**

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

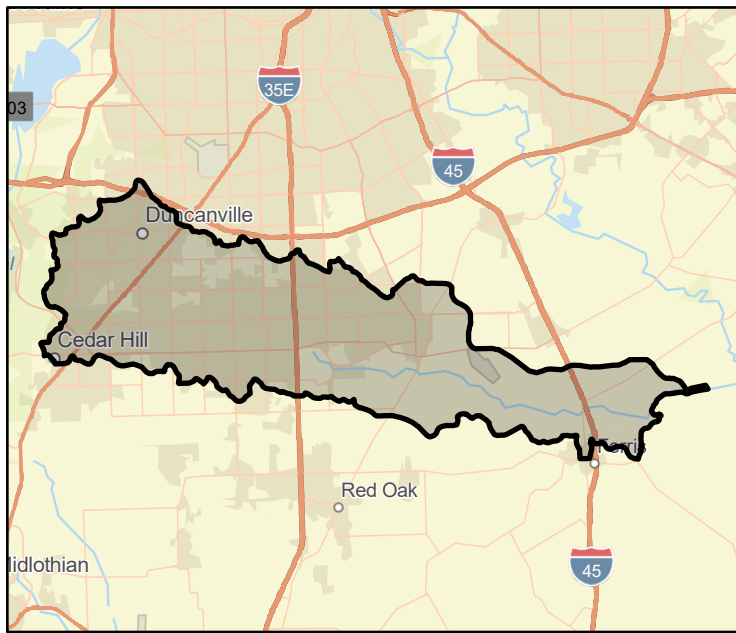
Farm/Ranch land impacted (acres) **2,246** Roadway(s) impacted (length) **40**

Number of low water crossings **33** Historical road closures **-**

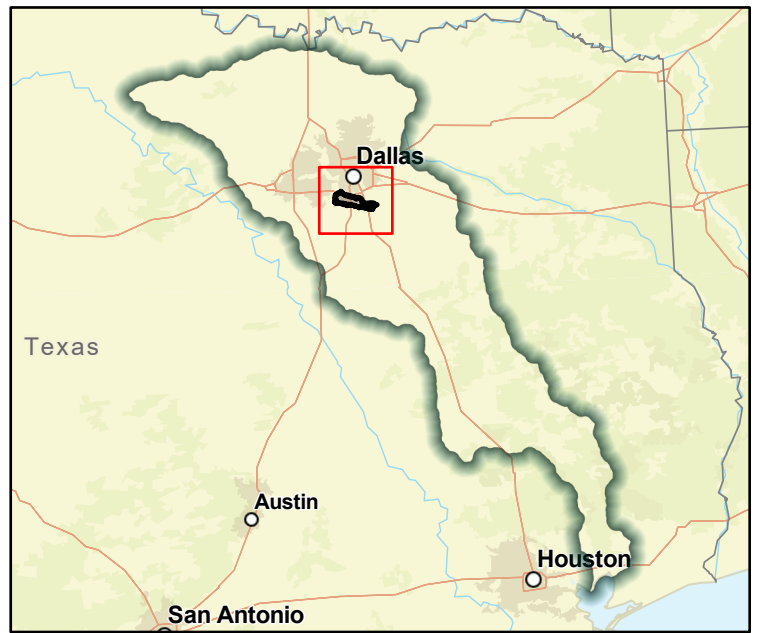
## Estimated Cost and Funding Availability

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 **Hunterwood Stream Stabilization Project**

ID# **031000136**

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

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

## Study Details

Study type **Project Planning**

Study description **Installation and maintenance of gabion walls to mitigate stream bank erosion during extreme flood events**

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

County **Dallas** Watershed HUC# (if known) **120301040307,120301031006,120301031004,120301020703**

Drainage area (Square miles, est.) **10** Goal(s) **03000031, 03000032, 03000033, 03000034**

## 100-Year Flood Risk Summary

Population at risk **67** # of structures **20** Critical facilities **0**

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

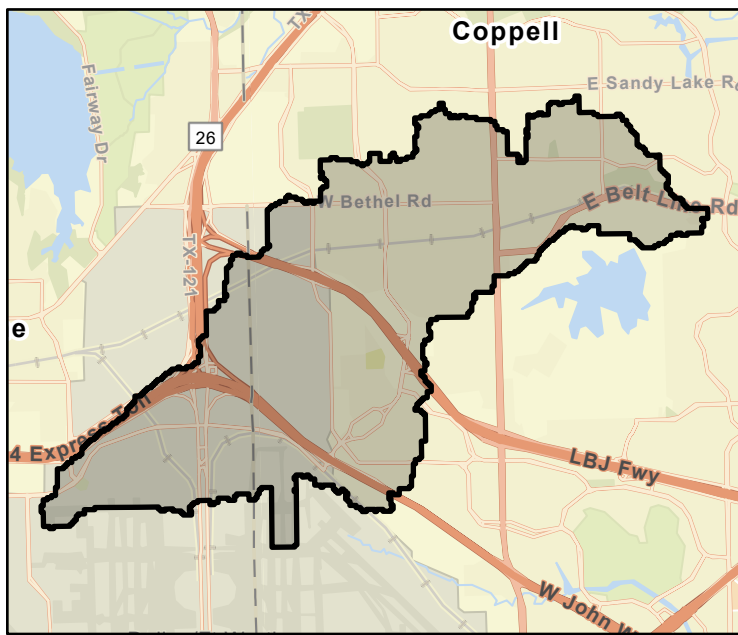
Farm/Ranch land impacted (acres) **26** Roadway(s) impacted (length) **1**

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 **Carrollton Flood Warning Barrier System Study**

ID# **031000137**

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

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

## Study Details

Study type **Project Planning**

Study description **Procure and install flood warning barrier system to prevent motorists from driving into flooded areas.**

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

County **Dallas, Denton** Watershed HUC# (if known) **120301040307,120301031002,120301031005,120301031004,120301031**

Drainage area (Square miles, est.) **37** Goal(s) **03000003, 03000004**

## 100-Year Flood Risk Summary

Population at risk **15,723** # of structures **1,068** Critical facilities **18**

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

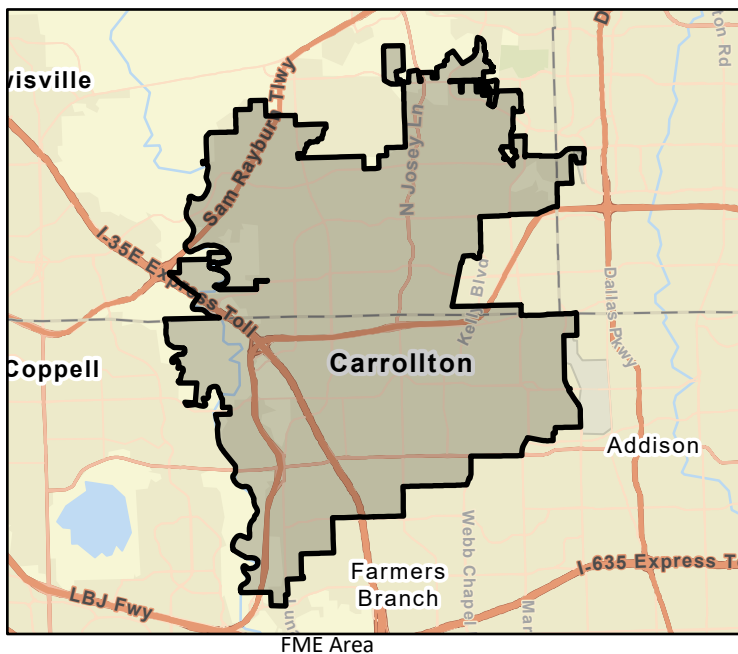
Farm/Ranch land impacted (acres) **617** Roadway(s) impacted (length) **48**

Number of low water crossings **19** Historical road closures **-**

## Estimated Cost and Funding Availability

Total Cost **\$300,000** Amount of Available Funding **30,000** Federal funding availability **Yes**

Funding source **Local, State**



# Flood Management Evaluation (FME)



Title **Westside Drive Drainage System and Street Reconstruct Study**

ID# **031000138**

Sponsor (name of entity, not person) **Highland Park**

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

## Study Details

Study type **Project Planning**

Study description **Study to reconstruct Drainage System and Street in the 4500-4700 blocks of Westside Drive**

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

County **Dallas** Watershed HUC# (if known) **120301031007,120301050101**

Drainage area (Square miles, est.) **2** Goal(s) **03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **5** # of structures **4** Critical facilities **1**

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

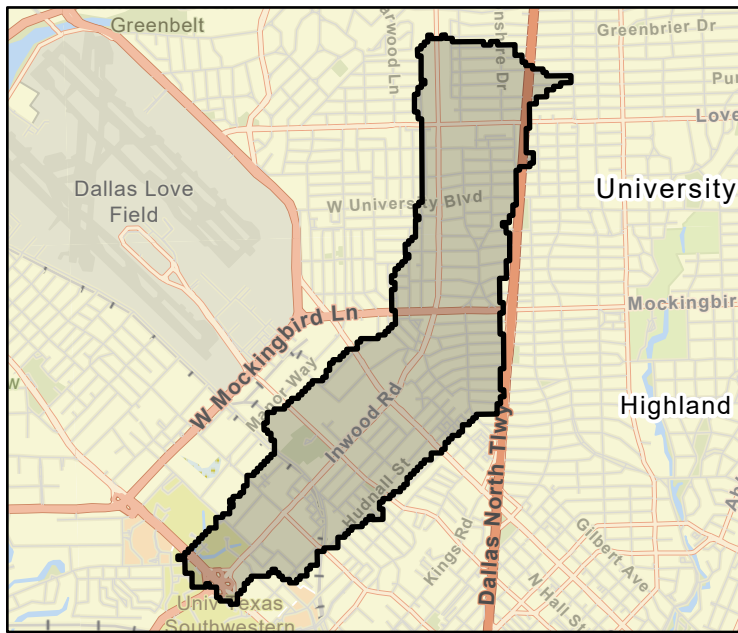
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

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

## Estimated Cost and Funding Availability

Total Cost **\$700,000** Amount of Available Funding **70,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Garner Rd, Chiesa Rd, and Wayne Way Storm Drain System Improvements**

ID# **031000139**

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

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 **Evaluation of storm drain system redirection and improvements at Garner Rd, Chiesa Rd, and Wayne Way**

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

County **Dallas** Watershed HUC# (if known) **120301060409,120301060402,120301060408,120301060501,120301060**

Drainage area (Square miles, est.) **10** Goal(s) **03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **20** # of structures **13** Critical facilities **0**

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

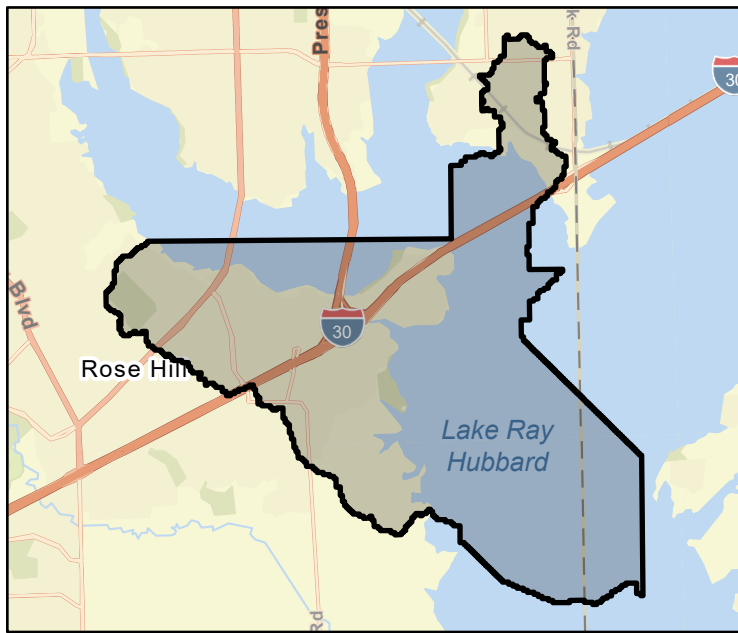
Farm/Ranch land impacted (acres) **20** Roadway(s) impacted (length) **4**

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

## Estimated Cost and Funding Availability

Total Cost **\$1,100,000** Amount of Available Funding **110,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Cooks Creek Drainage Infrastructure Improvements**

ID# **031000140**

Sponsor (name of entity, not person) **Farmers Branch**

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

## Study Details

Study type **Project Planning**

Study description **Evaluation of improvements to drainage infrastructure along Cooks Creek between Bee St and Spring Valley.**

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

County **Dallas** Watershed HUC# (if known) **120301031005,120301031004**

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

## 100-Year Flood Risk Summary

Population at risk **13,436** # of structures **216** Critical facilities **6**

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

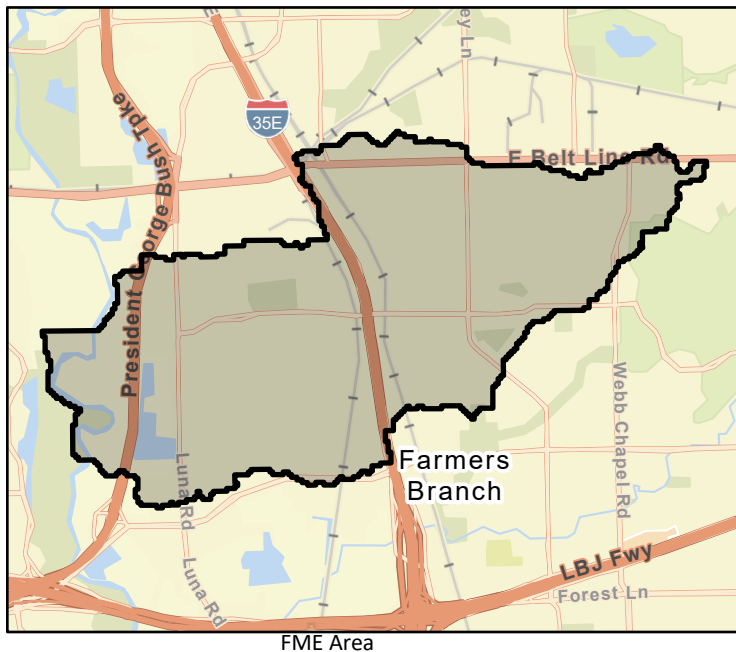
Farm/Ranch land impacted (acres) **129** Roadway(s) impacted (length) **22**

Number of low water crossings **5** Historical road closures **-**

## Estimated Cost and Funding Availability

Total Cost **\$2,000,000** Amount of Available Funding **200,000** Federal funding availability **Yes**

Funding source **Local, State**



# Flood Management Evaluation (FME)



Title **Carrollton Drainage Upgrades**

ID# **031000141**

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

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

## Study Details

Study type **Project Planning**

Study description **Evaluate upgrades to drainage and targeted regrading of streets and properties. Add additional drains and supporting infrastructure in older neighborhoods to increase offloading of flash flood waters.**

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

County **Dallas, Denton** Watershed HUC# (if known) **120301040307,120301031002,120301031005,120301031004,120301031**

Drainage area (Square miles, est.) **37** Goal(s) **03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **15,723** # of structures **1,068** Critical facilities **18**

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

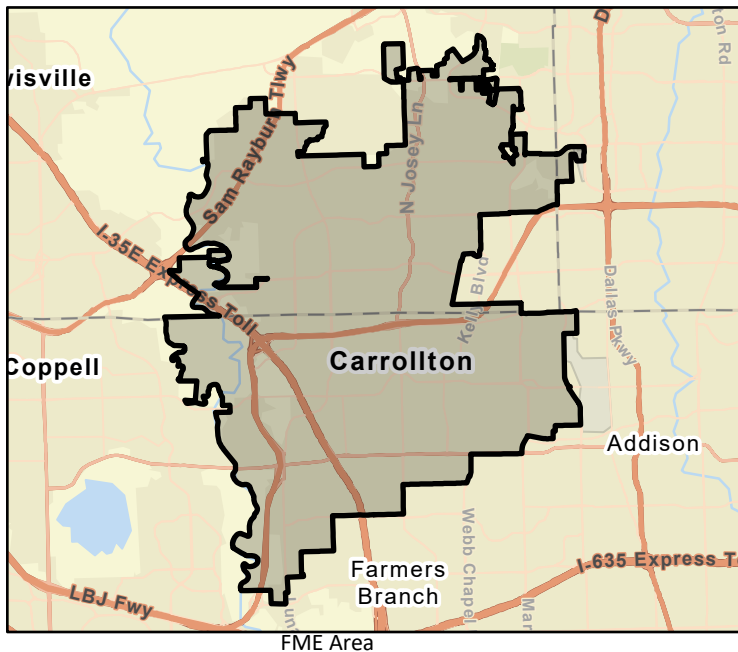
Farm/Ranch land impacted (acres) **617** Roadway(s) impacted (length) **48**

Number of low water crossings **19** Historical road closures **-**

## Estimated Cost and Funding Availability

Total Cost **\$1,000,000** Amount of Available Funding **100,000** Federal funding availability **Yes**

Funding source **Local, State**



# Flood Management Evaluation (FME)



Title **Little Elm Drainage Improvements**

ID# **031000142**

Sponsor (name of entity, not person) **Little Elm**

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

## Study Details

Study type **Project Planning**

Study description **Evaluate drainage improvements to mitigate future flash and lake flooding problems.**

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

County **Denton** Watershed HUC# (if known) **120301030905,120301030705,120301030904,120301030906,120301030**

Drainage area (Square miles, est.) **22** Goal(s) **03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **282** # of structures **71** Critical facilities **14**

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

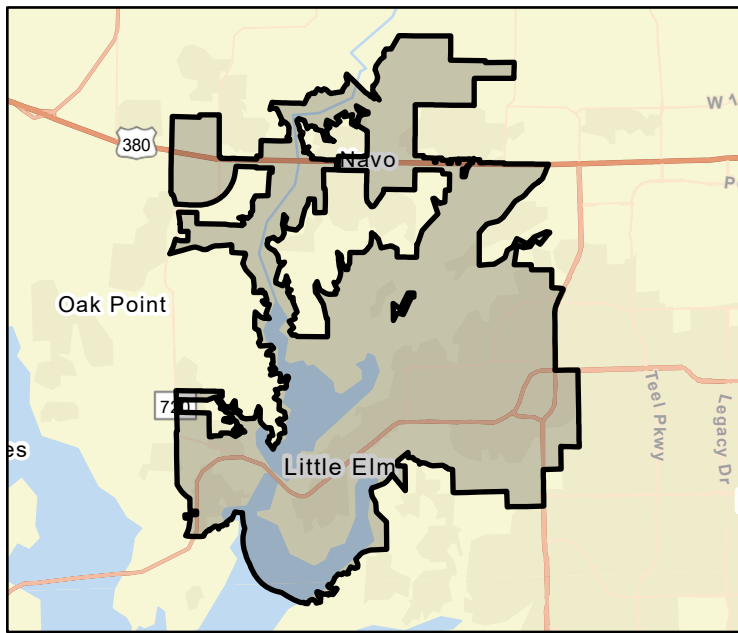
Farm/Ranch land impacted (acres) **788** Roadway(s) impacted (length) **6**

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

## Estimated Cost and Funding Availability

Total Cost **\$1,000,000** 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 **Shady Shores Rd Elevation Study**

ID# **031000143**

Sponsor (name of entity, not person) **Shady Shores**

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 Shady Shores Rd to reduce future loss due to flooding**

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

County **Denton** Watershed HUC# (if known) **120301030906,120301030902,120301030804,120301030805**

Drainage area (Square miles, est.) **17** Goal(s) **03000003, 03000004, 03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **583** # of structures **206** Critical facilities **5**

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

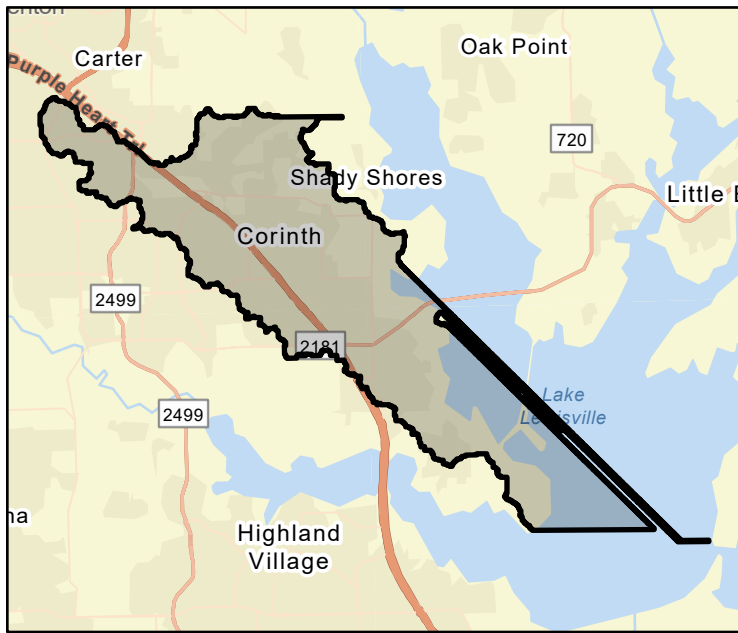
Farm/Ranch land impacted (acres) **218** Roadway(s) impacted (length) **12**

Number of low water crossings **4** 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 **Sanger Creek Waterways Reconstruction Study**

ID# **031000144**

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

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 reconstruct creek waterways to correct drainage issues**

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

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

Drainage area (Square miles, est.) **12** Goal(s) **03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **153** # of structures **41** Critical facilities **0**

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

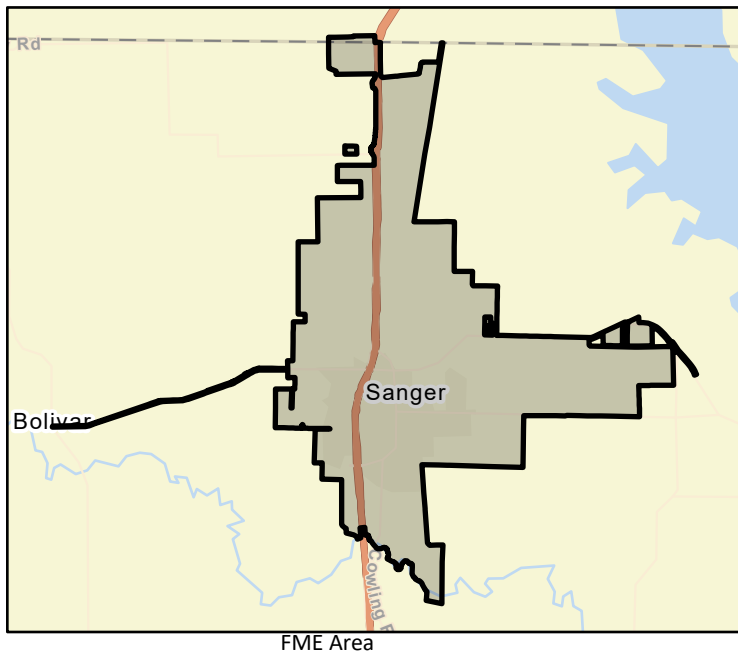
Farm/Ranch land impacted (acres) **921** Roadway(s) impacted (length) **4**

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

## Estimated Cost and Funding Availability

Total Cost **\$600,000** Amount of Available Funding **60,000** Federal funding availability **Yes**

Funding source **Local, State**



# Flood Management Evaluation (FME)



Title CR 1400 drainage study  
 ID# 031000145  
 Sponsor (name of entity, not person) Malakoff  
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

## Study Details

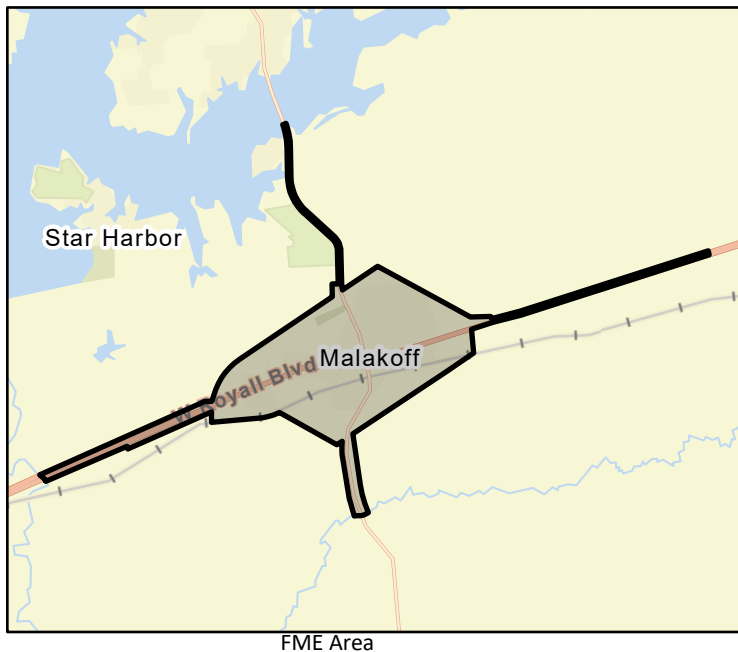
Study type Project Planning  
 Study description Evaluate widening road and installing box drains where necessary.  
 New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes  
 County Henderson Watershed HUC# (if known) 120301070311,120301070312,120301070309  
 Drainage area (Square miles, est.) 2 Goal(s) 03000003, 03000004, 03000031, 03000032

## 100-Year Flood Risk Summary

Population at risk 284 # of structures 30 Critical facilities 1  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No  
 Farm/Ranch land impacted (acres) 43 Roadway(s) impacted (length) 2  
 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



# Flood Management Evaluation (FME)



Title **Malone Bridge Improvements**

ID# **031000146**

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

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 roadways in flood-prone areas through bridge improvements**

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

County **Hill** Watershed HUC# (if known) **120301080108,120301080106**

Drainage area (Square miles, est.) **0** Goal(s) **03000003, 03000004, 03000031, 03000032**

## 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**

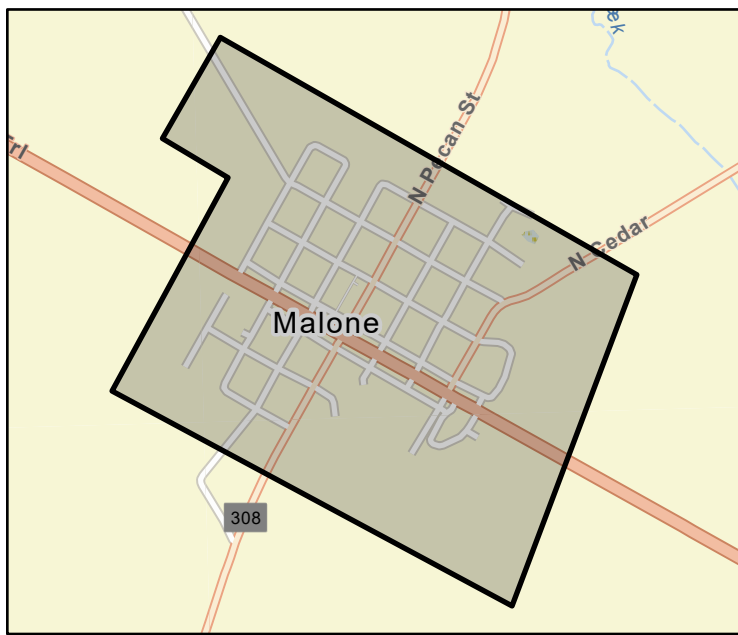
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

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

## Estimated Cost and Funding Availability

Total Cost **\$275,000** Amount of Available Funding **27,500** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **FM 2114 Automated Flood Gate Feasibility Assessment**

ID# **031000147**

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

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

## Study Details

Study type **Project Planning**

Study description **Evaluate installation of an automated flood gate that prevents traffic flow on FM 2114 within the flood-prone area during flooding events.**

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

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

Drainage area (Square miles, est.) **9** Goal(s) **03000003, 03000004**

## 100-Year Flood Risk Summary

Population at risk **0** # of structures **3** Critical facilities **0**

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

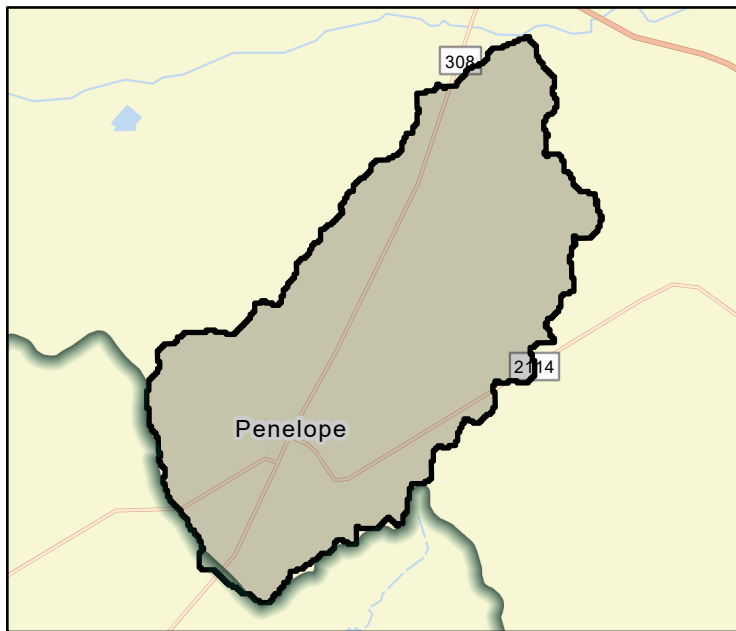
Farm/Ranch land impacted (acres) **939** Roadway(s) impacted (length) **1**

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

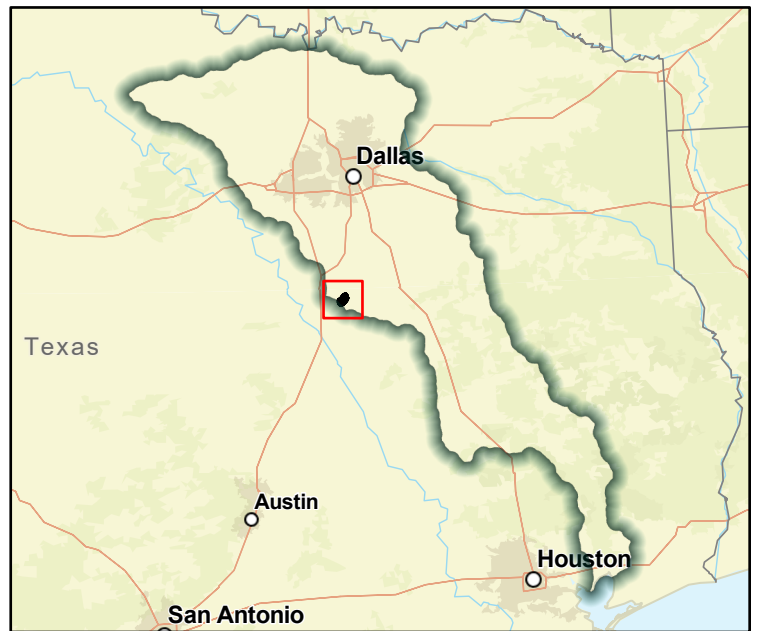
## Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **3,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area