

# Flood Management Evaluation (FME)



Title Eastern Meadows-Southlake Estates-Greenbrook-Green Acres-Rosehill Acreage Drainage Study Update

ID# 031000105

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 10

New Hydrologic or Hydraulic model? -

Emergency Need? No

Existing/Anticipated models in near term? -

County Dallas

Watershed HUC# (if known) 120301060409,120301060408,120301060501,120301060503

Drainage area (Square miles, est.) 13

Goal(s) 03000005, 03000006, 03000009, 03000010

## 100-Year Flood Risk Summary

Population at risk 24

# of structures 13

Critical facilities 3

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 629

Roadway(s) impacted (length) 2

Number of low water crossings 3

Historical road closures -

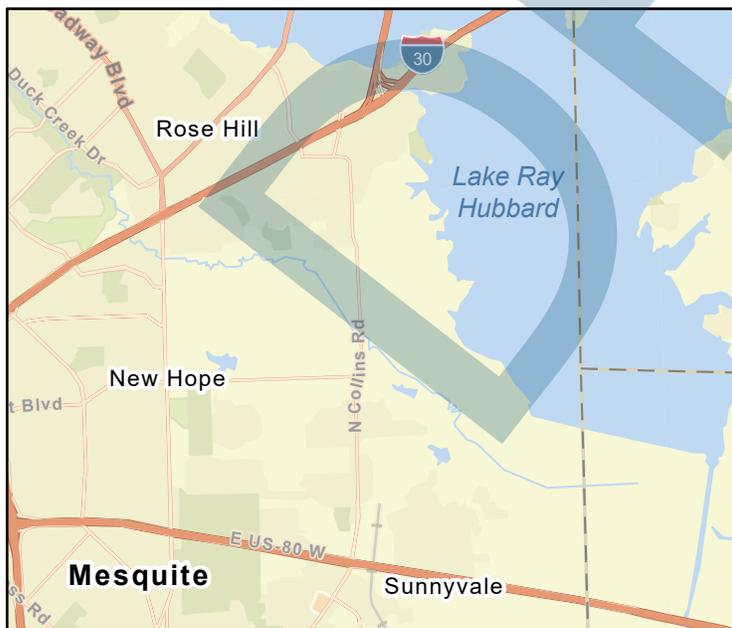
## Estimated Cost and Funding Availability

Total Cost \$81,000

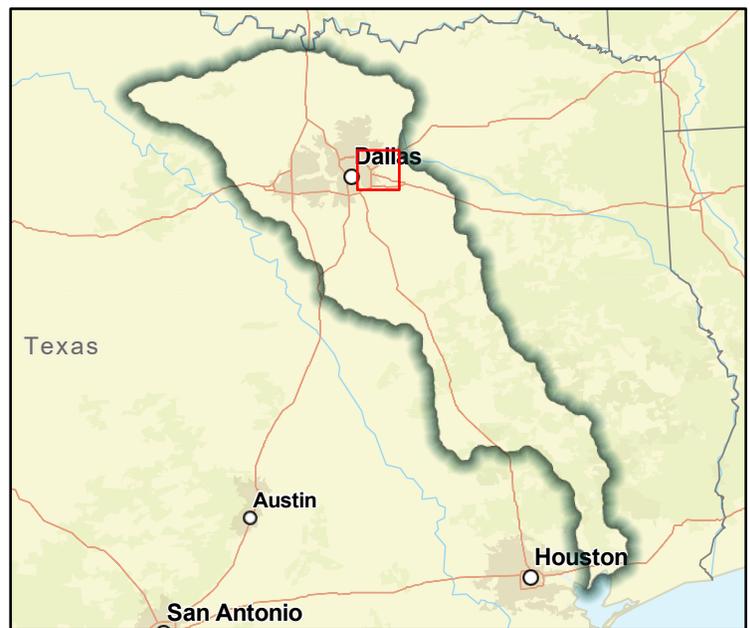
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **La Prada 7 & 8 Drainage Study Update**

ID# **031000106**

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 11**

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

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 **1**

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

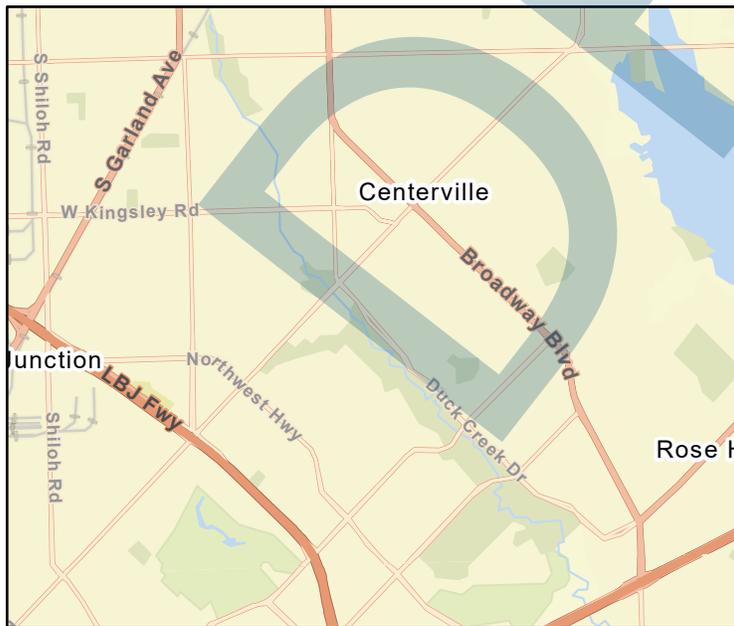
Farm/Ranch land impacted (acres) **45** Roadway(s) impacted (length) **4**

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

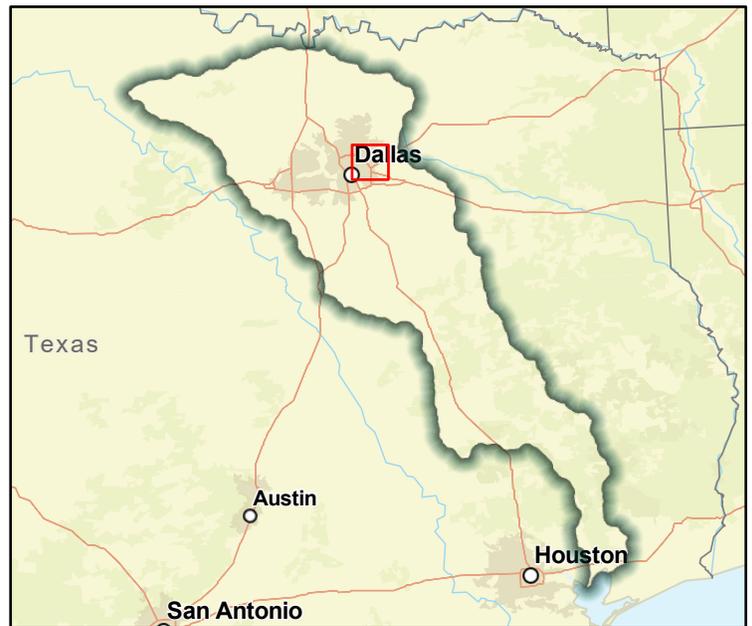
## Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Gatewood Drainage Study Update  
 ID# 031000107  
 Sponsor (name of entity, not person) Garland  
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

## Study Details

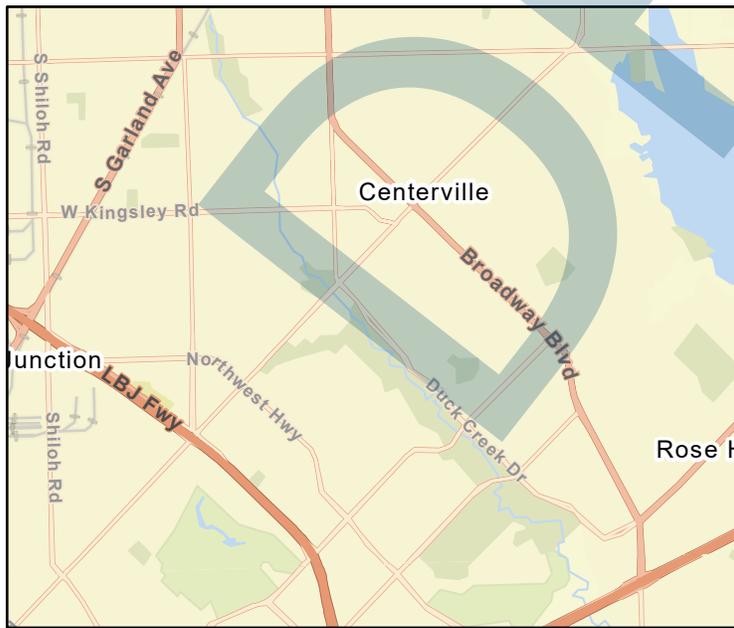
Study type Project Planning  
 Study description Area 12  
 New Hydrologic or Hydraulic model? - Emergency Need? No Existing/Anticipated models in near term? -  
 County Dallas Watershed HUC# (if known) 120301060408,120301060501  
 Drainage area (Square miles, est.) 6 Goal(s) 03000005, 03000006, 03000009, 03000010

## 100-Year Flood Risk Summary

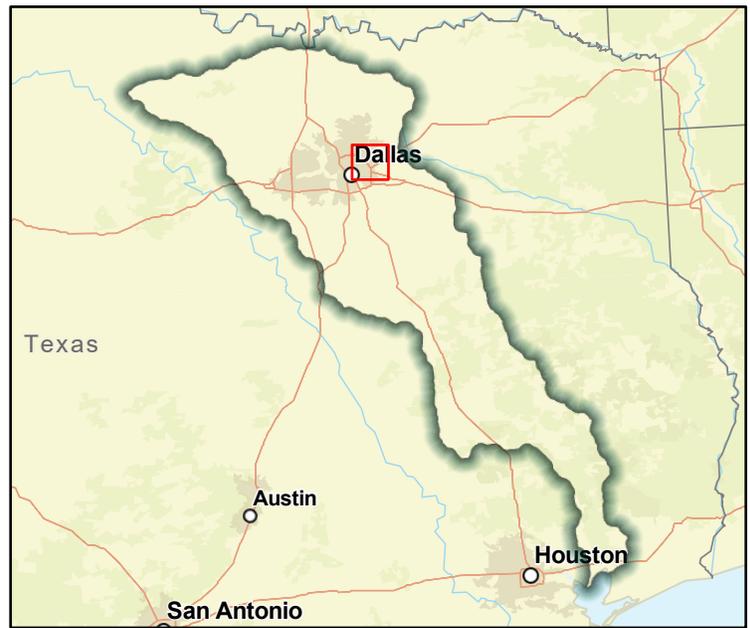
Population at risk 863 # of structures 232 Critical facilities 1  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No  
 Farm/Ranch land impacted (acres) 45 Roadway(s) impacted (length) 4  
 Number of low water crossings 5 Historical road closures -

## Estimated Cost and Funding Availability

Total Cost \$50,000 Amount of Available Funding - Federal funding availability -  
 Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Curtis Drive Drainage Study Update**

ID# **031000108**

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 13**

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

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**

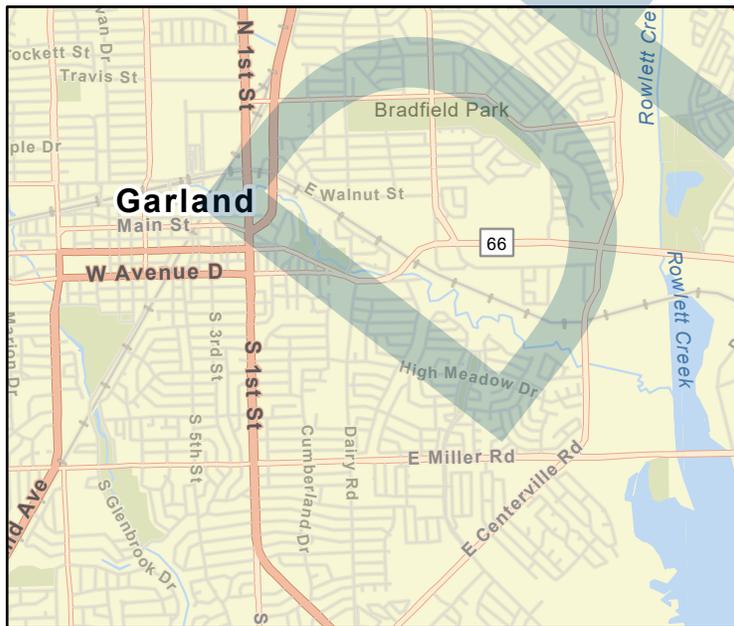
Farm/Ranch land impacted (acres) **7** Roadway(s) impacted (length) **2**

Number of low water crossings **8** Historical road closures **-**

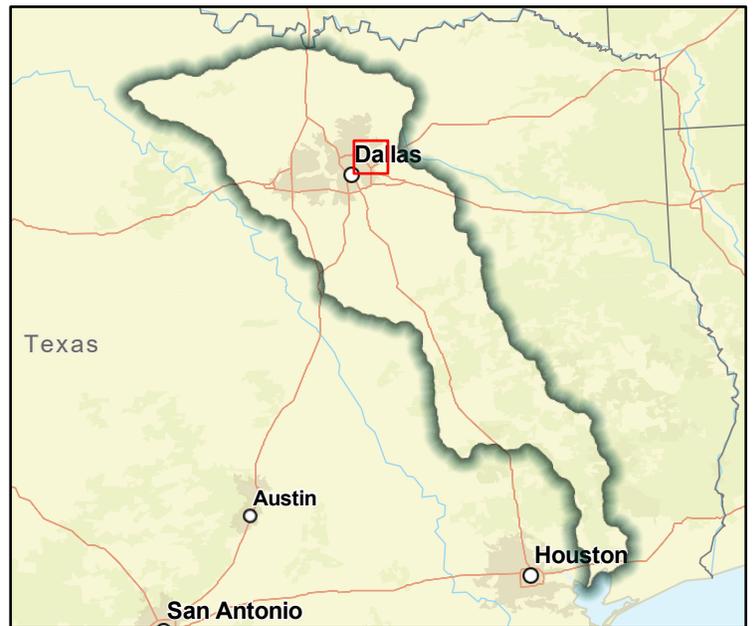
## Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Center Creek Plaza 8 Southgate Estates Drainage Study Update**

ID# **031000109**

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 14**

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

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 **1**

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

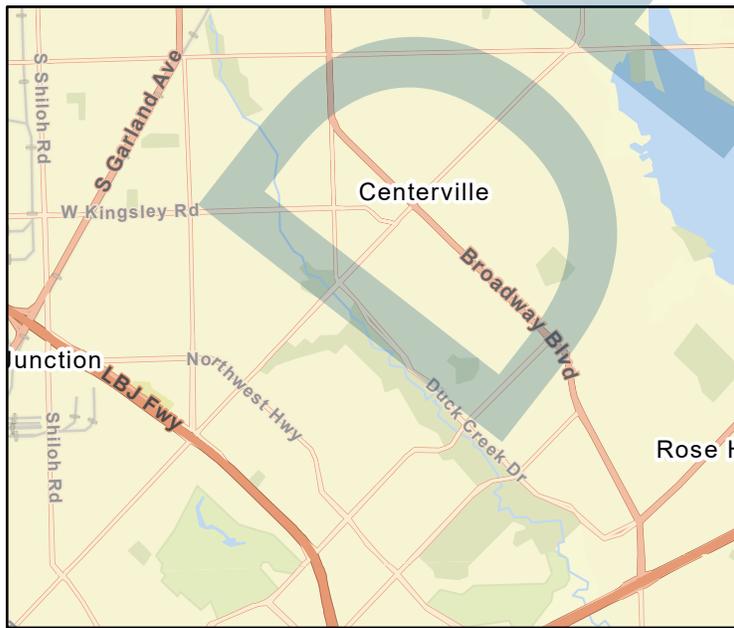
Farm/Ranch land impacted (acres) **45** Roadway(s) impacted (length) **4**

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

## Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Bluffview Drainage Study Update**

ID# **031000110**

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 15**

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

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

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

## 100-Year Flood Risk Summary

Population at risk **26** # of structures **10** Critical facilities **0**

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

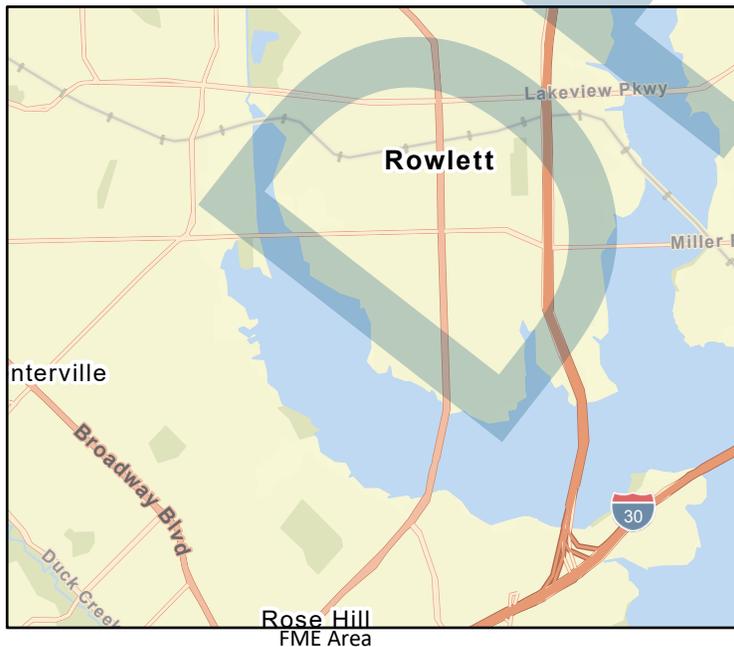
Farm/Ranch land impacted (acres) **85** Roadway(s) impacted (length) **1**

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

## Estimated Cost and Funding Availability

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

Funding source **-**



Rowlett  
FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Camelot Drainage Study Update**

ID# **031000111**

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 16**

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

County **Dallas** Watershed HUC# (if known) **120301060406,120301060407,120301060408,120301060501**

Drainage area (Square miles, est.) **14** Goal(s) **03000005, 03000006, 03000009, 03000010**

## 100-Year Flood Risk Summary

Population at risk **471** # of structures **117** Critical facilities **1**

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

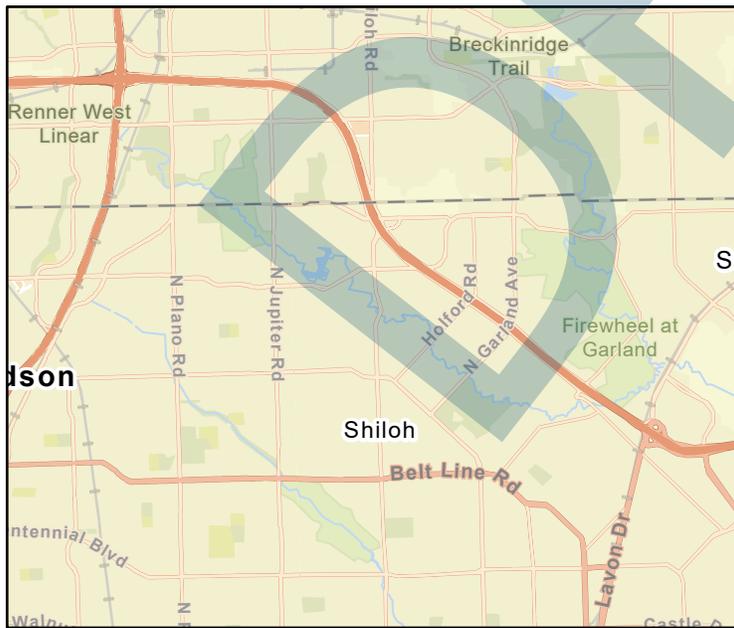
Farm/Ranch land impacted (acres) **65** Roadway(s) impacted (length) **3**

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

## Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Downtown Drainage Study Update**

ID# **031000112**

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

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 **Area 17**

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

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**

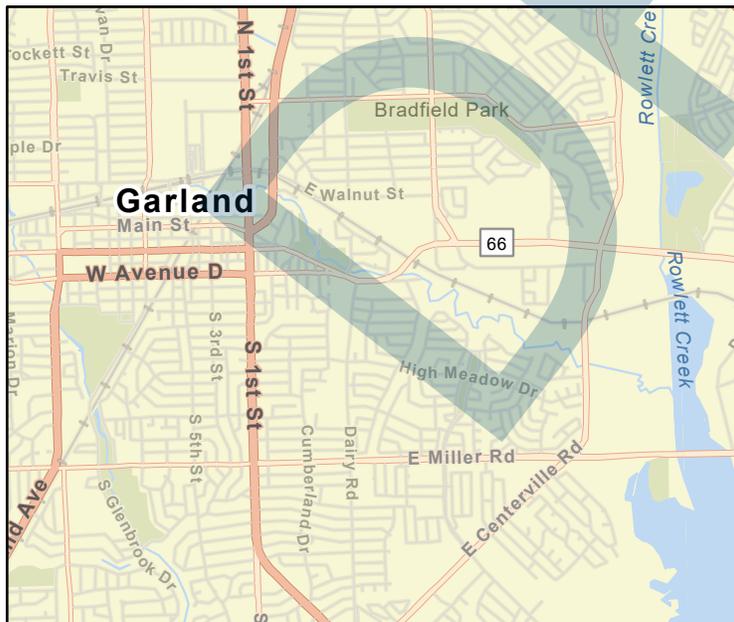
Farm/Ranch land impacted (acres) **7** Roadway(s) impacted (length) **2**

Number of low water crossings **8** Historical road closures **-**

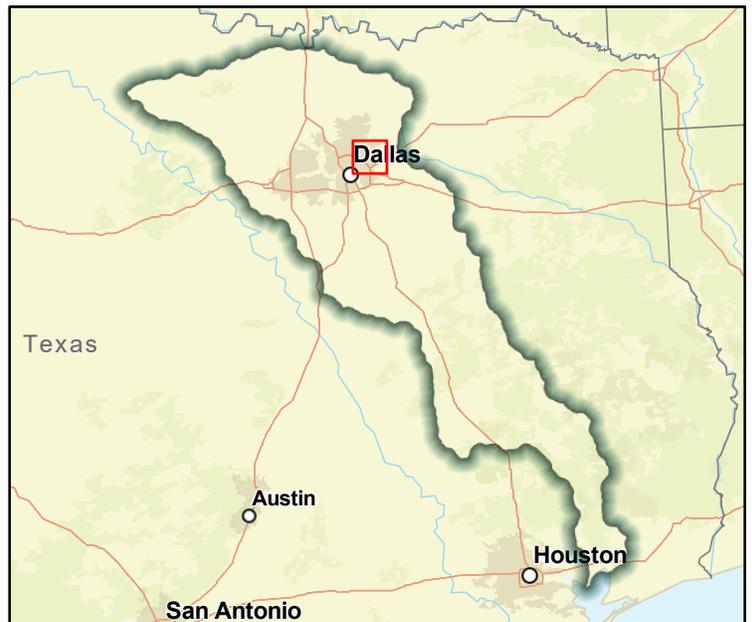
## Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Main & Wilson Streets Drainage Study Update**

ID# **031000113**

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 18**

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

County **Dallas** Watershed HUC# (if known) **120301060407,120301050105,120301060408,120301060501**

Drainage area (Square miles, est.) **13** Goal(s) **03000005, 03000006, 03000009, 03000010**

## 100-Year Flood Risk Summary

Population at risk **4,557** # of structures **348** Critical facilities **3**

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

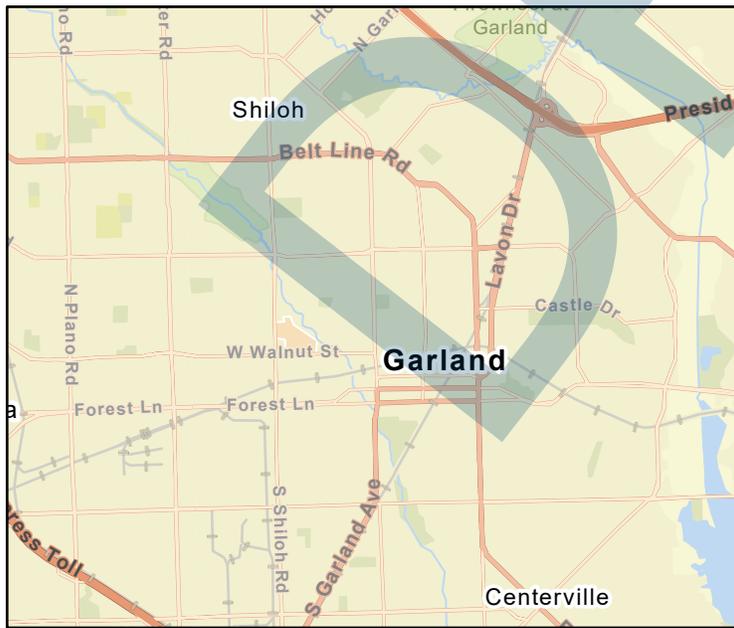
Farm/Ranch land impacted (acres) **8** Roadway(s) impacted (length) **9**

Number of low water crossings **23** Historical road closures **-**

## Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Royal Crest-Meadowview Drainage Study Update**

ID# **031000114**

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 19**

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

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

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

## 100-Year Flood Risk Summary

Population at risk **26** # of structures **10** Critical facilities **0**

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

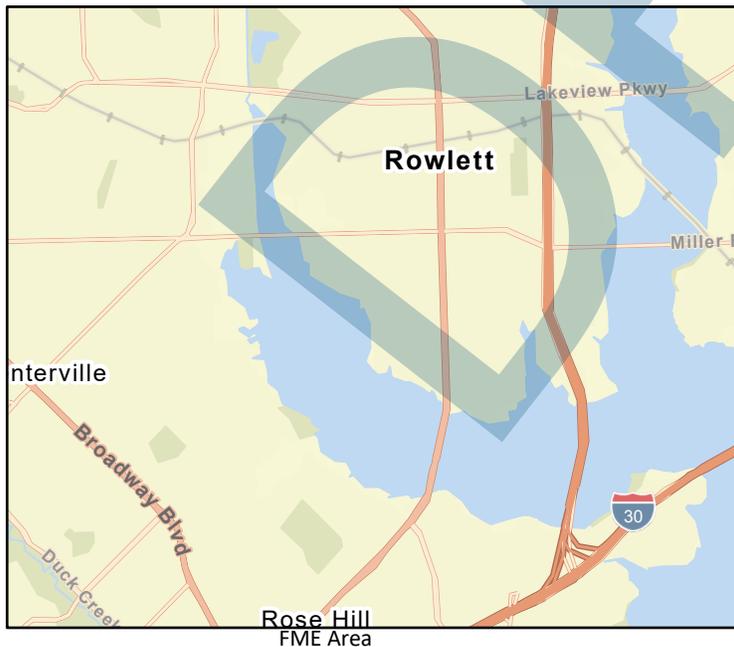
Farm/Ranch land impacted (acres) **85** Roadway(s) impacted (length) **1**

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

## Estimated Cost and Funding Availability

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

Funding source **-**



# Flood Management Evaluation (FME)



Title **Garvon West, Innovation & Kingsley Ind. Park Drainage Study Update**

ID# **031000115**

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 20**

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

County **Dallas** Watershed HUC# (if known) **120301050105,120301060501**

Drainage area (Square miles, est.) **5** Goal(s) **03000005, 03000006, 03000009, 03000010**

## 100-Year Flood Risk Summary

Population at risk **1,298** # of structures **219** Critical facilities **0**

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

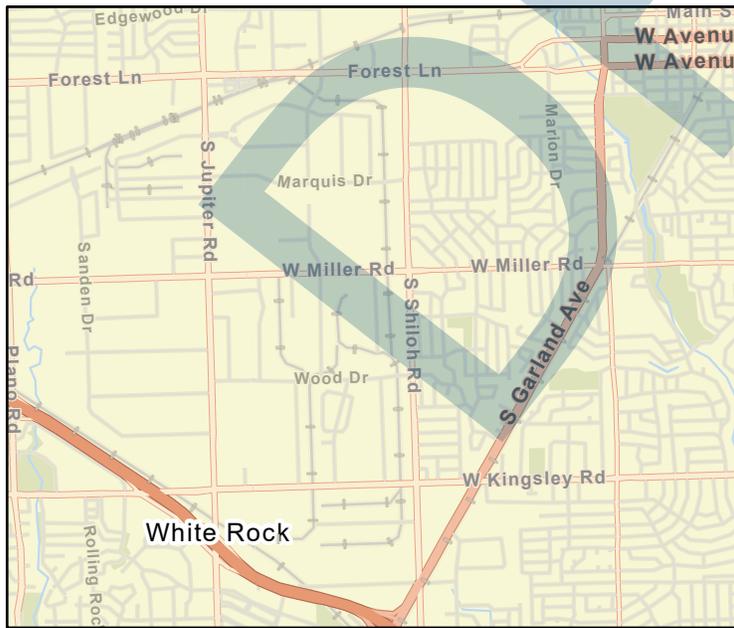
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **4**

Number of low water crossings **11** Historical road closures **-**

## Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

# 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? **-** Emergency Need? **No** Existing/Anticipated models in near term? **-**

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**

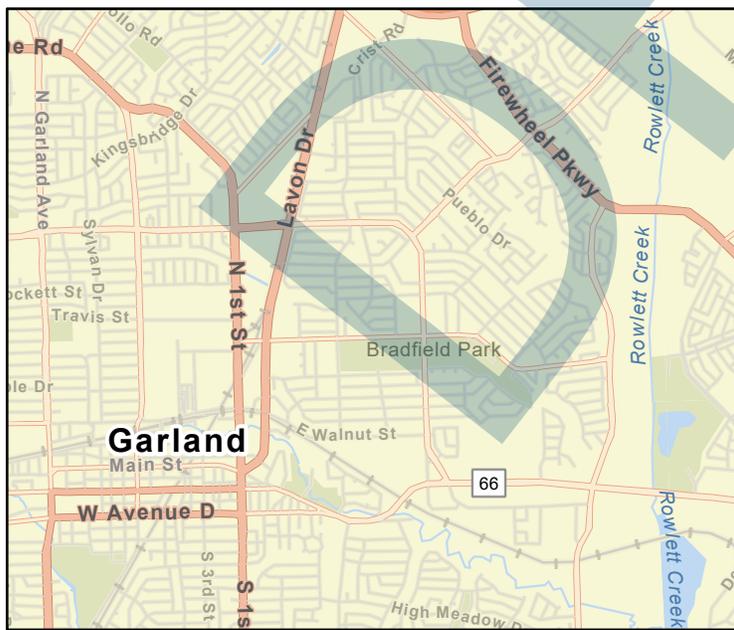
Farm/Ranch land impacted (acres) **96** Roadway(s) impacted (length) **2**

Number of low water crossings **4** Historical road closures **-**

## Estimated Cost and Funding Availability

Total Cost **\$56,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **-**



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? - Emergency Need? No Existing/Anticipated models in near term? -

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

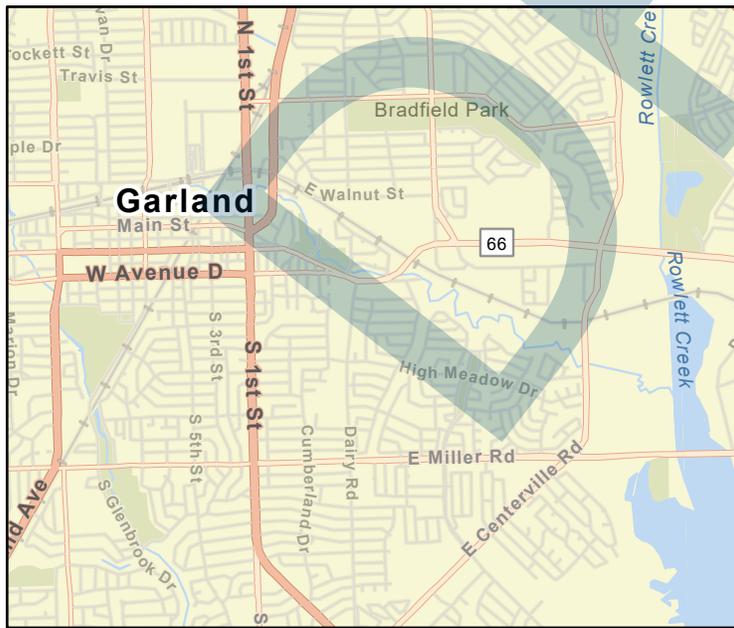
Farm/Ranch land impacted (acres) 7 Roadway(s) impacted (length) 2

Number of low water crossings 8 Historical road closures -

## Estimated Cost and Funding Availability

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

Funding source -



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

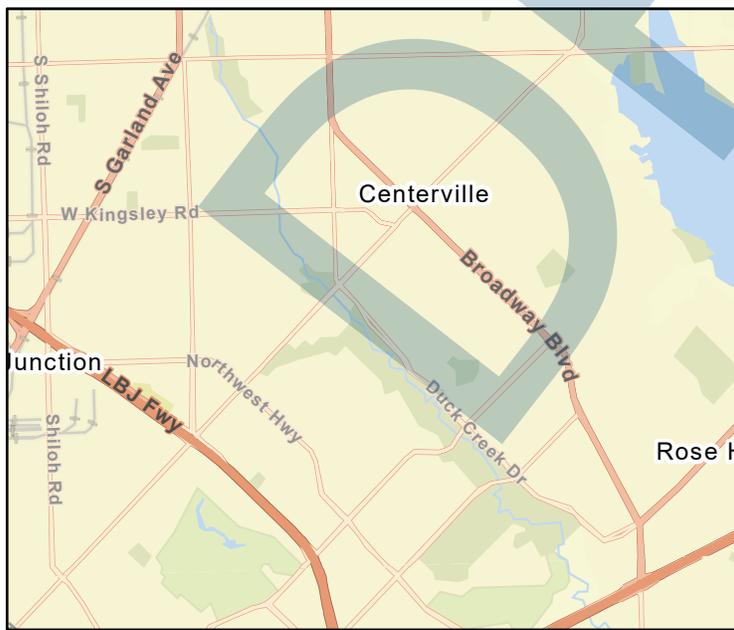
Study type Project Planning  
 Study description Area 23  
 New Hydrologic or Hydraulic model? - Emergency Need? No Existing/Anticipated models in near term? -  
 County Dallas Watershed HUC# (if known) 120301060408,120301060501  
 Drainage area (Square miles, est.) 6 Goal(s) 03000005, 03000006, 03000009, 03000010

## 100-Year Flood Risk Summary

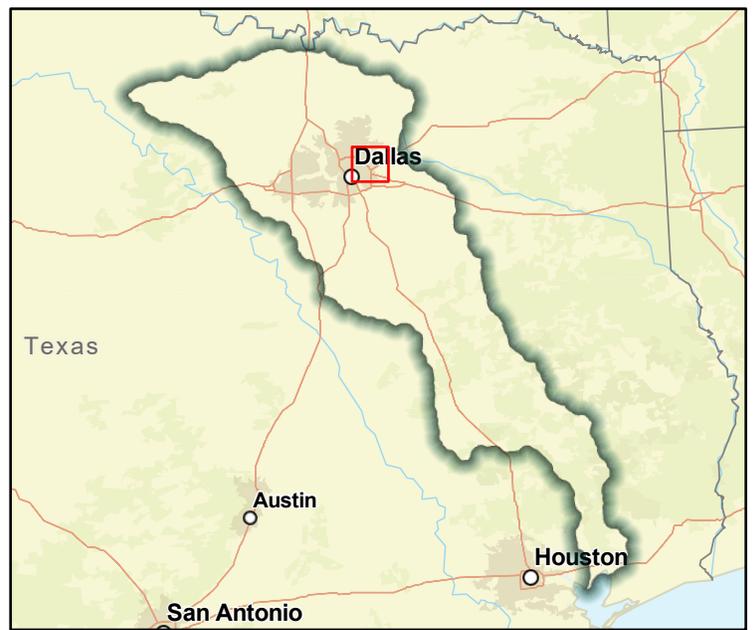
Population at risk 863 # of structures 232 Critical facilities 1  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No  
 Farm/Ranch land impacted (acres) 45 Roadway(s) impacted (length) 4  
 Number of low water crossings 5 Historical road closures -

## Estimated Cost and Funding Availability

Total Cost \$50,000 Amount of Available Funding - Federal funding availability -  
 Funding source -



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? - Emergency Need? No Existing/Anticipated models in near term? -

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 3

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

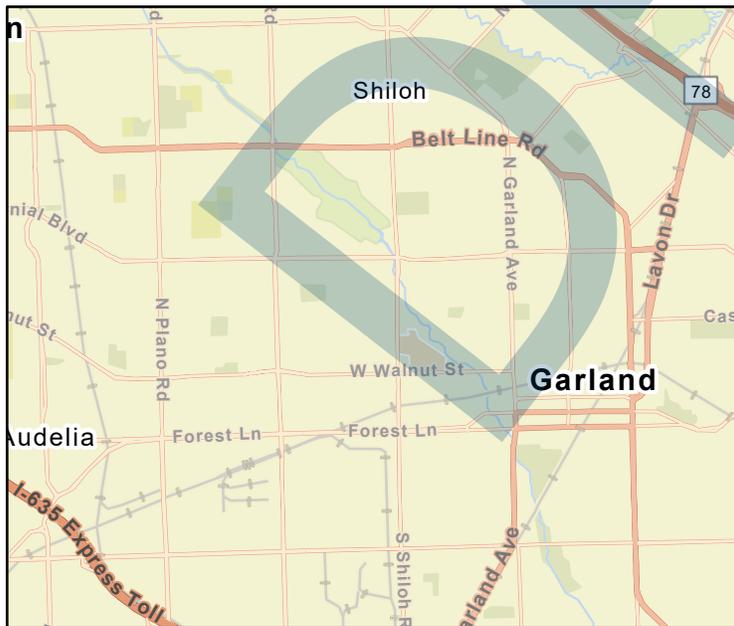
Farm/Ranch land impacted (acres) 1 Roadway(s) impacted (length) 7

Number of low water crossings 15 Historical road closures -

## Estimated Cost and Funding Availability

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

Funding source -



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? **-** Emergency Need? **No** Existing/Anticipated models in near term? **-**

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 **3**

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

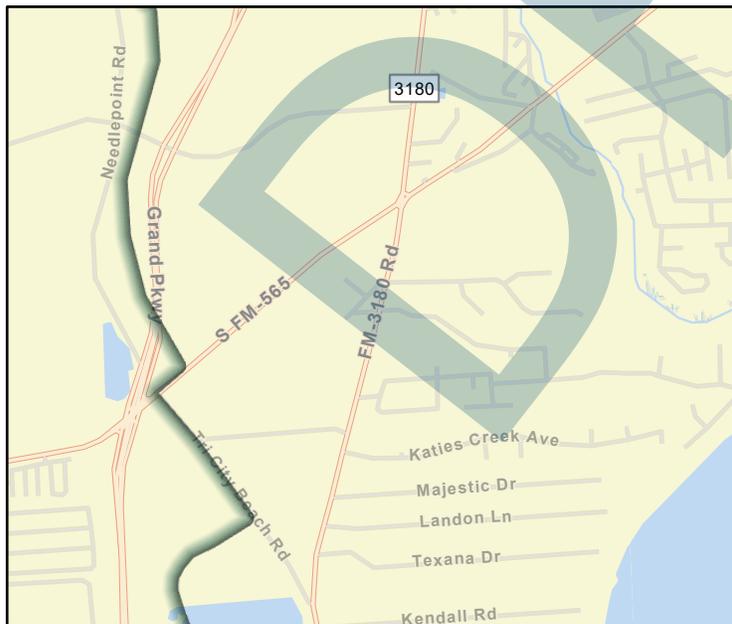
Farm/Ranch land impacted (acres) **551** Roadway(s) impacted (length) **2**

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

## Estimated Cost and Funding Availability

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

Funding source **-**



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? - Emergency Need? No Existing/Anticipated models in near term? -

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 13

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

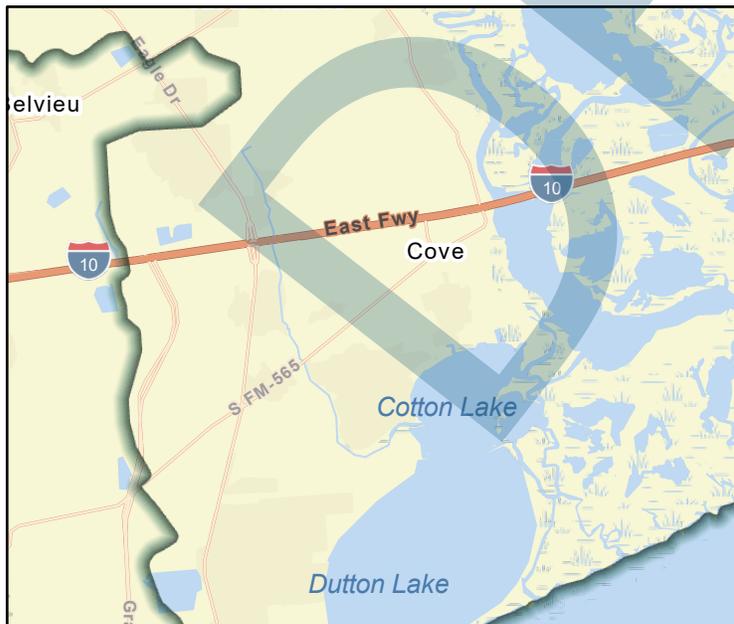
Farm/Ranch land impacted (acres) 1,545 Roadway(s) impacted (length) 14

Number of low water crossings 2 Historical road closures -

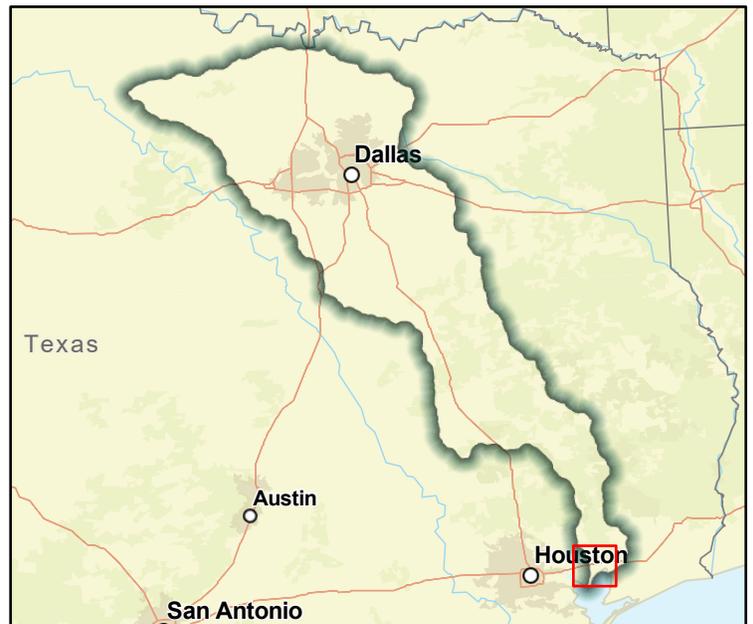
## Estimated Cost and Funding Availability

Total Cost \$1,250,000 Amount of Available Funding - Federal funding availability -

Funding source -



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 **Still pending formal vote.**

## 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? **-** Emergency Need? **No** Existing/Anticipated models in near term? **-**

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 **28**

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

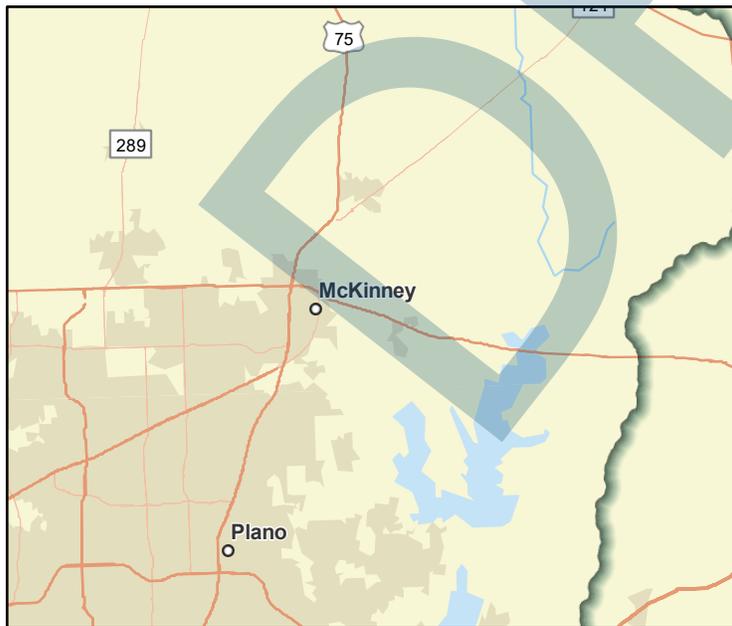
Farm/Ranch land impacted (acres) **34,154** Roadway(s) impacted (length) **146**

Number of low water crossings **86** Historical road closures **-**

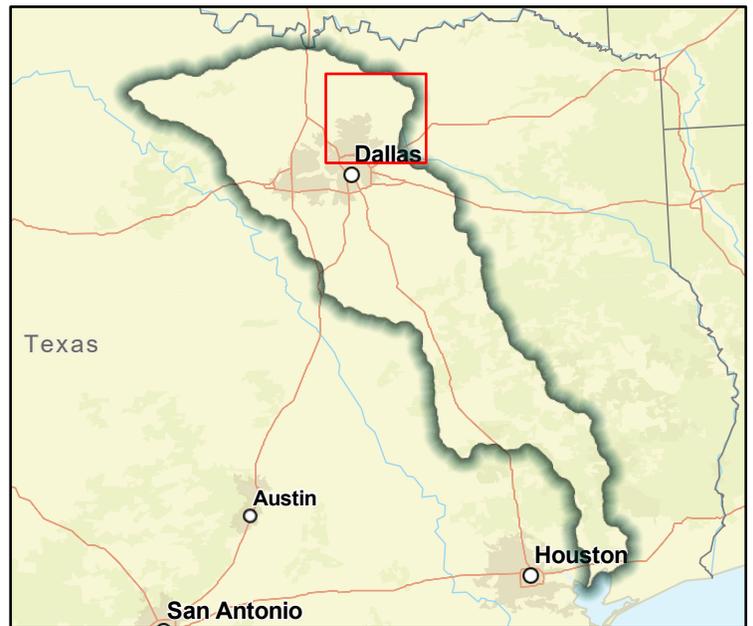
## Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **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? **-** Emergency Need? **No** Existing/Anticipated models in near term? **-**

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 **10**

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

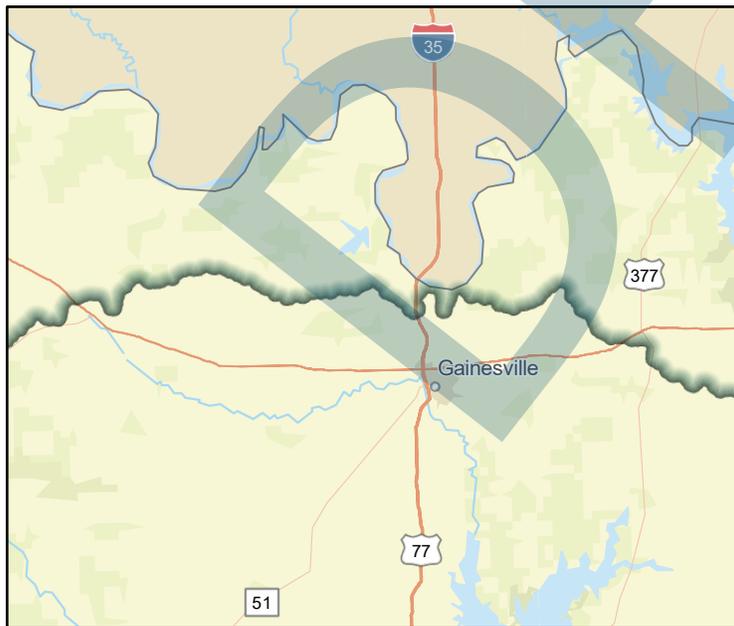
Farm/Ranch land impacted (acres) **40,870** Roadway(s) impacted (length) **81**

Number of low water crossings **74** Historical road closures **-**

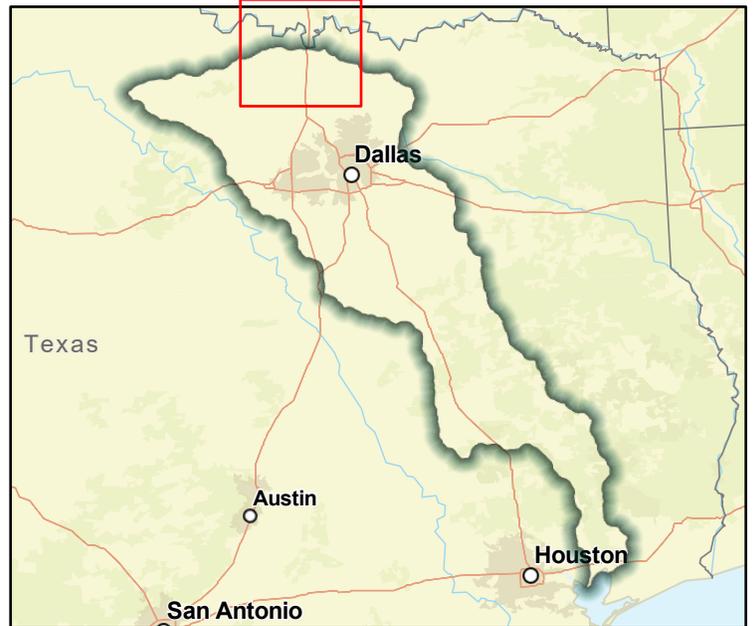
## Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **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? **-** Emergency Need? **No** Existing/Anticipated models in near term? **-**

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 **6** Historical road closures **-**

## Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

# 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

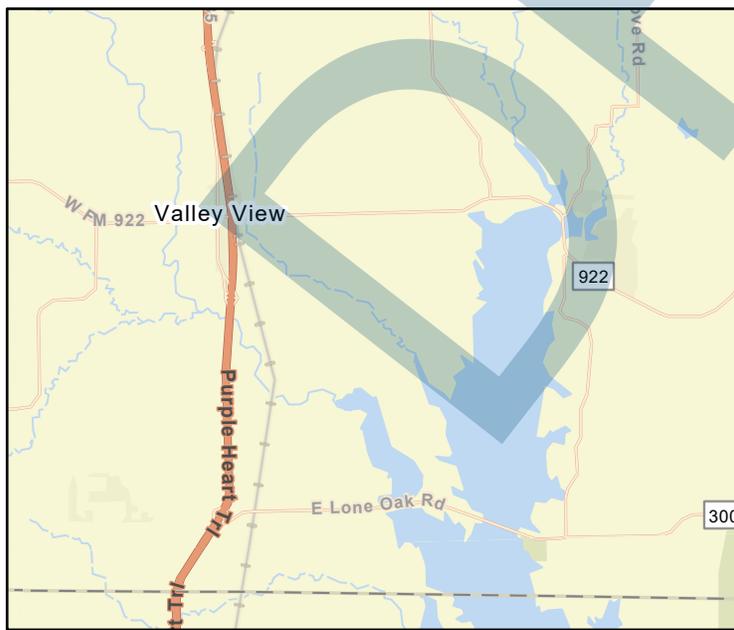
Study type Project Planning  
 Study description Evaluate channelization project for Pecan Creek to reduce flooding.  
 New Hydrologic or Hydraulic model? - Emergency Need? No Existing/Anticipated models in near term? -  
 County Cooke Watershed HUC# (if known) 120301030402,120301030404,120301030403,120301030405  
 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 - Federal funding availability -  
 Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Lindsay Waterways Improvements Study**

ID# **031000128**

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

RFPG recommend? **Yes** Reason for Recommendation **Still pending formal vote.**

## Study Details

Study type **Project Planning**

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

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

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 **1**

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 **-** Federal funding availability **-**

Funding source **-**



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? - Emergency Need? No Existing/Anticipated models in near term? -

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 5 Historical road closures -

## Estimated Cost and Funding Availability

Total Cost \$125,000 Amount of Available Funding - Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# 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? **-** Emergency Need? **No** Existing/Anticipated models in near term? **-**

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 **-**

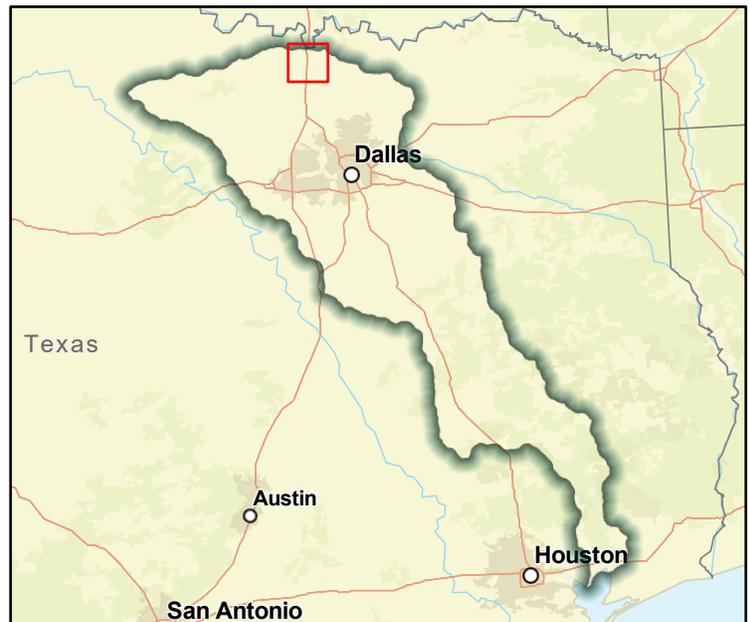
## Estimated Cost and Funding Availability

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

Funding source **-**



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? **-** Emergency Need? **No** Existing/Anticipated models in near term? **-**

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**

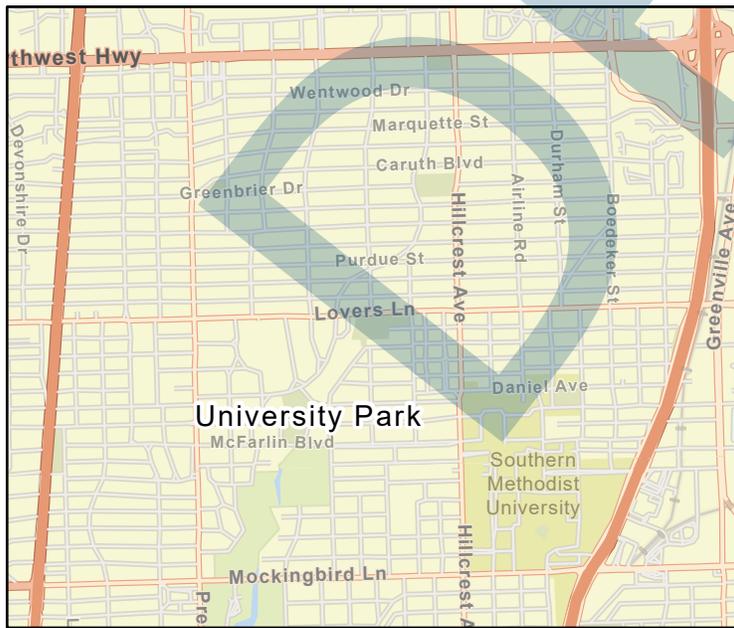
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

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

## Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

# 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 **Still pending formal vote.**

## 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? **-** Emergency Need? **No** Existing/Anticipated models in near term? **-**

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**

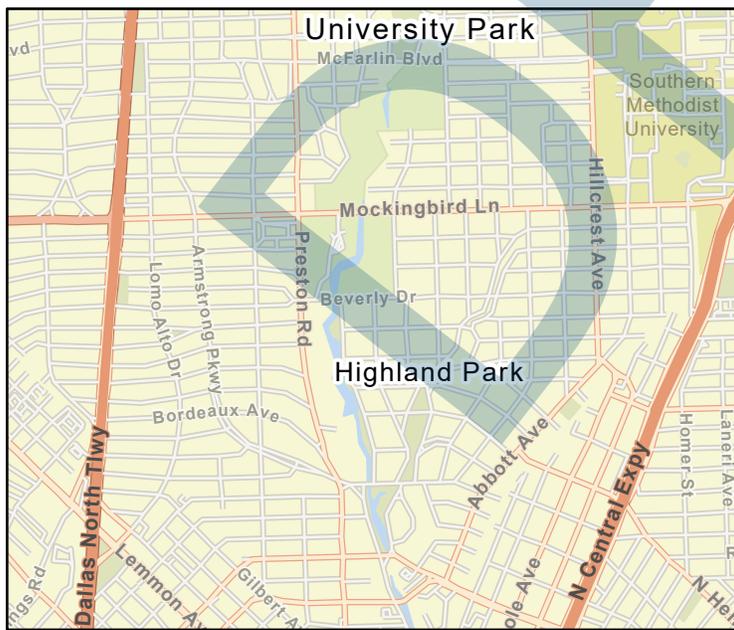
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **2**

Number of low water crossings **4** Historical road closures **-**

## Estimated Cost and Funding Availability

Total Cost **\$175,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **-**



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 Evaluate the dredging of the retention ponds along the creeks within the City.

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

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 1

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

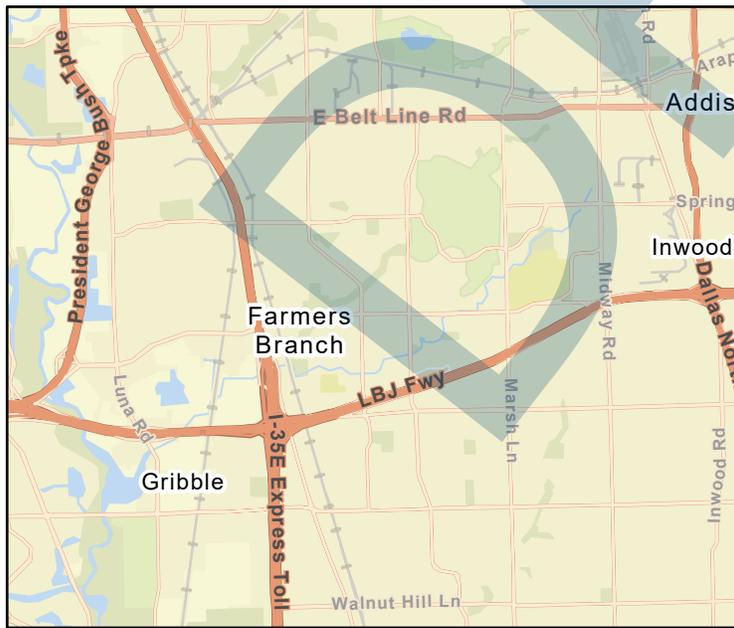
Farm/Ranch land impacted (acres) 316 Roadway(s) impacted (length) 24

Number of low water crossings 20 Historical road closures -

## Estimated Cost and Funding Availability

Total Cost \$125,000 Amount of Available Funding - Federal funding availability -

Funding source -



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? **-** Emergency Need? **No** Existing/Anticipated models in near term? **-**

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 **8**

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

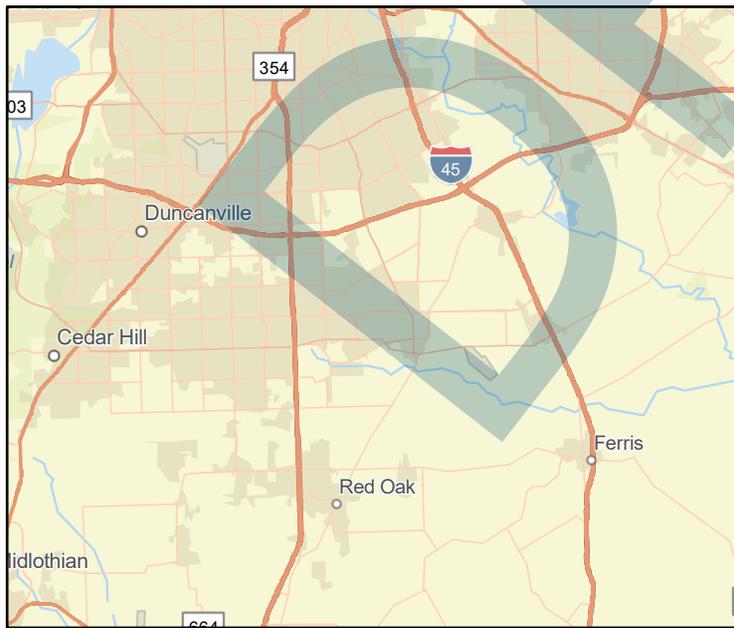
Farm/Ranch land impacted (acres) **2,246** Roadway(s) impacted (length) **40**

Number of low water crossings **35** Historical road closures **-**

## Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **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 **Evaluate the installation and maintenance of gabion walls to mitigate stream bank erosion during extreme flood events**

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

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**

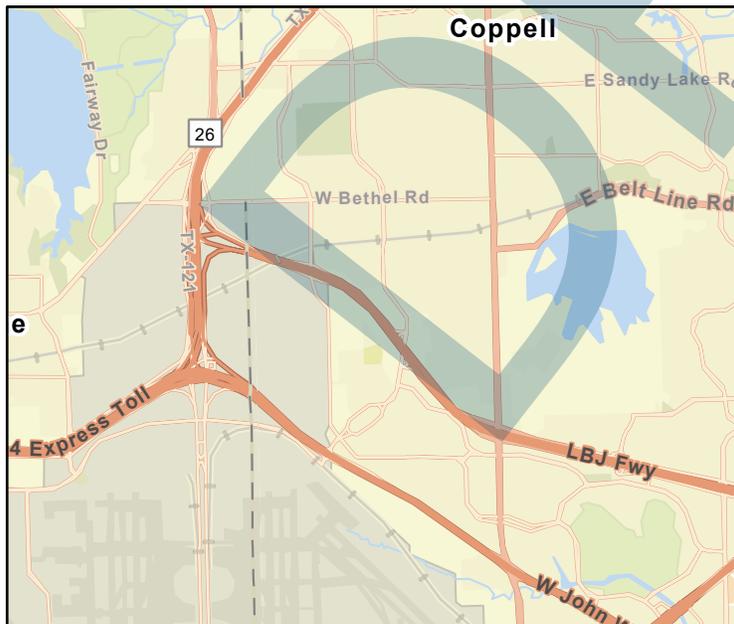
Farm/Ranch land impacted (acres) **26** Roadway(s) impacted (length) **1**

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

## Estimated Cost and Funding Availability

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

Funding source **-**



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 **Evaluate the procurement and installation of flood warning barrier system to prevent motorists from driving into flooded areas.**

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

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 **15**

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

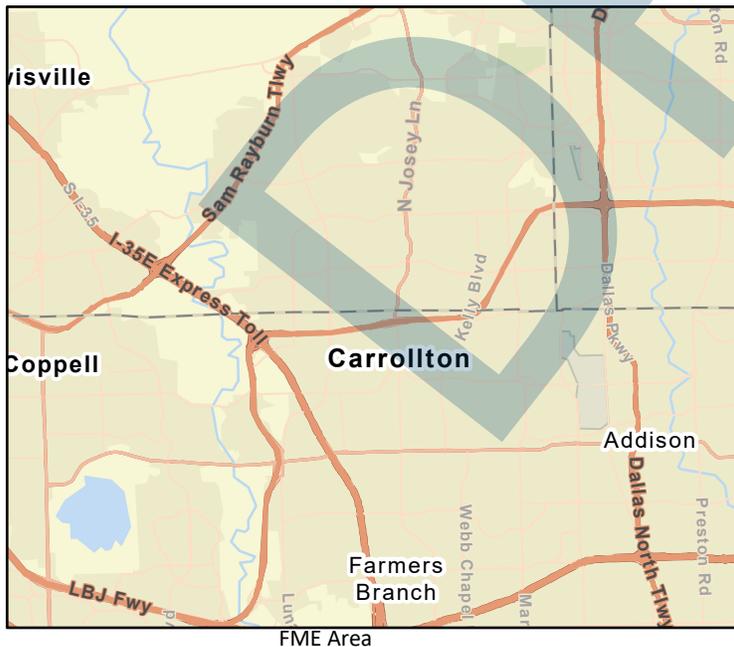
Farm/Ranch land impacted (acres) **617** Roadway(s) impacted (length) **48**

Number of low water crossings **23** Historical road closures **-**

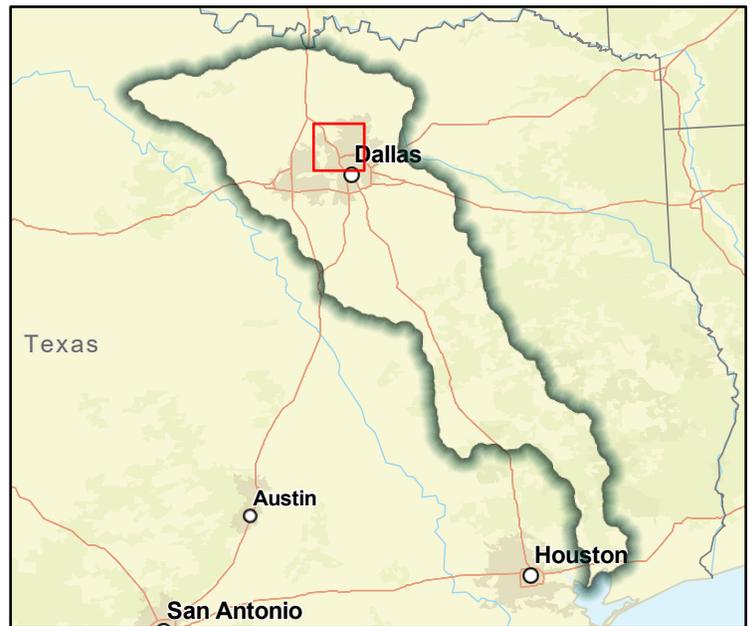
## Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

# 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? **-** Emergency Need? **No** Existing/Anticipated models in near term? **-**

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 **0**

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

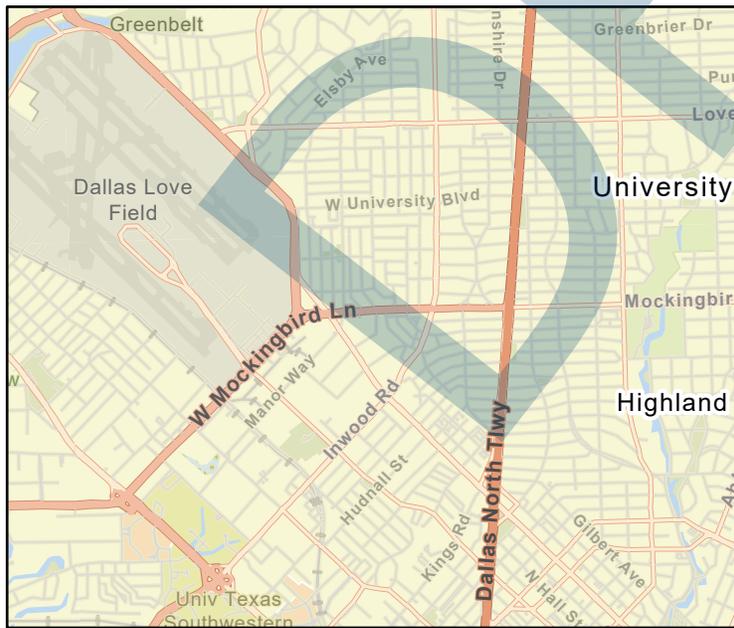
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

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

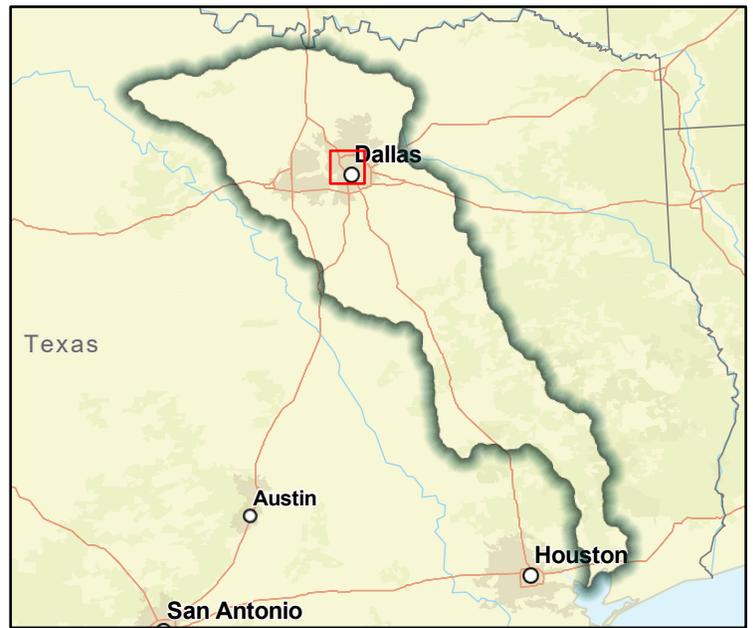
## Estimated Cost and Funding Availability

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

Funding source **-**



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? **-** Emergency Need? **No** Existing/Anticipated models in near term? **-**

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 **2**

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

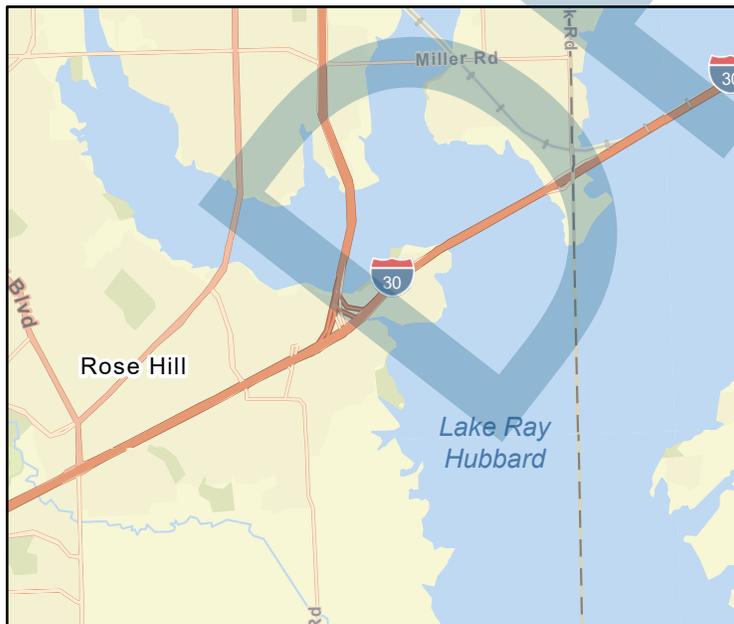
Farm/Ranch land impacted (acres) **20** Roadway(s) impacted (length) **4**

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

## Estimated Cost and Funding Availability

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

Funding source **-**



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? **-** Emergency Need? **No** Existing/Anticipated models in near term? **-**

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**

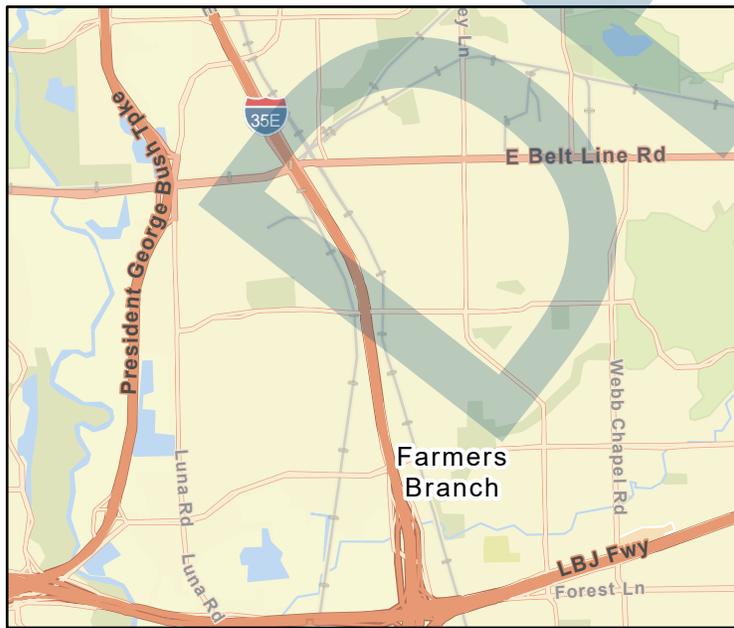
Farm/Ranch land impacted (acres) **129** Roadway(s) impacted (length) **22**

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

## Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

# 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? **-** Emergency Need? **No** Existing/Anticipated models in near term? **-**

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 **15**

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

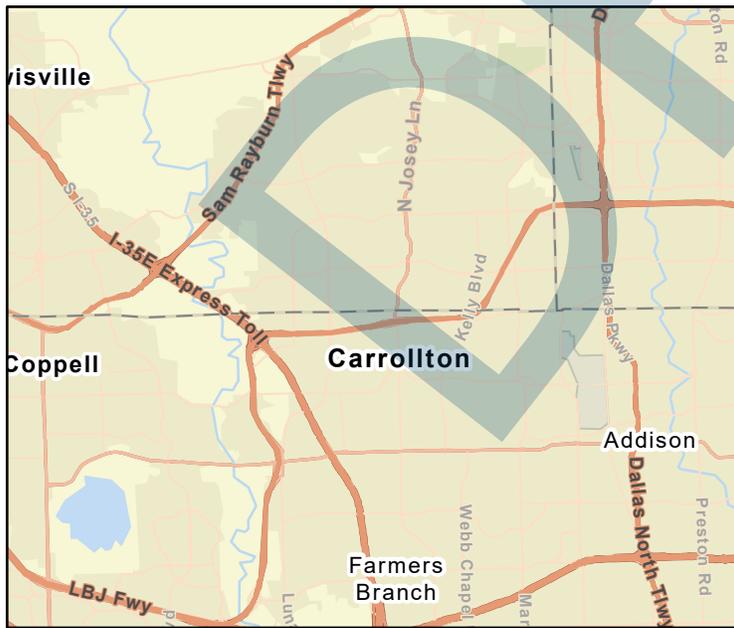
Farm/Ranch land impacted (acres) **617** Roadway(s) impacted (length) **48**

Number of low water crossings **23** Historical road closures **-**

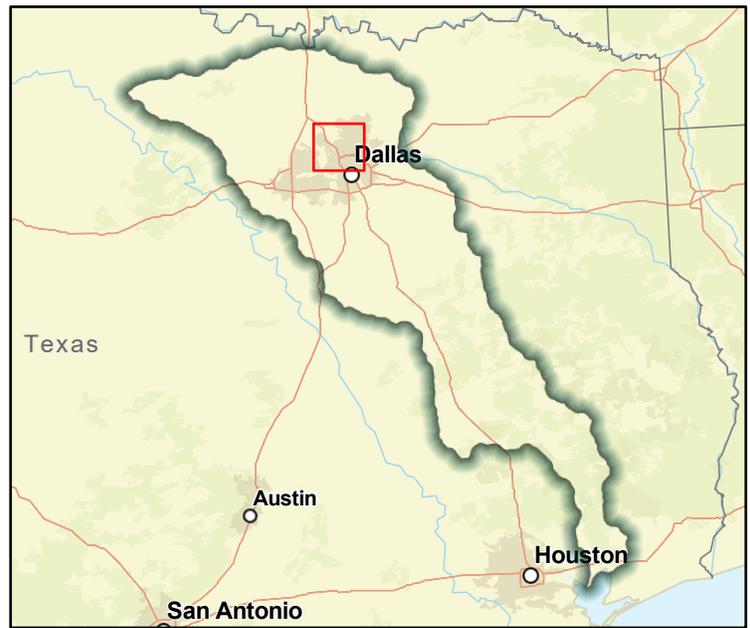
## Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

# 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? - Emergency Need? No Existing/Anticipated models in near term? -

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 4

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

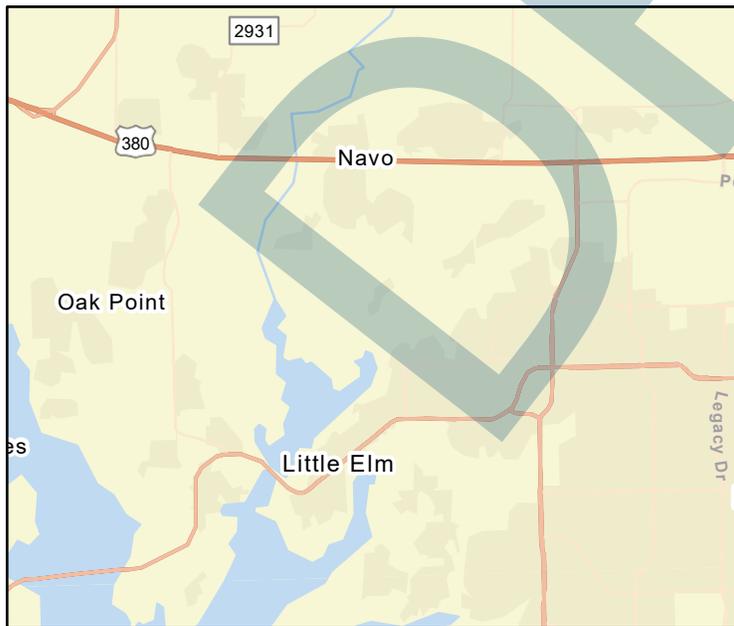
Farm/Ranch land impacted (acres) 788 Roadway(s) impacted (length) 6

Number of low water crossings 0 Historical road closures -

## Estimated Cost and Funding Availability

Total Cost \$1,000,000 Amount of Available Funding - Federal funding availability -

Funding source -



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? **-** Emergency Need? **No** Existing/Anticipated models in near term? **-**

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**

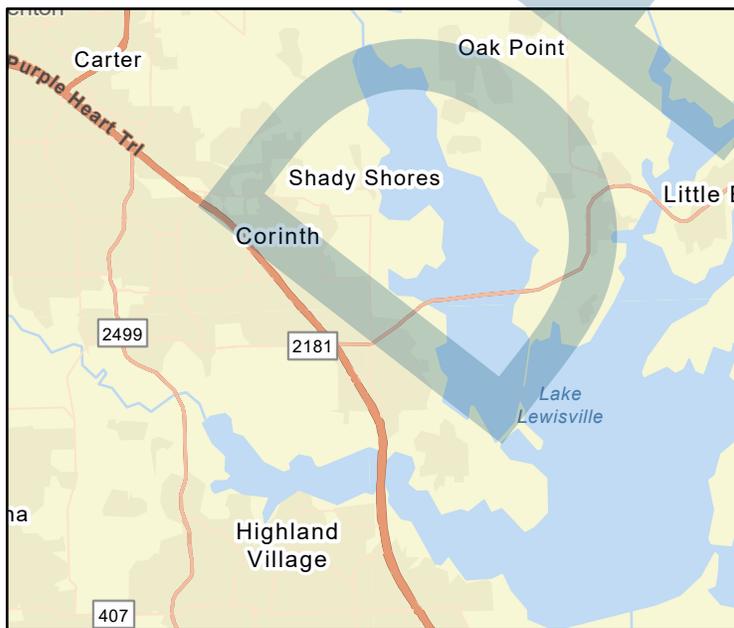
Farm/Ranch land impacted (acres) **218** Roadway(s) impacted (length) **12**

Number of low water crossings **4** Historical road closures **-**

## Estimated Cost and Funding Availability

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

Funding source **-**



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? - Emergency Need? No Existing/Anticipated models in near term? -

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 2

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

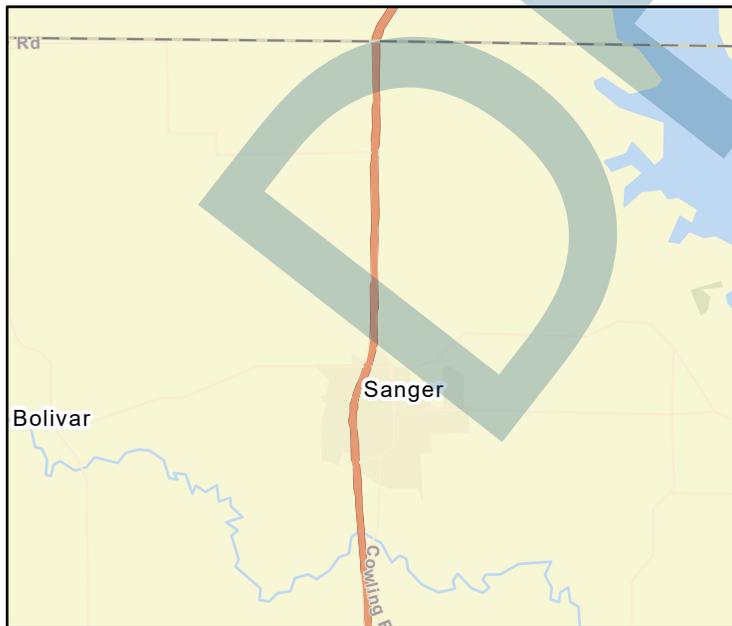
Farm/Ranch land impacted (acres) 921 Roadway(s) impacted (length) 4

Number of low water crossings 0 Historical road closures -

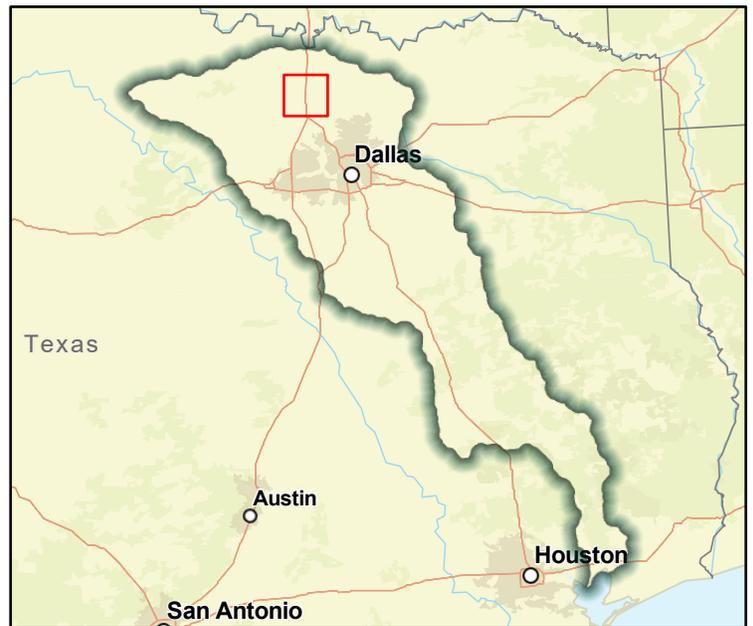
## Estimated Cost and Funding Availability

Total Cost \$600,000 Amount of Available Funding - Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# 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? - Emergency Need? No Existing/Anticipated models in near term? -

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 0

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

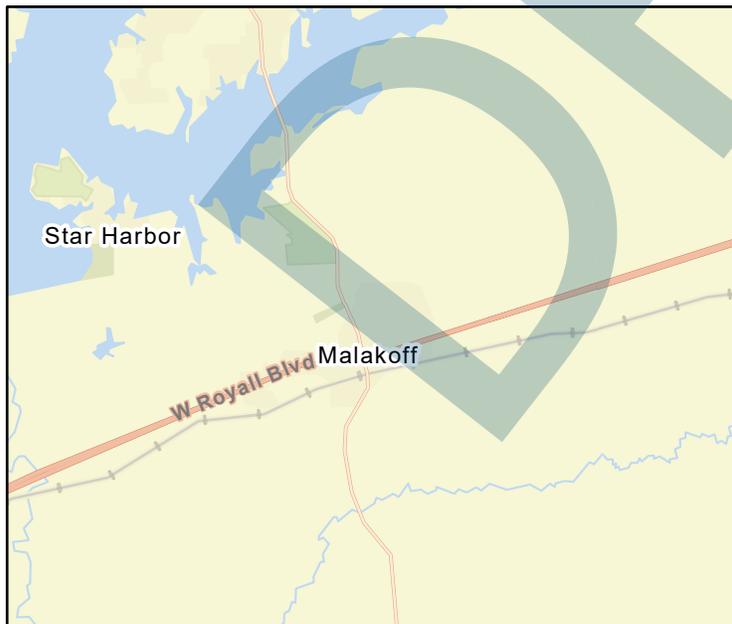
Farm/Ranch land impacted (acres) 43 Roadway(s) impacted (length) 2

Number of low water crossings 1 Historical road closures -

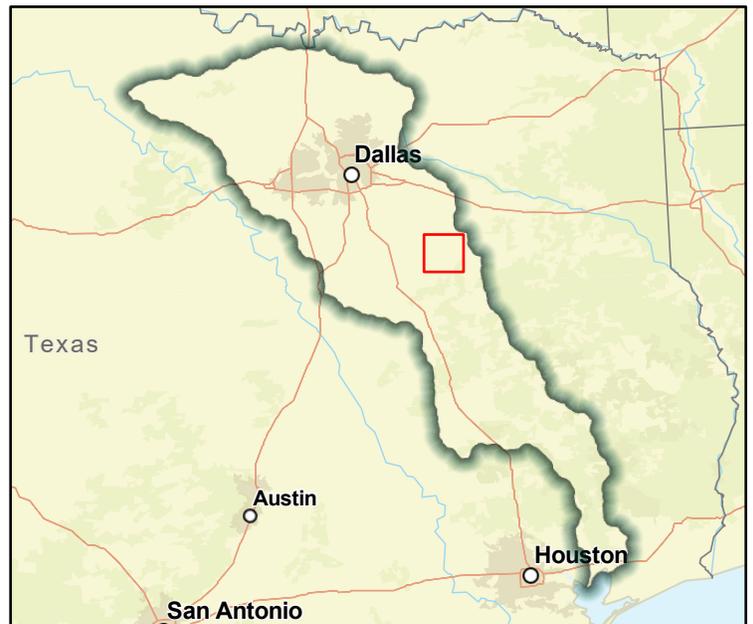
## Estimated Cost and Funding Availability

Total Cost \$500,000 Amount of Available Funding - Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **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? **-** Emergency Need? **No** Existing/Anticipated models in near term? **-**

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 **-** Federal funding availability **-**

Funding source **-**



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? - Emergency Need? No Existing/Anticipated models in near term? -

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

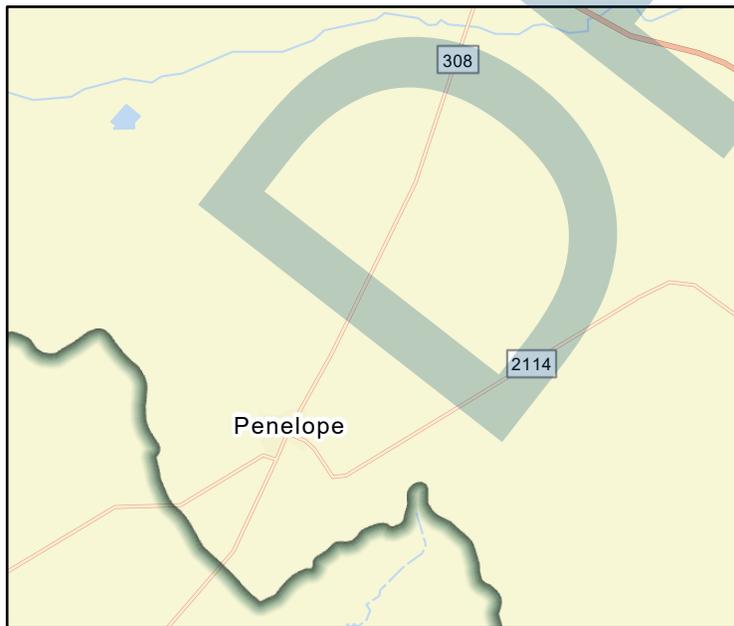
Farm/Ranch land impacted (acres) 939 Roadway(s) impacted (length) 1

Number of low water crossings 0 Historical road closures -

## Estimated Cost and Funding Availability

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

Funding source -



FME Area



Regional view of FME area

# 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**

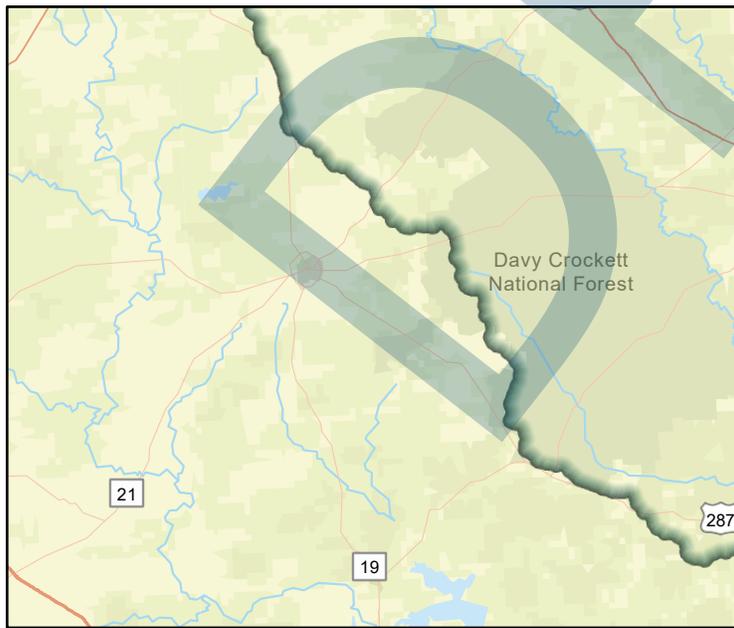
New Hydrologic or Hydraulic model? **-** Emergency Need? **No** Existing/Anticipated models in near term? **-**  
 County **Houston** Watershed HUC# (if known) **120301080106,120602020701,120301080107**  
 Drainage area (Square miles, est.) **1,232** Goal(s) **03000003, 03000004, 03000011, 03000012, 03000019, 03000020**

## 100-Year Flood Risk Summary

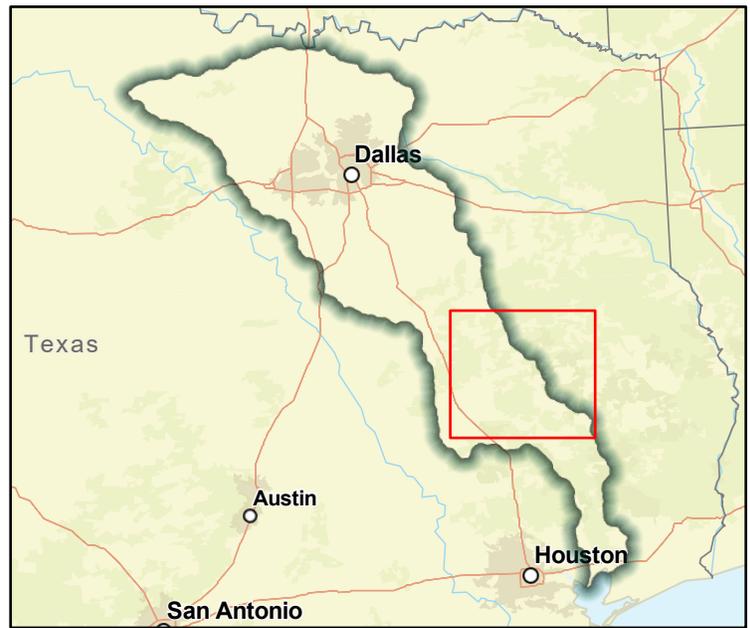
Population at risk **36** # of structures **21** Critical facilities **10**  
 Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**  
 Farm/Ranch land impacted (acres) **46,988** Roadway(s) impacted (length) **110**  
 Number of low water crossings **45** Historical road closures **-**

## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **-** Federal funding availability **-**  
 Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title 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? - Emergency Need? No Existing/Anticipated models in near term? -

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

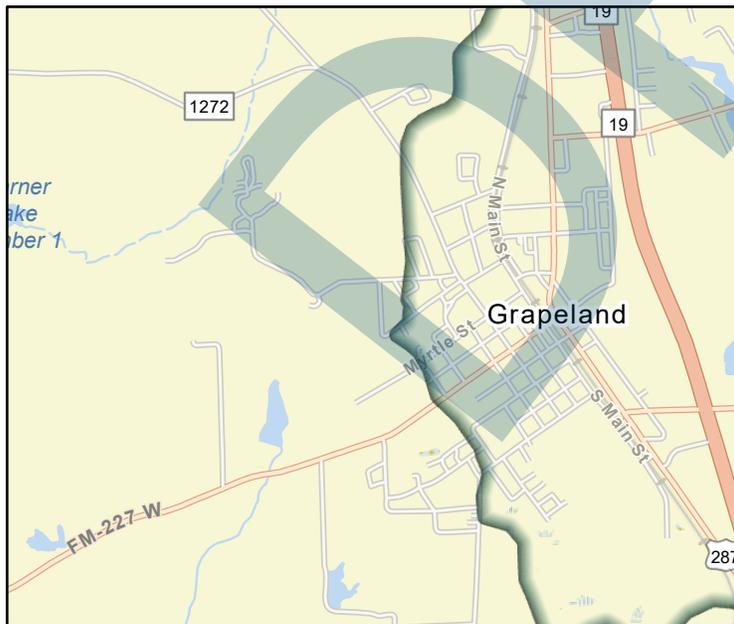
Farm/Ranch land impacted (acres) 3 Roadway(s) impacted (length) 0

Number of low water crossings 0 Historical road closures -

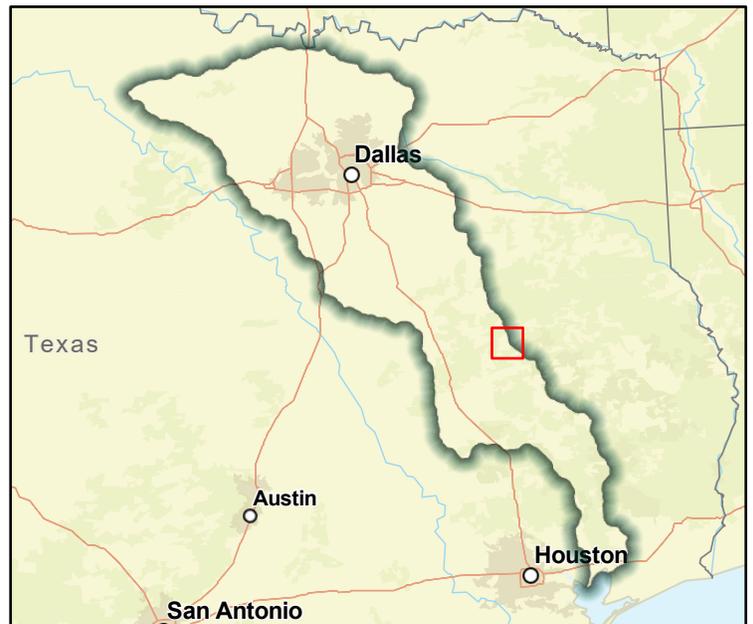
## Estimated Cost and Funding Availability

Total Cost \$150,000 Amount of Available Funding - Federal funding availability -

Funding source -



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.

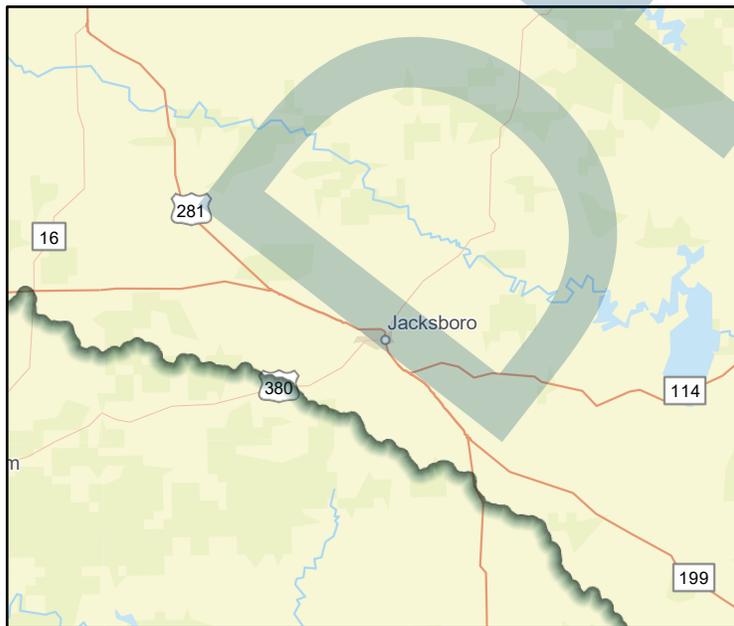
New Hydrologic or Hydraulic model? - Emergency Need? No Existing/Anticipated models in near term? -  
 County Jack Watershed HUC# (if known) 120200010701,120302010702,120302010703  
 Drainage area (Square miles, est.) 917 Goal(s) 03000019, 03000020

## 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 - Federal funding availability -  
 Funding source -



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? **-** Emergency Need? **No** Existing/Anticipated models in near term? **-**

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**

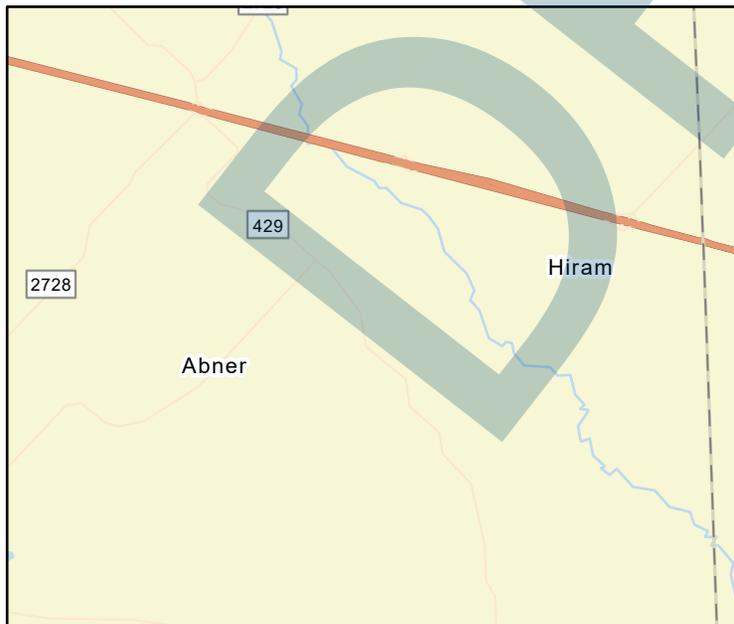
Farm/Ranch land impacted (acres) **1,409** Roadway(s) impacted (length) **1**

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

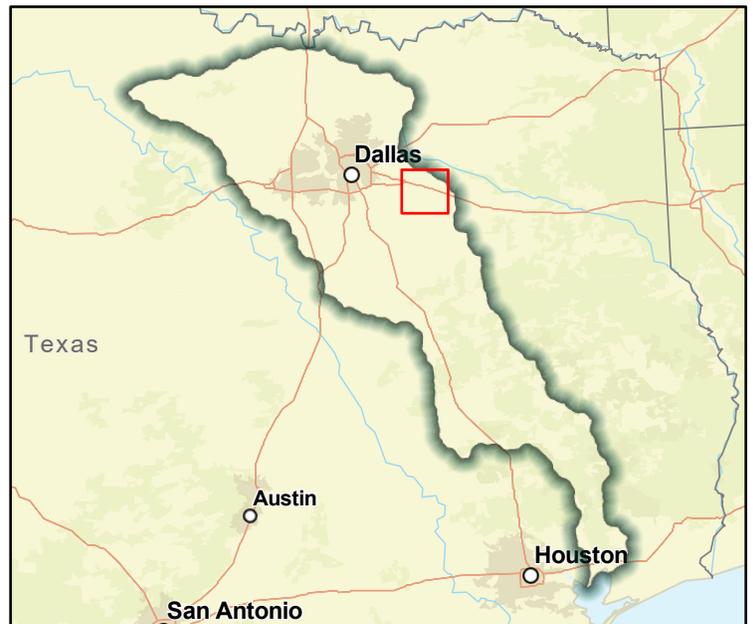
## Estimated Cost and Funding Availability

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

Funding source **-**



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? **-** Emergency Need? **No** Existing/Anticipated models in near term? **-**

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 **4**

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

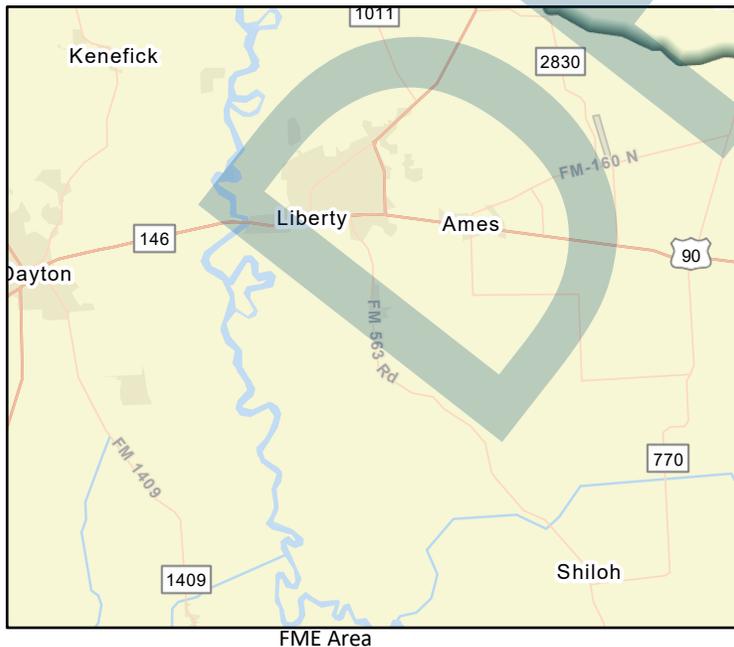
Farm/Ranch land impacted (acres) **3,323** Roadway(s) impacted (length) **34**

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

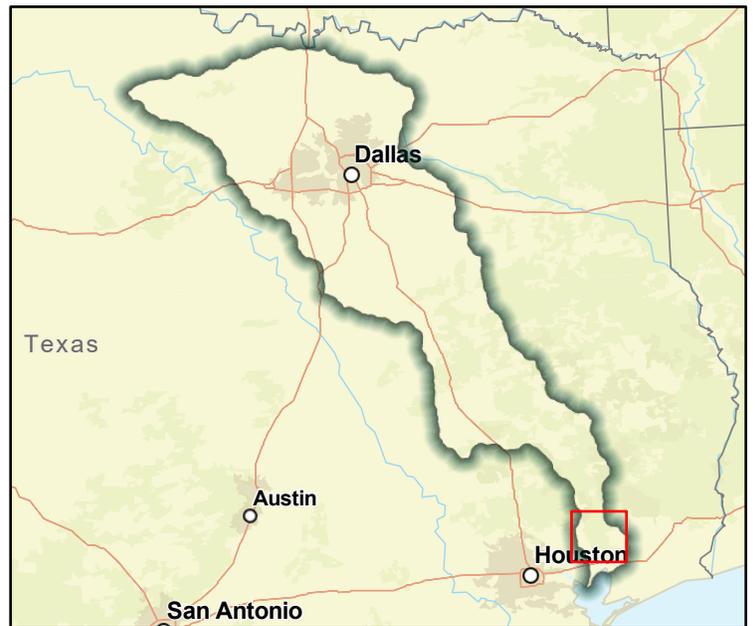
## Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

# 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

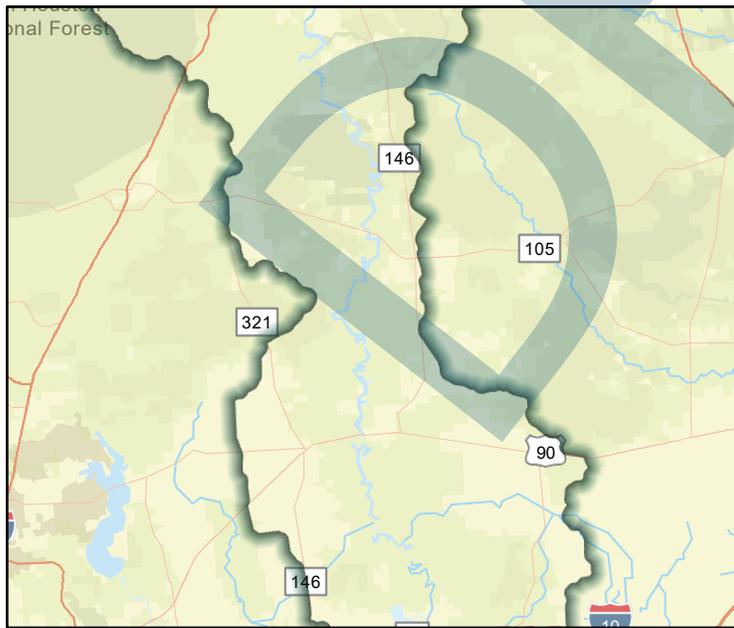
Study type Project Planning  
Study description Evaluate alternatives to dechannelize existing feeder creeks that flow from north to south and improve drainage for storm water runoff  
New Hydrologic or Hydraulic model? - Emergency Need? No Existing/Anticipated models in near term? -  
County Liberty Watershed HUC# (if known) 120301020606,120301020607,120301020702  
Drainage area (Square miles, est.) 1,169 Goal(s) 03000029, 03000030

## 100-Year Flood Risk Summary

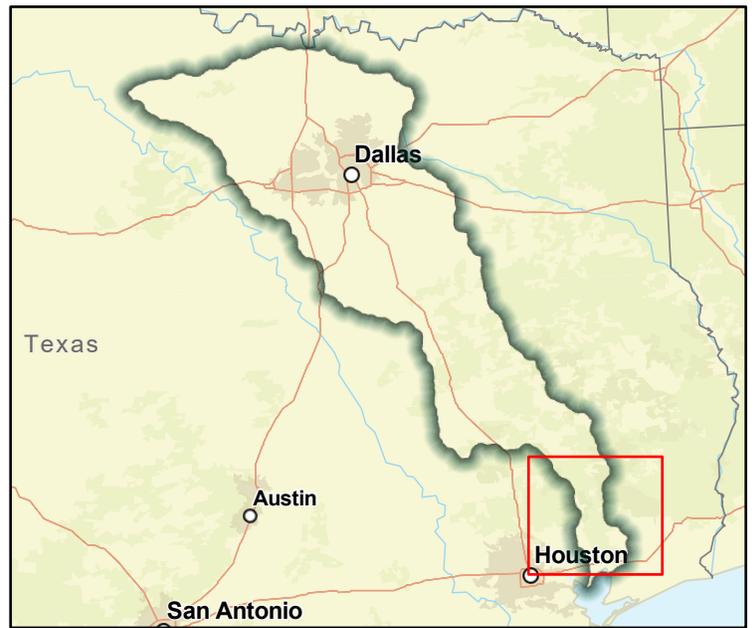
Population at risk 12,221 # of structures 8,682 Critical facilities 72  
Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No  
Farm/Ranch land impacted (acres) 71,162 Roadway(s) impacted (length) 257  
Number of low water crossings 21 Historical road closures -

## Estimated Cost and Funding Availability

Total Cost \$500,000 Amount of Available Funding - Federal funding availability -  
Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **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? **-** Emergency Need? **No** Existing/Anticipated models in near term? **-**

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**

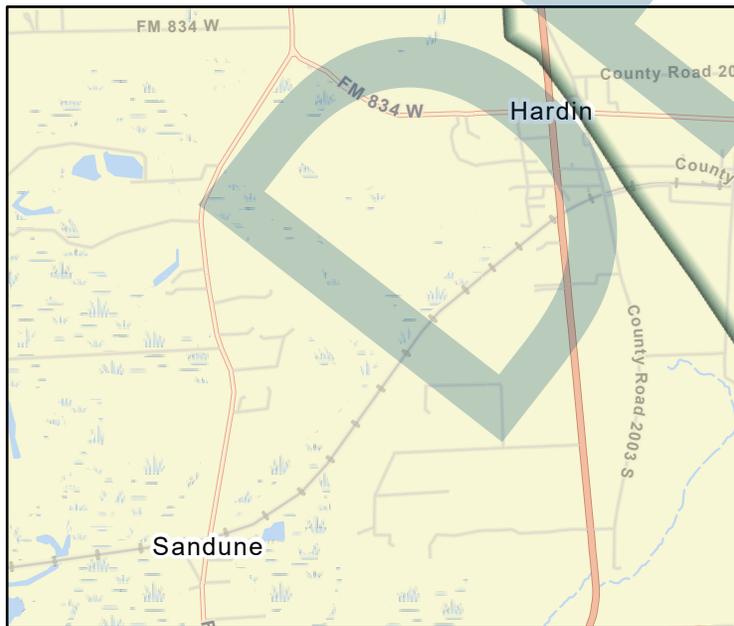
Farm/Ranch land impacted (acres) **287** Roadway(s) impacted (length) **0**

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

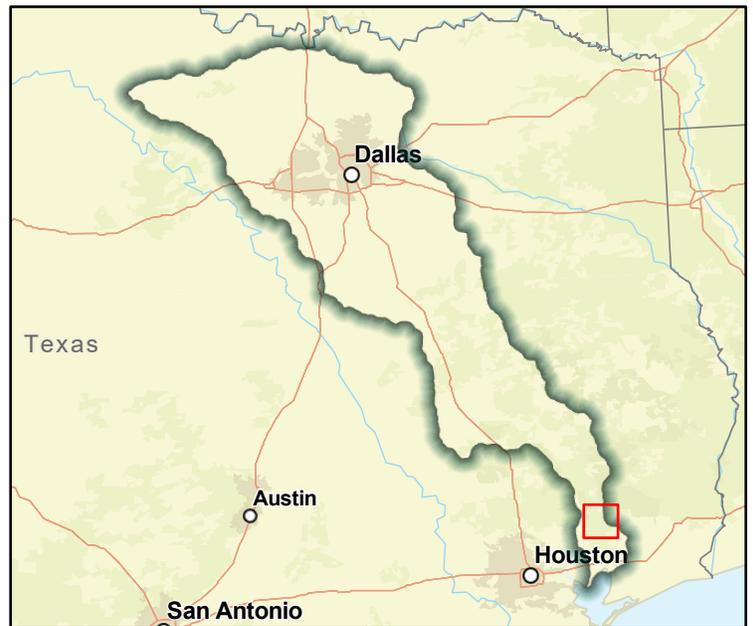
## Estimated Cost and Funding Availability

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

Funding source **-**



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? **-** Emergency Need? **No** Existing/Anticipated models in near term? **-**

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**

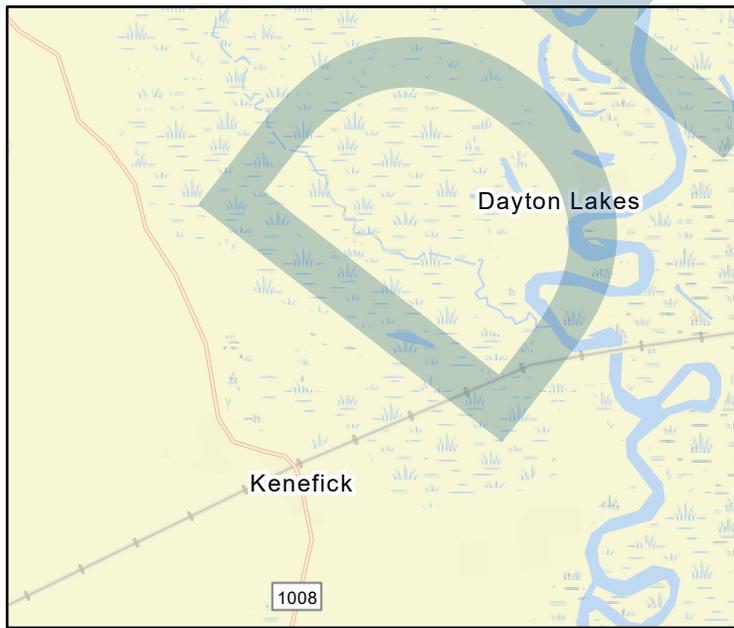
Farm/Ranch land impacted (acres) **176** Roadway(s) impacted (length) **4**

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

## Estimated Cost and Funding Availability

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

Funding source **-**



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? **-** Emergency Need? **No** Existing/Anticipated models in near term? **-**

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 **38**

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

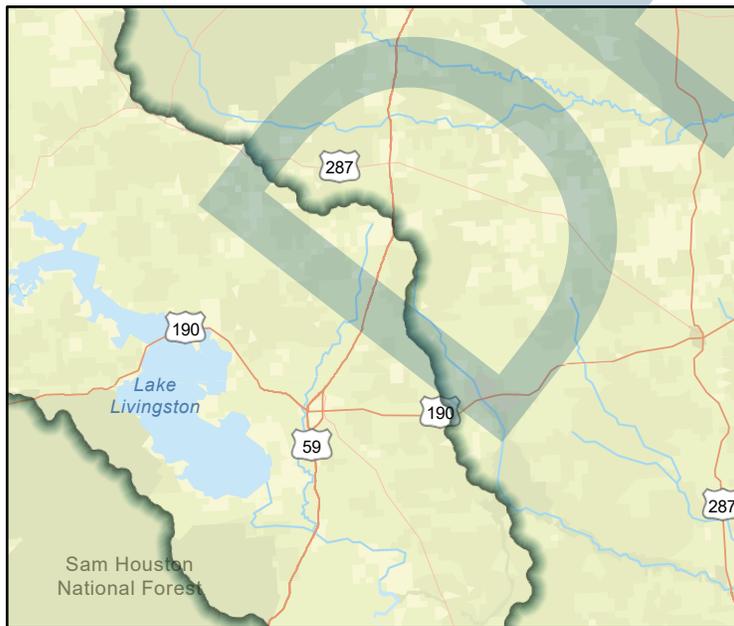
Farm/Ranch land impacted (acres) **15,994** Roadway(s) impacted (length) **92**

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

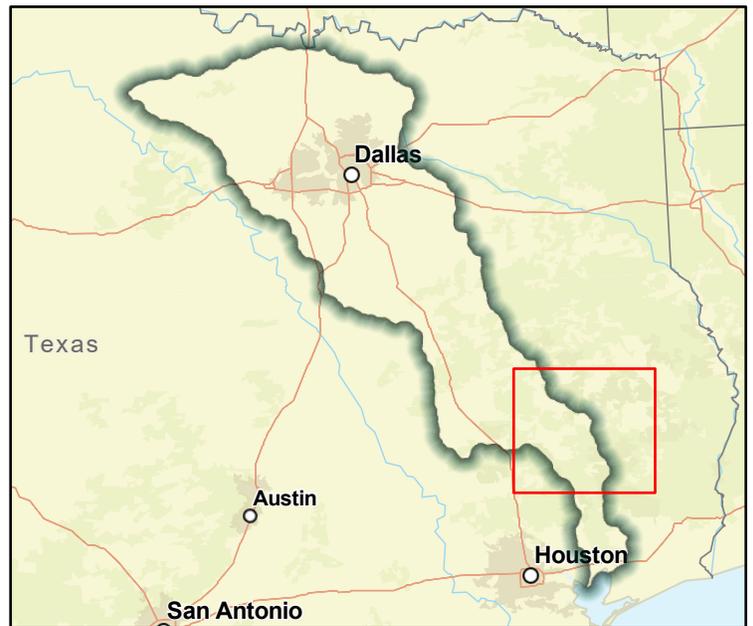
## Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **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? **-** Emergency Need? **No** Existing/Anticipated models in near term? **-**

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**

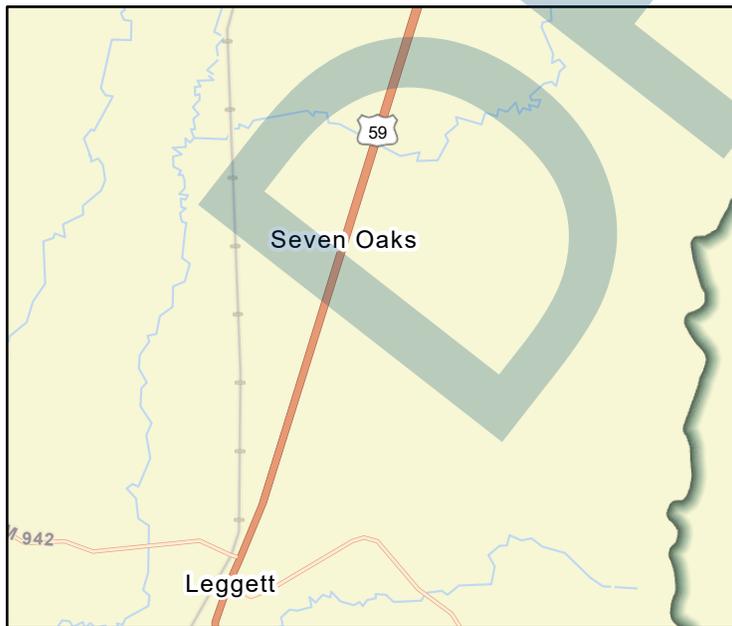
Farm/Ranch land impacted (acres) **552** Roadway(s) impacted (length) **1**

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

## Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area