

Flood Management Evaluation (FME)



Title Floodplain Mapping Updates of Unnamed 5 Tributary 1

ID# 031000507

Sponsor (name of entity, not person) Flower Mound

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

Study Details

Study type Watershed Planning

Study description Floodplain mapping of Unnamed 5 Tributary 1 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.

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

County Denton Watershed HUC# (if known) 120301031002,120301040306

Drainage area (Square miles, est.) 1 Goal(s) 03000005, 03000006, 03000009, 03000010

100-Year Flood Risk Summary

Population at risk 2,129 # of structures 524 Critical facilities 79

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

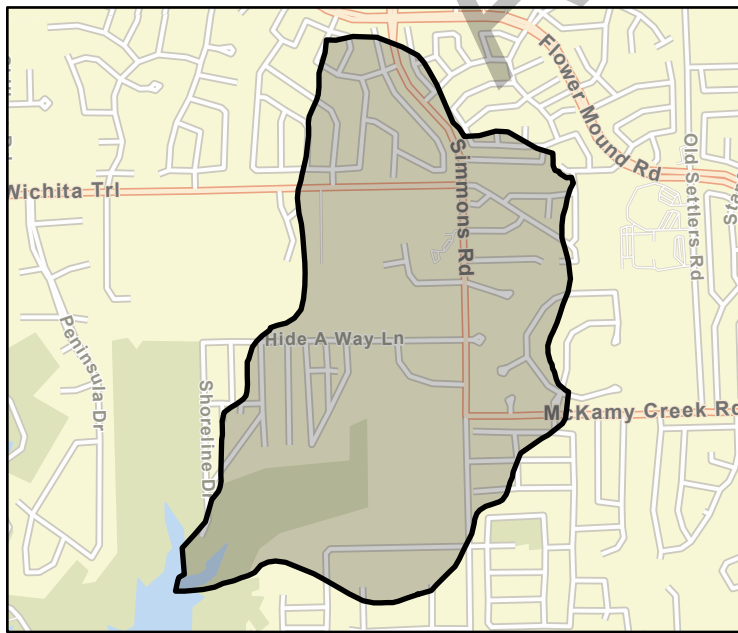
Farm/Ranch land impacted (acres) 68 Roadway(s) impacted (length) 34

Number of low water crossings 0 Historical road closures -

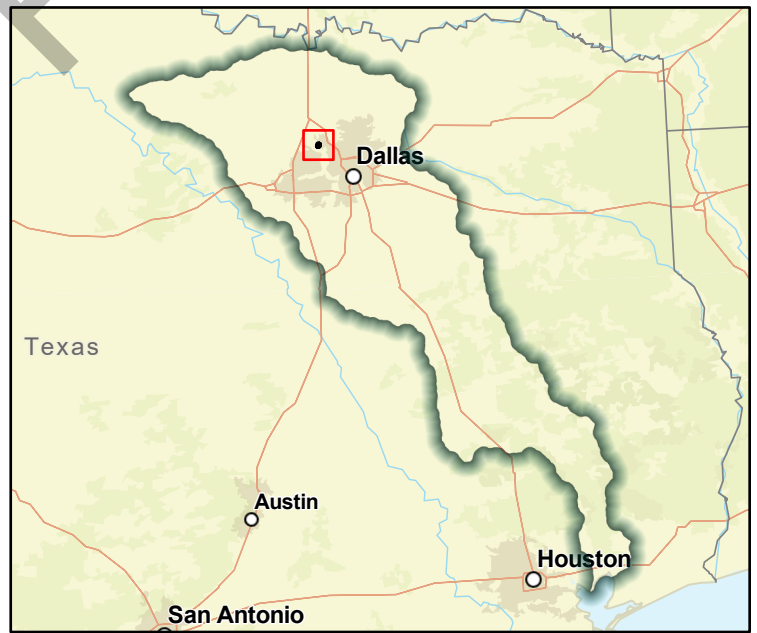
Estimated Cost and Funding Availability

Total Cost \$57,000 Amount of Available Funding - Federal funding availability -

Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Floodplain Mapping Updates of Unnamed Tributary to Bakers Branch
 ID# 031000508
 Sponsor (name of entity, not person) Flower Mound
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

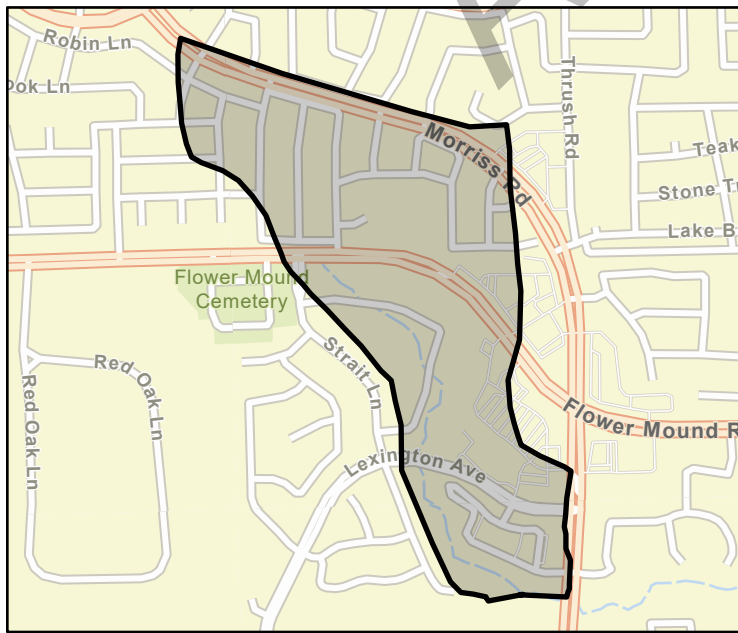
Study type Watershed Planning
 Study description Floodplain mapping of Unnamed Tributary to Bakers Branch to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.
 New Hydrologic or Hydraulic model? - Emergency Need? No Existing/Anticipated models in near term? -
 County Denton Watershed HUC# (if known) 120301031002,120301040307
 Drainage area (Square miles, est.) 0 Goal(s) 03000005, 03000006, 03000009, 03000010

100-Year Flood Risk Summary

Population at risk 1,248 # of structures 245 Critical facilities 37
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres) 0 Roadway(s) impacted (length) 35
 Number of low water crossings 0 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$56,000 Amount of Available Funding - Federal funding availability -
 Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Floodplain Mapping Updates of WB-1 Tributary 1

ID# 031000509

Sponsor (name of entity, not person) Flower Mound

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

Study Details

Study type Watershed Planning

Study description Floodplain mapping of WB-1 Tributary 1 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.

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

County Denton Watershed HUC# (if known) 120301040304,120301040305

Drainage area (Square miles, est.) 0 Goal(s) 03000005, 03000006, 03000009, 03000010

100-Year Flood Risk Summary

Population at risk 21 # of structures 2 Critical facilities 7

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

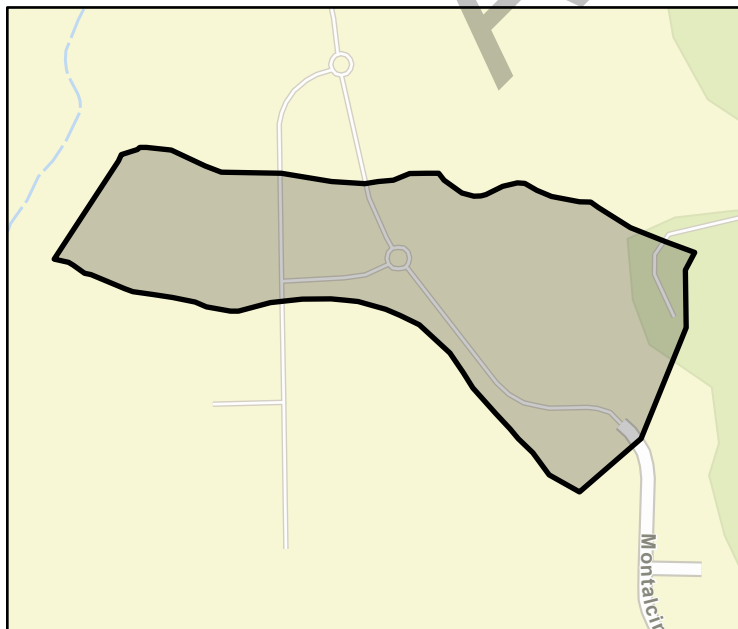
Farm/Ranch land impacted (acres) 13 Roadway(s) impacted (length) 2

Number of low water crossings 0 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$59,000 Amount of Available Funding - Federal funding availability -

Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Floodplain Mapping Updates of Whites Branch Tributary 2.1**

ID# **031000510**

Sponsor (name of entity, not person) **Flower Mound**

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

Study Details

Study type **Watershed Planning**

Study description **Floodplain mapping updates of Whites Branch Tributary 2.1. Establish BFE's and convert Zone A to Zone AE via a LOMR.**

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

County **Denton** Watershed HUC# (if known) **120301040304**

Drainage area (Square miles, est.) **0** Goal(s) **03000005, 03000006**

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**

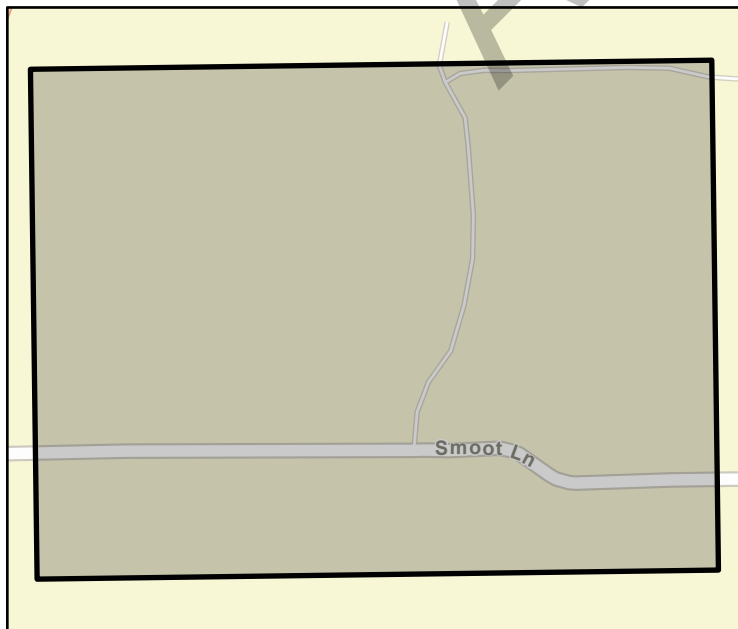
Farm/Ranch land impacted (acres) **18** Roadway(s) impacted (length) **0**

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

Estimated Cost and Funding Availability

Total Cost **\$58,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Floodplain Mapping Updates of Whites Branch Tributary 2

ID# 031000511

Sponsor (name of entity, not person) Flower Mound

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

Study Details

Study type Watershed Planning

Study description Floodplain mapping updates of Whites Branch Tributary 2. Establish BFE's and convert Zone A to Zone AE via a LOMR.

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

County Denton Watershed HUC# (if known) 120301040304

Drainage area (Square miles, est.) 2 Goal(s) 03000005, 03000006

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) 55 Roadway(s) impacted (length) 0

Number of low water crossings 0 Historical road closures -

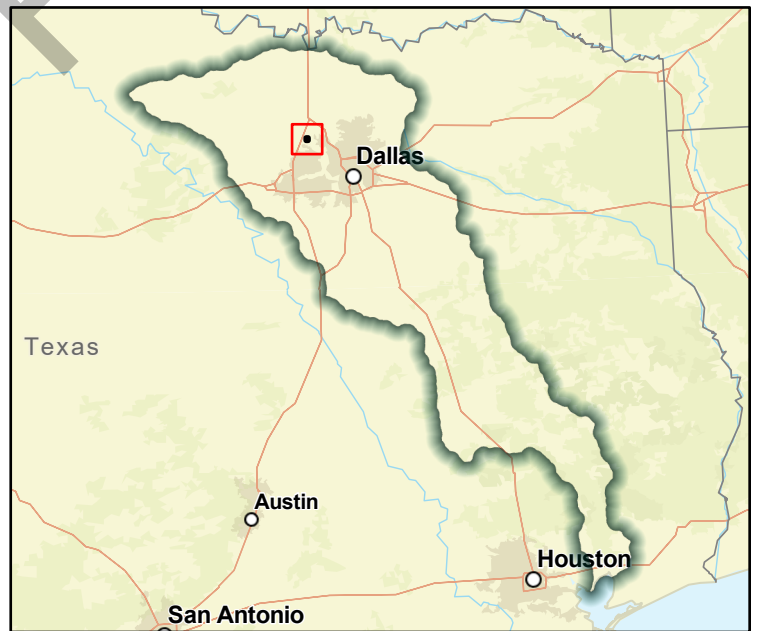
Estimated Cost and Funding Availability

Total Cost \$61,000 Amount of Available Funding - Federal funding availability -

Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Floodplain Mapping Updates of Whites Branch
 ID# 031000512
 Sponsor (name of entity, not person) Flower Mound
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

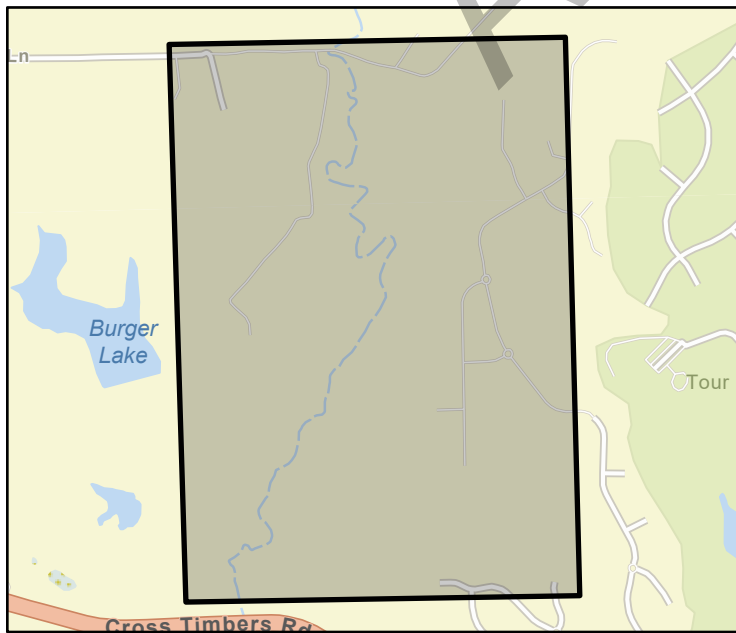
Study type Watershed Planning
 Study description Floodplain mapping updates of Whites Branch. Establish BFE's and convert Zone A to Zone AE via a LOMR.
 New Hydrologic or Hydraulic model? - Emergency Need? No Existing/Anticipated models in near term? -
 County Denton Watershed HUC# (if known) 120301040304,120301040305
 Drainage area (Square miles, est.) 1 Goal(s) 03000005, 03000006

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) 18 Roadway(s) impacted (length) 0
 Number of low water crossings 0 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$67,000 Amount of Available Funding - Federal funding availability -
 Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Floodplain Mapping Updates of Wichita Chase Tributary

ID# 031000513

Sponsor (name of entity, not person) Flower Mound

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

Study Details

Study type Watershed Planning

Study description Floodplain mapping updates of Wichita Chase Tributary. Establish BFE's and convert Zone A to Zone AE via a LOMR.

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

County Denton Watershed HUC# (if known) 120301031002,120301040306

Drainage area (Square miles, est.) 1 Goal(s) 03000005, 03000006

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

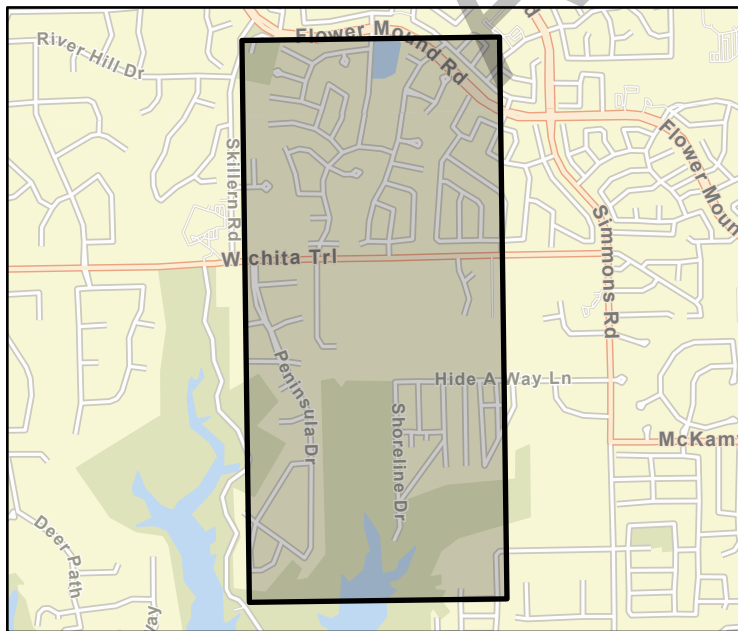
Farm/Ranch land impacted (acres) 10 Roadway(s) impacted (length) 0

Number of low water crossings 0 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$60,000 Amount of Available Funding - Federal funding availability -

Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Floodplain Mapping Updates of Wichita Creek**

ID# **031000514**

Sponsor (name of entity, not person) **Flower Mound**

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

Study Details

Study type **Watershed Planning**

Study description **Floodplain mapping updates of Wichita Creek. Establish BFE's and convert Zone A to Zone AE via a LOMR.**

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

County **Denton** Watershed HUC# (if known) **120301040306**

Drainage area (Square miles, est.) **0** Goal(s) **03000005, 03000006**

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**

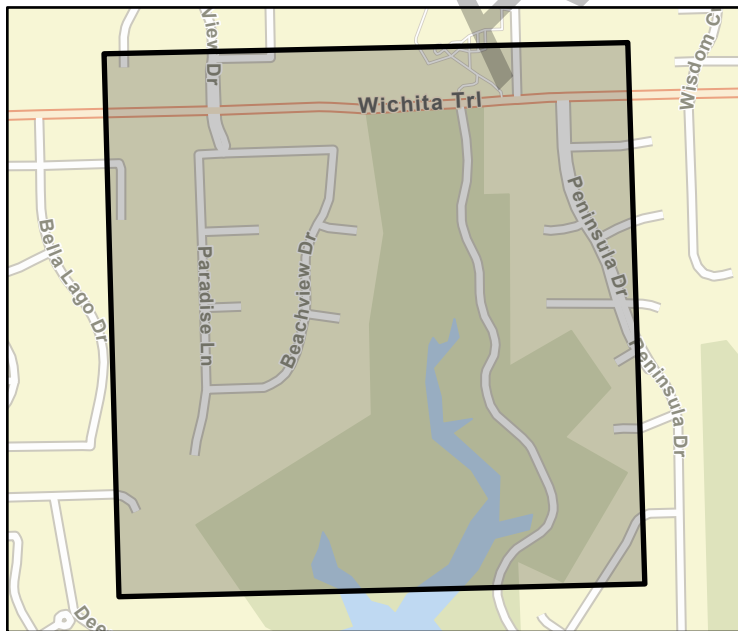
Farm/Ranch land impacted (acres) **4** Roadway(s) impacted (length) **0**

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

Estimated Cost and Funding Availability

Total Cost **\$64,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Hydrologic Updates of Town Wide Fully Developed Hydrology
 ID# 031000515
 Sponsor (name of entity, not person) Flower Mound
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

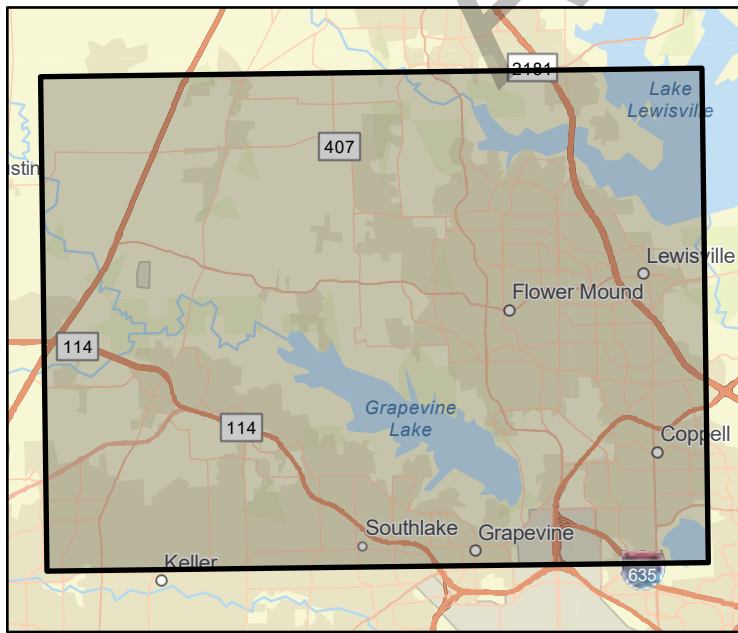
Study type Watershed Planning
 Study description Hydrologic updates to Town of Flower Mound's Town Wide Fully Developed Hydrologic Model.
 New Hydrologic or Hydraulic model? - Emergency Need? No Existing/Anticipated models in near term? -
 County Tarrant,Dallas,Denton Watershed HUC# (if known) 120301020703,120301030902,120301030905,120301030906,120301031
 Drainage area (Square miles, est.) 242 Goal(s) 03000005, 03000006

100-Year Flood Risk Summary

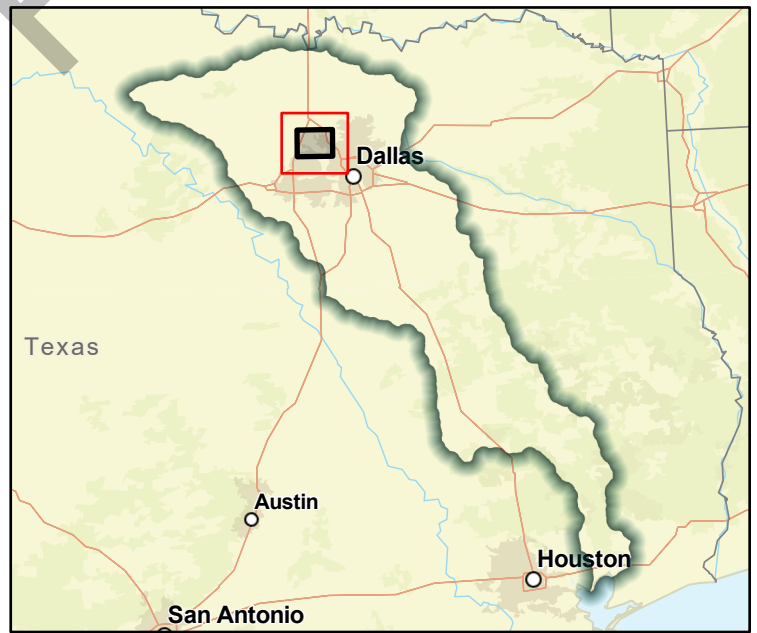
Population at risk 13,218 # of structures 1,485 Critical facilities 0
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres) 4,911 Roadway(s) impacted (length) 101
 Number of low water crossings 37 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$5,181,000 Amount of Available Funding - Federal funding availability -
 Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Kaufman County Countywide Drainage Study - Phase 2
 ID# 031000516
 Sponsor (name of entity, not person) Kaufman County
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

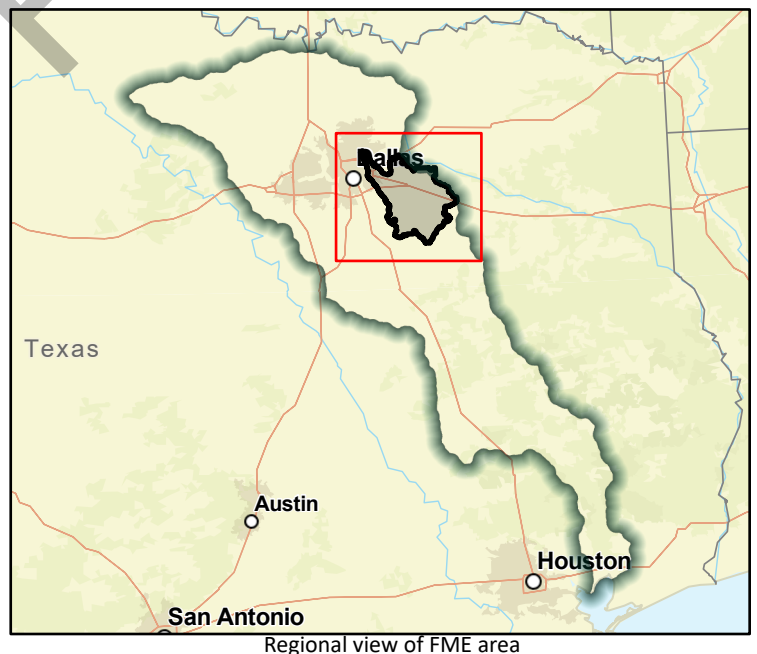
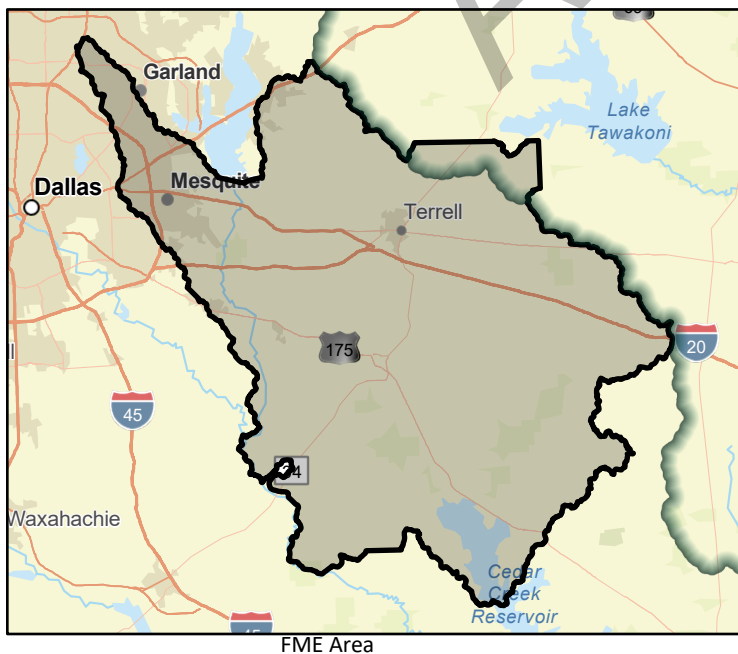
Study type Watershed Planning
 Study description Kaufman Countywide Drainage Study – Phase 2. Development of detailed hydraulic models for additional areas of high flood risk identified in Phase 1. Perform alternatives analysis and develop FMPs for second cycle of the State Flood Plan.
 New Hydrologic or Hydraulic model? - Emergency Need? No Existing/Anticipated models in near term? -
 County Kaufman Watershed HUC# (if known) -
 Drainage area (Square miles, est.) 1,118 Goal(s) 03000007, 03000008

100-Year Flood Risk Summary

Population at risk 15,711 # of structures 4,233 Critical facilities 0
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres) 108,153 Roadway(s) impacted (length) 230
 Number of low water crossings 91 Historical road closures -

Estimated Cost and Funding Availability

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



Flood Management Evaluation (FME)



Title Phase #2 of Stormwater Master Plan
 ID# 031000517
 Sponsor (name of entity, not person) Denton
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

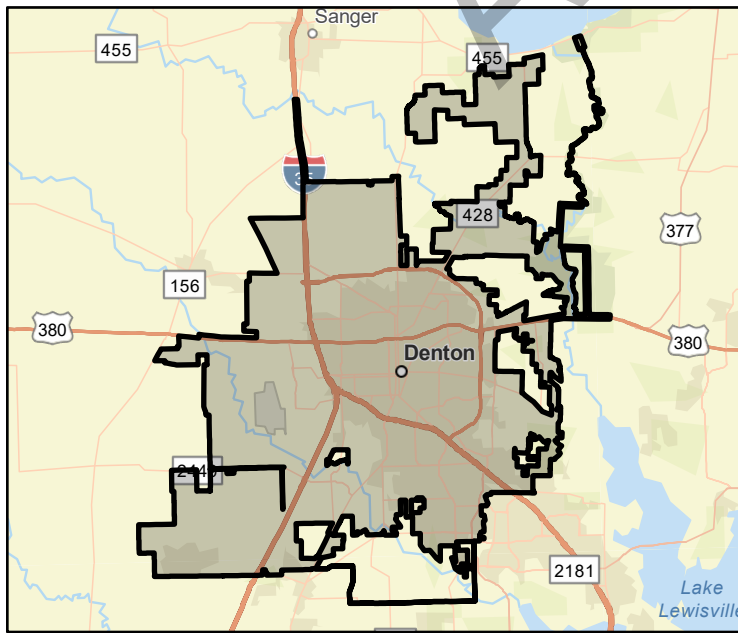
Study type Watershed Planning
 Study description Part of the City of Denton's Comprehensive Storm Water Master Plan. This study identifies potential flood risk and develops projects that will reduce flooding by improving the efficiency of the storm sewers.
 New Hydrologic or Hydraulic model? - Emergency Need? No Existing/Anticipated models in near term? -
 County Denton Watershed HUC# (if known) 120301030901,120301030902,120301030801,120301030805,120301030
 Drainage area (Square miles, est.) 101 Goal(s) 03000009, 03000010, 03000031, 03000032

100-Year Flood Risk Summary

Population at risk 146,583 # of structures 38,076 Critical facilities 4,157
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres) 33,144 Roadway(s) impacted (length) 1,717
 Number of low water crossings 41 Historical road closures -

Estimated Cost and Funding Availability

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



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Copper Canyon Master Drainage Plan/Study**

ID# **031000518**

Sponsor (name of entity, not person) **Copper Canyon**

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

Study Details

Study type **Watershed Planning**

Study description **Evaluate City and identify future projects.**

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

County **Denton** Watershed HUC# (if known) **120301030805,120301031002,120301030804**

Drainage area (Square miles, est.) **5** Goal(s) **03000009, 03000010, 03000031, 03000032**

100-Year Flood Risk Summary

Population at risk **1,868** # of structures **816** Critical facilities **133**

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

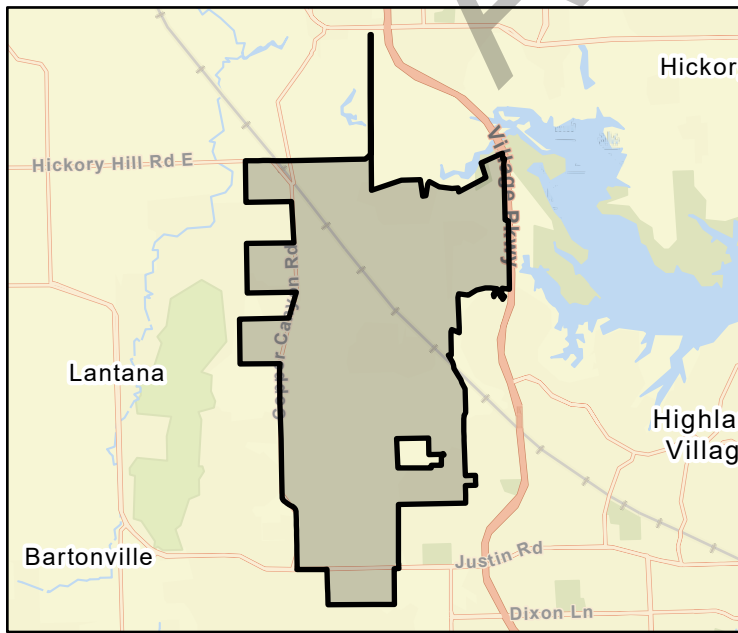
Farm/Ranch land impacted (acres) **1,466** Roadway(s) impacted (length) **58**

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

Estimated Cost and Funding Availability

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

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Mill Creek Drainage Relief System - Upper-Middle Improvements

ID# 031000519

Sponsor (name of entity, not person) Dallas

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

Study Details

Study type Project Planning

Study description Proposed lateral improvements, tunnel alignments, and trunk improvements for overall drainage relief. Anticipated const. cost = \$35,509,837

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

County Dallas Watershed HUC# (if known) 120301050106,120301050105,120301050101,120301050108,120301050

Drainage area (Square miles, est.) 18 Goal(s) 03000013, 03000014, 03000031, 03000032

100-Year Flood Risk Summary

Population at risk 118,264 # of structures 28,854 Critical facilities 2,321

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

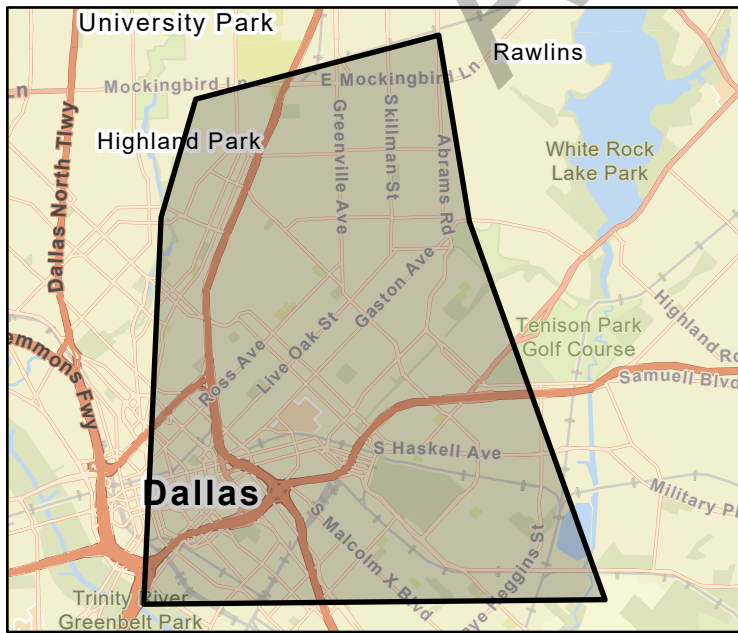
Farm/Ranch land impacted (acres) 172 Roadway(s) impacted (length) 1,294

Number of low water crossings 9 Historical road closures -

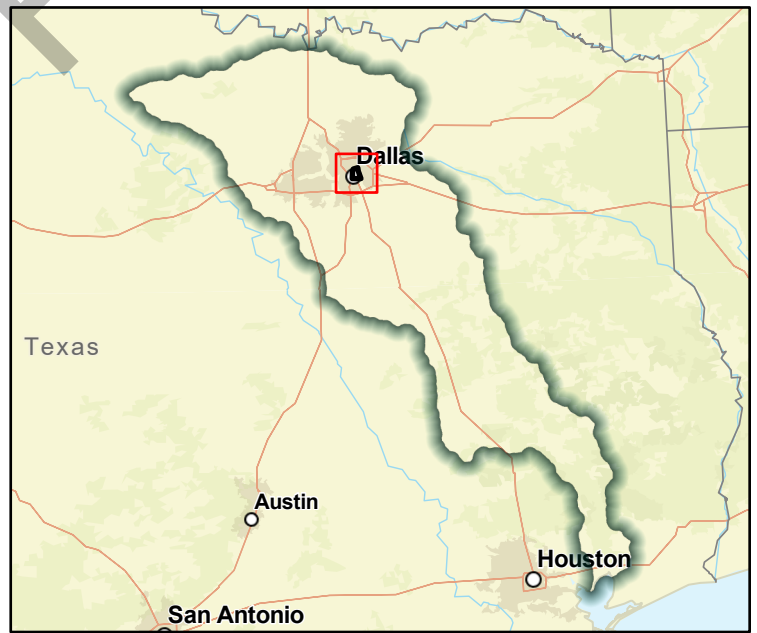
Estimated Cost and Funding Availability

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

Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Village Creek Clubhouse Dr Improvements – Culverts
 ID# 031000520
 Sponsor (name of entity, not person) Burlison

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

Study Details

Study type Project Planning
 Study description Study to assess the efficacy of alleviating overtopping of Clubhouse Dr by raising the roadway elevation and either improving culverts or replacing them with a 375' bridge.

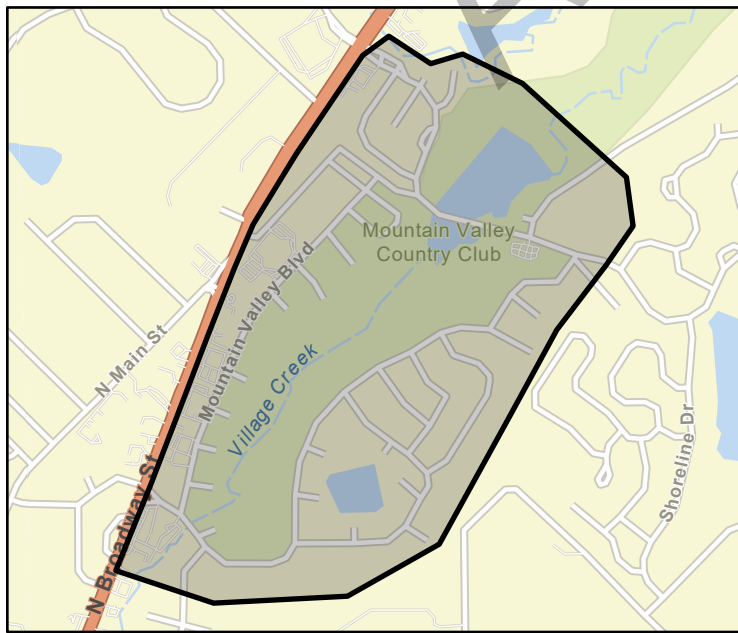
New Hydrologic or Hydraulic model? - Emergency Need? No Existing/Anticipated models in near term? -
 County Johnson Watershed HUC# (if known) 120301020401
 Drainage area (Square miles, est.) 1 Goal(s) 03000013, 03000014

100-Year Flood Risk Summary

Population at risk 155 # of structures 33 Critical facilities 0
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres) 18 Roadway(s) impacted (length) 1
 Number of low water crossings 0 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$1,065,000 Amount of Available Funding - Federal funding availability -
 Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Montclair No 2 & 3 Drainage Improvements (Alternative 2)**

ID# **031000521**

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 **Study to mitigate proposed improvements include a new storm drainage system along La Jolla from previous study. Alternative 2 includes additional inlets on Intervale Drive, Mill River Drive, La Jolla Drive, and Birchwood Drive.**

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

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

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

100-Year Flood Risk Summary

Population at risk **5** # of structures **3** Critical facilities **0**

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

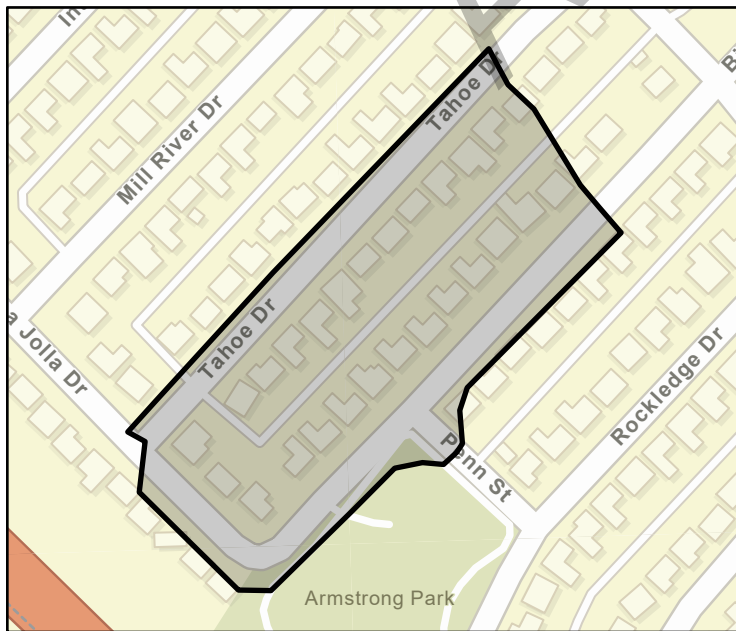
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

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

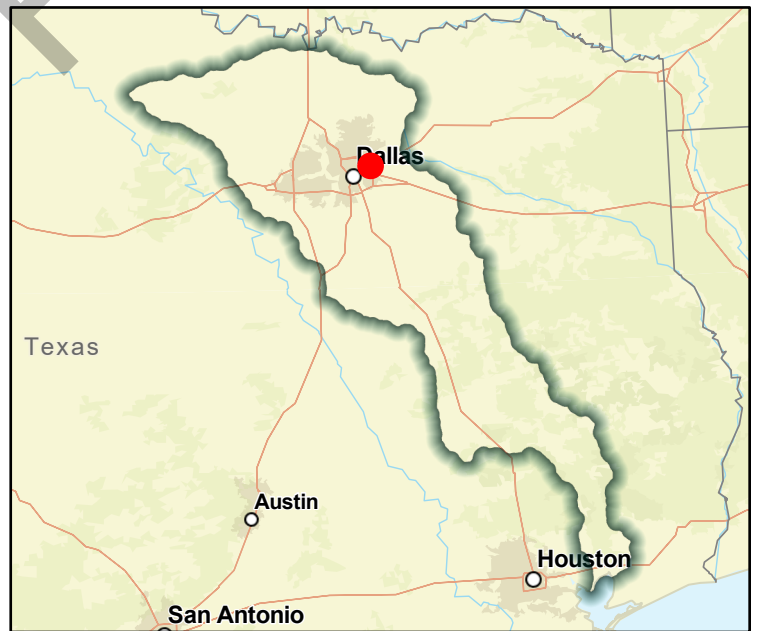
Estimated Cost and Funding Availability

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

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Terrell KC2 Watershed Drainage Improvements**

ID# **031000522**

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

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

Study Details

Study type **Project Planning**

Study description **Proposed drainage improvements throughout watershed including increased culvert crossings, upsized storm drains, and channel improvements to alleviate watershed flooding**

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

County **Kaufman** Watershed HUC# (if known) **120301070105**

Drainage area (Square miles, est.) **1** Goal(s) **03000013, 03000014, 03000031, 03000032**

100-Year Flood Risk Summary

Population at risk **168** # of structures **66** Critical facilities **0**

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

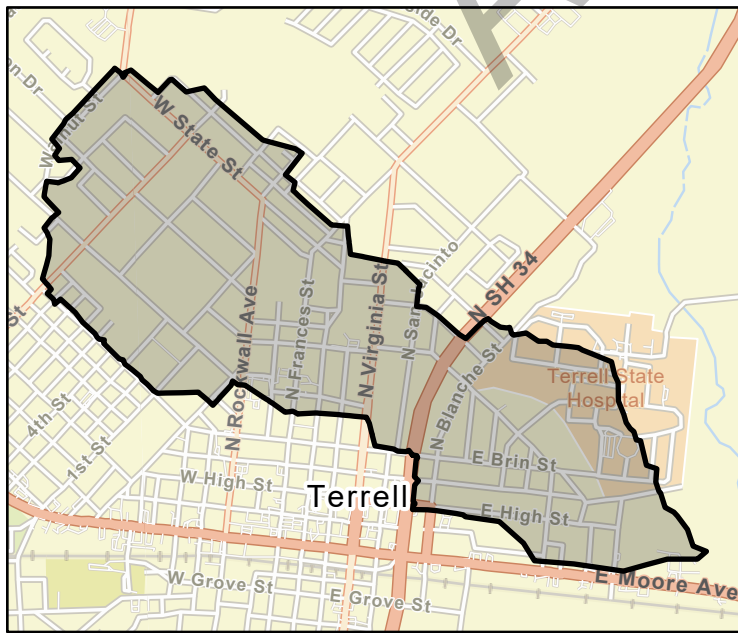
Farm/Ranch land impacted (acres) **3** Roadway(s) impacted (length) **2**

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

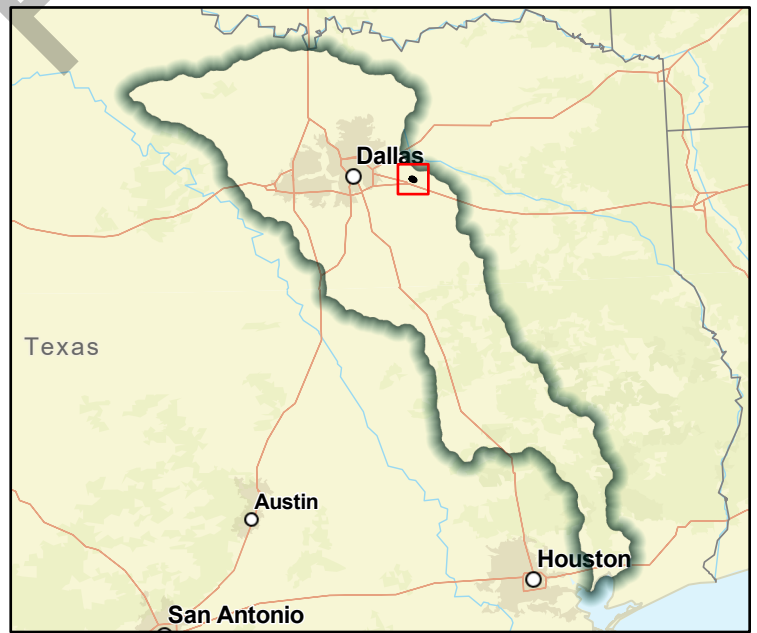
Estimated Cost and Funding Availability

Total Cost **\$4,794,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **DMP Phase 1: Anderson Street (Project 3)**

ID# **031000523**

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

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

Study Details

Study type **Project Planning**
 Study description **Study to alleviate flooding on Anderson Street through the implementation of a detention basin, additional inlets, and an additional storm drain**

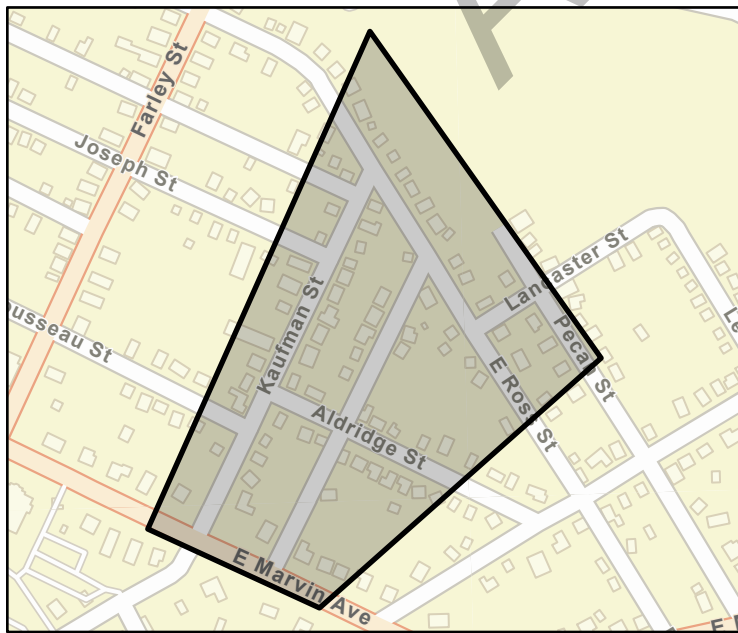
New Hydrologic or Hydraulic model? **-** Emergency Need? **No** Existing/Anticipated models in near term? **-**
 County **Ellis** Watershed HUC# (if known) **120301090302**
 Drainage area (Square miles, est.) **0** Goal(s) **03000031, 03000032**

100-Year Flood Risk Summary

Population at risk **16** # of structures **6** 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 **\$337,000** Amount of Available Funding **-** Federal funding availability **-**
 Funding source **Local, State**



FME Area



Regional view of FME area