

# Flood Management Evaluation (FME)



Title **Shady Grove Rd, Gilbert Rd, Wright Blvd**

ID# **031000224**

Sponsor (name of entity, not person) **Grand Prairie**

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

## Study Details

Study type **Project Planning**

Study description **Study update - Storm Drain Improvements; Estimated construction cost of \$2,860,900**

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

County **Dallas** Watershed HUC# (if known) **120301031006,120301020706,120301020701,120301020705**

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

## 100-Year Flood Risk Summary

Population at risk **2,764** # of structures **215** Critical facilities **3**

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

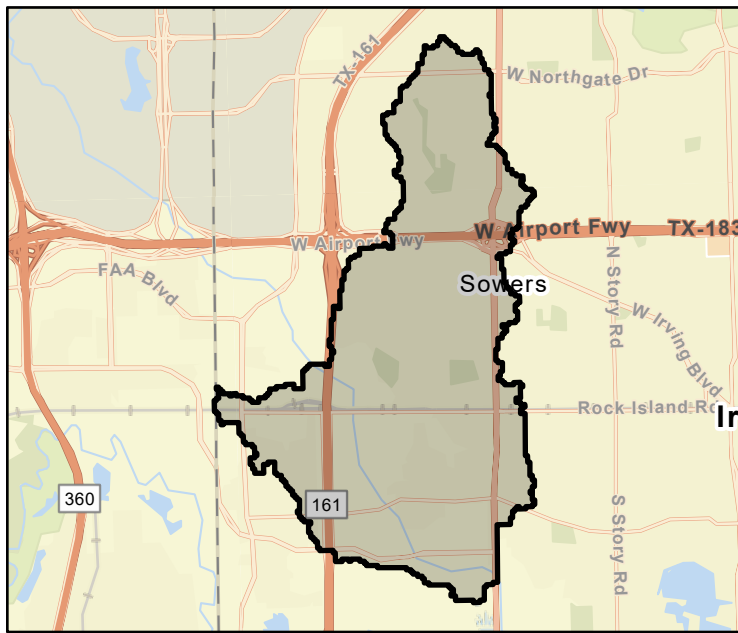
Farm/Ranch land impacted (acres) **170** Roadway(s) impacted (length) **6**

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

## Estimated Cost and Funding Availability

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

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Parker Rd - Hardrock Rd**

ID# **031000225**

Sponsor (name of entity, not person) **Grand Prairie**

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

## Study Details

Study type **Project Planning**

Study description **Study update - Storm Drain Improvements; Estimated construction cost of \$5,760,800**

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

County **Dallas** Watershed HUC# (if known) **120301020706,120301020701,120301020705**

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

## 100-Year Flood Risk Summary

Population at risk **2,782** # of structures **165** Critical facilities **1**

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

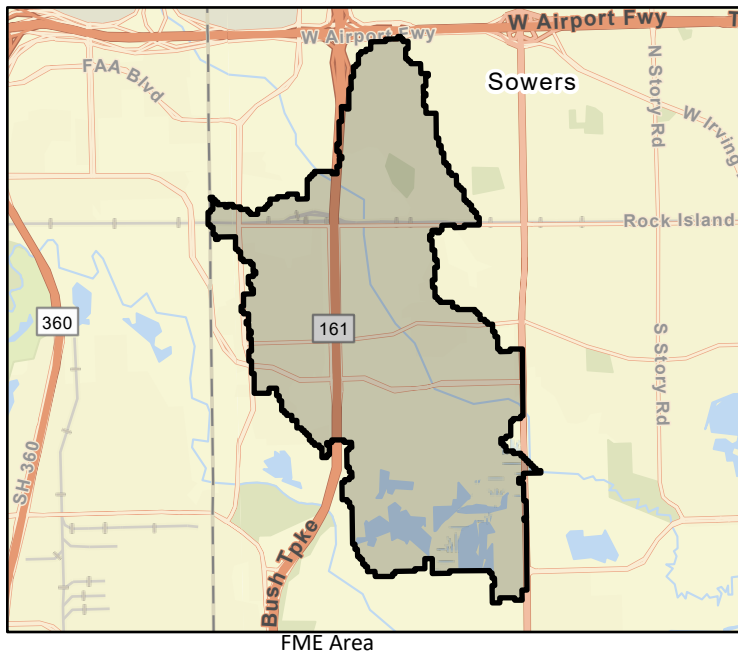
Farm/Ranch land impacted (acres) **265** Roadway(s) impacted (length) **6**

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

## Estimated Cost and Funding Availability

Total Cost **\$288,000** Amount of Available Funding **28,800** Federal funding availability **Yes**

Funding source **Local, State**



# Flood Management Evaluation (FME)



Title **North Carrier Parkway & Main St to Dalworth Creek Channel**

ID# **031000226**

Sponsor (name of entity, not person) **Grand Prairie**

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

## Study Details

Study type **Project Planning**

Study description **Study update - Storm Drain Improvements; Estimated construction cost of \$8,803,700**

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

County **Dallas** Watershed HUC# (if known) **120301020607,120301020706,120301020702**

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

## 100-Year Flood Risk Summary

Population at risk **112** # of structures **30** Critical facilities **0**

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

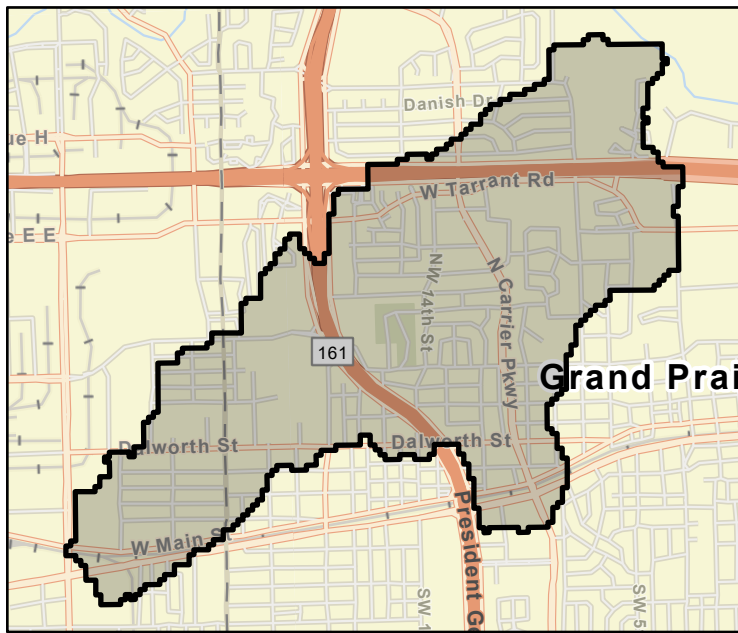
Farm/Ranch land impacted (acres) **10** Roadway(s) impacted (length) **1**

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

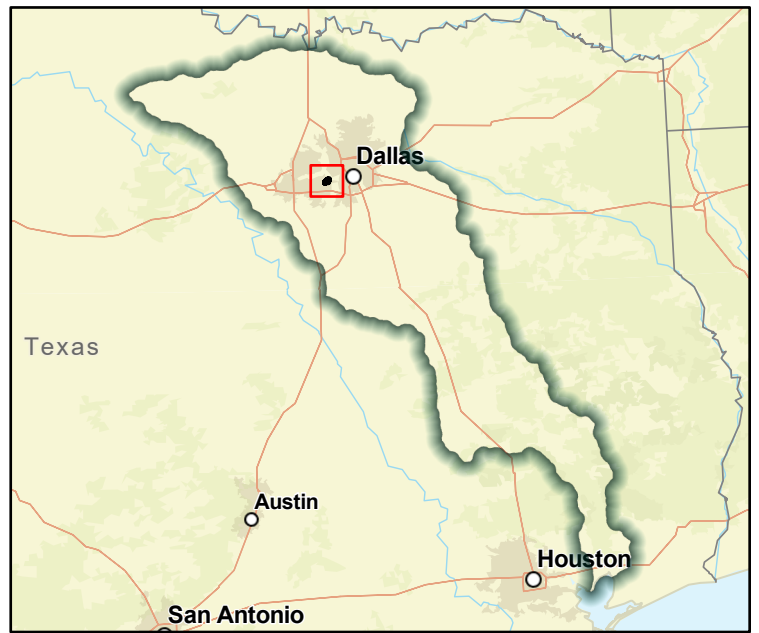
## Estimated Cost and Funding Availability

Total Cost **\$440,000** Amount of Available Funding **44,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Pioneer Parkway from Brady to Plattner Creek (TXDOT)

ID# 031000227

Sponsor (name of entity, not person) Grand Prairie

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

## Study Details

Study type Project Planning

Study description Study update - Storm Drain Improvements; Estimated construction cost of \$9,511,900

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

County Dallas Watershed HUC# (if known) 120301020606,120301020607

Drainage area (Square miles, est.) 3 Goal(s) 03000031, 03000032

## 100-Year Flood Risk Summary

Population at risk 23 # of structures 4 Critical facilities 0

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

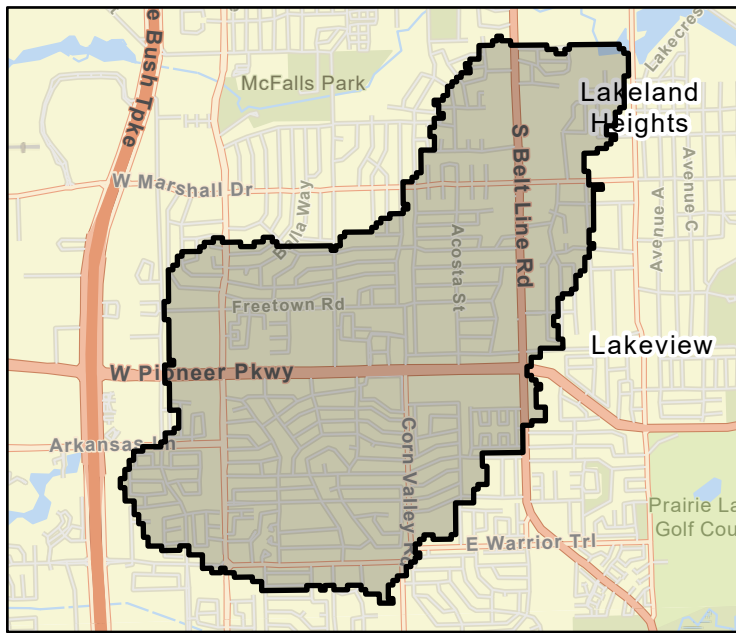
Farm/Ranch land impacted (acres) 3 Roadway(s) impacted (length) 0

Number of low water crossings 1 Historical road closures -

## Estimated Cost and Funding Availability

Total Cost \$476,000 Amount of Available Funding 47,600 Federal funding availability Yes

Funding source Local, State



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title NW 24th St & NW 23rd St from West Main to Ditch Near Dalworth St and Doreen St

ID# 031000228

Sponsor (name of entity, not person) Grand Prairie

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

## Study Details

Study type Project Planning

Study description Study update - Storm Drain Improvements; Estimated construction cost of \$5,982,600

New Hydrologic or Hydraulic model? Yes

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Dallas

Watershed HUC# (if known) 120301020607,120301020706,120301020702

Drainage area (Square miles, est.) 2

Goal(s) 03000031, 03000032

## 100-Year Flood Risk Summary

Population at risk 112

# of structures 30

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) 1

Number of low water crossings 3

Historical road closures -

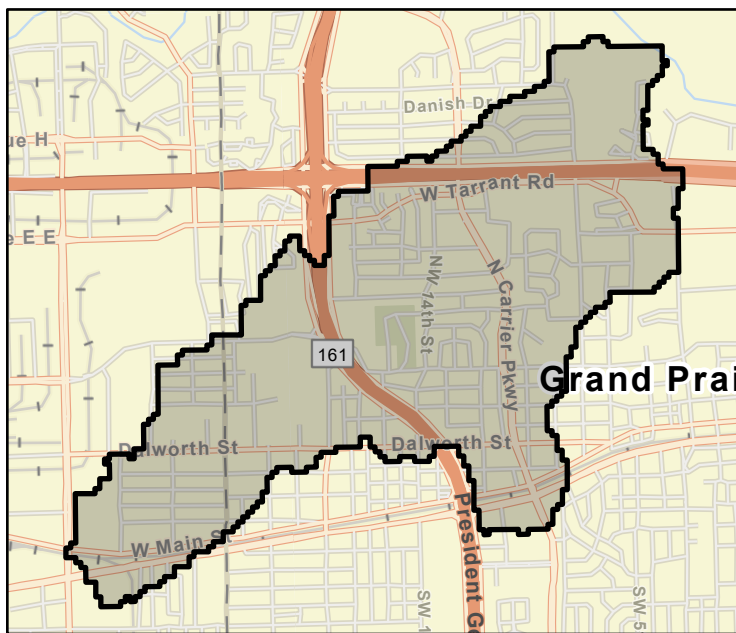
## Estimated Cost and Funding Availability

Total Cost \$299,000

Amount of Available Funding 29,900

Federal funding availability Yes

Funding source Local, State



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Detention Basin at St. Michael's Church Vacant Property and Relief Storm Drains in Corn Valley Rd and Neighboring Streets from Santa Anna to Kirby Creek Channel**

ID# **031000229**

Sponsor (name of entity, not person) **Grand Prairie**

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

## Study Details

Study type **Project Planning**

Study description **Study update - Storm Drain Improvements; Estimated construction cost of \$18,766,400**

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

County **Dallas** Watershed HUC# (if known) **120301020606,120301020607,120301020706**

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

## 100-Year Flood Risk Summary

Population at risk **27** # of structures **10** Critical facilities **0**

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

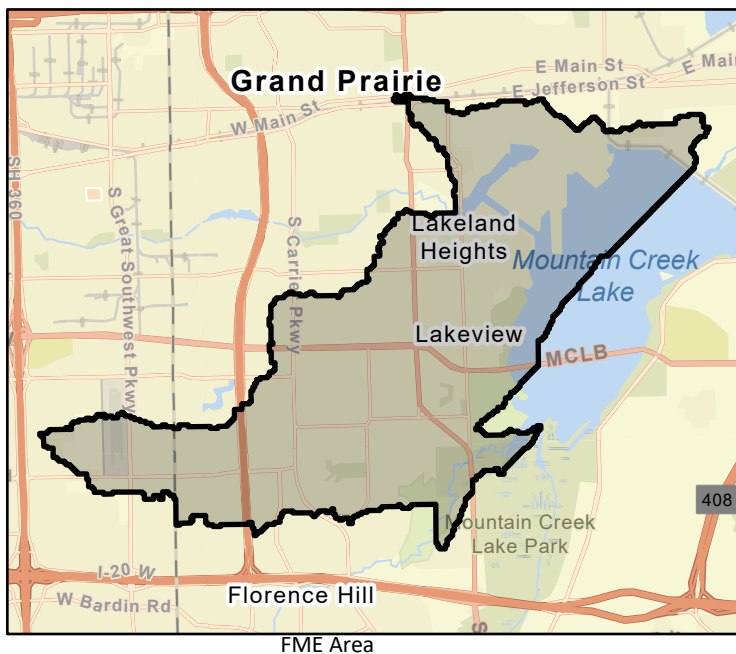
Farm/Ranch land impacted (acres) **61** Roadway(s) impacted (length) **1**

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

## Estimated Cost and Funding Availability

Total Cost **\$938,000** Amount of Available Funding **93,800** Federal funding availability **Yes**

Funding source **Local, State**



# Flood Management Evaluation (FME)



Title **River Ridge Boulevard**

ID# **031000230**

Sponsor (name of entity, not person) **Grand Prairie**

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

## Study Details

Study type **Project Planning**

Study description **Study update - Storm Drain Improvements; Estimated construction cost of \$6,148,800**

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

County **Dallas** Watershed HUC# (if known) **120301020706,120301020701,120301020702,120301020705**

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

## 100-Year Flood Risk Summary

Population at risk **599** # of structures **32** Critical facilities **0**

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

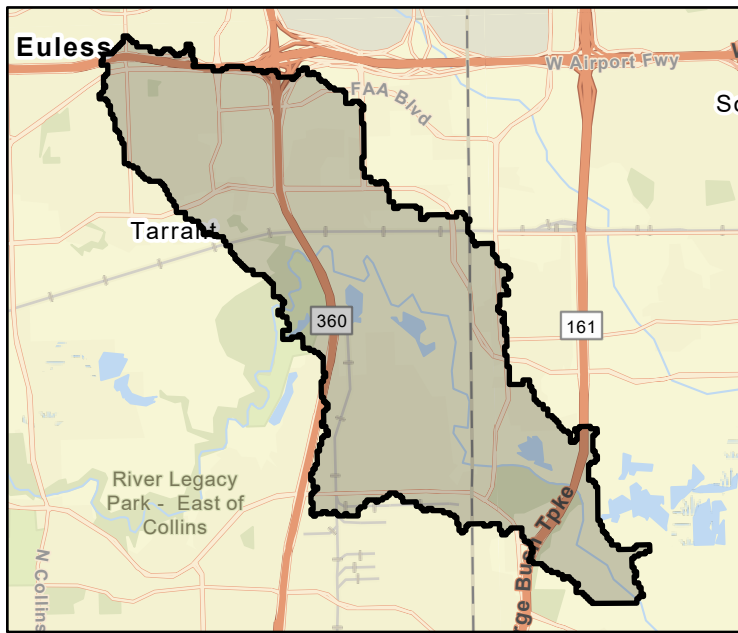
Farm/Ranch land impacted (acres) **197** Roadway(s) impacted (length) **6**

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

## Estimated Cost and Funding Availability

Total Cost **\$307,000** Amount of Available Funding **30,700** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **East Grand Prairie Rd & 14th Street from Austin to Ditch South of Skyline**

ID# **031000231**

Sponsor (name of entity, not person) **Grand Prairie**

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

## Study Details

Study type **Project Planning**

Study description **Study update - Storm Drain Improvements; Estimated construction cost of \$8,549,300**

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

County **Dallas** Watershed HUC# (if known) **120301020606,120301020607,120301020706**

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

## 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**

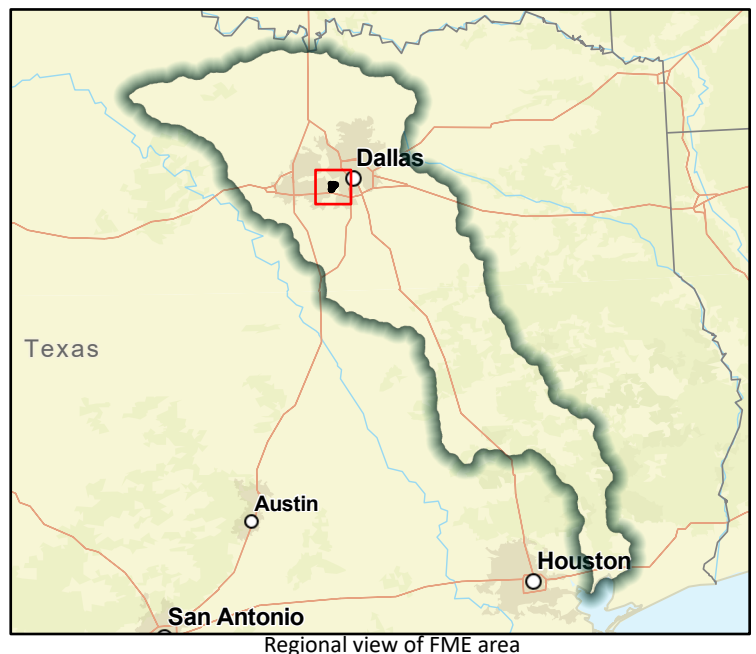
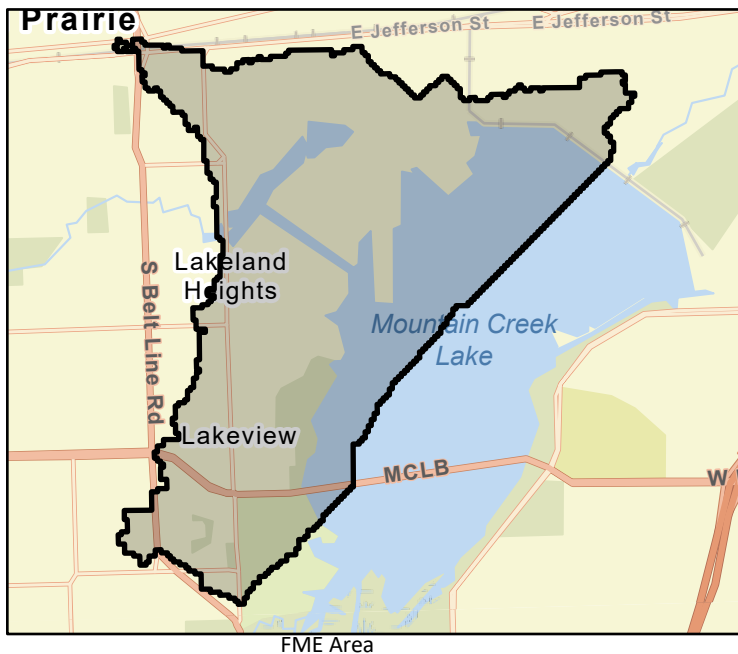
Farm/Ranch land impacted (acres) **28** Roadway(s) impacted (length) **1**

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

## Estimated Cost and Funding Availability

Total Cost **\$427,000** Amount of Available Funding **42,700** Federal funding availability **Yes**

Funding source **Local, State**





# Flood Management Evaluation (FME)



Title **Shady Grove Rd**

ID# **031000232**

Sponsor (name of entity, not person) **Grand Prairie**

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

## Study Details

Study type **Project Planning**

Study description **Study update - Storm Drain Improvements; Estimated construction cost of \$6,737,200**

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

County **Dallas** Watershed HUC# (if known) **120301020706,120301020701,120301020705**

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

## 100-Year Flood Risk Summary

Population at risk **2,782** # of structures **165** Critical facilities **1**

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

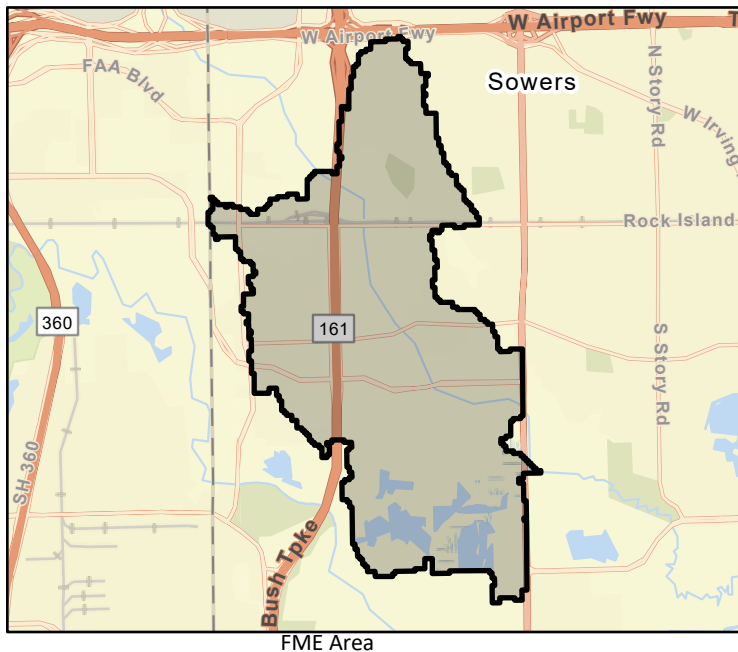
Farm/Ranch land impacted (acres) **265** Roadway(s) impacted (length) **6**

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

## Estimated Cost and Funding Availability

Total Cost **\$337,000** Amount of Available Funding **33,700** Federal funding availability **Yes**

Funding source **Local, State**



# Flood Management Evaluation (FME)



Title Various Streets and Alleys from Dallas Street West of NW 20th Street to Ditch Just South of WE Roberts Street

ID# 031000233

Sponsor (name of entity, not person) Grand Prairie

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

## Study Details

Study type Project Planning

Study description Study update - Storm Drain Improvements; Estimated construction cost of \$10,656,800

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

County Dallas Watershed HUC# (if known) 120301020607,120301020706,120301020702

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

## 100-Year Flood Risk Summary

Population at risk 350 # of structures 61 Critical facilities 1

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

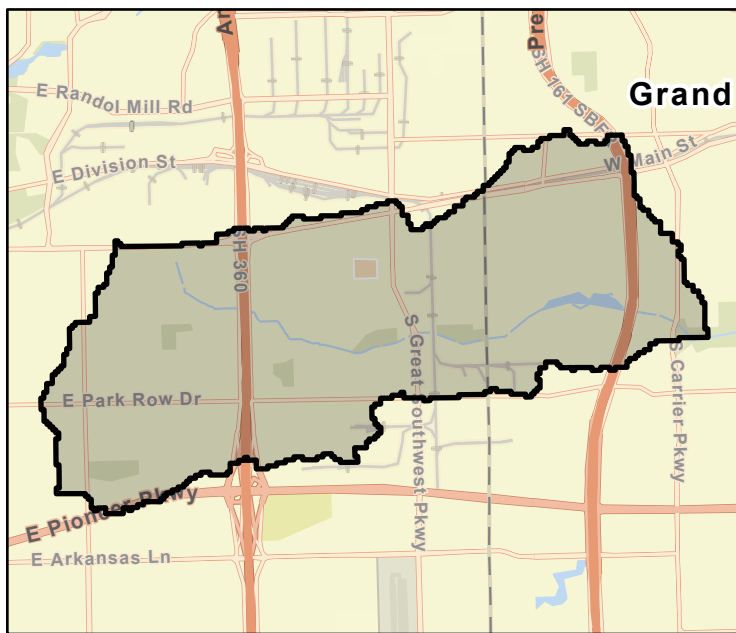
Farm/Ranch land impacted (acres) 16 Roadway(s) impacted (length) 3

Number of low water crossings 5 Historical road closures -

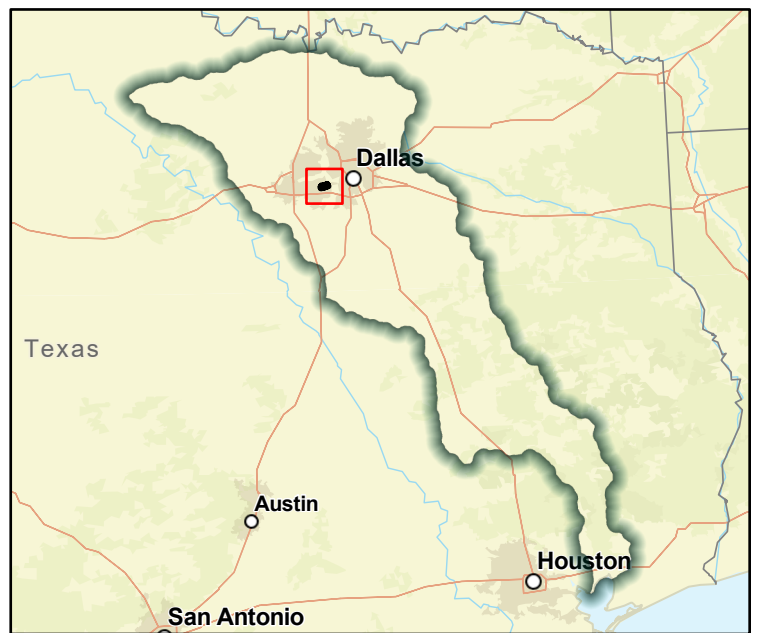
## Estimated Cost and Funding Availability

Total Cost \$533,000 Amount of Available Funding 53,300 Federal funding availability Yes

Funding source Local, State



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title South Great Southwest Parkway from Warrior to Kirby Creek Concrete Channel North of Mayfield

ID# 031000234

Sponsor (name of entity, not person) Grand Prairie

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

## Study Details

Study type Project Planning

Study description Study update - Storm Drain Improvements; Estimated construction cost of \$1,411,100

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

County Dallas Watershed HUC# (if known) 120301020606,120301020607

Drainage area (Square miles, est.) 3 Goal(s) 03000031, 03000032

## 100-Year Flood Risk Summary

Population at risk 0 # of structures 1 Critical facilities 0

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

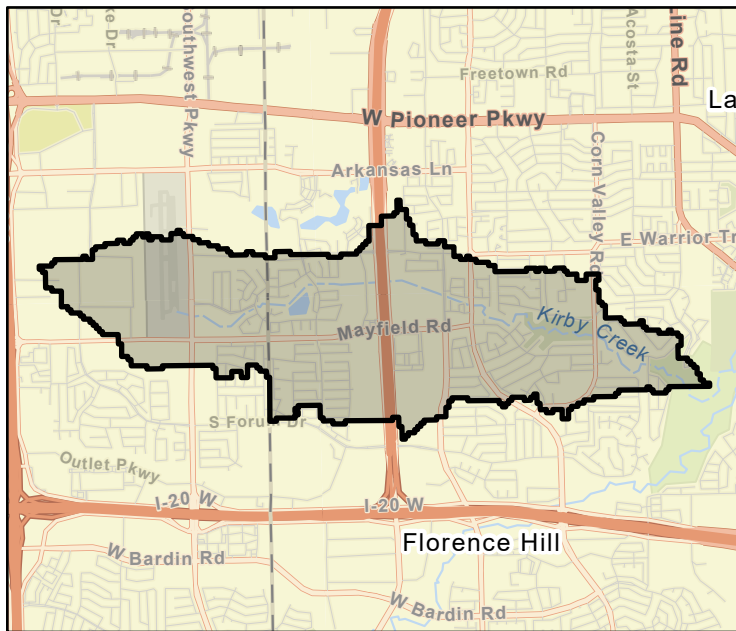
Farm/Ranch land impacted (acres) 7 Roadway(s) impacted (length) 0

Number of low water crossings 1 Historical road closures -

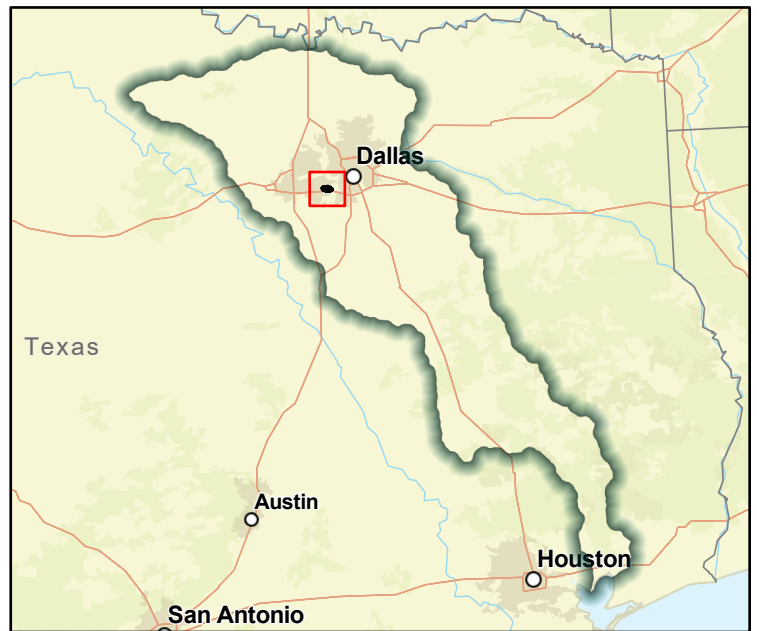
## Estimated Cost and Funding Availability

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

Funding source Local, State



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title South Great Southwest Parkway from North of Forum Drive to Prairie Creek Channel

ID# 031000235

Sponsor (name of entity, not person) Grand Prairie

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

## Study Details

Study type Project Planning

Study description Study update - Storm Drain Improvements; Estimated construction cost of \$2,127,800

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

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

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

## 100-Year Flood Risk Summary

Population at risk 421 # of structures 25 Critical facilities 1

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

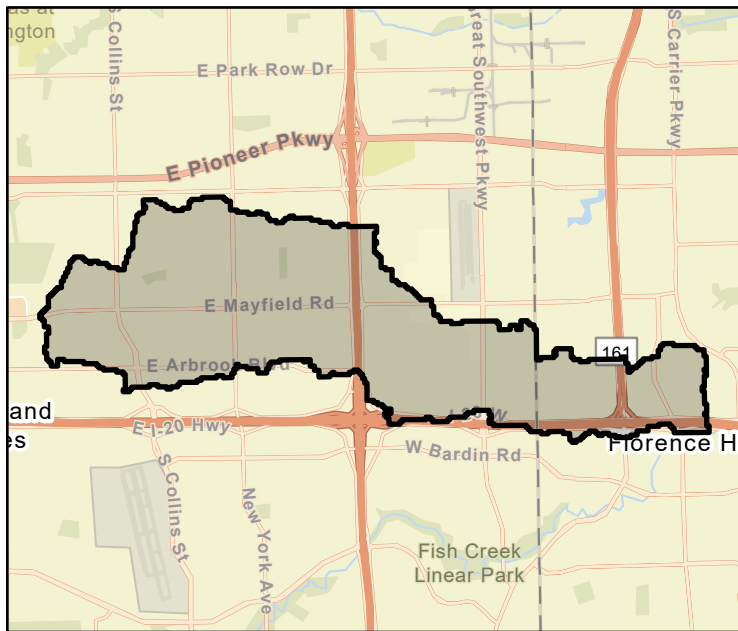
Farm/Ranch land impacted (acres) 8 Roadway(s) impacted (length) 4

Number of low water crossings 0 Historical road closures -

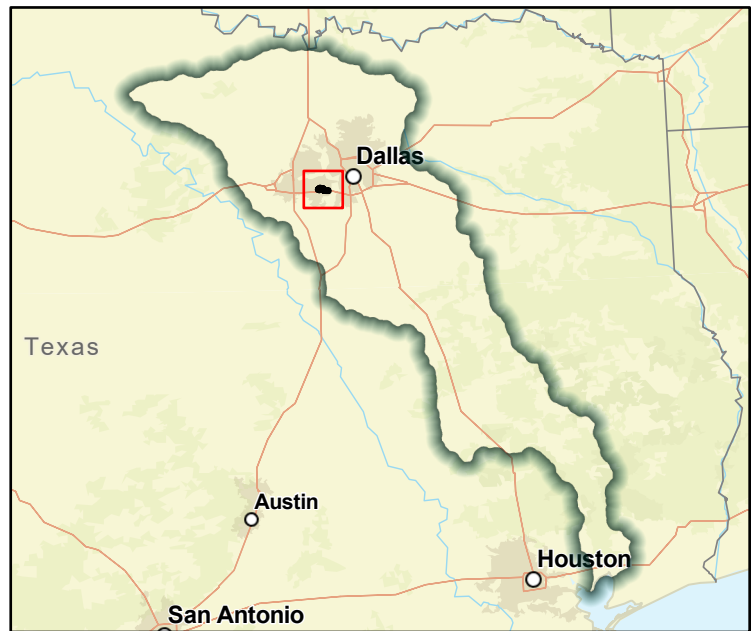
## Estimated Cost and Funding Availability

Total Cost \$344,000 Amount of Available Funding 34,400 Federal funding availability Yes

Funding source Local, State



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **South Great Southwest Parkway from Sherman to Cottonwood Creek**

ID# **031000236**

Sponsor (name of entity, not person) **Grand Prairie**

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

## Study Details

Study type **Project Planning**

Study description **Study update - Storm Drain Improvements; Estimated construction cost of \$6,881,500**

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

County **Dallas** Watershed HUC# (if known) **120301020607,120301020706,120301020702**

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

## 100-Year Flood Risk Summary

Population at risk **350** # of structures **61** Critical facilities **1**

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

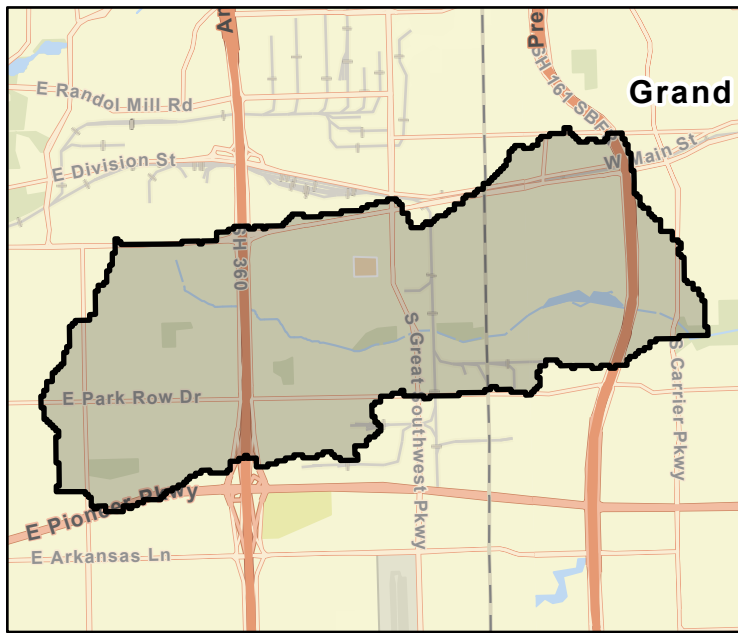
Farm/Ranch land impacted (acres) **16** Roadway(s) impacted (length) **3**

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

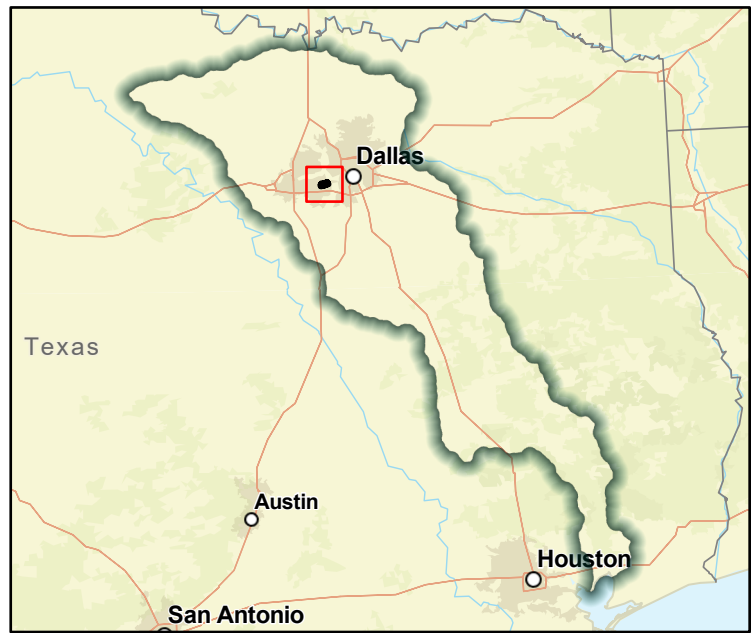
## Estimated Cost and Funding Availability

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

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Arbor Creek Pedestrian Bridge Repair and Channel Bottom Stabilization**

ID# **031000237**

Sponsor (name of entity, not person) **Grand Prairie**

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

## Study Details

Study type **Project Planning**

Study description **270 feet south of Johnson Creek and 290 feet east of SH 161; Estimated construction cost of \$270,900**

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

County **Dallas** Watershed HUC# (if known) **120301020606,120301020607,120301020706,120301020701,120301020**

Drainage area (Square miles, est.) **21** Goal(s) **03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **4,090** # of structures **405** Critical facilities **8**

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

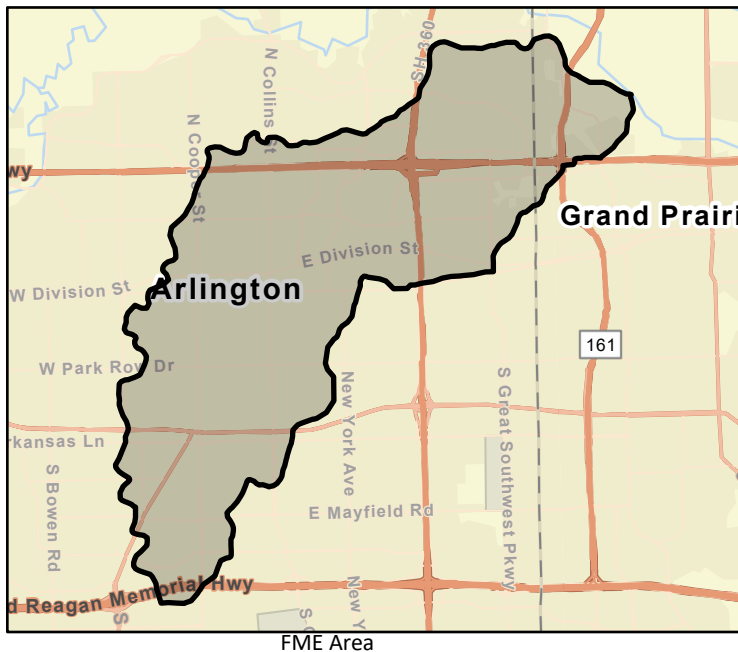
Farm/Ranch land impacted (acres) **56** Roadway(s) impacted (length) **13**

Number of low water crossings **16** Historical road closures **-**

## Estimated Cost and Funding Availability

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

Funding source **Local, State**



# Flood Management Evaluation (FME)



Title **Gopher Creek Stream Bottom Stabilization**

ID# **031000238**

Sponsor (name of entity, not person) **Grand Prairie**

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

## Study Details

Study type **Project Planning**

Study description **downstream of NE 5th Street; between High School Drive and NE 5th Street; downstream of Belt Line Road; Estimated construction \$65,600 + Estimated construction \$127,300; downstream of High School Drive; Estimated construction cost of \$70,500**

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

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

Drainage area (Square miles, est.) **4** Goal(s) **03000027, 03000028, 03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **1,107** # of structures **18** Critical facilities **2**

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

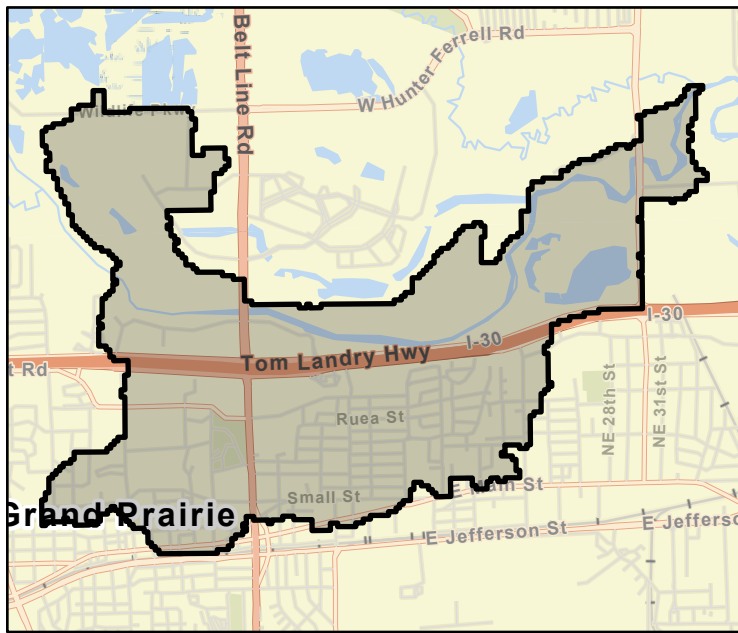
Farm/Ranch land impacted (acres) **161** Roadway(s) impacted (length) **3**

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

## Estimated Cost and Funding Availability

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

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Turner Branch Stream Bottom Stabilization

ID# 031000239

Sponsor (name of entity, not person) Grand Prairie

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

## Study Details

Study type Project Planning

Study description 380 feet south of Small Hill Street to 450 feet north of East Tarrant Road; Estimated construction cost of \$187,200 (?)

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

County Dallas Watershed HUC# (if known) 120301020607,120301020706,120301020705

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

## 100-Year Flood Risk Summary

Population at risk 1,107 # of structures 18 Critical facilities 2

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

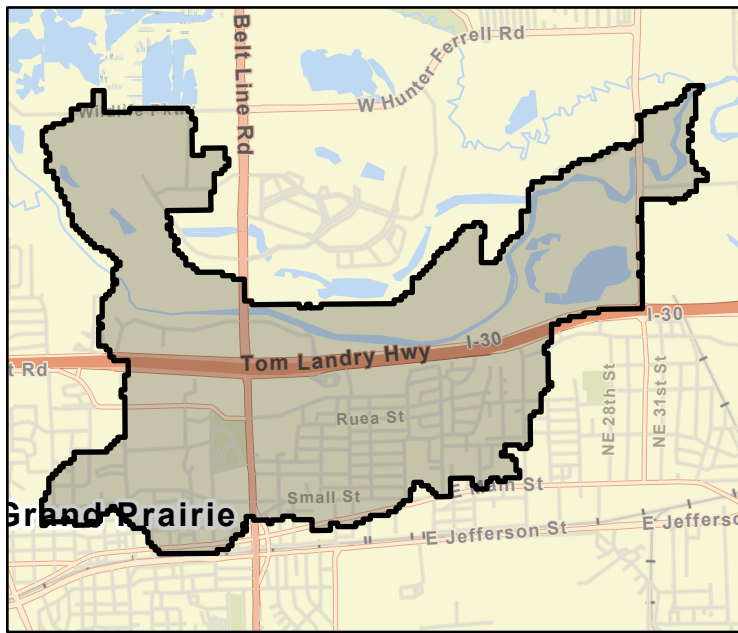
Farm/Ranch land impacted (acres) 161 Roadway(s) impacted (length) 3

Number of low water crossings 0 Historical road closures -

## Estimated Cost and Funding Availability

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

Funding source Local, State



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Arbor Creek Channel Bottom Stabilization**

ID# **031000240**

Sponsor (name of entity, not person) **Grand Prairie**

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

## Study Details

Study type **Project Planning**

Study description **Channelization, Stabilization, and Bank Armoring from SH 161 East to Johnson Creek Confluence; Estimated construction cost of \$2,096,900; from Duncan Perry to SH 161; Estimated construction cost of \$991,600**

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

County **Dallas** Watershed HUC# (if known) **120301020606,120301020607,120301020706,120301020701,120301020**

Drainage area (Square miles, est.) **21** Goal(s) **03000027, 03000028, 03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **4,090** # of structures **405** Critical facilities **8**

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

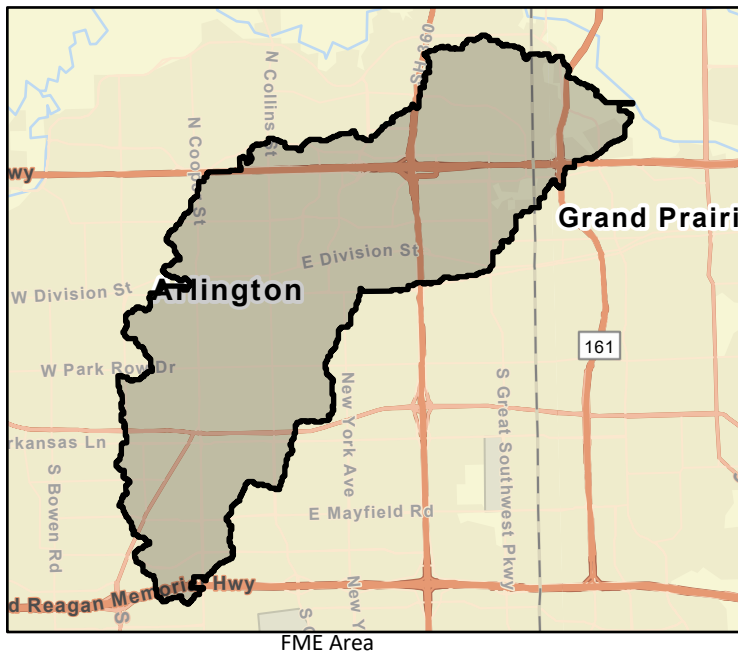
Farm/Ranch land impacted (acres) **50** Roadway(s) impacted (length) **13**

Number of low water crossings **16** Historical road closures **-**

## Estimated Cost and Funding Availability

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

Funding source **Local, State**



# Flood Management Evaluation (FME)



Title **North Fork of Cottonwood Creek Stabilization**

ID# **031000241**

Sponsor (name of entity, not person) **Grand Prairie**

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

## Study Details

Study type **Project Planning**

Study description **from Great Southwest to Carrier; Estimated construction cost of \$214,900**

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

County **Dallas** Watershed HUC# (if known) **120301020607,120301020706,120301020702**

Drainage area (Square miles, est.) **6** Goal(s) **03000027, 03000028, 03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **350** # of structures **61** Critical facilities **1**

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

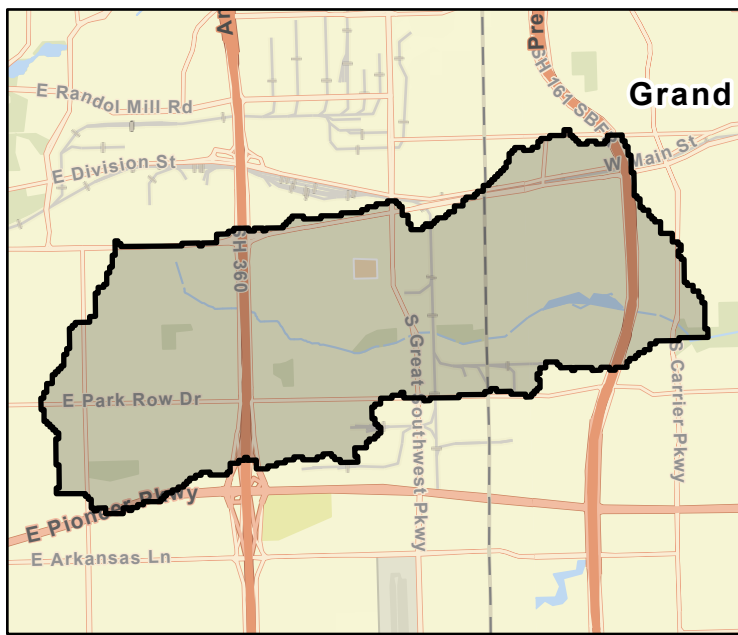
Farm/Ranch land impacted (acres) **16** Roadway(s) impacted (length) **3**

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

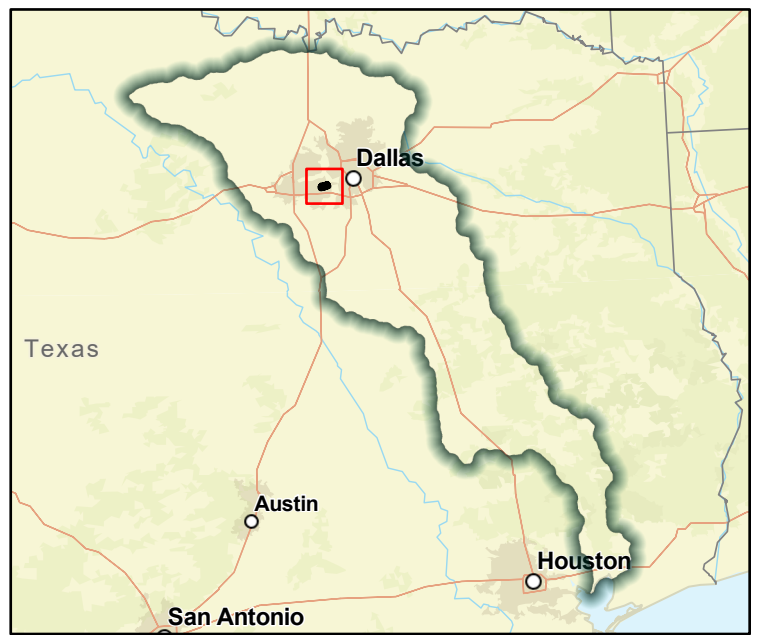
## Estimated Cost and Funding Availability

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

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Kirby Creek Channel Lining Replacements  
 ID# 031000242  
 Sponsor (name of entity, not person) Grand Prairie  
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

## Study Details

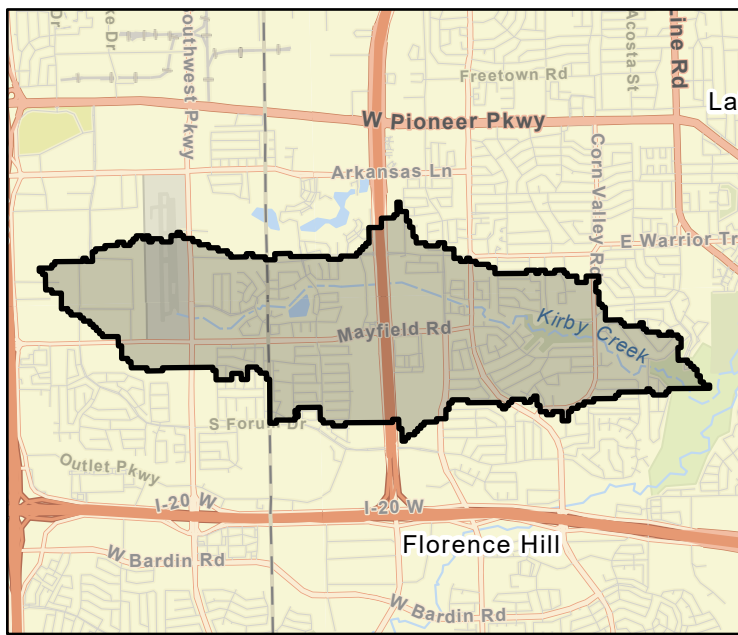
Study type Project Planning  
 Study description from 800 feet east of Great Southwest to West of Waterwood; just north of Kildeer cul-de-sac and from Waterwood East to End of Channel Lining just east of Greenvista; Estimated construction cost of \$1,267,200  
 New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes  
 County Dallas Watershed HUC# (if known) 120301020606,120301020607  
 Drainage area (Square miles, est.) 3 Goal(s) 03000031, 03000032

## 100-Year Flood Risk Summary

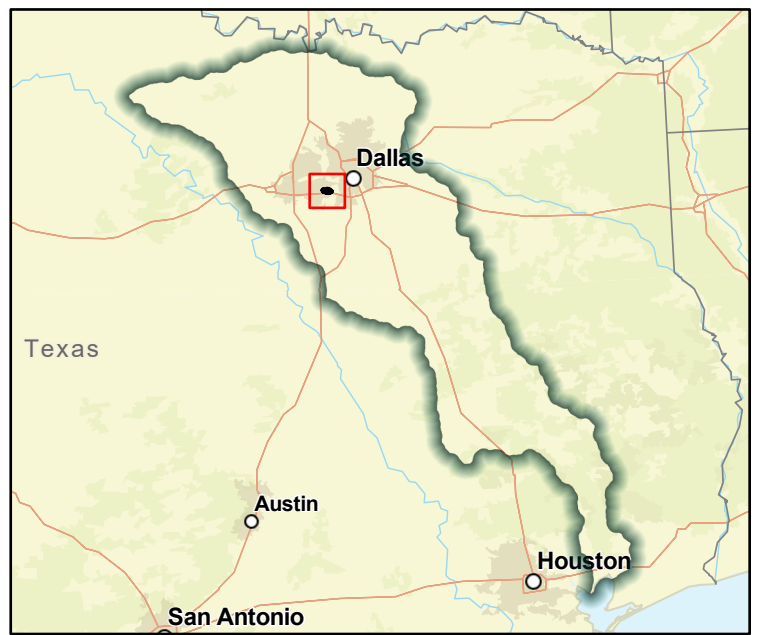
Population at risk 0 # of structures 1 Critical facilities 0  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No  
 Farm/Ranch land impacted (acres) 7 Roadway(s) impacted (length) 0  
 Number of low water crossings 1 Historical road closures -

## Estimated Cost and Funding Availability

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



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Dry Branch Stream Bottom Stabilization**

ID# **031000243**

Sponsor (name of entity, not person) **Grand Prairie**

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

## Study Details

Study type **Project Planning**

Study description **300 feet south of Rock Island (2 locations); Estimated construction cost of \$91,300**

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

County **Dallas** Watershed HUC# (if known) **120301031006,120301020706,120301020705**

Drainage area (Square miles, est.) **3** Goal(s) **03000027, 03000028, 03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **1,003** # of structures **75** Critical facilities **2**

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

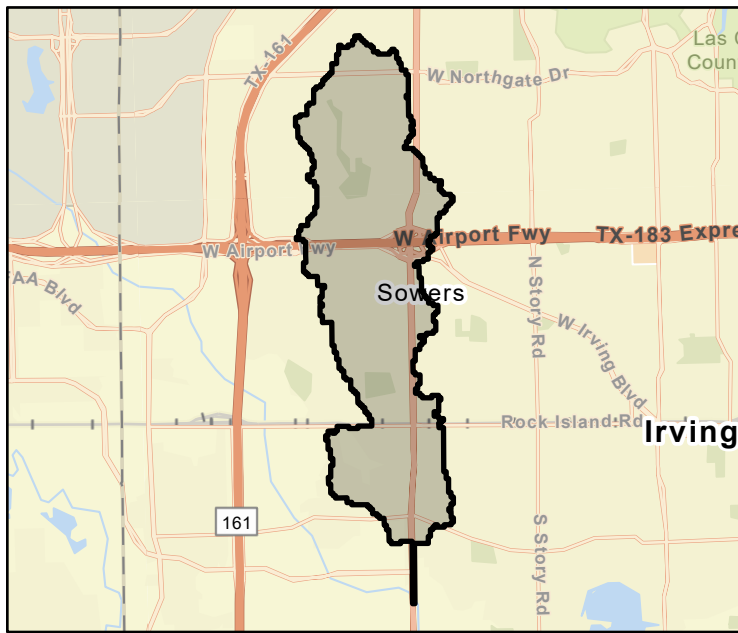
Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **1**

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

## Estimated Cost and Funding Availability

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

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Johnson Creek Avenue J Stabilization  
 ID# 031000244  
 Sponsor (name of entity, not person) Grand Prairie  
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

## Study Details

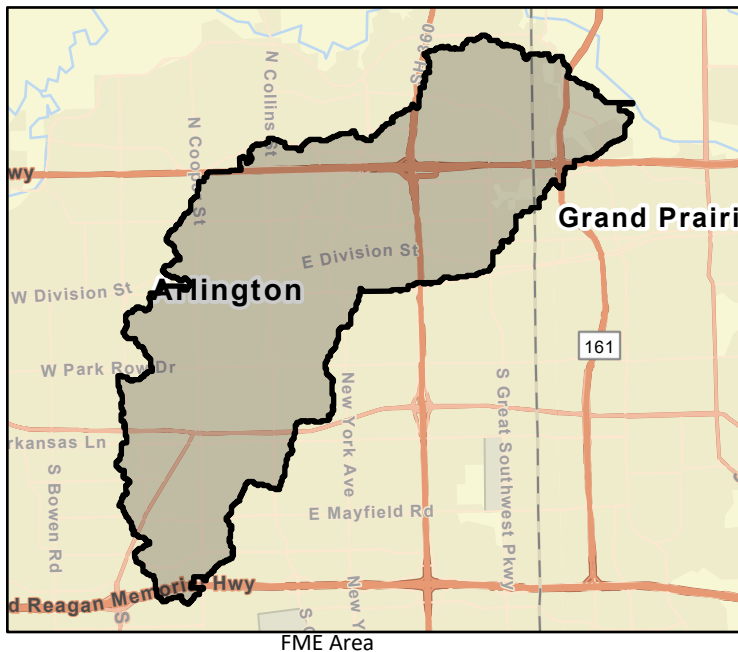
Study type Project Planning  
 Study description Bridge abutment repair and channel bank stabilization; Estimated construction cost of \$168,500  
 New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes  
 County Dallas Watershed HUC# (if known) 120301020606,120301020607,120301020706,120301020701,120301020  
 Drainage area (Square miles, est.) 21 Goal(s) 03000031, 03000032

## 100-Year Flood Risk Summary

Population at risk 4,090 # of structures 405 Critical facilities 8  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No  
 Farm/Ranch land impacted (acres) 50 Roadway(s) impacted (length) 13  
 Number of low water crossings 16 Historical road closures -

## Estimated Cost and Funding Availability

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



# Flood Management Evaluation (FME)



Title **Garden Branch Stabilization**

ID# **031000245**

Sponsor (name of entity, not person) **Grand Prairie**

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

## Study Details

Study type **Project Planning**

Study description **Channel bottom stabilization from Camp Wisdom to Great Southwest; Estimated construction cost of \$176,100**

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

County **Dallas** Watershed HUC# (if known) **120301020606,120301020605**

Drainage area (Square miles, est.) **7** Goal(s) **03000027, 03000028, 03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **332** # of structures **42** Critical facilities **2**

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

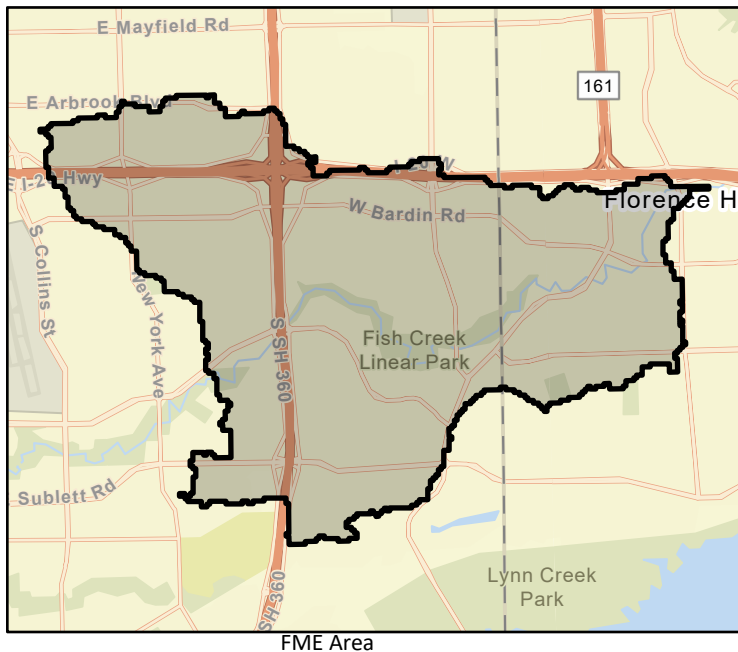
Farm/Ranch land impacted (acres) **48** Roadway(s) impacted (length) **2**

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

## Estimated Cost and Funding Availability

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

Funding source **Local, State**



# Flood Management Evaluation (FME)



Title **Warrior Creek Stabilization**

ID# **031000246**

Sponsor (name of entity, not person) **Grand Prairie**

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

## Study Details

Study type **Project Planning**

Study description **From Great Southwest to South Fork Cottonwood Creek; Estimated construction cost of \$518,500**

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

County **Dallas** Watershed HUC# (if known) **120301020606,120301020607,120301020706,120301020702**

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

## 100-Year Flood Risk Summary

Population at risk **457** # of structures **80** Critical facilities **1**

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

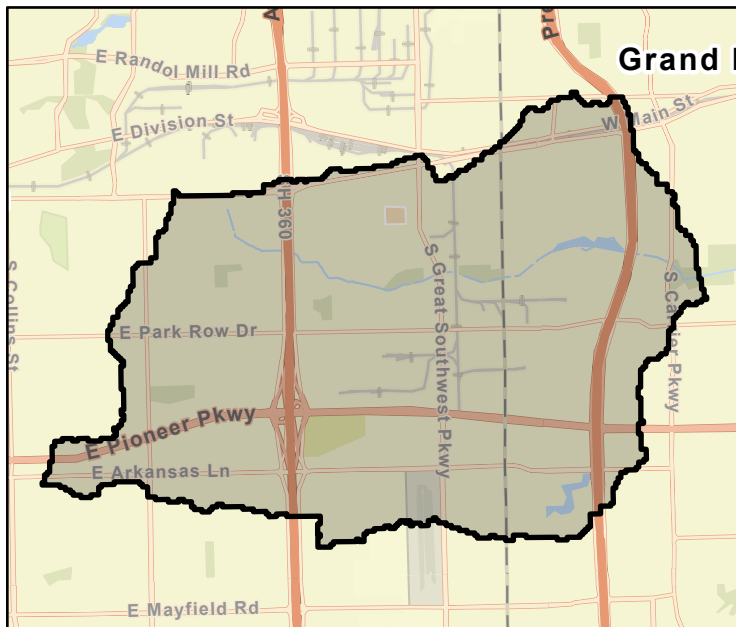
Farm/Ranch land impacted (acres) **24** Roadway(s) impacted (length) **5**

Number of low water crossings **10** Historical road closures **-**

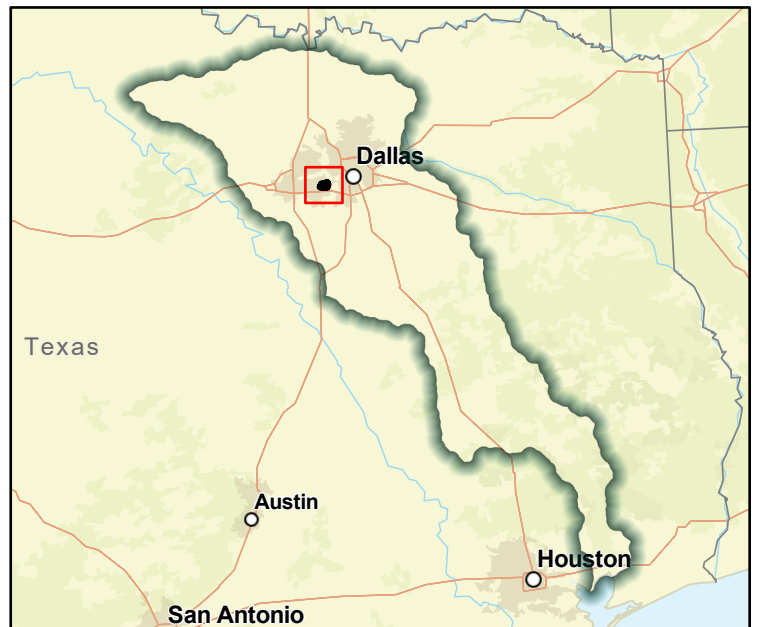
## Estimated Cost and Funding Availability

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

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Dalworth Creek Stabilization**

ID# **031000247**

Sponsor (name of entity, not person) **Grand Prairie**

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

## Study Details

Study type **Project Planning**

Study description **Repair of gabions and protection of wastewater crossing downstream of I-30; Estimated construction cost of \$402,000; from Dalworth Street to Roman; Estimated construction cost of \$278,900**

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

County **Dallas** Watershed HUC# (if known) **120301020607,120301020706,120301020702**

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

## 100-Year Flood Risk Summary

Population at risk **112** # of structures **30** Critical facilities **0**

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

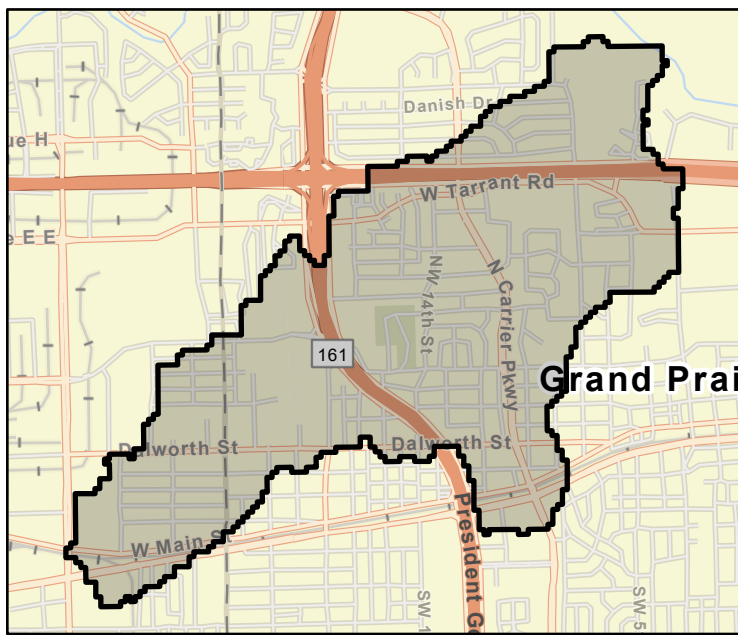
Farm/Ranch land impacted (acres) **10** Roadway(s) impacted (length) **1**

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

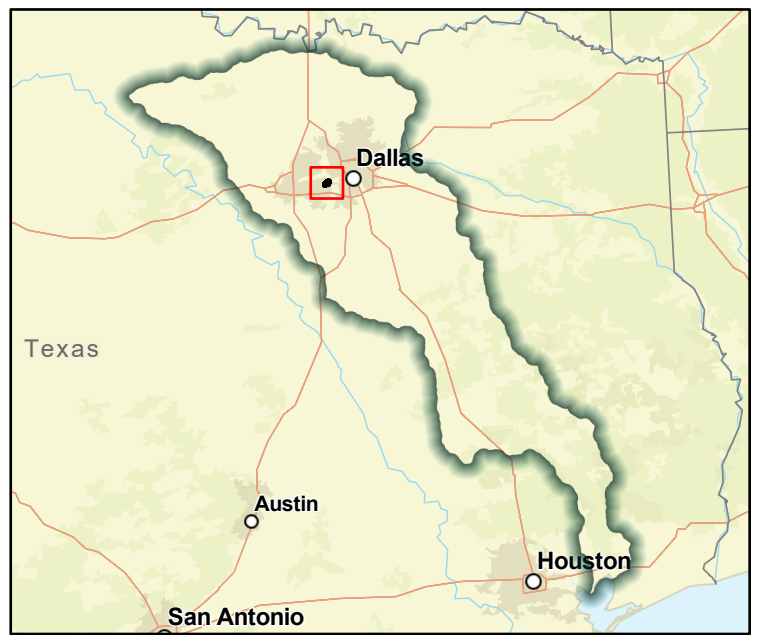
## Estimated Cost and Funding Availability

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

Funding source **Local, State**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **South Fork Cottonwood Creek**

ID# **031000248**

Sponsor (name of entity, not person) **Grand Prairie**

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

## Study Details

Study type **Project Planning**

Study description **from Great Southwest to Carrier; Estimated construction cost of \$781,200**

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

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

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

## 100-Year Flood Risk Summary

Population at risk **107** # of structures **19** Critical facilities **0**

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

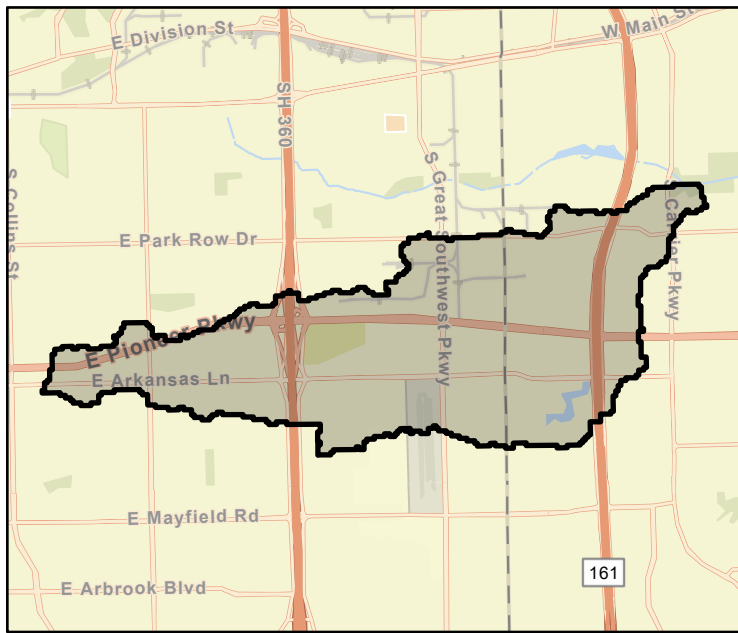
Farm/Ranch land impacted (acres) **8** Roadway(s) impacted (length) **2**

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

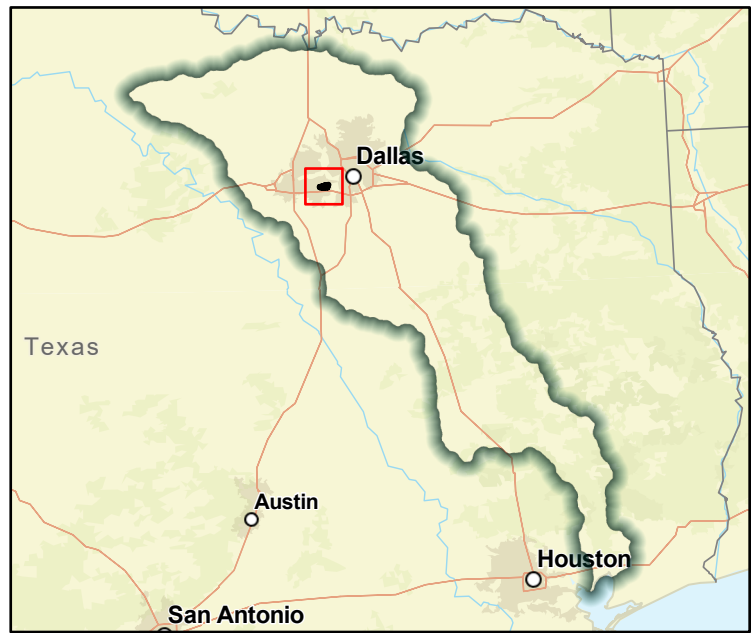
## Estimated Cost and Funding Availability

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

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Willis Branch Stabilization  
 ID# 031000249  
 Sponsor (name of entity, not person) Grand Prairie  
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

## Study Details

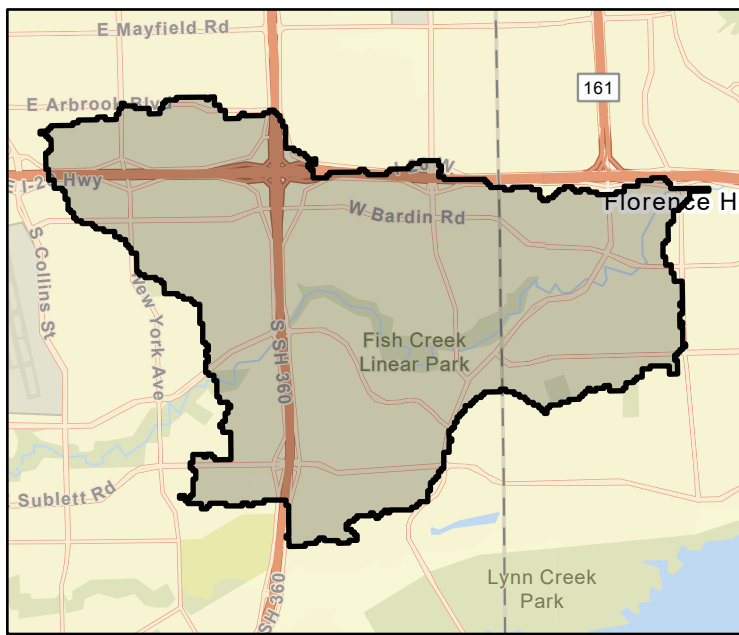
Study type Project Planning  
 Study description Dam removal and south channel bank stabilization just west of Devon cul-de-sac; Estimated construction cost of \$48,600; from Great Southwest to Sheffield; Estimated construction cost of \$200,700  
 New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes  
 County Dallas Watershed HUC# (if known) 120301020606,120301020605  
 Drainage area (Square miles, est.) 7 Goal(s) 03000031, 03000032

## 100-Year Flood Risk Summary

Population at risk 332 # of structures 42 Critical facilities 2  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No  
 Farm/Ranch land impacted (acres) 48 Roadway(s) impacted (length) 2  
 Number of low water crossings 2 Historical road closures -

## Estimated Cost and Funding Availability

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



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Johnson Creek Stabilization  
 ID# 031000250  
 Sponsor (name of entity, not person) Grand Prairie  
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

## Study Details

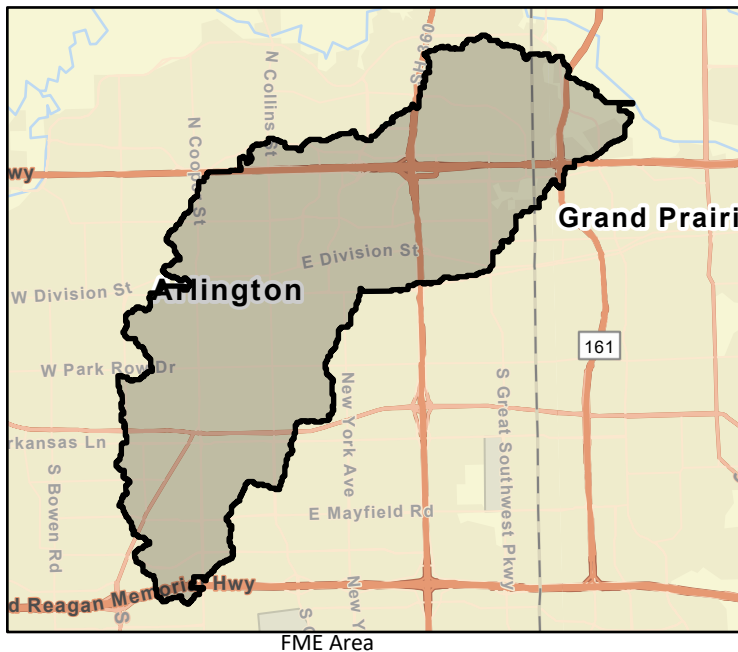
Study type Project Planning  
 Study description Replace failed inline channel 500 ft E of SH 161 & channel sediment removal; Estimate construction \$1,979,000; S channel bank stabilization N of Babbling Brook from Quest to Shadow Pass; Estimate construction \$831,700; N channel bank stabilization N of N  
 New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes  
 County Dallas Watershed HUC# (if known) 120301020606,120301020607,120301020706,120301020701,120301020  
 Drainage area (Square miles, est.) 21 Goal(s) 03000031, 03000032

## 100-Year Flood Risk Summary

Population at risk 4,090 # of structures 405 Critical facilities 8  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No  
 Farm/Ranch land impacted (acres) 50 Roadway(s) impacted (length) 13  
 Number of low water crossings 16 Historical road closures -

## Estimated Cost and Funding Availability

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



# Flood Management Evaluation (FME)



Title **Henry Branch Stream Stabilization**

ID# **031000251**

Sponsor (name of entity, not person) **Grand Prairie**

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

## Study Details

Study type **Project Planning**

Study description **from apartments at 1000 South Belt Line to Grand Prairie Road; Estimated construction cost of \$127,900**

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

County **Dallas** Watershed HUC# (if known) **120301020607,120301020706**

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

## 100-Year Flood Risk Summary

Population at risk **433** # of structures **42** Critical facilities **0**

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

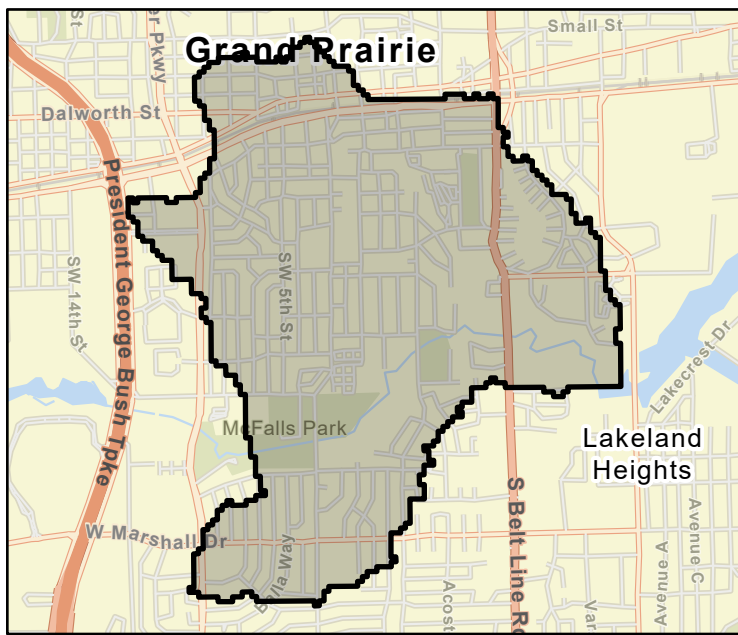
Farm/Ranch land impacted (acres) **8** Roadway(s) impacted (length) **1**

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

## Estimated Cost and Funding Availability

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

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Plattner Creek Stabilization**

ID# **031000252**

Sponsor (name of entity, not person) **Grand Prairie**

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

## Study Details

Study type **Project Planning**

Study description **from FM 1382 to City Limits of Dallas, west of SE 14th; Estimated construction cost of \$252,900**

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

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

Drainage area (Square miles, est.) **3** Goal(s) **03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **23** # of structures **4** Critical facilities **0**

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

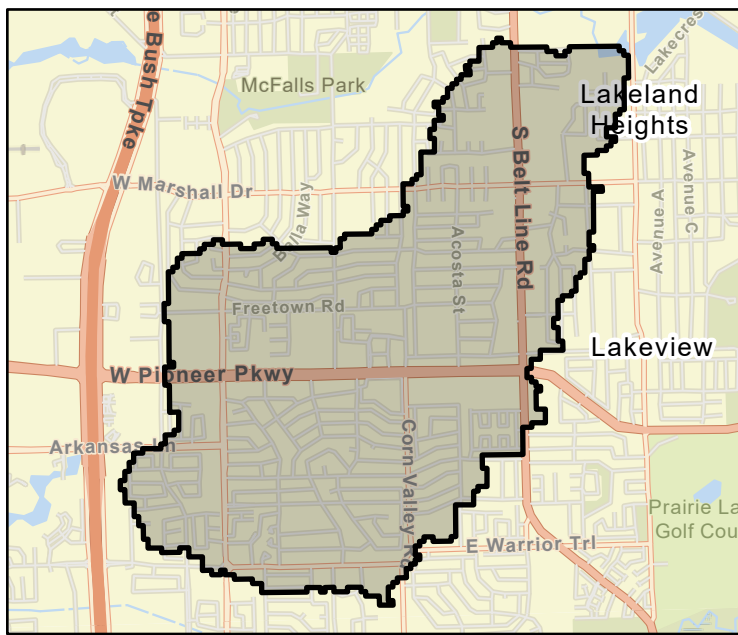
Farm/Ranch land impacted (acres) **3** Roadway(s) impacted (length) **0**

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

## Estimated Cost and Funding Availability

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

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Prairie Creek Stabilization**

ID# **031000253**

Sponsor (name of entity, not person) **Grand Prairie**

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

## Study Details

Study type **Project Planning**

Study description **from upstream of Great Southwest Pkwy to upstream of Robinson Road; Estimated construction cost of \$606,900**

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

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

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

## 100-Year Flood Risk Summary

Population at risk **421** # of structures **25** Critical facilities **1**

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

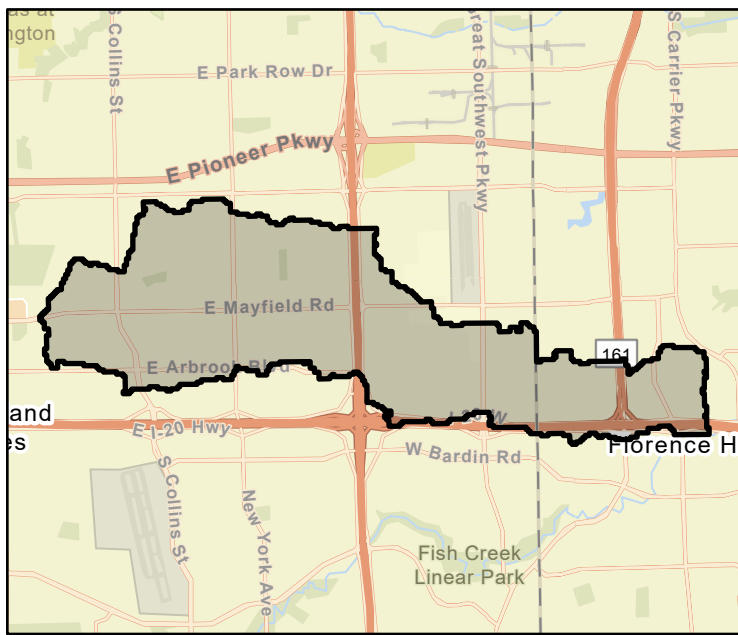
Farm/Ranch land impacted (acres) **8** Roadway(s) impacted (length) **4**

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

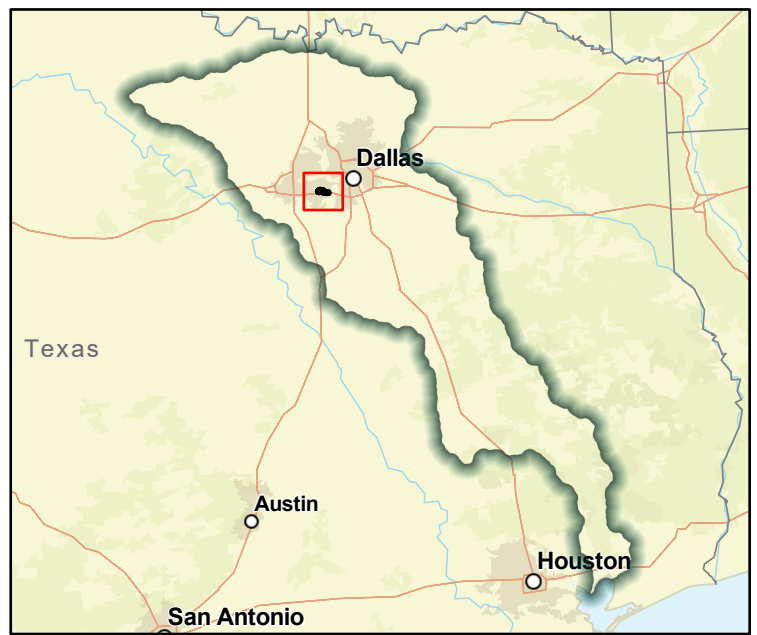
## Estimated Cost and Funding Availability

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

Funding source **Local, State**



FME Area



Regional view of FME area