

FME Batch 2B

25-May-22

	Action Number	Action Name	County	Batch Page Number	Tech Committee	Tech Committee Rec	RFPG Rec	RFPG Rec
				0				
Batch 2B-1	10100045	Creek St at Barons Creek (Moved to FMP)	-	-				
	10100046	Highway St (Moved to FMP)	-	-				
	10100048	Trailmoor near Llano Hwy	Gillespie	1				
	10100049	Lady Bird Golf Course Low water crossing (Moved to FMP)	-	-				
	10100050	Drainage Channel near EMS Building	Gillespie	2				
	10100051	Bob White Trail	Gillespie	3				
	10100052	W Travis Low Water Crossing (Moved to FMP)	-	-				
	10100053	N Edison Low Water Crossing	Gillespie	4				
	10100054	Schubert Low Water Crossing	Gillespie	5				
	10100055	200 Block N Orange	Gillespie	6				
	10100056	Crockett St south of Travis	Gillespie	7				
10100057	Cross Mountain West	Gillespie	8					
10100058	N Milam at West Travis	Gillespie	9					
101000122	Carriage Hills	Gillespie	10					
101000123	Post Oak Subdivision	Gillespie	11					
Batch 2B-2	101000124	Windmill Oaks Subdivision (Moved to FMP)	-	-				
	10100059	Repair of Little Barton Creek Dam	Hays	12				
	10100060	Floodplain/floodway audit	Hays	13				
	10100079	Various Streets - (removed from COA list)	-	-				
	101000158	Citywide Storm Drain Infrastructure Modeling	Travis	14				
	10100063	Stormwater Diversion Project	Jackson	15				
	10100066	County Road 480	Jackson	16				
	101000129	Palmetto Bend Spillway	Jackson	17				
	10100092	Citywide Drainage Study	Victoria	18				
	10100093	Various Streets - Upgrade Existing Roadway Crossings	Victoria	19				
	10100094	Upgrade/Raise various bridges (Combined)	-	-				
101000118	Sandy Oaks Subdivision	Colorado	20					
101000106	Various Streets - Upgrade Low Water Crossings	Blanco	21					
101000179	Various Streets - Install Floow Early Warning System	Kendall	22					
Batch 2B-3	101000177	Countywide Floodplain Map Update	Gillespie	23				
	10100069	Llano River Erosion	Kimble	24				
	101000183	South Polk Street Study	Lee	25				
	101000070	Llano River Channel Maintenance/Improvements	Llano	26				
	101000073	Comanche Rancherías Subdivision	Llano	27				
	101000071	Drainage Ditch Maintenance/Improvements	Llano	28				
	101000075	Airport Drainage Improvements	Matagorda	29				
	101000077	Update Flood Insurance Study & Flood Insurance Rate Maps	Matagorda	30				
	101000076	Tres Palacios River	Matagorda	31				
	101000149	Various Streets (Moved to FMP)	-	-				

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

Title **Trailmoor near Llano Hwy** ID# **101000048**
Sponsor (name of entity) **Fredericksburg (Municipality)** Commitment Yes No
Technical committee recommend Yes No RFPG recommend Yes No

REGION 10

Study Type

Emergency preparedness Floodplain modeling, mapping and risk assessment Feasibility study Preliminary project engineering
 Other

Problem Area

City **Fredericksburg** County **Gillespie**
Watershed **Barons Creek**
name(s)
Tributary(ies) **Town Creek**
HUC# **12090206** Stream miles (est.) **TBD**
Drainage area: square miles, est. **0.26** or acreage, est. **168**
Social vulnerability index **0.1**
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)
Other **Drainage System Improvements**



Flood Risk Description

The Sponsor has indicated the existing stormwater infrastructure in the study area is undersized and the area is at risk of street flooding, property flooding, and potential structural flooding. The exact risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk **209** Structures at risk **11** Critical facilities at risk **0**
Farm/Ranch land impacted (acres) **12** Roadway(s) impacted (miles) **0.23**

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost **\$250,000** Potential funding source(s) **TBD**

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

Title ID#
Sponsor (name of entity) Commitment Yes No
Technical committee recommend Yes No RFPG recommend Yes No

REGION 10

Study Type

Emergency preparedness Floodplain modeling, mapping and risk assessment Feasibility study Preliminary project engineering
 Other

Problem Area

City County
Watershed
name(s)
Tributary(ies)
HUC# Stream miles (est.)
Drainage area: square miles, est. or acreage, est.
Social vulnerability index
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)
Other



Flood Risk Description

There is existing erosion along the Pedernales River Tributary 2 near the City's Emergency Management System building that is threatening utilities servicing the building and nearby residential structures.

Population at risk Structures at risk Critical facilities at risk
Farm/Ranch land impacted (acres) Roadway(s) impacted (miles)

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost Potential funding source(s)

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

Title **Bob White Trail** ID# **101000051**

Sponsor (name of entity) **Fredericksburg (Municipality)** Commitment Yes No

Technical committee recommend Yes No RFPG recommend Yes No

REGION 10

Study Type

Emergency preparedness Floodplain modeling, mapping and risk assessment Feasibility study Preliminary project engineering
 Other

Problem Area

City **Fredericksburg** County **Gillespie**

Watershed **Muesebach Creek - Pedernales River**
name(s)

Tributary(ies) **Unnamed Tributary**

HUC# **12090206** Stream miles (est.) **TBD**

Drainage area: square miles, est. **0.01** or acreage, est. **4**

Social vulnerability index **0.1**

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other **Roadway/Crossing Improvements & Storm Drainage System**



Flood Risk Description

The existing crossing is undersized and overtops. The existing crossing is a corrugated metal pipe crossing. The proposed improvements include a multi-pipe (2) culvert. The existing road is a 2-lane road with an average daily traffic count of 265.

Population at risk **0** Structures at risk **0** Critical facilities at risk **0**

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (miles) **0.10**

Scope of Study

Conduct a study to evaluate upsizing the existing culvert crossing. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost **\$50,000** Potential funding source(s) **TBD**

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

Title ID#
Sponsor (name of entity) Commitment Yes No
Technical committee recommend Yes No RFPG recommend Yes No

REGION 10

Study Type

Emergency preparedness Floodplain modeling, mapping and risk assessment Feasibility study Preliminary project engineering
 Other

Problem Area

City County
Watershed
name(s)
Tributary(ies)
HUC# Stream miles (est.)
Drainage area: square miles, est. or acreage, est.
Social vulnerability index
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)
Other



Flood Risk Description

The existing crossing is undersized and overtops. The existing crossing is a single pipe culvert. The proposed improvements include redesigning the intersection and installing FEWS. The existing road is a 2-lane road with an average daily traffic count of 265.

Population at risk Structures at risk Critical facilities at risk
Farm/Ranch land impacted (acres) Roadway(s) impacted (miles)

Scope of Study

Conduct a study to evaluate upsizing the existing low water crossing. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost Potential funding source(s)

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

Title Schubert Low Water Crossing ID# 101000054
Sponsor (name of entity) Fredericksburg (Municipality) Commitment Yes No
Technical committee recommend Yes No RFPG recommend Yes No

REGION 10

Study Type

Emergency preparedness Floodplain modeling, mapping and risk assessment Feasibility study Preliminary project engineering
 Other

Problem Area

City Fredericksburg County Gillespie
Watershed Barons Creek
name(s)
Tributary(ies) Unnamed Tributary
HUC# 12090206 Stream miles (est.) TBD
Drainage area: square miles, est. 2.43 or acreage, est. 1,556
Social vulnerability index 0.1
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)
Other Roadway/Crossing Improvements & Channel Improvements



Flood Risk Description

The existing crossing is undersized and overtops. The existing crossing consists of a single pipe culvert. The proposed improvements include lowering the channel and adding drop structures and installing five 9'x5' box culverts. The existing road is a 2-lane road with an average daily traffic count of 269.

Population at risk 0 Structures at risk 0 Critical facilities at risk 0
Farm/Ranch land impacted (acres) 0 Roadway(s) impacted (miles) 0.10

Scope of Study

Conduct a study to evaluate upsizing the existing low water crossing. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost \$50,000 Potential funding source(s) TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

Title ID#
Sponsor (name of entity) Commitment Yes No
Technical committee recommend Yes No RFPG recommend Yes No

REGION 10

Study Type

Emergency preparedness Floodplain modeling, mapping and risk assessment Feasibility study Preliminary project engineering
 Other

Problem Area

City County
Watershed
name(s)
Tributary(ies)
HUC# Stream miles (est.)
Drainage area: square miles, est. or acreage, est.
Social vulnerability index
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)
Other



Flood Risk Description

Town Creek is eroding on the downstream side of Orange Street. Localized scour is occurring at the outfall and along this steeper section of the channel threatening existing utilities. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk Structures at risk Critical facilities at risk
Farm/Ranch land impacted (acres) Roadway(s) impacted (miles)

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost Potential funding source(s)

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

Title ID#
Sponsor (name of entity) Commitment Yes No
Technical committee recommend Yes No RFPG recommend Yes No

REGION 10

Study Type

Emergency preparedness Floodplain modeling, mapping and risk assessment Feasibility study Preliminary project engineering
 Other

Problem Area

City County
Watershed
name(s)
Tributary(ies)
HUC# Stream miles (est.)
Drainage area: square miles, est. or acreage, est.
Social vulnerability index
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)
Other



Flood Risk Description

The storm sewer system needs to be created to capture flow with curb/drop inlets to mitigate flows. The Sponsor has indicated the existing stormwater infrastructure in the study area is undersized and the area is at risk of street flooding, property flooding, and potential structural flooding. The flood risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk Structures at risk Critical facilities at risk
Farm/Ranch land impacted (acres) Roadway(s) impacted (miles)

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost Potential funding source(s)

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

Title ID#

Sponsor (name of entity) Commitment Yes No

Technical committee recommend Yes No RFPG recommend Yes No

REGION 10

Study Type

Emergency preparedness Floodplain modeling, mapping and risk assessment Feasibility study Preliminary project engineering
 Other

Problem Area

City County

Watershed name(s)

Tributary(ies)

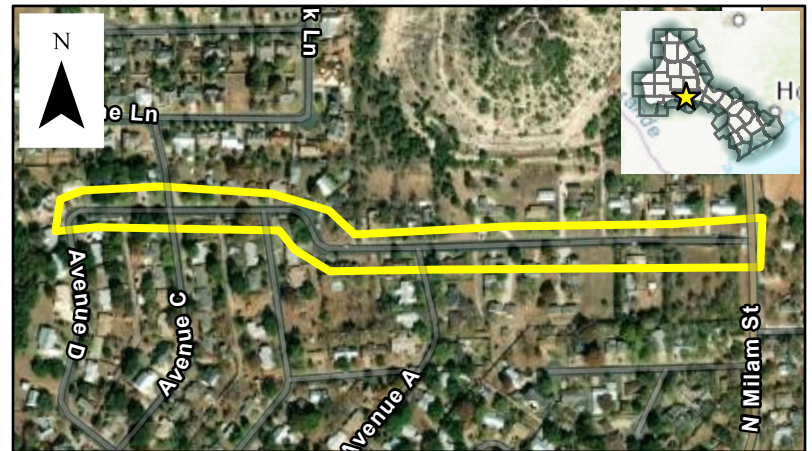
HUC# Stream miles (est.)

Drainage area: square miles, est. or acreage, est.

Social vulnerability index

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other



Flood Risk Description

Drainage system along Cross Mountain West is undersized and the Sponsor has indicated the existing stormwater infrastructure in the study area is undersized and the area is at risk of street flooding, property flooding, and potential structural flooding. The exact risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk Structures at risk Critical facilities at risk

Farm/Ranch land impacted (acres) Roadway(s) impacted (miles)

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost Potential funding source(s)

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

Title **N Milam at West Travis** ID# **101000058**
Sponsor (name of entity) **Fredericksburg (Municipality)** Commitment Yes No
Technical committee recommend Yes No RFPG recommend Yes No

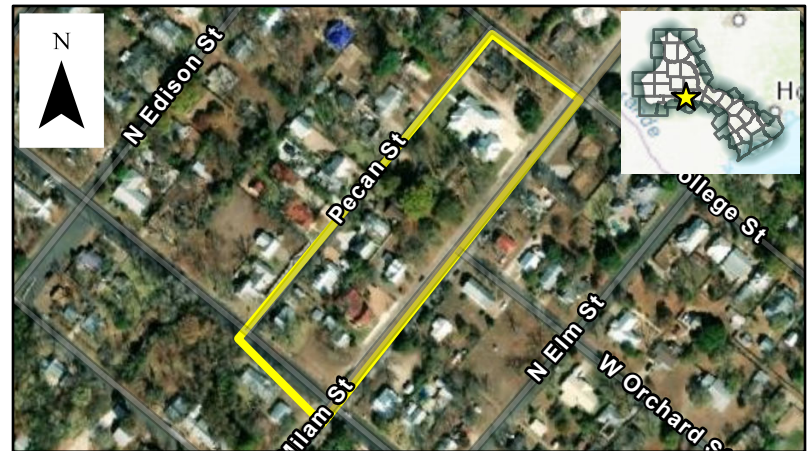
REGION 10

Study Type

Emergency preparedness Floodplain modeling, mapping and risk assessment Feasibility study Preliminary project engineering
 Other

Problem Area

City **Fredericksburg** County **Gillespie**
Watershed **Barons Creek**
name(s)
Tributary(ies) **Town Creek**
HUC# **12090206** Stream miles (est.) **TBD**
Drainage area: square miles, est. **0.01** or acreage, est. **5**
Social vulnerability index **0.1**
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)
Other **Drainage System Improvements**



Flood Risk Description

The Sponsor has indicated the existing stormwater infrastructure in the study area is undersized and the area is at risk of street flooding, property flooding, and potential structural flooding. The exact risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk **30** Structures at risk **12** Critical facilities at risk **0**
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (miles) **0.44**

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost **\$150,000** Potential funding source(s) **TBD**

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

Title **Carriage Hills** ID# **101000122**
Sponsor (name of entity) **Fredericksburg (Municipality)** Commitment Yes No
Technical committee recommend Yes No RFPG recommend Yes No

REGION 10

Study Type

Emergency preparedness Floodplain modeling, mapping and risk assessment Feasibility study Preliminary project engineering
 Other

Problem Area

City **Fredericksburg** County **Gillespie**
Watershed **Barons Creek**
name(s)
Tributary(ies) **Unnamed Tributary**
HUC# **12090206** Stream miles (est.) **TBD**
Drainage area: square miles, est. **0.02** or acreage, est. **16**
Social vulnerability index **0.1**
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)
Other **Channel Improvements**



Flood Risk Description

The area of concern lacks a storm drain system and stormwater is conveyed via streets. The area is subject to localized flooding and channel erosion. The city has identified local drainage improvements including adding curbs, constructing a new channel, increasing the capacity of an existing pond, and replacing the pond outlet structure.

Population at risk **40** Structures at risk **15** Critical facilities at risk **0**
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (miles) **0.29**

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost **\$100,000** Potential funding source(s) **TBD**

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

Title ID#

Sponsor (name of entity) Commitment Yes No

Technical committee recommend Yes No RFPG recommend Yes No

REGION 10

Study Type

Emergency preparedness Floodplain modeling, mapping and risk assessment Feasibility study Preliminary project engineering
 Other

Problem Area

City County

Watershed
name(s)

Tributary(ies)

HUC# Stream miles (est.)

Drainage area: square miles, est. or acreage, est.

Social vulnerability index

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other



Flood Risk Description

The existing crossing is undersized and overtops. The proposed improvements include improving the channel, raising the road, and adding multi-box (6) culvert. The existing road is a 2-lane road with an average daily traffic count of 265.

Population at risk Structures at risk Critical facilities at risk

Farm/Ranch land impacted (acres) Roadway(s) impacted (miles)

Scope of Study

Conduct a study to evaluate the area. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost Potential funding source(s)