

FME Batch 2B

25-May-22

Action Number	Action Name	County	Batch Page Number	Tech Committee	Tech Committee Rec	RFPG Rec	RFPG Rec
			0				
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				
10100122	Carriage Hills	Gillespie	10				
10100123	Post Oak Subdivision	Gillespie	11				
10100124	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				
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)	-	-				

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Batch 2B-3

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

REGION 10

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

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

Dripping Springs Park Dam is a small earthen embankment dam with earthen spillway upstream of HWY 12. The dam does not appear to be regulated by the TCEQ due to size and volume and the exact risk is not well defined. 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. The Sponsor has identified the need to work with FEMA to evaluate and remediate the dam.

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

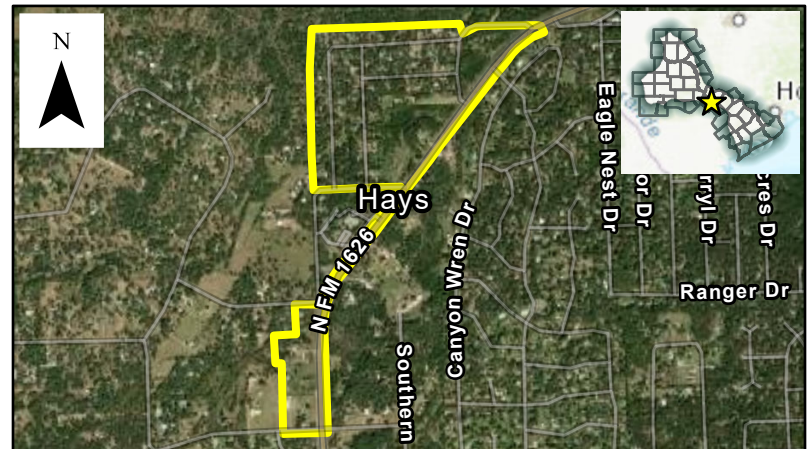
REGION 10

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 tributary to Bear Creek runs through the southern and northern limits of the City and there are multiple houses adjacent to the 100-year floodplain that may be at risk of flooding. The proposed study will develop updated risk information.

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

Scope of Study

The flood study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall) and may develop new floodplain maps that reflect current flood risk.

Related Goal(s)

3.1 Increase the number of entities that have updated watershed models and floodplain maps to reflect current conditions, including as applicable Atlas 14 (Volume 11) revised rainfall data. 3.3 Increase the number of entities that have digital flood insurance rate maps (DFIRMs) that reflect current conditions.

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)

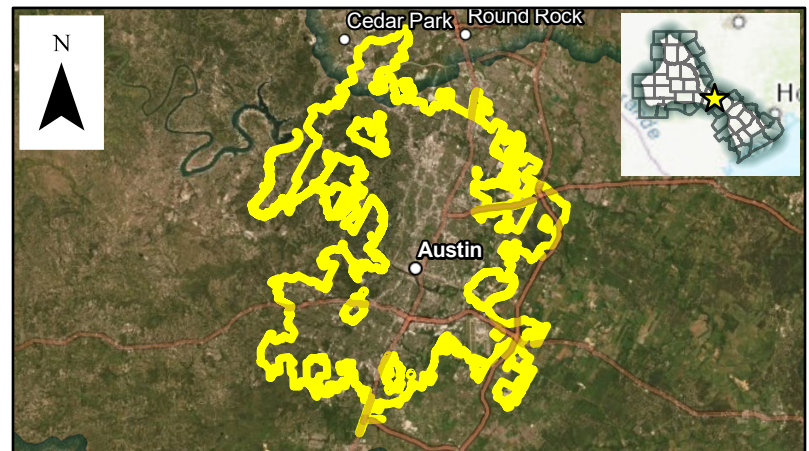
HUC# Stream miles (est.)

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

1D and 2D models are needed for the entire City to evaluate and design upgrades to the existing storm drain systems. The study will update existing 1D models based on new drainage criteria and data, perform QA/QC on previously completed storm drain models, develop new 1D storm drain models for previously unstudies systems, develop 2D system models for unstudied watersheds, and update 2D system models for previously completed 2D model studies.

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)

3.2 Increase the number of entities that have evaluated priority flood risk areas and flood risk reduction measures (e.g., alternatives analysis and preliminary engineering). 5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 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 **Stormwater Diversion Project** ID# **101000063**
Sponsor (name of entity) **Edna (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 **Edna** County **Jackson**
Watershed **Post Oak Branch - Dry Creek**
name(s)
Tributary(ies) **Dry Creek**
HUC# **12100101,12100102** Stream miles (est.) **TBD**
Drainage area: square miles, est. **4.06** or acreage, est. **2,601**
Social vulnerability index **0.51**
(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. Sponsor has indicated targeted buyouts area also a potential outcome.

Population at risk **2,503** Structures at risk **1,223** Critical facilities at risk **0**
Farm/Ranch land impacted (acres) **137** Roadway(s) impacted (miles) **26.26**

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)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 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 **\$200,000** 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
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

CR480 runs parallel to Matagorda Bay and is threatened by erosion. The road serves as one of the primary means of ingress/egress to several residential areas in southern Jackson County. The proposed improvements include construction of a wall to protect and strengthen the roadway. The existing road is a 2-lane road with an average daily traffic count of 36.

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)

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

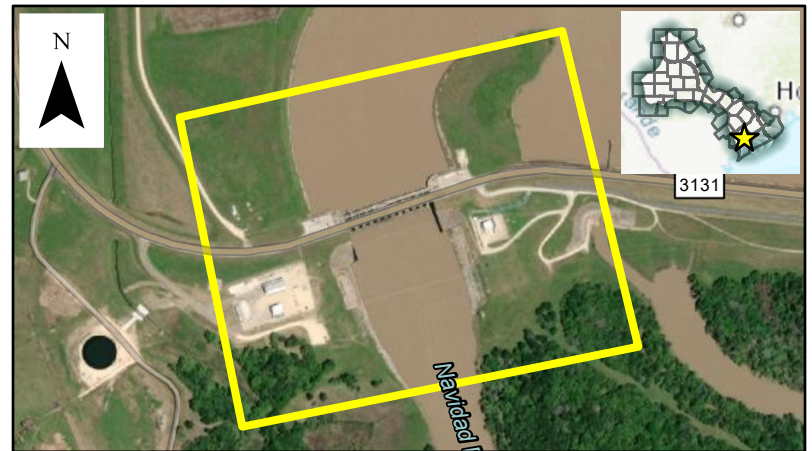
REGION 10

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

Lake Texana is a large earthen embankment dam with a multiple-gate concrete spillway that is traversed by FM 3131. The dam has limited ability to quickly deploy/install stop-logs in front of the gates in an emergency and has identified the need to develop an emergency stop log deployment system. 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) to determine how stop log installation could impact dam operations, 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 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 existing 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)

3.2 Increase the number of entities that have evaluated priority flood risk areas and flood risk reduction measures (e.g., alternatives analysis and preliminary engineering). 5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 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 **Various Streets - Upgrade Existing Culverts and Bridges** ID# **101000093**

Sponsor (name of entity) **Victoria (County)** 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 **N/A** County **Victoria**

Watershed **Multiple Watersheds**
name(s)

Tributary(ies) **Unnamed Tributary**

HUC# **12100204,12100402** Stream miles (est.) **TBD**

Drainage area: square miles, est **885.81** or acreage, est. **566,920**

Social vulnerability index **0.62**

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

Other **Roadway/Crossing Improvements**



Flood Risk Description

The Sponsor has indicated there are multiple low water crossings that are undersized and overtop. They have also identified that a number of bridges do not have sufficient hydraulic capacity and should be raised above the base flood elevation. Proposed improvements include upsizing the culverts and elevating bridges. 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 **0** Structures at risk **0** Critical facilities at risk **0**

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (miles) **51.50**

Scope of Study

Conduct a study to evaluate upsizing the existing low water crossings and bridges. 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 **\$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

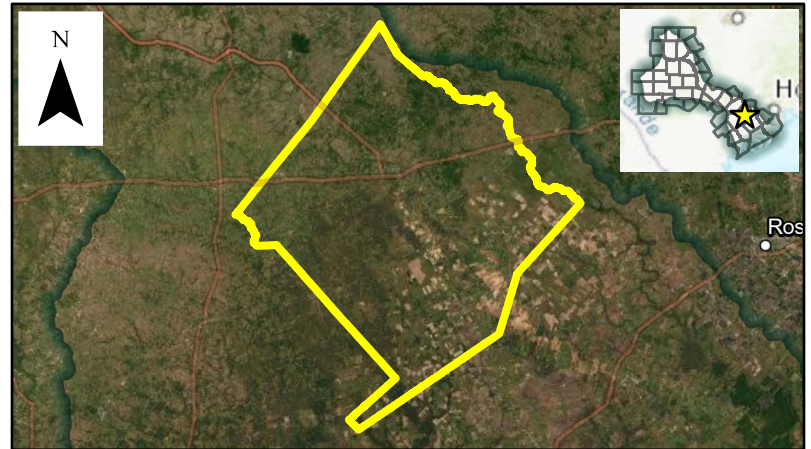
REGION 10

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 subdivision has multiple local drainage problems and portions of the subdivision are at risk of 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) to identify priority flood risk areas, 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)

3.2 Increase the number of entities that have evaluated priority flood risk areas and flood risk reduction measures (e.g., alternatives analysis and preliminary engineering). 5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 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

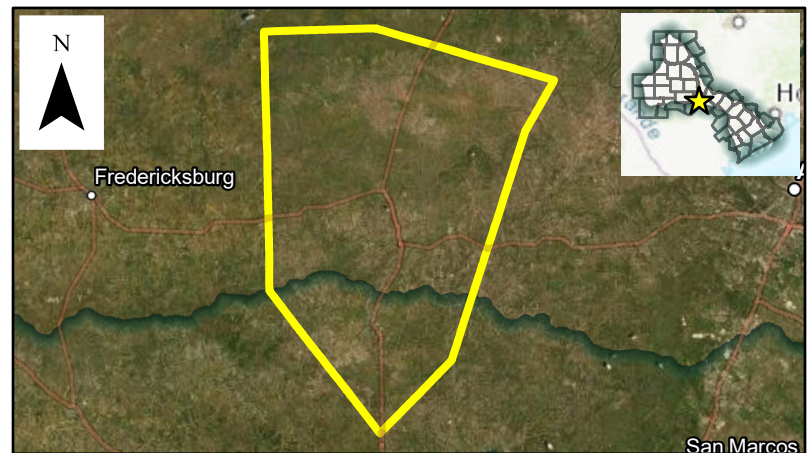
REGION 10

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 Sponsor has indicated there are multiple low water crossings throughout the County that are undersized and overtop. Proposed improvements include upsizing the culverts.

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 crossings. 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)