

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 Rancherias 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)	-	-				

Batch 2B-1

Batch 2B-2

Batch 2B-3

# 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

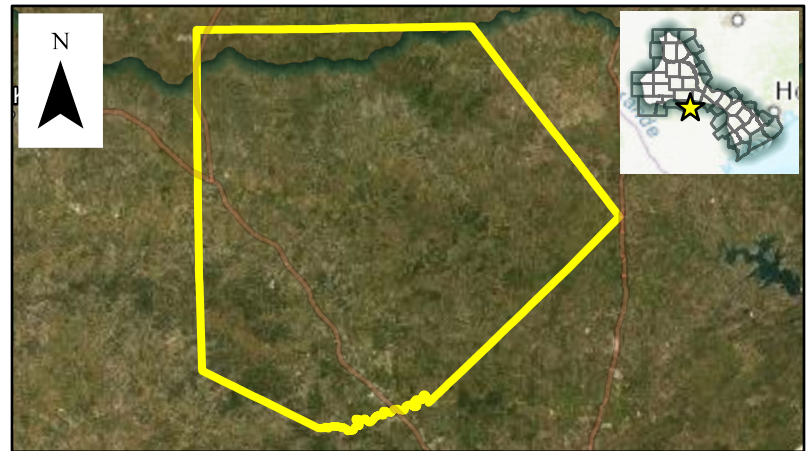
REGION 10

### 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 county has identified multiple roadway/crossings that overtop and where structural improvements are not feasible. Proposed study will identify priority crossings to receive flood warning systems or other safety improvements.

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

### Scope of Study

Evaluate the type of flood early warnings system (flashers, barricades, signage) and communication systems requirements for the installation and long-term maintenance of the system. Include hydrologic and hydraulic modeling (if needed) including depth, duration and frequency of flooding, daily traffic counts, and length of detour (minutes),

### 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

REGION 10

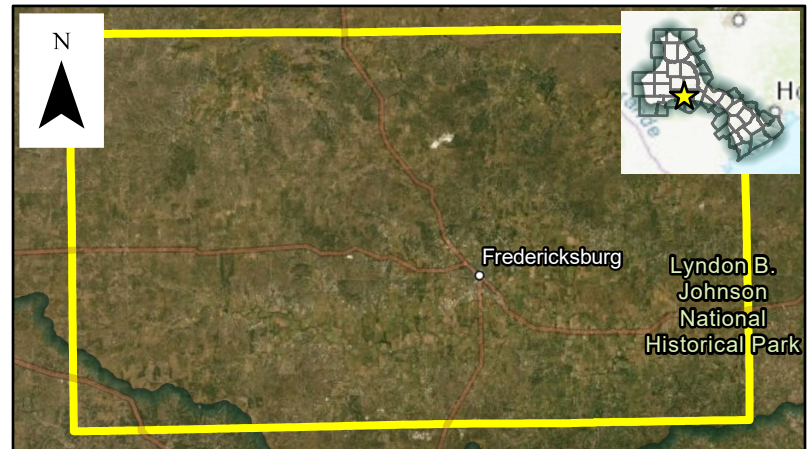
Title  ID#   
Sponsor (name of entity)  Commitment  Yes  No  
Technical committee recommend  Yes  No RFPG recommend  Yes  No

### 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

The existing floodplain maps are outdated and do not reflect current flood risk.

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 will 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 **Llano River Erosion** ID# **101000069**

Sponsor (name of entity) **Junction (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 **Junction** County **Kimble**

Watershed **Elm Slough - North Llano River, Joy Creek - South Llano River**  
name(s)

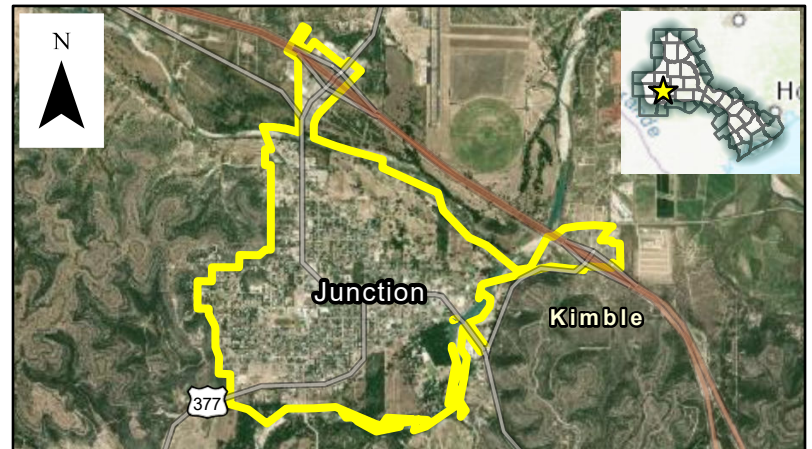
Tributary(ies) **Llano River**

HUC# **12090202,12090204** Stream miles (est.) **1.60**

Drainage area: square miles, est. **2.39** or acreage, est. **1,527**

Social vulnerability index **0.33**  
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other **Channel Improvements/erosion protection**



### Flood Risk Description

The City has identified numerous erosion locations along the Llano River impacting Lake Junction and will undertake a study to develop and implement projects to prevent erosion.

Population at risk **252** Structures at risk **130** Critical facilities at risk **0**

Farm/Ranch land impacted (acres) **427** Roadway(s) impacted (miles) **6.63**

### Scope of Study

Study will include hydrologic and hydraulic modeling, 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 **\$200,000** Potential funding source(s) **TBD**

# Flood Management Evaluation (FME) STUDY

## Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

REGION 10

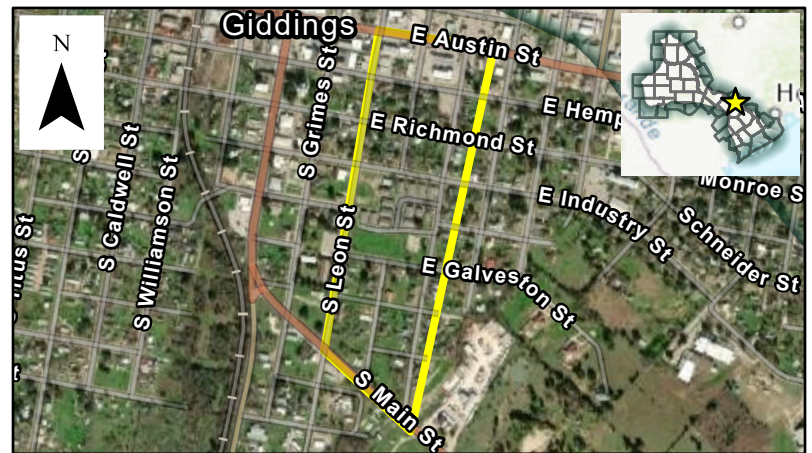
Title **South Polk Street Study** ID# **101000183**  
Sponsor (name of entity) **Giddings (Municipality)** Commitment  Yes  No  
Technical committee recommend  Yes  No RFPG recommend  Yes  No

### Study Type

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

### Problem Area

City **Giddings** County **Lee**  
Watershed **Upper Rabbs Creek**  
name(s)  
Tributary(ies) **Unnamed Tributary**  
HUC# **12090301** Stream miles (est.) **TBD**  
Drainage area: square miles, est. **0.08** or acreage, est. **49**  
Social vulnerability index **0.42**  
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)  
Other **Watershed Study**



### 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 **25** Structures at risk **17** Critical facilities at risk **0**  
Farm/Ranch land impacted (acres) **TBD** Roadway(s) impacted (miles) **0.32**

### Scope of Study

The flood 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)

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

# Flood Management Evaluation (FME) STUDY

## Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

REGION 10

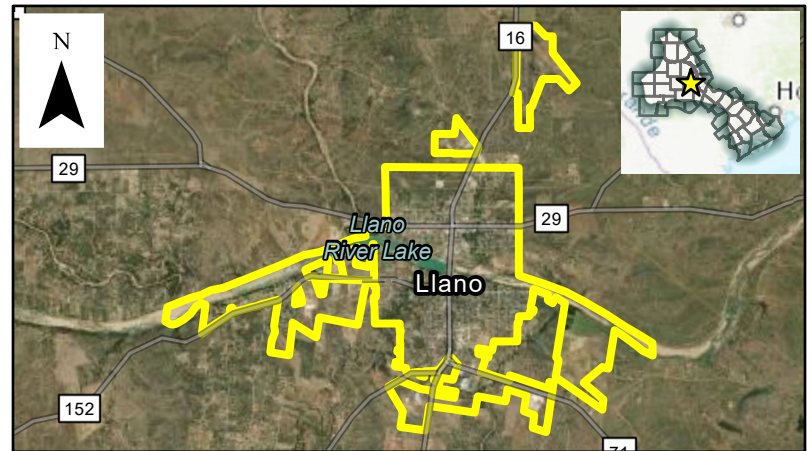
Title **Llano River Channel Maintenance/Improvements** ID# **101000070**  
Sponsor (name of entity) **Llano (Municipality)** Commitment  Yes  No  
Technical committee recommend  Yes  No RFPG recommend  Yes  No

### Study Type

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

### Problem Area

City **Llano** County **Llano**  
Watershed **Johnson Creek - Llano River, Pecan Creek - Llano River,  
name(s) Oatman Creek - Llano River, Wrights Creek - Llano River**  
Tributary(ies) **Llano River**  
HUC# **12090204** Stream miles (est.) **TBD**  
Drainage area: square miles, est. **5.76** or acreage, est. **3,685**  
Social vulnerability index **0.19**  
*(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)*  
Other **Channel Improvements**



### Flood Risk Description

The City has identified numerous maintenance issues in the Johnson Creek, Pecan Creek, Oatman Creek, and Wrights Creek watersheds as well as potential channel modifications/stabilization needs to prevent erosion and mitigate local flooding. The proposed study will evaluate the need for structural infrastructure improvements and develop a more detailed assessment of existing flood and potential flood risk reduction (if appropriate) that will be used to evaluate projects for future planning cycles.

Population at risk **549** Structures at risk **181** Critical facilities at risk **0**  
Farm/Ranch land impacted (acres) **464** Roadway(s) impacted (miles) **4.11**

### Scope of Study

Study will include hydrologic and hydraulic modeling of preliminary design of improvements (if needed) 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

REGION 10

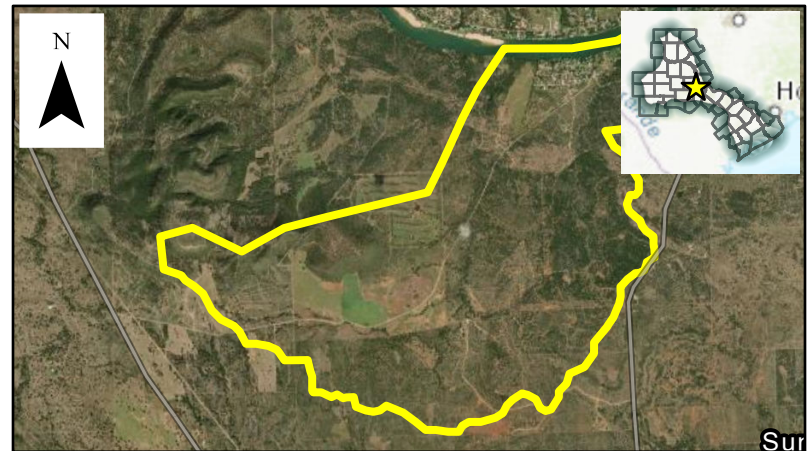
Title  ID#   
Sponsor (name of entity)  Commitment  Yes  No  
Technical committee recommend  Yes  No RFPG recommend  Yes  No

### 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

The subdivision has multiple local drainage problems and portions of the subdivision are at risk of flooding including a 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

The flood 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)

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

REGION 10

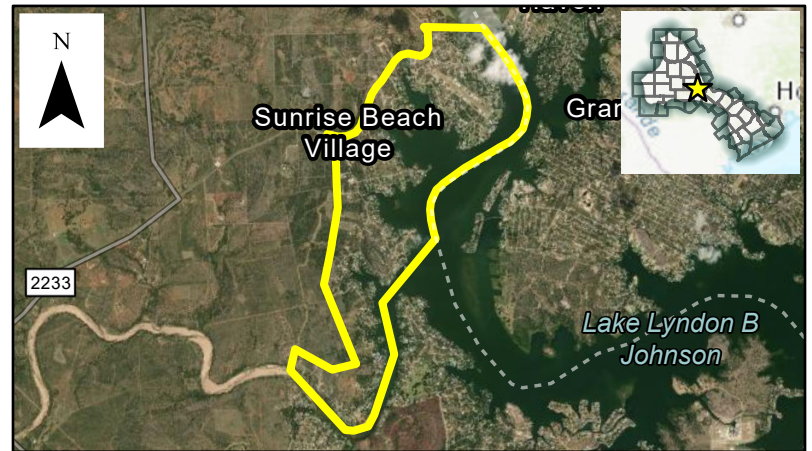
Title  ID#   
Sponsor (name of entity)  Commitment  Yes  No  
Technical committee recommend  Yes  No RFPG recommend  Yes  No

### 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

The City has identified a number of drainage channels that need to be maintained as well as improved to provide additional conveyance to prevent erosion and mitigate local flooding. The proposed improvements will include channel modifications and develop a more detailed assessment of existing flood and potential flood risk reduction (where appropriate) that will 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 airport is located within the 100-year floodplain of Tres Palacios Bay and has local drainage problems with portions of the area at risk of flooding. The 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

The flood 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 constructibility).

### 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)

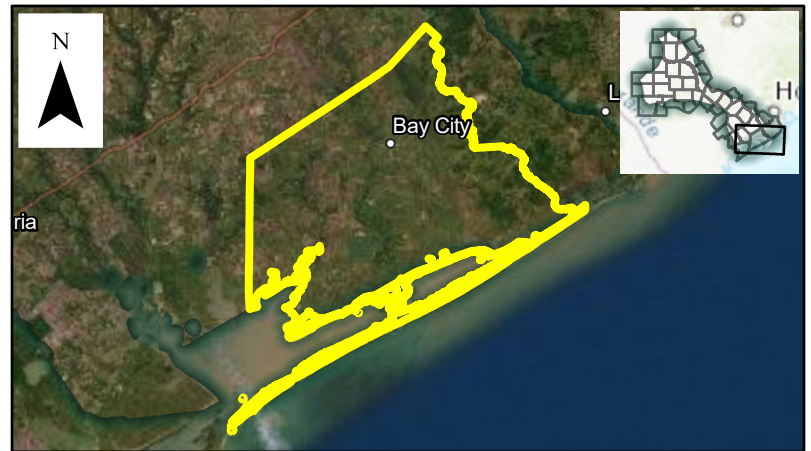
HUC#  Stream miles (est.)

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 existing floodplain maps are outdated and do not reflect current flood risk.

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 will 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

The county has identified multiple roadway/crossings on the Tres Palacios River that overtop and where structural improvements are not feasible. The proposed study will identify priority crossings to receive flood warning systems or other safety improvements.

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

### Scope of Study

Evaluate the type of flood early warnings system (flashers, barricades, signage) and communication systems requirements for the installation and long-term maintenance of the system. Include hydrologic and hydraulic modeling (if needed) including depth, duration and frequency of flooding, daily traffic counts, and length of detour (minutes),

### 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)