

FME Batch 2A

25-May-22

Action Number	Action Name	County	Page Number	Tech Committee	Tech Committee Rec	RFPG Rec	RFPG Rec
			0				
Batch 2A-1	10100001	Drainage System Improvements	Bastrop	1			
	10100004	Gotier Trace Low Water Crossings	Bastrop	2			
	10100005	Lakeview Drive & Tuck Street	Bastrop	3			
	10100008	Clear Springs Lake Dam	Bastrop	4			
	10100023	Gills Branch	Bastrop	5			
	10100027	FM 812 at Little Alum Creek	Bastrop	6			
	10100028	FM 812 at Alum Creek South	Bastrop	7			
	101000102	Piney Creek Benching	Bastrop	8			
	101000103	Design System Improvements - JC Madison Addition	Bastrop	9			
	101000104	Citywide drainage system improvements	Bastrop	10			
	101000125	Alum Creek - Tributary 8, Bowie Drive	Bastrop	11			
	101000108	Develop New/Updated Floodplain Maps	Blanco	12			
Batch 2A-2	101000182	Johnson City Floodplain Mapping (Removed duplicate)	-	-			
	101000113	Burnet County Flood Early Warning System	Burnet	13			
	101000109	CR 332 Drainage Improvements	Brazoria	14			
	101000110	Various culverts along Stevenson Slough	Brazoria	15			
	101000136	Highway 36	Brazoria	16			
	101000121	Various Streets - Install Flood Early Warning Systems	Fort Bend	17			
	101000029	Magnolia St	Brown	18			
	101000111	Adopt Flood Insurance Rate Maps	Brown	19			
	101000137	CR257 at Pecan Bayou (Tenmile Crossing)	Brown	20			
	101000160	Delaware Creek Flood Study	Brown	21			
	101000032	Mission Hills Street	Burnet	22			
	101000114	Shade Grove flood study	Burnet	23			
	101000116	Whitman Branch Bypass; Oak Ridge Drive Creek	Burnet	24			
	101000117	Various Streets (Moved to FMP)	-	-			
	Batch 2A-3	101000159	Wattwater Treatment Plant Flood Study	Burnet	25		
101000161		VFW Flood Study	Burnet	26			
101000171		Citywide Floodplain Remapping	Burnet	27			
101000041		Low water crossings within City (Moved to FMP)	-	-			
101000034		Lum Rd, Hilltop Rd, FM 2919 N	Fort Bend	28			
101000035		Drainage improvements to Crawford outlet right-of-way	Fort Bend	29			
101000036		McFarland Rd, Lum Rd, and Braxton Rd (Removed duplicate)	-	-			
101000037		Gene and Church Streets	Fort Bend	30			
101000038		800 Block W San Antonio	Gillespie	31			
101000039		South End of Acorn Street	Gillespie	32			
101000040		Bowie Low Water Crossing (Moved to FMP)	-	-			
101000042	Bowie & Peach Street	Gillespie	33				
101000044	112 W Park	Gillespie	34				

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

Title **Wastewater Treatment Plant Flood Study** ID# **101000159**
Sponsor (name of entity) **Burnet (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 **Burnet** County **Burnet**
Watershed **Headwaters Hamilton Creek**
name(s)
Tributary(ies) **Hamilton Creek**
HUC# **12090205** Stream miles (est.) **TBD**
Drainage area: square miles, est. **0.06** or acreage, est. **37**
Social vulnerability index **0.19**
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)
Other **Watershed Study**



Flood Risk Description

The plant is located within, and may be impacted by, the 100-year floodplain of Hamilton Creek and/or Headwaters of Hamilton Creek. The area has existing local drainage problems and has experienced excessive flow depth and velocity. 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 **3** Structures at risk **3** Critical facilities at risk **1**
Farm/Ranch land impacted (acres) **12** Roadway(s) impacted (miles) **0.15**

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)

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). 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

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

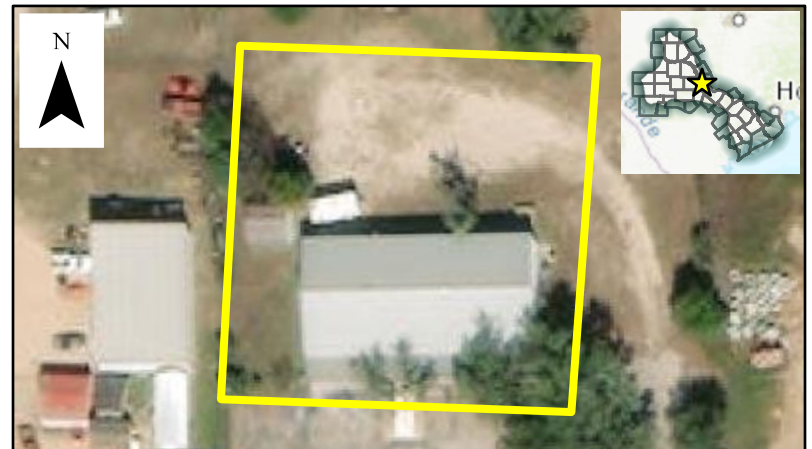
REGION 10

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 area has local drainage problems and is at risk of flooding. The building is located adjacent to the 100-year floodplain and has experienced flooding. 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)

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

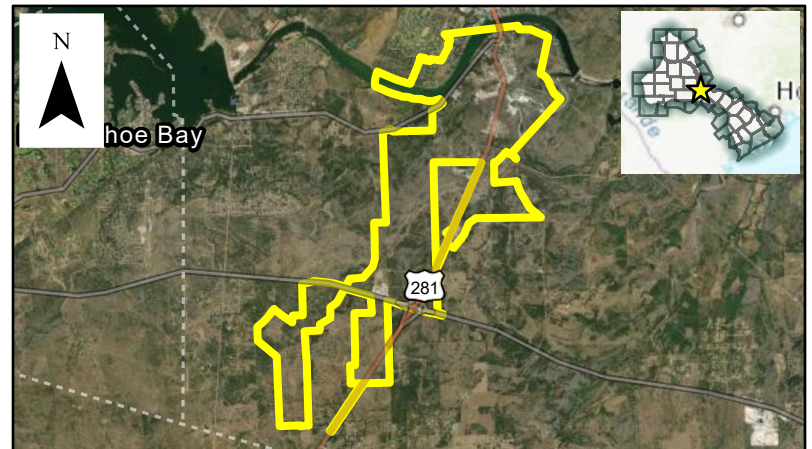
REGION 10

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

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 Lum Rd, Hilltop Rd, FM 2919 N ID# 101000034

Sponsor (name of entity) Kendleton (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 Kendleton County Fort Bend

Watershed Boone Branch - San Bernard River
name(s)

Tributary(ies) Brooks Branch

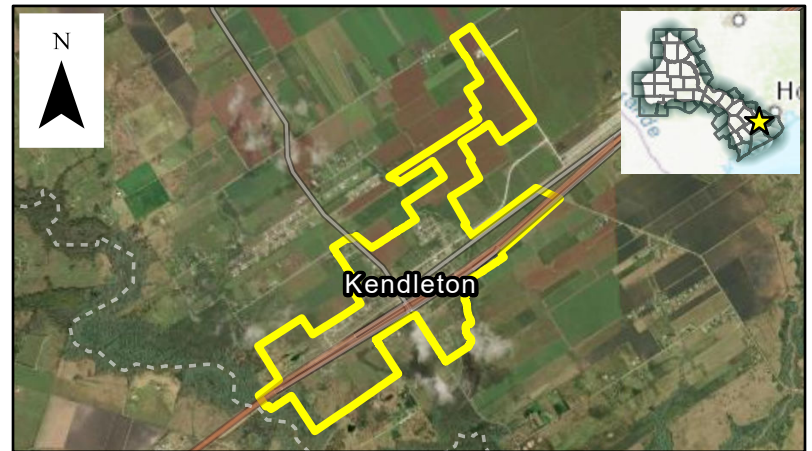
HUC# 12090401 Stream miles (est.) TBD

Drainage area: square miles, est. 1.41 or acreage, est. 905

Social vulnerability index 0.1

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

Other Roadway/Crossing Improvements



Flood Risk Description

The existing crossings are undersized and overtop. The proposed improvements include upsizing the existing crossings. Study results will provide a more detailed assessment of existing flood risk and assess potential future projects.

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

Farm/Ranch land impacted (acres) 0 Roadway(s) impacted (miles) 0.85

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 \$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

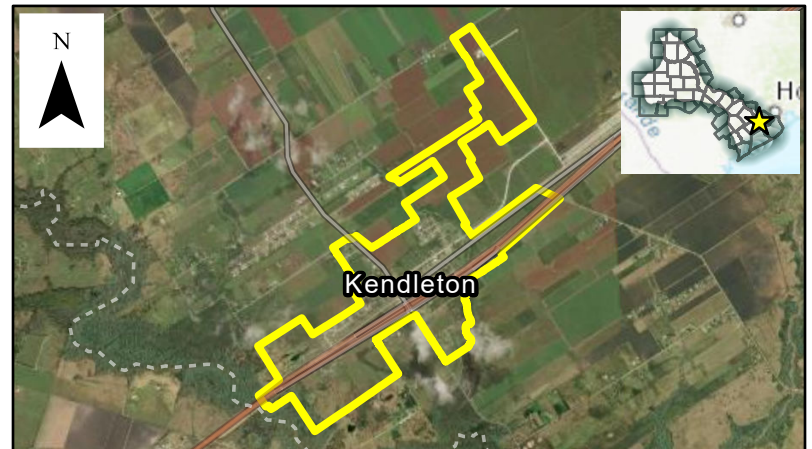
REGION 10

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 Sponsor has indicated the existing outlet/right-of-way stormwater infrastructure is undersized and the area is at risk of localized 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 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 installation of culverts. The existing road is a 2-lane road with an average daily traffic count of 321.

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 proposed 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 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)

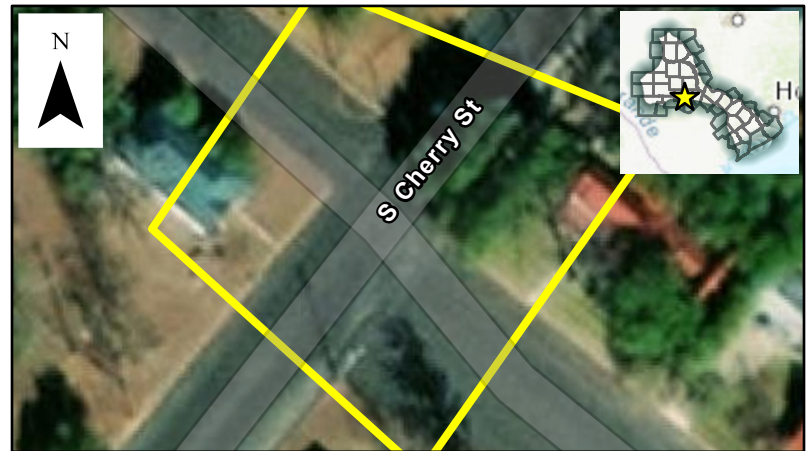
HUC# Stream miles (est.)

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 crossing is undersized and overtops. The existing crossing is a multi-box (2) crossing. The proposed improvements include channels and drop structures. The existing road is a 2-lane road with an average daily traffic count of 510.

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 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 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

There is a lack of conveyance from Acorn Street to Barons Creek. Stormwater runs off public right-of-way through private property and is creating local flooding issues as well as eroding the left bank of the Creek. Study results would 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 **Bowie & Peach Street** ID# **101000042**

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) **Barons Creek**

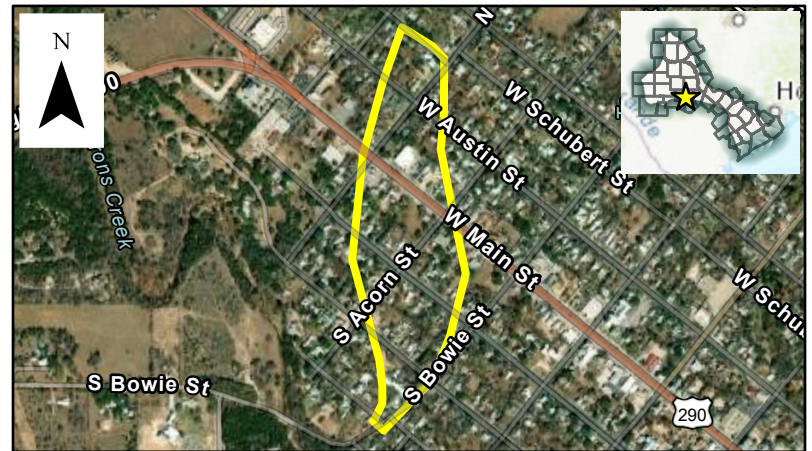
HUC# **12090206** Stream miles (est.) **TBD**

Drainage area: square miles, est. **0.06** or acreage, est. **36**

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 storm sewer system and curb inlets need to be upgraded to include two 36" RCPs. 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 **250** Structures at risk **90** Critical facilities at risk **0**

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (miles) **1.08**

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 **\$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

There is a lack of conveyance from Park Street to Barons Creek. Stormwater runs off public right-of-way through private property and is creating local flooding issues as well as eroding the left bank of the Creek. 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)