Batch 2A

Action Number	Action Name	County	Batch Page Number	Tech Committee	Tech Committee Rec	RFPG Rec	RFPG Rec
			1				
101000001	Improve storm drainage system to convey 25-year storm event	Bastrop	2				
101000004	Gotier Trace in Precinct 2 at multiple Trib Crossings	Bastrop	3				
101000005	Lakeview Drive & Tuck Street	Bastrop	4				
101000008	Clear Springs Lake Dam	Bastrop	5				
101000023	Gills Branch	Bastrop	6				
101000027	FM 812 at Little Alum Creek	Bastrop	7				
101000028	FM 812 at Alum Creek South	Bastrop	8				
101000102	Piney Creek Benching	Bastrop	9				
101000103	Design & implement drainage system improvements within JC Madison Addition	Bastrop	10				
101000104	Citywide drainage system improvements	Bastrop	11				
101000125	Alum Creek - Tributary 8, Bowie Drive	Bastrop	12				
101000108	Develop floodplain maps	Blanco	13				
101000182	Johnson City Floodplain Mapping	Blanco	14				
101000113	LCRA Floodgate Operation Notification System	Blanco and others	15				
101000109	CR 332 Drainage Improvements	Brazoria	16				
101000110	Various culverts along Stevenson Slough	Brazoria	17				
101000136	Highway 36	Brazoria	18				
101000121	Various Streets - install high water barricades	Brazoria and others	19				
101000029	Magnolia St	Brown	20				
101000111	Adopt Flood Insurance Rate Maps	Brown	21				
101000137	CR257 at Pecan Bayou (Tenmile Crossing)	Brown	22				
101000160	Delaware Creek Flood Study	Brown	23				
101000032	Mission Hills Street	Burnet	24				
101000114	Shade Grove flood study	Burnet	25				
101000116	Whitman Branch Bypass; Oak Ridge Drive Creek	Burnet	26				
101000117	Various Streets	Burnet	27				
101000159	Sewer Plant Flood Study	Burnet	28				
101000161	VFW Flood Study	Burnet	29				
101000171	Flood Study - Marble Falls	Burnet	30				
101000041	8 low water crossings within City	Burnet	31				
101000034	Lum Rd, Hilltop Rd, FM 2919 N	Fort Bend	32				
101000035	Drainage improvements to Crawford outlet right-of-way	Fort Bend	33				
101000036	McFarland Rd, Lum Rd, and Braxton Rd	Fort Bend	34				
101000037	Gene and Church Streets	Fort Bend	35				
101000038	800 Block W San Antonio	Gillespie	36				
101000039	South End of Acorn St	Gillespie	37				
101000040	S Bowie Low Water Crossing	Gillespie	38				
101000042	Bowie & Peach St	Gillespie	39				
101000044	112 W Park	Gillespie	40				

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

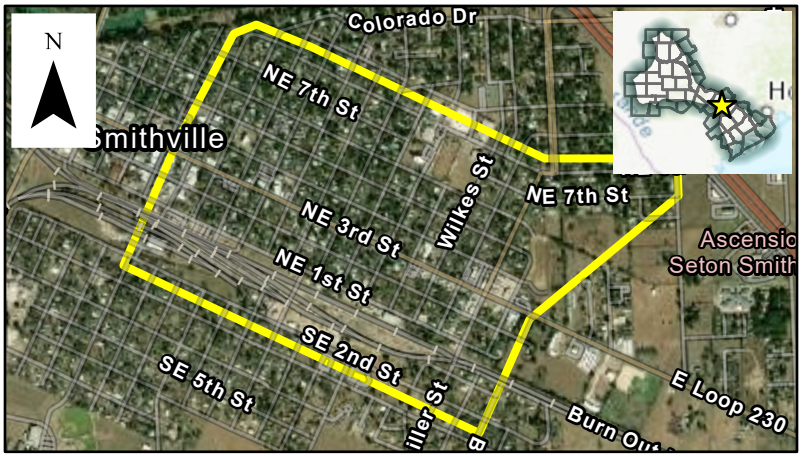
Title: Improve storm drainage system to convey 25-year storm event
ID#: 101000001
Sponsor (name of entity): Smithville
Commitment: Yes
Technical committee recommend: TBD
RFPG recommend: TBD

Study Type

Other

Problem Area

City: Smithville
County: Bastrop
Watershed Name: Willow Creek - Colorado River
Tributary(ies): Unnamed Tributary
HUC#: 12090301
Stream miles (est.): TBD
Drainage area: square miles, est: 0.67
or acreage, est.: 429
Social vulnerability index: 0.61
Other: Drainage system improvements - NE 7th, NE 8th, NE 5th, NE 2nd, SE 2nd, SE 4th



Flood Risk Description

Stormwater infrastructure including bridges/culverts and associated drainage systems are undersized to convey the 25-year storm event. The area has experienced excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion.

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

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 roadway

Estimated Study Cost

Cost: $250,000
Potential funding source(s): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

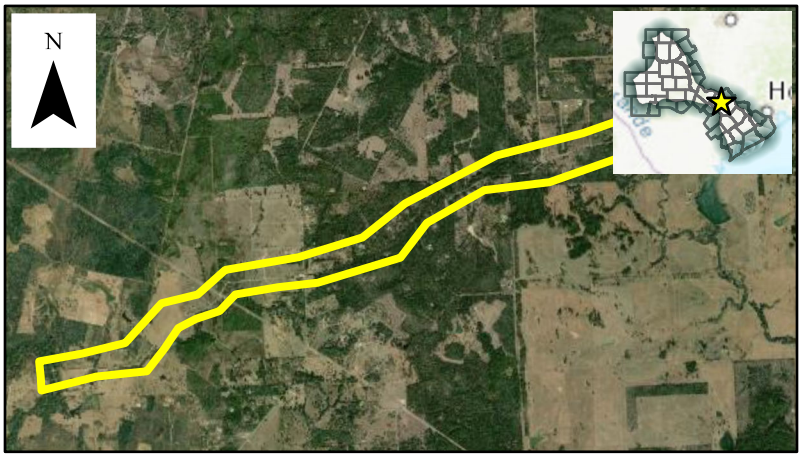
Title: Gotier Trace in Precinct 2 at multiple Trib Crossings
ID#: 101000004
Sponsor (name of entity): Bastrop (County)
Commitment: Yes
Technical committee recommend: TBD
RFPG recommend: TBD

Study Type

Other

Problem Area

City: Paige
County: Bastrop
Watershed Name: Alum Creek, Gravelly Creek
Tributary(ies): Unnamed Tributary
HUC#: 12090301
Stream miles (est.): TBD
Drainage area: square miles, est: 1.21
or acreage, est.: 778
Social vulnerability index: 0.61
Other: Roadway/Crossing Improvements



Flood Risk Description

The existing crossing is undersized and overtops. The existing crossing is multiple low water crossings. The proposed improvements include a multi-box culvert. The existing road is a 2-lane road with an average daily traffic count of 115.

Population at risk: 3
Structures at risk: 2
Critical facilities at risk: 0
Farm/Ranch land impacted (acres): 163
Roadway(s) impacted (miles): 1.34

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): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

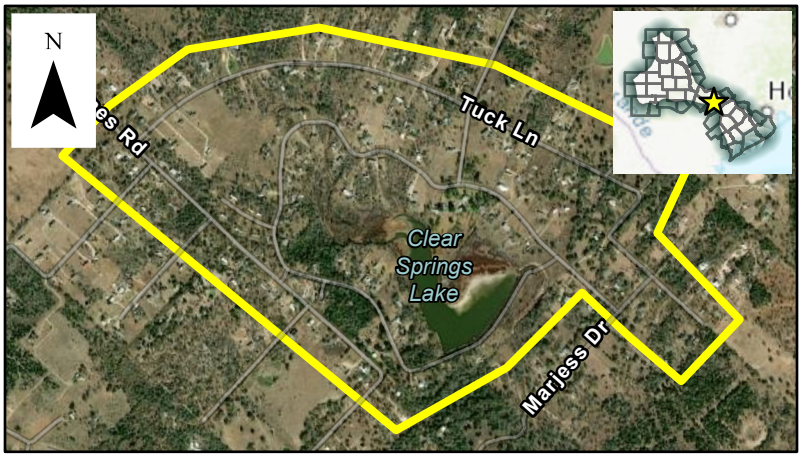
Title: Lakeview Drive & Tuck Street | ID#: 101000005
Sponsor (name of entity): Wyldwood | Commitment: Yes
Technical committee recommend: TBD | RFPG recommend: TBD

Study Type

Other

Problem Area

City: Wyldwood | County: Bastrop
Watershed Name: Greens Creek - Cedar Creek
Tributary(ies): Greens Creek
HUC#: 12090301 | Stream miles (est.): TBD
Drainage area: square miles, est: 0.56 | or acreage, est.: 360
Social vulnerability index: 0.61
Other: Drainage system improvements



Flood Risk Description

The watershed has undersized infrastructure including the creek, bridges/culverts, and the associated drainage system. The area has experienced excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion.

Population at risk: 3 | Structures at risk: 47 | Critical facilities at risk: 0
Farm/Ranch land impacted (acres): 62 | Roadway(s) impacted (miles): 0.38

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 roadway

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Clear Springs Lake Dam | ID#: 101000008
Sponsor (name of entity): Bastrop (County) | Commitment: Yes
Technical committee recommend: TBD | RFPG recommend: TBD

Study Type

Other

Problem Area

City: Wyldwood | County: Bastrop
Watershed Name: Greens Creek - Cedar Creek
Tributary(ies): Clear Springs Lake
HUC#: 12090301 | Stream miles (est.): 1.00
Drainage area: square miles, est: 0.00 | or acreage, est.: 0
Social vulnerability index: 0.61
Other: Dam Improvements

Flood Risk Description

Clear Springs Lake is impounded by an earthen embankment dam with an earthen spillway. The spillway is eroding threatening downstream houses and potential beach. The dam needs to be evaluated for compliance with TCEQ Dam Safety requirements and improvements/repairs to the dam developed.

Population at risk: 0 | Structures at risk: 0 | Critical facilities at risk: 0
Farm/Ranch land impacted (acres): 0 | 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: $100,000 | Potential funding source(s): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title Gills Branch ID# 101000023

Sponsor (name of entity) Bastrop (Municipality) Commitment Yes

Technical committee recommend TBD RFPG recommend TBD

Study Type

Other

Problem Area

City Bastrop County Bastrop

Watershed Name Copperas Creek - Colorado River

Tributary(ies) Gill's Branch

HUC# 12090301 Stream miles (est.) 0.00

Drainage area: square miles, est 0.03 or acreage, est. 21

Social vulnerability index 0.61

Other Drainage System Improvements

Flood Risk Description

Gillis Branch Creek watershed has undersized stormwater infrastructure including the creek, bridges/culverts, and the associated drainage system. The area has experienced excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion.

Population at risk 234 Structures at risk 14 Critical facilities at risk 0

Farm/Ranch land impacted (acres) 2 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)

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 roadway

Estimated Study Cost

Cost $100,000 Potential funding source(s) -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: FM 812 at Little Alum Creek | ID#: 101000027
Sponsor (name of entity): Bastrop (County) | Commitment: Yes
Technical committee recommend: TBD | RFPG recommend: TBD

Study Type

Other

Problem Area

City: Cedar Creek | County: Bastrop
Watershed Name: Alum Creek - Walnut Creek
Tributary(ies): Little Alum Creek
HUC#: 12090301 | Stream miles (est.): TBD
Drainage area: square miles, est: 1.88 | or acreage, est.: 1,201
Social vulnerability index: 0.61
Other: Roadway/Crossing Improvements & Channel Improvements

Flood Risk Description

The existing crossings are undersized and overtop. The existing crossing is a bridge. The proposed improvements include upgrades to the subject crossing along with channel modifications. The existing main stem road is a 2-lane road with an average daily traffic count of 9,088.

Population at risk: 0 | Structures at risk: 25 | Critical facilities at risk: 0
Farm/Ranch land impacted (acres): 60 | Roadway(s) impacted (miles): 0.31

Scope of Study

Conduct a study to evaluate upsizing the existing low water crossings and channel modifications. 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): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title FM 812 at Alum Creek South ID# 101000028

Sponsor (name of entity) Bastrop (County) Commitment Yes

Technical committee recommend TBD RFPG recommend TBD

Study Type

Other

Problem Area

City Cedar Creek County Bastrop

Watershed Name Alum Creek - Walnut Creek

Tributary(ies) Alum Creek

HUC# 12090301 Stream miles (est.) TBD

Drainage area: square miles, est 1.21 or acreage, est. 772

Social vulnerability index 0.61

Other Roadway/Crossing Improvements & Channel Improvements

Flood Risk Description

The existing crossings are undersized and overtop. The existing crossing is a bridge. The proposed improvements include upgrades to the subject crossing along with channel modifications. The existing main stem road is a 2-lane road with an average daily traffic count of 9,088.

Population at risk 2 Structures at risk 1 Critical facilities at risk 0

Farm/Ranch land impacted (acres) 28 Roadway(s) impacted (miles) 0.08

Scope of Study

Conduct a study to evaluate upsizing the existing low water crossings and channel modifications. 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) -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title Piney Creek Benching ID# 101000102

Sponsor (name of entity) Bastrop (Municipality) Commitment Yes

Technical committee recommend TBD RFPG recommend TBD

Study Type

Other

Problem Area

City Bastrop County Bastrop

Watershed Name Spicer Creek - Piney Creek

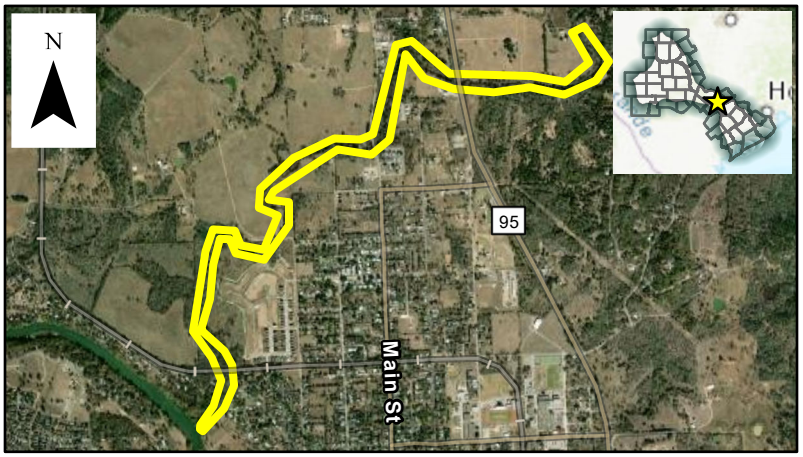
Tributary(ies) Piney Creek

HUC# 12090301 Stream miles (est.) 1.50

Drainage area: square miles, est 0.12 or acreage, est. 78

Social vulnerability index 0.61

Other Channel Improvements



Flood Risk Description

The existing channel from upstream of HWY 95 to the Colorado River is undersized threatening multiple road crossings as well as houses on Magnolia Street, Mesquite street, and in the Bastrop Estates Mobile Home Park. The city has identified channel benching (approx. 4,430 feet) to increase conveyance as a potential solution.

Population at risk 42 Structures at risk 9 Critical facilities at risk 0

Farm/Ranch land impacted (acres) 37 Roadway(s) impacted (miles) 0.19

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) -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Design & implement drainage system improvements within JC | ID#: 101000103

Sponsor (name of entity): Bastrop (County) | Commitment: Yes

Technical committee recommend: TBD | RFPG recommend: TBD

Study Type

Other

Problem Area

City: Utley | County: Bastrop

Watershed Name: Wilbarger Bend, Colorado River, Lower Wilbarger

Tributary(ies): Wilbarger Creek

HUC#: 12090301 | Stream miles (est.): TBD

Drainage area: square miles, est: 48.24 | or acreage, est.: 30,874

Social vulnerability index: 0.61

Other: Drainage System Improvements

Flood Risk Description

Additions to the watershed would require improvements to the existing undersized drainage system. The area has experienced excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion.

Population at risk: 61 | Structures at risk: 103 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 5,786 | Roadway(s) impacted (miles): 3.68

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): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

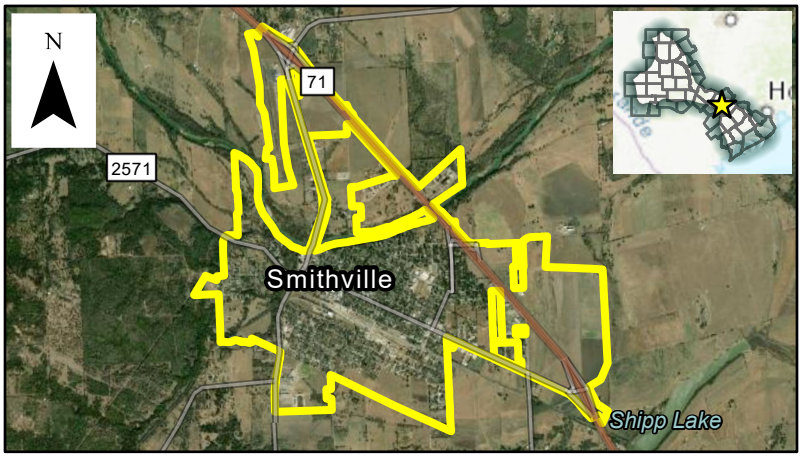
Title: Citywide drainage system improvements | ID#: 101000104
Sponsor (name of entity): Smithville (Municipality) | Commitment: Yes
Technical committee recommend: TBD | RFPG recommend: TBD

Study Type

Watershed Planning

Problem Area

City: Smithville | County: Bastrop
Watershed Name: Willow Creek - Colorado River
Tributary(ies): Gazley Creek, Willow Creek
HUC#: 12090301 | Stream miles (est.): TBD
Drainage area: square miles, est: 4.02 | or acreage, est.: 2,570
Social vulnerability index: 0.61
Other: Drainage System Improvements



Flood Risk Description

The existing storm drain system is undersized and the area has experienced excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion.

Population at risk: 603 | Structures at risk: 84 | Critical facilities at risk: 0
Farm/Ranch land impacted (acres): 335 | Roadway(s) impacted (miles): 3.79

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: $250,000 | Potential funding source(s): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Alum Creek - Tributary 8, Bowie Drive | ID#: 101000125
Sponsor (name of entity): Bastrop (County) | Commitment: Yes
Technical committee recommend: TBD | RFPG recommend: TBD

Study Type

Other

Problem Area

City: Camp Swift | County: Bastrop
Watershed Name: Alum Creek
Tributary(ies): Price Creek
HUC#: 12090301 | Stream miles (est.): TBD
Drainage area: square miles, est: 0.67 | or acreage, est.: 428
Social vulnerability index: 0.61
Other: Roadway/Crossing Improvements

Flood Risk Description

The existing crossing is undersized and overtops. The existing crossing consists of multiple CMPs. The proposed improvements include replacing the CMPs with a larger multi-box culvert. The existing road is a 2-lane road with an average daily traffic count of 115.

Population at risk: 0 | Structures at risk: 0 | Critical facilities at risk: 0
Farm/Ranch land impacted (acres): 6 | Roadway(s) impacted (miles): 0.02

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): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

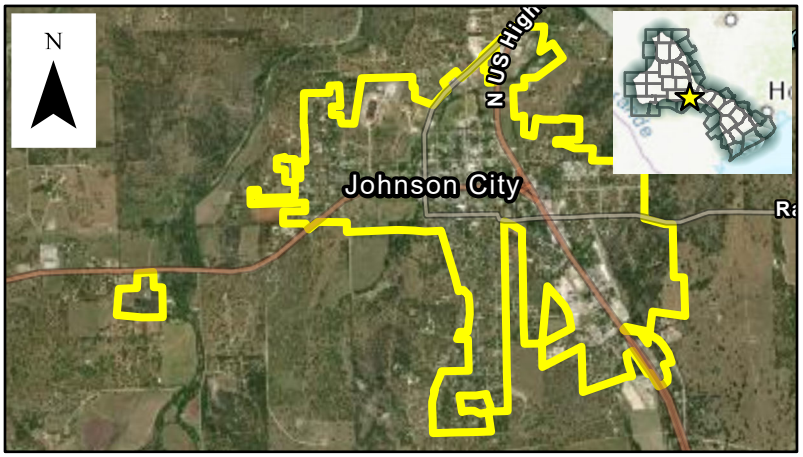
Title: Develop floodplain maps | ID#: 101000108
Sponsor (name of entity): Johnson City (Municipality) | Commitment: Yes
Technical committee recommend: TBD | RFPG recommend: TBD

Study Type

Watershed Planning

Problem Area

City: Johnson City | County: Blanco
Watershed Name: Towhead Creek - Pedernales River, Cottonwood Creek -
Tributary(ies): Town Creek
HUC#: 12090206 | Stream miles (est.): TBD
Drainage area: square miles, est: 1.80 | or acreage, est.: 1,151
Social vulnerability index: 0.07
Other: Watershed Study



Flood Risk Description

The existing floodplain maps are outdated and do not represent the structures at risk, the areas that have experienced flood damages and channel erosion.

Population at risk: 408 | Structures at risk: 47 | Critical facilities at risk: 0
Farm/Ranch land impacted (acres): 67 | Roadway(s) impacted (miles): 2.06

Scope of Study

The flood study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall) to identify priority flood risk areas.

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: $250,000 | Potential funding source(s): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

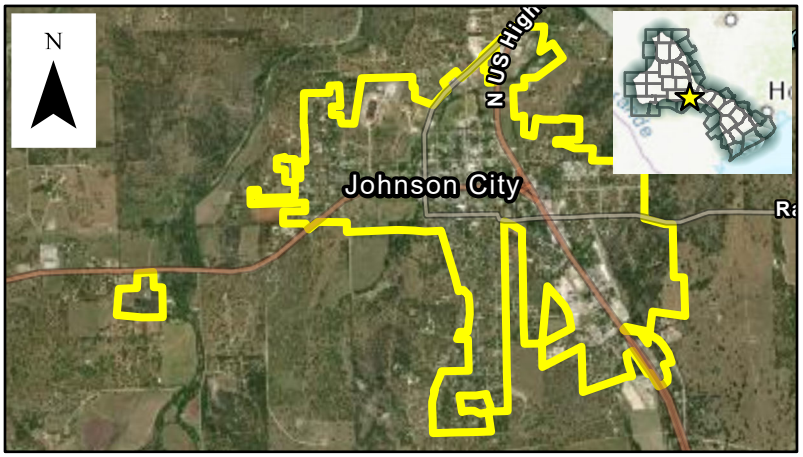
Title: Johnson City Floodplain Mapping | ID#: 101000182
Sponsor (name of entity): Johnson City (Municipality) | Commitment: Yes
Technical committee recommend: TBD | RFPG recommend: TBD

Study Type

Watershed Planning

Problem Area

City: Johnson City | County: Blanco
Watershed Name: Towhead Creek - Pedernales River, Cottonwood Creek -
Tributary(ies): Town Creek, Deer Creek
HUC#: 12090206 | Stream miles (est.): TBD
Drainage area: square miles, est: 1.80 | or acreage, est.: 1,151
Social vulnerability index: 0.07
Other: Watershed Study



Flood Risk Description

The existing floodplain maps are outdated and do not represent the structures at risk, the areas that have experienced flood damages and channel erosion.

Population at risk: 408 | Structures at risk: 47 | Critical facilities at risk: 0
Farm/Ranch land impacted (acres): 67 | Roadway(s) impacted (miles): 2.06

Scope of Study

The flood study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall) to identify priority flood risk areas.

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: $250,000 | Potential funding source(s): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

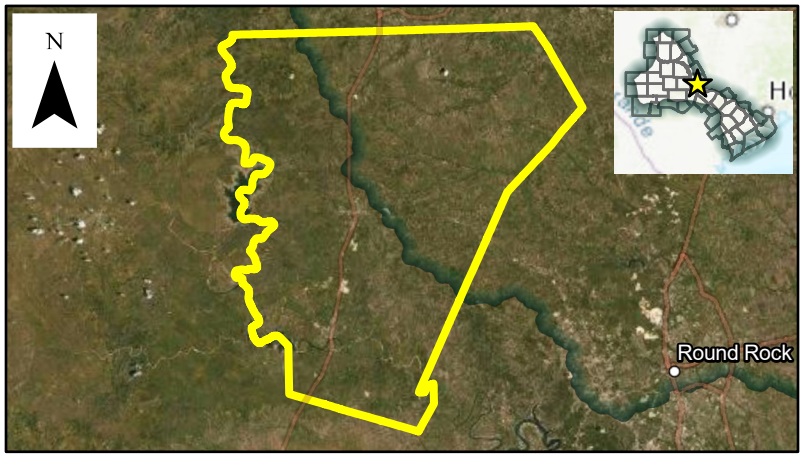
Title: LCRA Floodgate Operation Notification System | ID#: 101000113
Sponsor (name of entity): Burnet (County) | Commitment: Yes
Technical committee recommend: TBD | RFPG recommend: TBD

Study Type

Preparedness

Problem Area

City: Burnet | County: Blanco,Travis,Williamson,Lla
Watershed Name: Multiple Watersheds
Tributary(ies): Unnamed Tributary
HUC#: 12090201,12090205 | Stream miles (est.): TBD
Drainage area: square miles, est: 1,016.05 | or acreage, est.: 650,272
Social vulnerability index: -
Other: Install Flood Early Warning System



Flood Risk Description

The county has identified an unknown number of roadway/crossing that may be overtopped during LCRA Floodgate operations and where roadway/crossing improvements are not feasible.

Population at risk: 6,636 | Structures at risk: 2,835 | Critical facilities at risk: 0
Farm/Ranch land impacted (acres): 16,197 | Roadway(s) impacted (miles): 43.31

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., LCRA Hydromet, 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: $50,000 | Potential funding source(s): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: CR 332 Drainage Improvements | ID#: 101000109

Sponsor (name of entity): Sweeny (Municipality) | Commitment: Yes

Technical committee recommend: TBD | RFPG recommend: TBD

Study Type

Other

Problem Area

City: Sweeny | County: Brazoria

Watershed Name: East Matagorda Bay, Bell Creek - San Bernard River

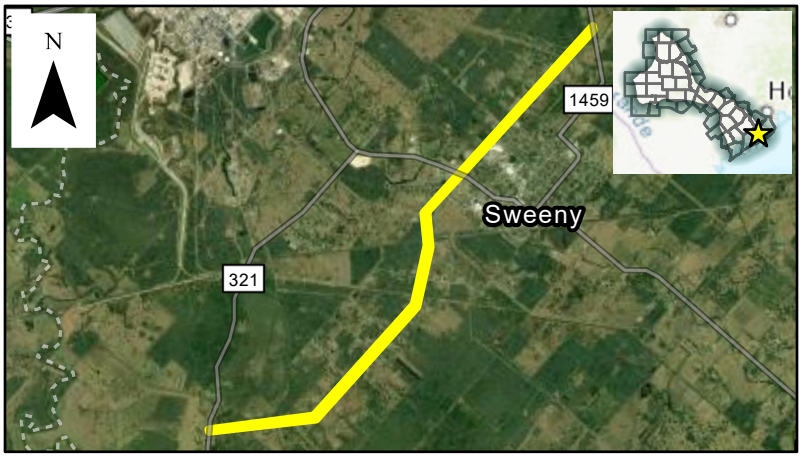
Tributary(ies): Cedar Lake Creek

HUC#: 12090402,12090401 | Stream miles (est.): TBD

Drainage area: square miles, est: 0.21 | or acreage, est.: 137

Social vulnerability index: 0.21

Other: Drainage System Improvements



Flood Risk Description

CR 332 has an undersized drainage system and the area has experienced excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion.

Population at risk: 16 | Structures at risk: 9 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 15 | Roadway(s) impacted (miles): 2.89

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: $50,000 | Potential funding source(s): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

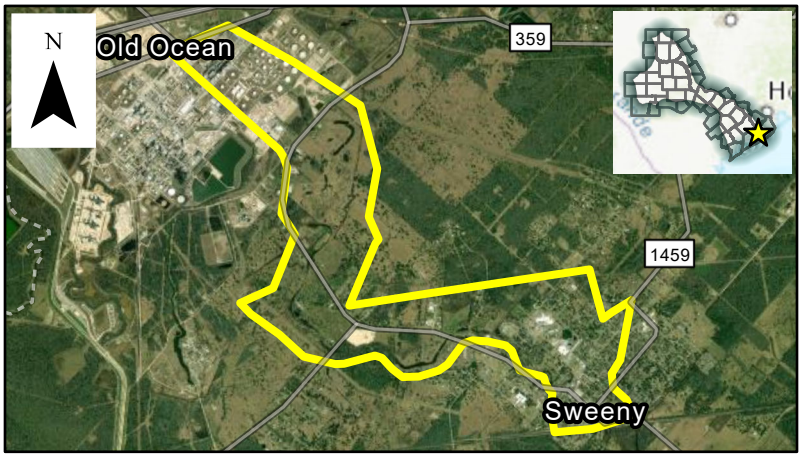
Title: Various culverts along Stevenson Slough | ID#: 101000110
Sponsor (name of entity): Sweeny (Municipality) | Commitment: Yes
Technical committee recommend: TBD | RFPG recommend: TBD

Study Type

Other

Problem Area

City: Sweeny | County: Brazoria
Watershed Name: East Matagorda Bay, Bell Creek - San Bernard River
Tributary(ies): Unnamed Tributary
HUC#: 12090402,12090401 | Stream miles (est.): TBD
Drainage area: square miles, est: 3.08 | or acreage, est.: 1,973
Social vulnerability index: 0.61
Other: Roadway/Crossing Improvements



Flood Risk Description

The existing culverts are undersized. The proposed improvements include enlarging the existing culverts.

Population at risk: 364 | Structures at risk: 205 | Critical facilities at risk: 0
Farm/Ranch land impacted (acres): 335 | Roadway(s) impacted (miles): 3.80

Scope of Study

Conduct a study to evaluate upsizing the existing culverts. 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: $125,000 | Potential funding source(s): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title Highway 36 ID# 101000136

Sponsor (name of entity) Jones Creek (Municipality) Commitment Yes

Technical committee recommend TBD RFPG recommend TBD

Study Type

Other

Problem Area

City Jones Creek County Brazoria

Watershed Name Multiple Watersheds

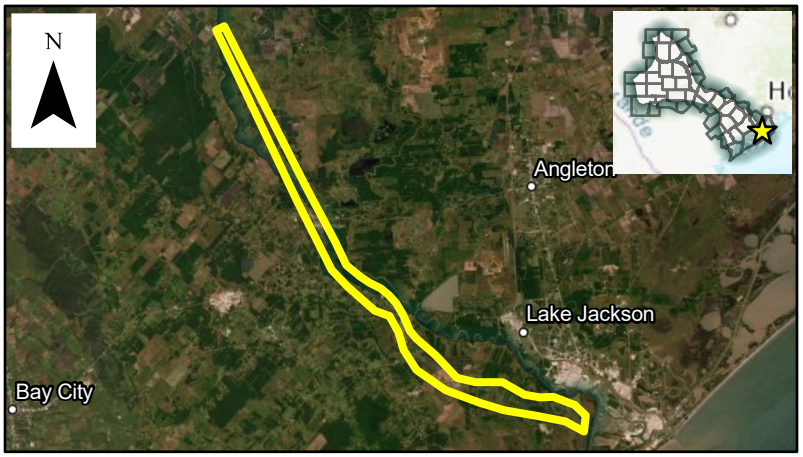
Tributary(ies) Unnamed Tributary

HUC# 12090401,12070104 Stream miles (est.) TBD

Drainage area: square miles, est 34.20 or acreage, est. 21,890

Social vulnerability index 0.21

Other Roadway/Crossing Improvements / Channel Improvements



Flood Risk Description

The existing crossing is undersized and overtops. The proposed improvements include widening ditches and upgrading culverts. The existing road is a 4-lane highway with an average daily traffic count of 18407.

Population at risk 1,948 Structures at risk 998 Critical facilities at risk 0

Farm/Ranch land impacted (acres) 2,547 Roadway(s) impacted (miles) 23.10

Scope of Study

Conduct a study to evaluate upsizing the existing culvert 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 $100,000 Potential funding source(s) -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Various Streets - install high water barricades | ID#: 101000121

Sponsor (name of entity): Fort Bend | Commitment: Yes

Technical committee recommend: TBD | RFPG recommend: TBD

Study Type

Other

Problem Area

City: Fort Bend Unincorporated | County: Brazoria,Wharton,Fort

Watershed Name: Multiple Watersheds

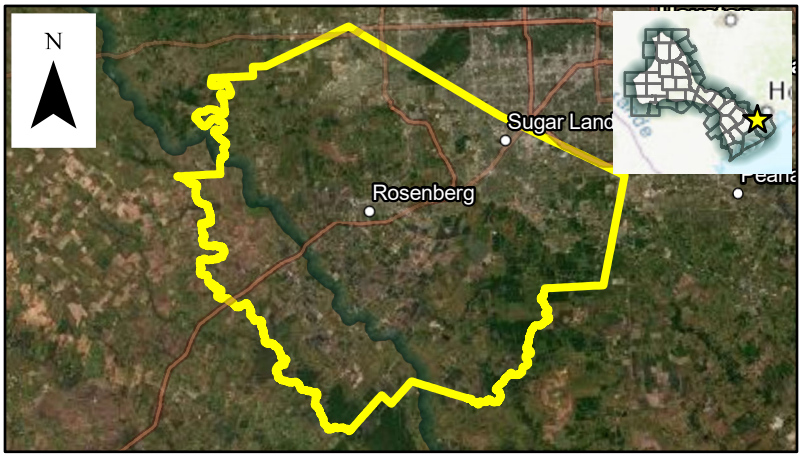
Tributary(ies): Unnamed Tributary

HUC#: 12090401,12070104 | Stream miles (est.): TBD

Drainage area: square miles, est: 882.72 | or acreage, est.: 564,943

Social vulnerability index: -

Other: Install Flood Early Warning System



Flood Risk Description

The city has identified multiple (unknown number) roadway/crossings that overtop and where structural improvements are not feasible.

Population at risk: 604 | Structures at risk: 582 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 15,359 | Roadway(s) impacted (miles): 26.03

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., LCRA Hydromet, 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: $50,000 | Potential funding source(s): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Magnolia St | ID#: 101000029
Sponsor (name of entity): Brownwood (Municipality) | Commitment: Yes
Technical committee recommend: TBD | RFPG recommend: TBD

Study Type

Other

Problem Area

City: Brownwood | County: Brown
Watershed Name: Delaware Creek - Pecan Bayou
Tributary(ies): Willis Creek
HUC#: 12090107 | Stream miles (est.): TBD
Drainage area: square miles, est: 0.07 | or acreage, est.: 48
Social vulnerability index: 0.28
Other: Roadway/Crossing Improvements & Channel Improvements

Flood Risk Description

The proposed improvements include construction of a ditch and culvert. The existing main stem road is a 2-lane road with an average daily traffic count of 5,804.

Population at risk: 273 | Structures at risk: 25 | Critical facilities at risk: 0
Farm/Ranch land impacted (acres): 7 | Roadway(s) impacted (miles): 0.66

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)

6.2 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): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

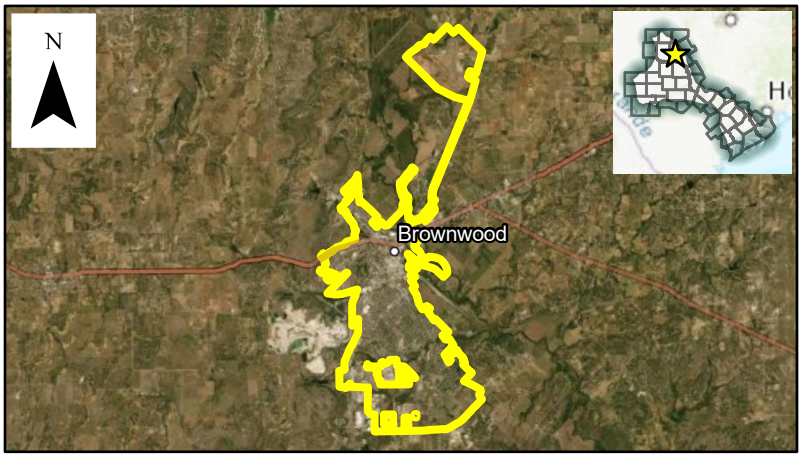
Title: Adopt Flood Insurance Rate Maps | ID#: 101000111
Sponsor (name of entity): Brownwood (Municipality) | Commitment: Yes
Technical committee recommend: TBD | RFPG recommend: TBD

Study Type

Watershed Planning

Problem Area

City: Brownwood | County: Brown
Watershed Name: Elm Creek - Pecan Bayou, Adams Branch - Pecan Bayou,
Tributary(ies): Unnamed Tributary
HUC#: 12090107 | Stream miles (est.): TBD
Drainage area: square miles, est: 14.82 | or acreage, est.: 9,482
Social vulnerability index: 0.28
Other: Watershed Study



Flood Risk Description

The existing FIS and FIRMS are outdated and do not represent the structures at risk, the areas that have experienced flood damages and channel erosion.

Population at risk: 6,731 | Structures at risk: 1,219 | Critical facilities at risk: 0
Farm/Ranch land impacted (acres): 1,404 | Roadway(s) impacted (miles): 29.44

Scope of Study

The flood study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall) to identify priority flood risk areas.

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: $25,000 | Potential funding source(s): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: CR257 at Pecan Bayou (Tenmile Crossing) | ID#: 101000137
Sponsor (name of entity): Brown (County) | Commitment: Yes
Technical committee recommend: TBD | RFPG recommend: TBD

Study Type

Other

Problem Area

City: Brownwood | County: Brown
Watershed Name: Double Creek - Pecan Bayou
Tributary(ies): Pecan Bayou
HUC#: 12090107 | Stream miles (est.): TBD
Drainage area: square miles, est: 0.00 | or acreage, est.: 0
Social vulnerability index: 0.28
Other: Roadway/Crossing Improvements / Channel Improvements

Flood Risk Description

The proposed improvements include increasing the level of service. The existing road is a 2-lane road with an average daily traffic count of 25.

Population at risk: 0 | Structures at risk: 0 | Critical facilities at risk: 0
Farm/Ranch land impacted (acres): 0 | Roadway(s) impacted (miles): 0.05

Scope of Study

Conduct a study to evaluate the 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): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title Delaware Creek Flood Study ID# 101000160

Sponsor (name of entity) Burnet (Municipality) Commitment Yes

Technical committee recommend TBD RFPG recommend TBD

Study Type

Watershed Planning

Problem Area

City Brownwood County Brown

Watershed Name Delaware Creek - Pecan Bayou

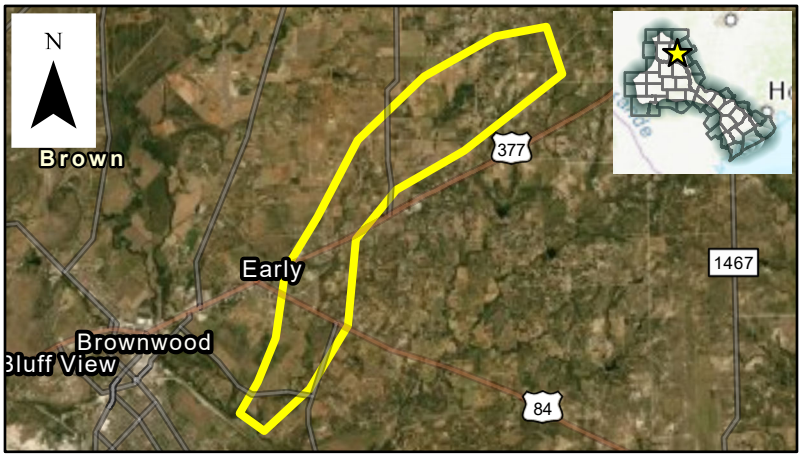
Tributary(ies) Delaware Creek

HUC# 12090107 Stream miles (est.) TBD

Drainage area: square miles, est 10.50 or acreage, est. 6,718

Social vulnerability index 0.28

Other Watershed Study



Flood Risk Description

The area has multiple local drainage problems and portions of the region are at risk of flooding. The area has experienced excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion.

Population at risk 85 Structures at risk 54 Critical facilities at risk 0

Farm/Ranch land impacted (acres) 760 Roadway(s) impacted (miles) 2.21

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 $150,000 Potential funding source(s) -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Mission Hills Street | ID#: 101000032

Sponsor (name of entity): Marble Falls (Municipality) | Commitment: Yes

Technical committee recommend: TBD | RFPG recommend: TBD

Study Type

Other

Problem Area

City: Marble Falls | County: Burnet

Watershed Name: Backbone Creek

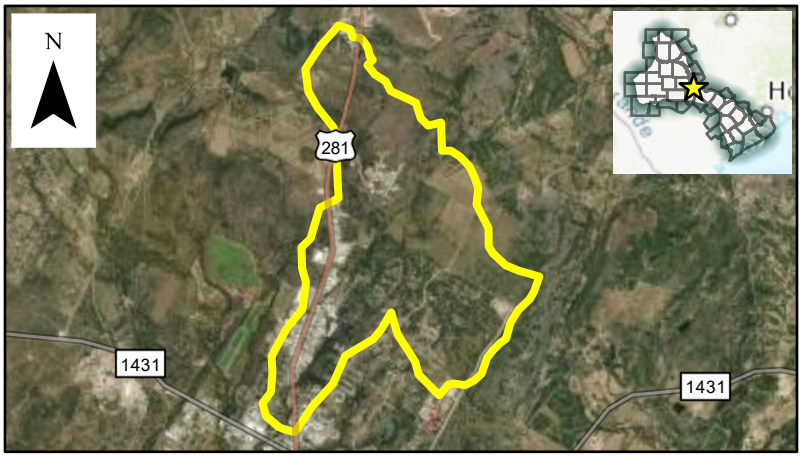
Tributary(ies): Whitman Branch

HUC#: 12090205 | Stream miles (est.): TBD

Drainage area: square miles, est: 4.21 | or acreage, est.: 2,693

Social vulnerability index: 0.19

Other: Roadway/Crossing Improvements & Channel Improvements



Flood Risk Description

The proposed improvements include building a bridge crossing. The existing main stem road is a 2-lane road with an average daily traffic count of 265.

Population at risk: 745 | Structures at risk: 60 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 147 | Roadway(s) impacted (miles): 0.81

Scope of Study

Conduct a study to evaluate upsizing the existing bridge. 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): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Shade Grove flood study | ID#: 101000114

Sponsor (name of entity): Burnet (Municipality) | Commitment: Yes

Technical committee recommend: TBD | RFPG recommend: TBD

Study Type

Other

Problem Area

City: Burnet | County: Burnet

Watershed Name: Headwaters Hamilton Creek

Tributary(ies): Unnamed Tributary

HUC#: 12090205,12070205 | Stream miles (est.): TBD

Drainage area: square miles, est: 0.22 | or acreage, est.: 138

Social vulnerability index: 0.19

Other: Watershed Study

Flood Risk Description

The area has multiple local drainage problems and portions of the region are at risk of flooding. The area has experienced excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion.

Population at risk: 0 | Structures at risk: 0 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 10 | Roadway(s) impacted (miles): 0.19

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: $100,000 | Potential funding source(s): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Whitman Branch Bypass; Oak Ridge Drive Creek | ID#: 101000116

Sponsor (name of entity): Marble Falls (Municipality) | Commitment: Yes

Technical committee recommend: TBD | RFPG recommend: TBD

Study Type

Other

Problem Area

City: Marble Falls | County: Burnet

Watershed Name: Backbone Creek

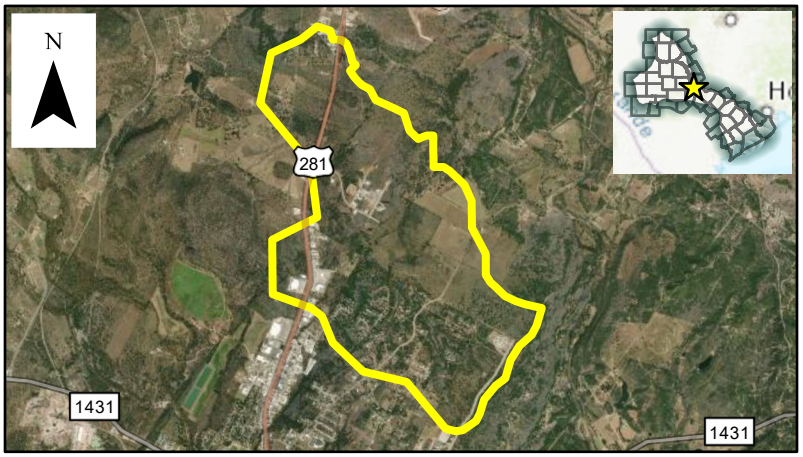
Tributary(ies): Whitman Branch

HUC#: 12090205 | Stream miles (est.): TBD

Drainage area: square miles, est: 3.60 | or acreage, est.: 2,305

Social vulnerability index: 0.19

Other: Roadway/Crossing Improvements / Channel Improvements



Flood Risk Description

The existing crossing is undersized and overtops. The proposed improvements include installing a bypass channel. The existing road is a 2-lane road with an average daily traffic count of 265.

Population at risk: 109 | Structures at risk: 5 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 126 | Roadway(s) impacted (miles): 0.29

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)

6.1 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): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

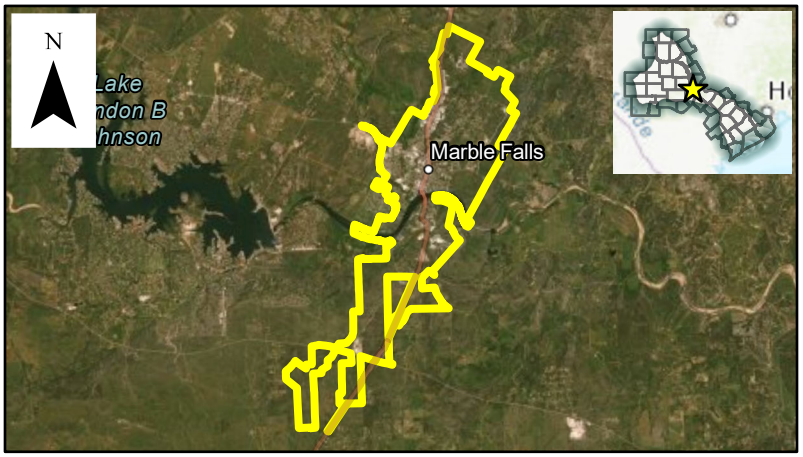
Title: Various Streets | ID#: 101000117
Sponsor (name of entity): Marble Falls (Municipality) | Commitment: Yes
Technical committee recommend: TBD | RFPG recommend: TBD

Study Type

Preparedness

Problem Area

City: Marble Falls | County: Burnet
Watershed Name: Backbone Creek, Hamilton Creek - Lake Travis, Lake
Tributary(ies): Unnamed Tributary
HUC#: 12090205 | Stream miles (est.): TBD
Drainage area: square miles, est: 15.77 | or acreage, est.: 10,095
Social vulnerability index: 0.19
Other: Install Flood Early Warning System



Flood Risk Description

The city has identified multiple (unknown number) roadway/crossings that overtop and where structural improvements are not feasible.

Population at risk: 2,265 | Structures at risk: 410 | Critical facilities at risk: 0
Farm/Ranch land impacted (acres): 596 | Roadway(s) impacted (miles): 10.03

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., LCRA Hydromet, 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: $50,000 | Potential funding source(s): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Sewer Plant Flood Study | ID#: 101000159
Sponsor (name of entity): Burnet (Municipality) | Commitment: Yes
Technical committee recommend: TBD | RFPG recommend: TBD

Study Type

Watershed Planning

Problem Area

City: Burnet | County: Burnet
Watershed Name: Headwaters Hamilton Creek
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
Other: Watershed Study

Flood Risk Description

The area has local drainage problems and is at risk of flooding. The area has experienced excessive flow depth and velocity.

Population at risk: 3 | Structures at risk: 3 | Critical facilities at risk: 0
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). 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): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title VFW Flood Study | ID# 101000161

Sponsor (name of entity) Burnet (Municipality) | Commitment Yes

Technical committee recommend TBD | RFPG recommend TBD

Study Type

Watershed Planning

Problem Area

City Burnet | County Burnet

Watershed Name Headwaters Hamilton Creek

Tributary(ies) Unnamed Tributary

HUC# 12090205 | Stream miles (est.) TBD

Drainage area: square miles, est 0.00 | or acreage, est. 1

Social vulnerability index 0.19

Other Watershed Study

Flood Risk Description

The area has local drainage problems and is at risk of flooding. The area has experienced excessive flow depth and velocity.

Population at risk -TBD | Structures at risk -TBD | Critical facilities at risk -TBD

Farm/Ranch land impacted (acres) -TBD | Roadway(s) impacted (miles) -TBD

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 $100,000 | Potential funding source(s) -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

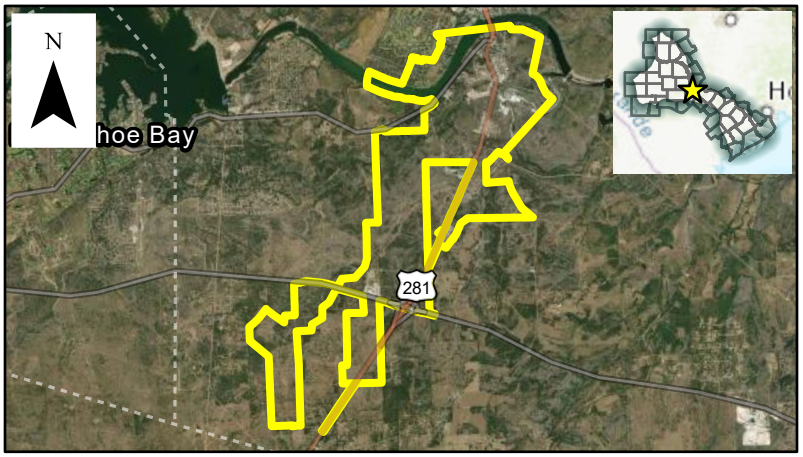
Title: Flood Study - Marble Falls | ID#: 101000171
Sponsor (name of entity): Marble Falls (Municipality) | Commitment: Yes
Technical committee recommend: TBD | RFPG recommend: TBD

Study Type

Watershed Planning

Problem Area

City: Marble Falls | County: Burnet
Watershed Name: Lake Marble Falls, Flatrock Creek - Lake Travis
Tributary(ies): Little Flatrock Creek, Flatrock Creek
HUC#: 12090205 | Stream miles (est.): TBD
Drainage area: square miles, est: 7.13 | or acreage, est.: 4,565
Social vulnerability index: 0.19
Other: Watershed Study



Flood Risk Description

The existing floodplain maps are outdated and do not represent the structures at risk, the areas that have experienced flood damages and channel erosion.

Population at risk: 322 | Structures at risk: 158 | Critical facilities at risk: 0
Farm/Ranch land impacted (acres): 329 | Roadway(s) impacted (miles): 2.29

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)

3.1 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: $250,000 | Potential funding source(s): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

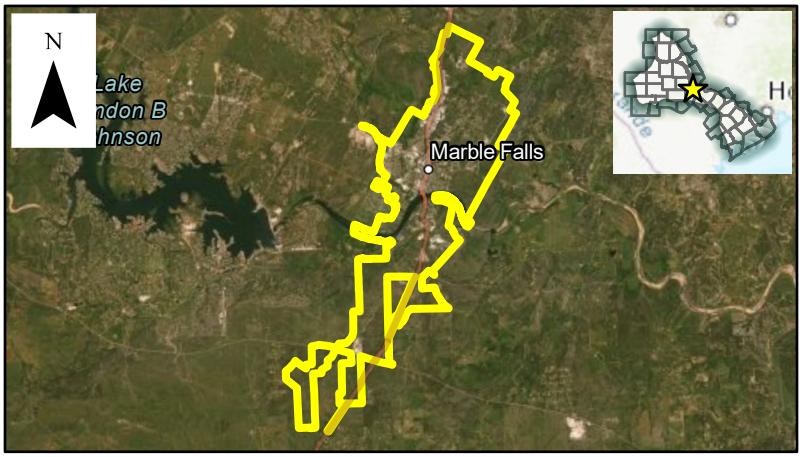
Title: 8 low water crossings within City | ID#: 101000041
Sponsor (name of entity): Marble Falls (Municipality) | Commitment: Yes
Technical committee recommend: TBD | RFPG recommend: TBD

Study Type

Project Planning

Problem Area

City: Marble Falls | County: Burnet
Watershed Name: Backbone Creek, Hamilton Creek - Lake Travis, Lake
Tributary(ies): Unnamed Tributary
HUC#: 12090205 | Stream miles (est.): TBD
Drainage area: square miles, est: 15.77 | or acreage, est.: 10,095
Social vulnerability index: 0.19
Other: Install Flood Early Warning System



Flood Risk Description

The city has identified eight (8) roadway/crossings that overtop and where structural improvements are not feasible.

Population at risk: 2,265 | Structures at risk: 410 | Critical facilities at risk: 0
Farm/Ranch land impacted (acres): 596 | Roadway(s) impacted (miles): 10.03

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., LCRA Hydromet, 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: $50,000 | Potential funding source(s): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

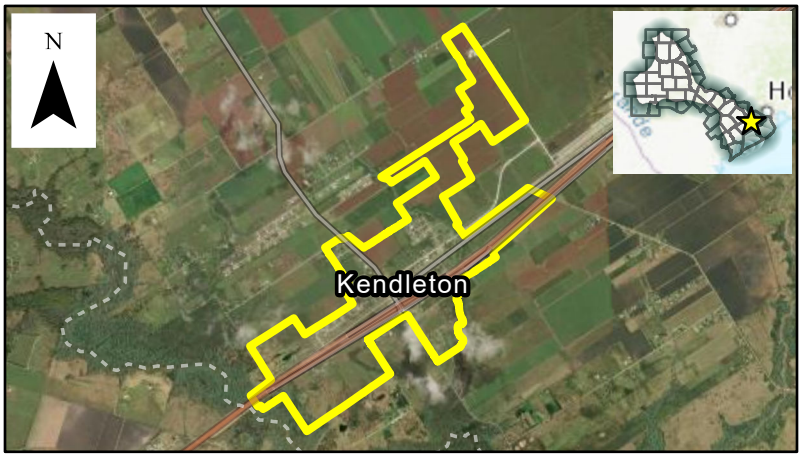
Title: Lum Rd, Hilltop Rd, FM 2919 N
ID#: 101000034
Sponsor (name of entity): Kendleton (Municipality)
Commitment: Yes
Technical committee recommend: TBD
RFPG recommend: TBD

Study Type

Project Planning

Problem Area

City: Kendleton
County: Fort Bend
Watershed Name: Boone Branch - San Bernard River
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
Other: Roadway/Crossing Improvements



Flood Risk Description

The existing crossing is undersized and overtops. There are existing low water crossings at this location. A feasibility study is proposed for the low water crossings. The existing road is a 2-lane road with an average daily traffic count of 2687.

Population at risk: 12
Structures at risk: 11
Critical facilities at risk: 0
Farm/Ranch land impacted (acres): 69
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): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

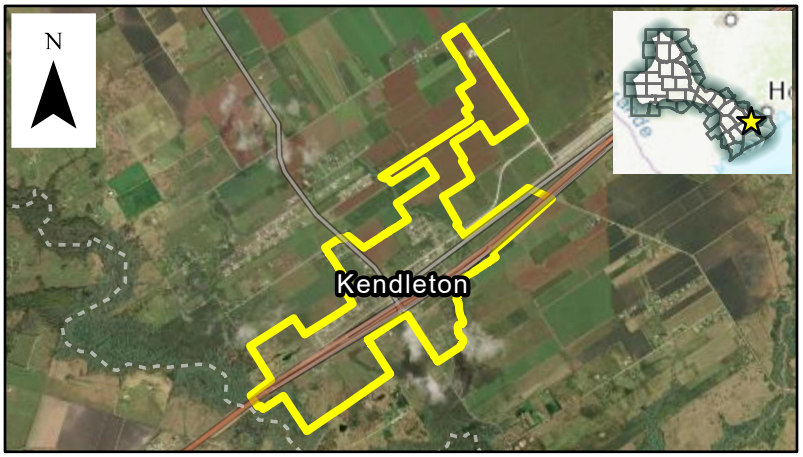
Title: Drainage improvements to Crawford outlet right-of-way | ID#: 101000035
Sponsor (name of entity): Kendleton (Municipality) | Commitment: Yes
Technical committee recommend: TBD | RFPG recommend: TBD

Study Type

Other

Problem Area

City: Kendleton | County: Fort Bend
Watershed Name: Boone Branch - San Bernard River
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
Other: Drainage System Improvements



Flood Risk Description

Existing drainage system is undersized and the area has experienced excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion.

Population at risk: 12 | Structures at risk: 11 | Critical facilities at risk: 0
Farm/Ranch land impacted (acres): 69 | Roadway(s) impacted (miles): 0.85

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: $50,000 | Potential funding source(s): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title McFarland Rd, Lum Rd, and Braxton Rd ID# 101000036

Sponsor (name of entity) Kendleton (Municipality) Commitment Yes

Technical committee recommend TBD RFPG recommend TBD

Study Type

Other

Problem Area

City Kendleton County Fort Bend

Watershed Name Boone Branch - San Bernard River

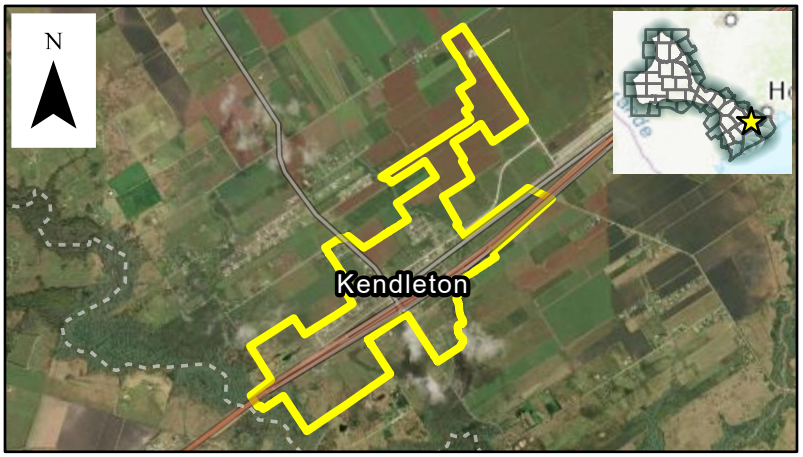
Tributary(ies) Brooks Branch

HUC# 12090401 Stream miles (est.) TBD

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

Social vulnerability index 0.1

Other Roadway/Crossing Improvements



Flood Risk Description

The existing crossing is undersized and overtops. The proposed improvements include installing culverts. The existing road is a 2-lane road with an average daily traffic count of 110.

Population at risk 12 Structures at risk 11 Critical facilities at risk 0

Farm/Ranch land impacted (acres) 69 Roadway(s) impacted (miles) 0.85

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 $100,000 Potential funding source(s) -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title Gene and Church Streets ID# 101000037

Sponsor (name of entity) Needville (Municipality) Commitment Yes

Technical committee recommend TBD RFPG recommend TBD

Study Type

Other

Problem Area

City Needville County Fort Bend

Watershed Name Cedar Creek

Tributary(ies) Unnamed Tributary

HUC# 12090401,12070104 Stream miles (est.) TBD

Drainage area: square miles, est 0.16 or acreage, est. 104

Social vulnerability index 0.1

Other Roadway/Crossing Improvements

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 -TBD Structures at risk -TBD Critical facilities at risk -TBD

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

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 $50,000 Potential funding source(s) -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title 800 Block W San Antonio ID# 101000038

Sponsor (name of entity) Fredericksburg (Municipality) Commitment Yes

Technical committee recommend TBD RFPG recommend TBD

Study Type

Other

Problem Area

City Fredericksburg County Gillespie

Watershed Name Barons Creek

Tributary(ies) Unnamed Tributary

HUC# 12090206 Stream miles (est.) TBD

Drainage area: square miles, est 0.00 or acreage, est. 1

Social vulnerability index 0.1

Other Roadway/Crossing Improvements & Channel Improvements

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 -TBD Structures at risk -TBD Critical facilities at risk -TBD

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

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) -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: South End of Acorn St | ID#: 101000039
Sponsor (name of entity): Fredericksburg (Municipality) | Commitment: Yes
Technical committee recommend: TBD | RFPG recommend: TBD

Study Type

Other

Problem Area

City: Fredericksburg | County: Gillespie
Watershed Name: Barons Creek
Tributary(ies): Barons Creek
HUC#: 12090206 | Stream miles (est.): 1.10
Drainage area: square miles, est: 0.00 | or acreage, est.: 2
Social vulnerability index: 0.1
Other: Channel Improvements

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.

Population at risk: 0 | Structures at risk: 0 | Critical facilities at risk: 0
Farm/Ranch land impacted (acres): 0 | 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: $50,000 | Potential funding source(s): -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title S Bowie Low Water Crossing ID# 101000040

Sponsor (name of entity) Fredericksburg (Municipality) Commitment Yes

Technical committee recommend TBD RFPG recommend TBD

Study Type

Project Planning

Problem Area

City Fredericksburg County Gillespie

Watershed Name Barons Creek

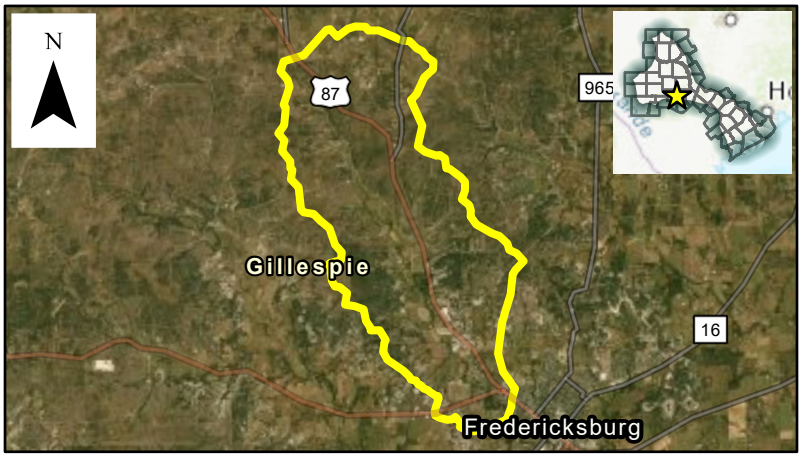
Tributary(ies) Unnamed Tributary

HUC# 12090201,12090206 Stream miles (est.) TBD

Drainage area: square miles, est 17.67 or acreage, est. 11,310

Social vulnerability index 0.1

Other Install Flood Early Warning System



Flood Risk Description

S. Bowie Street overtops by approximately 9.5 feet during the 100-year event. The city has identified this crossing as a candidate for a flood early warning systems because improving the roadway/crossing in not feasible.

Population at risk 54 Structures at risk 30 Critical facilities at risk 0

Farm/Ranch land impacted (acres) 575 Roadway(s) impacted (miles) 0.42

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 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., LCRA Hydromet, 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 $15,000 Potential funding source(s) -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title Bowie & Peach St ID# 101000042

Sponsor (name of entity) Fredericksburg (Municipality) Commitment Yes

Technical committee recommend TBD RFPG recommend TBD

Study Type

Other

Problem Area

City Fredericksburg County Gillespie

Watershed Name Barons Creek

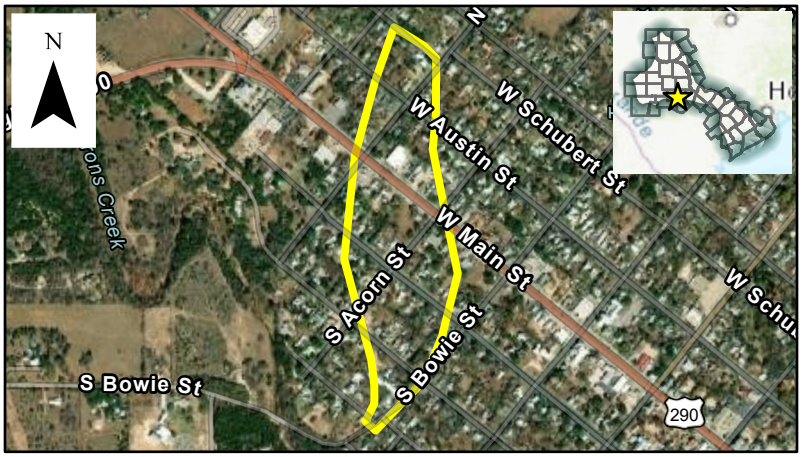
Tributary(ies) Barons Creek

HUC# 12090206 Stream miles (est.) TBD

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

Social vulnerability index 0.1

Other Drainage System Improvements



Flood Risk Description

The storm sewer system and curb inlets need to be upgraded to include two 36" RCPs. The area has experienced excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion.

Population at risk -TBD Structures at risk -TBD Critical facilities at risk -TBD

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

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) -

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title 112 W Park ID# 101000044

Sponsor (name of entity) Fredericksburg (Municipality) Commitment Yes

Technical committee recommend TBD RFPG recommend TBD

Study Type

Other

Problem Area

City Fredericksburg County Gillespie

Watershed Name Barons Creek

Tributary(ies) Unnamed Tributary

HUC# 12090206 Stream miles (est.) 0.50

Drainage area: square miles, est 0.00 or acreage, est. 0

Social vulnerability index 0.1

Other Channel Improvements

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.

Population at risk -TBD Structures at risk -TBD Critical facilities at risk -TBD

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

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 $50,000 Potential funding source(s) -