FME Batch 2A **9-Jun-22**

	Action Number	Action Name	County	Page Number	TC Rec	Tech Committee Rec	RFPG Rec	RFPG Rec
				0	(Y/N)	Date	(Y/N)	Date
Batch 2A-1	101000001	Drainage System Improvements	Bastrop	1	Yes	5/25/2022		
	101000004	Gotier Trace Low Water Crossings	Bastrop	2	Yes	5/25/2022		
	101000005	Lakeview Drive & Tuck Street	Bastrop	3	Yes	5/25/2022		
	101000008	Clear Springs Lake Dam	Bastrop	4	Yes	5/25/2022		
	101000023	Gills Branch	Bastrop	5	Yes	5/25/2022		
	101000027	FM 812 at Little Alum Creek	Bastrop	6	Yes	5/25/2022		
	101000028	FM 812 at Alum Creek South	Bastrop	7	Yes	5/25/2022		
	101000102	Piney Creek Benching	Bastrop	8	Yes	5/25/2022		
	101000103	Design System Improvements - JC Madison Addition	Bastrop	9	Yes	5/25/2022		
	101000104	Citywide Drainage System Improvements	Bastrop	10	Yes	5/25/2022		
	101000125	Alum Creek - Tributary 8, Bowie Drive	Bastrop	11	Yes	5/25/2022		
	101000108	Develop New/Updated Floodplain Maps	Blanco	12	Yes	5/25/2022		
Batch 2A-2	101000113	Burnet County Flood Early Warning System	Burnet	13	Yes	5/25/2022		
	101000109	CR 332 Drainage Improvements	Brazoria	14	Yes	5/25/2022		
	101000110	Various Culverts Along Stevenson Slough	Brazoria	15	Yes	5/25/2022		
	101000136	Highway 36	Brazoria	16	Yes	5/25/2022		
	101000121	Various Streets - Install Flood Early Warning Systems	Fort Bend	17	Yes	5/25/2022		
	101000029	Magnolia St	Brown	18	Yes	5/25/2022		
	101000111	Adopt Flood Insurance Rate Maps	Brown	19	Yes	5/25/2022		
	101000137	CR257 at Pecan Bayou (Tenmile Crossing)	Brown	20	Yes	5/25/2022		
	101000160	Delaware Creek Flood Study	Brown	21	Yes	5/25/2022		
	101000032	Mission Hills Street	Burnet	22	Yes	5/25/2022		
	101000114	Shade Grove Flood Study	Burnet	23	Yes	5/25/2022		
	101000116	Whitman Branch Bypass; Oak Ridge Drive Creek	Burnet	24	Yes	5/25/2022		
Batch 2A-3	101000159	Watewater Treatment Plant Flood Study	Burnet	25	Yes	5/25/2022		
	101000161	VFW Flood Study	Burnet	26	Yes	5/25/2022		
	101000171	Citywide Floodplain Remapping	Burnet	27	Yes	5/25/2022		
	101000034	Lum Rd, Hilltop Rd, FM 2919 N	Fort Bend	28	Yes	5/25/2022		
	101000035	Drainage Improvements to Crawford Outlet Right-of-Way	Fort Bend	29	Yes	5/25/2022		
	101000037	Gene and Church Streets	Fort Bend	30	Yes	5/25/2022		
	101000038	800 Block W San Antonio	Gillespie	31	Yes	5/25/2022		
	101000039	South End of Acorn Street	Gillespie	32	Yes	5/25/2022		
	101000042	Bowie & Peach Street	Gillespie	33	Yes	5/25/2022		
	101000044	112 W Park	Gillespie	34	Yes	5/25/2022		

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Drainage System Improvements | ID#: 101000001

Sponsor (name of entity): Smithville (Municipality) | Commitment: [X] Yes [ ] No

Technical committee recommend: [X] Yes [ ] No | RFPG recommend: [ ] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [X] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Smithville | County: Bastrop

Watershed name(s): Willow Creek - Colorado River

Tributary(ies): Unnamed Tributary

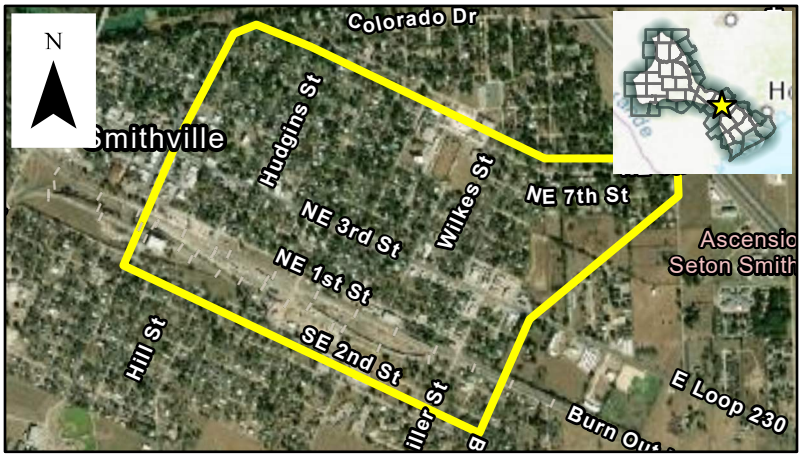
HUC#: 12090301 | Stream miles (est.): TBD

Drainage area: square miles, est: 0.67 | or acreage, est.: 429

Social vulnerability index: 0.61

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

Other: Drainage system improvements - NE 7th, NE 8th, NE 5th, NE 2nd, SE 2nd, SE 4th



Flood Risk Description

The sponsor has indicated the existing stormwater infrastructure in the study area is undersized (less than 25-year capacity) and the area is at risk of street flooding, property flooding, and potential structural flooding. The existing flood risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk: 3,300 | Structures at risk: 1,200 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 0 | Roadway(s) impacted (miles): 0.00

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

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

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Gotier Trace Low Water Crossings | ID#: 101000004

Sponsor (name of entity): Bastrop (County) | Commitment: [X] Yes [ ] No

Technical committee recommend: [X] Yes [ ] No | RFPG recommend: [ ] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [ ] Feasibility study [X] Preliminary project engineering

[ ] Other

Problem Area

City: N/A | County: Bastrop

Watershed name(s): Alum Creek, Gravelly Creek

Tributary(ies): Unnamed Tributary

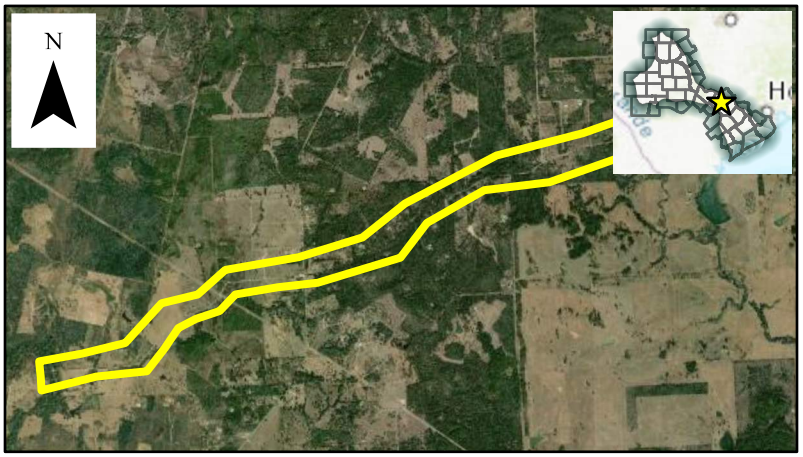
HUC#: 12090301 | Stream miles (est.): TBD

Drainage area: square miles, est: 1.21 | or acreage, est.: 778

Social vulnerability index: 0.61

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

Other: Roadway/Crossing Improvements



Flood Risk Description

There are multiple low water crossings that are undersized. The proposed improvements include installing multiple box culverts at each crossing. The existing road is a 2-lane road with an average daily traffic count of 115. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will include detailed assessments of existing flood risk and potential flood risk reduction to be used in evaluating projects for future funding cycles.

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

Farm/Ranch land impacted (acres): 0 | 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): TBD

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): Bastrop (County) | Commitment: [X] Yes [ ] No

Technical committee recommend: [X] Yes [ ] No | RFPG recommend: [ ] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [X] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: N/A | County: Bastrop

Watershed name(s): Greens Creek - Cedar Creek

Tributary(ies): Greens Creek

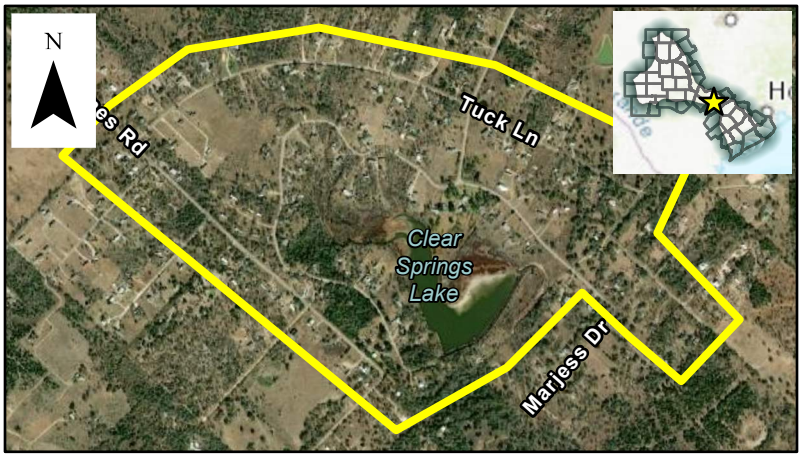
HUC#: 12090301 | Stream miles (est.): TBD

Drainage area: square miles, est: 0.56 | or acreage, est.: 360

Social vulnerability index: 0.61

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

Other: Drainage system improvements



Flood Risk Description

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

Population at risk: 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)

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: Clear Springs Lake Dam | ID#: 101000008

Sponsor (name of entity): Bastrop (County) | Commitment: [X] Yes [ ] No

Technical committee recommend: [X] Yes [ ] No | RFPG recommend: [ ] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [X] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: N/A | County: Bastrop

Watershed name(s): 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

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

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 does not appear to be regulated by the TCEQ due to size and volume and the existing flood risk is not well defined. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk: 12 | Structures at risk: 2 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 0 | Roadway(s) impacted (miles): 0.17

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

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

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP
REGION 10

Title Gills Branch ID# 101000023

Sponsor (name of entity) Bastrop (Municipality) Commitment [X] Yes [ ] No

Technical committee recommend [X] Yes [ ] No RFPG recommend [ ] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [X] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City Bastrop County Bastrop

Watershed name(s) Copperas Creek - Colorado River

Tributary(ies) Gills Branch

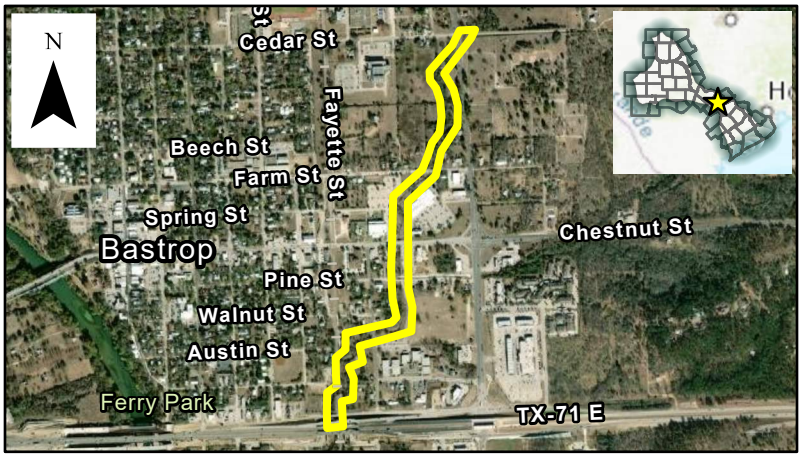
HUC# 12090301 Stream miles (est.) 0.50

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

Social vulnerability index 0.61

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

Other Drainage System Improvements



Flood Risk Description

Gills 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. The existing flood risk indicators are based on available data and will be better defined as part of the study. 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 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 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: FM 812 at Little Alum Creek | ID#: 101000027

Sponsor (name of entity): Bastrop (County) | Commitment: [X] Yes [ ] No

Technical committee recommend: [X] Yes [ ] No | RFPG recommend: [ ] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [ ] Feasibility study [X] Preliminary project engineering

[ ] Other

Problem Area

City: N/A | County: Bastrop

Watershed name(s): 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

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

Other: Roadway/Crossing Improvements & Channel Improvements

Flood Risk Description

The existing crossing is undersized and overtops. The existing crossing is a bridge. The proposed improvements include construction of a 200 foot bridge and 2,200 feet of channel modifications. The existing main stem road is a 2-lane road with an average daily traffic count of 9,088. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will include detailed assessments of existing flood risk and potential flood risk reduction to be used in evaluating projects for future funding cycles.

Population at risk: 75 | 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)

6.1 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 FM 812 at Alum Creek South ID# 101000028

Sponsor (name of entity) Bastrop (County) Commitment [X] Yes [ ] No

Technical committee recommend [X] Yes [ ] No RFPG recommend [ ] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [ ] Feasibility study [X] Preliminary project engineering

[ ] Other

Problem Area

City N/A County Bastrop

Watershed name(s) 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

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

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 construction of a 100 foot bridge and 1,700 feet of channel modifications. The existing main stem road is a 2-lane road with an average daily traffic count of 9,088. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will include detailed assessments of existing flood risk and potential flood risk reduction to be used in evaluating projects for future funding cycles.

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) TBD

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 (County) Commitment [X] Yes [ ] No

Technical committee recommend [X] Yes [ ] No RFPG recommend [ ] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [X] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City N/A County Bastrop

Watershed name(s) Spicer Creek - Piney Creek

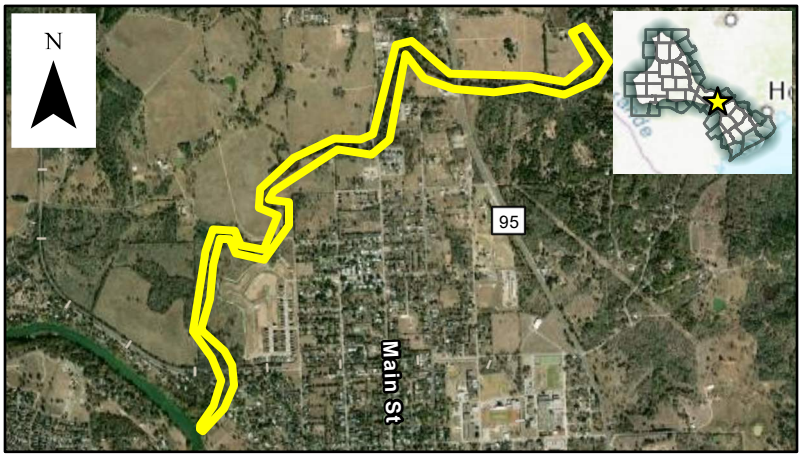
Tributary(ies) Piney Creek

HUC# 12090301 Stream miles (est.) 1.50

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

Social vulnerability index 0.61
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

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. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will include detailed assessments of existing flood risk and potential flood-risk reduction to be used in evaluating projects for future funding cycles.

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) TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Drainage System Improvements - JC Madison Addition | ID#: 101000103

Sponsor (name of entity): Bastrop (County) | Commitment: [X] Yes [ ] No

Technical committee recommend: [X] Yes [ ] No | RFPG recommend: [ ] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [X] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: N/A | County: Bastrop

Watershed name(s): Wilbarger Bend, Colorado River, Lower Wilbarger Creek, Big Sandy Creek - Colorado River

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

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

Other: Drainage System Improvements

Flood Risk Description

Additions to the watershed would require improvements to the existing undersized drainage system in the JC Madison Addition. The sponsor has indicated the existing stormwater infrastructure in the study area is undersized and the area is at risk of street flooding, property flooding, and potential structural flooding. The existing flood risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk: 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): TBD

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: [X] Yes [ ] No

Technical committee recommend: [X] Yes [ ] No | RFPG recommend: [ ] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [X] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Smithville | County: Bastrop

Watershed name(s): Willow Creek - Colorado River

Tributary(ies): Gazley Creek, Willow Creek

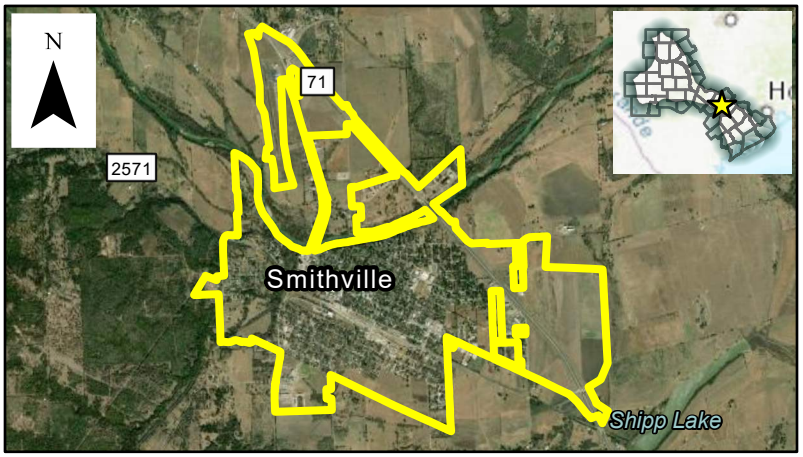
HUC#: 12090301 | Stream miles (est.): TBD

Drainage area: square miles, est: 4.02 | or acreage, est.: 2,570

Social vulnerability index: 0.61

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

Other: Drainage System Improvements



Flood Risk Description

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

Population at risk: 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)

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: $500,000 | Potential funding source(s): TBD

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: [X] Yes [ ] No

Technical committee recommend: [X] Yes [ ] No | RFPG recommend: [ ] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [ ] Feasibility study [X] Preliminary project engineering

[ ] Other

Problem Area

City: N/A | County: Bastrop

Watershed name(s): 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

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

Other: Roadway/Crossing Improvements

Flood Risk Description

The existing crossing is undersized and overtops. The existing crossing consists of multiple corrugated metal pipes. The proposed improvements include replacing the pipes with a larger multi-box culvert. The existing road is a 2-lane road with an average daily traffic count of 320. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will include detailed assessments of existing flood risk and potential flood risk reduction to be used in evaluating projects for future funding cycles.

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): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Develop New/Updated Floodplain Maps | ID#: 101000108

Sponsor (name of entity): Johnson City (Municipality) | Commitment: [X] Yes [ ] No

Technical committee recommend: [X] Yes [ ] No | RFPG recommend: [ ] Yes [ ] No

Study Type

[ ] Emergency preparedness [X] Floodplain modeling, mapping and risk assessment [ ] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Johnson City | County: Blanco

Watershed name(s): Towhead Creek - Pedernales River, Cottonwood Creek - Pedernales River

Tributary(ies): Town Creek

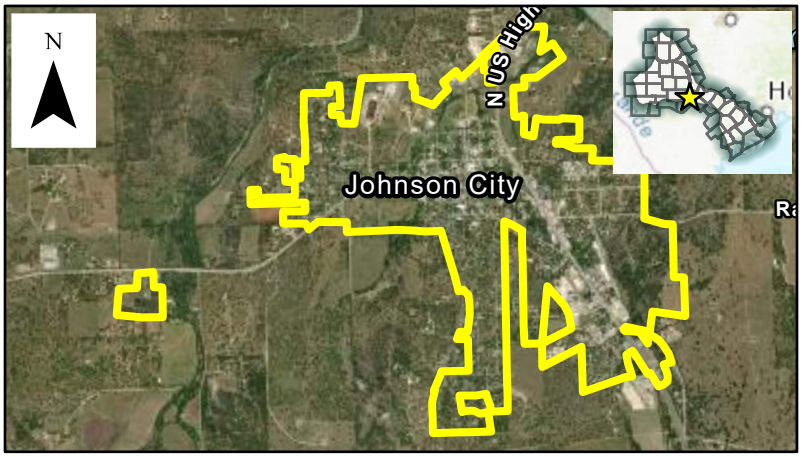
HUC#: 12090206 | Stream miles (est.): TBD

Drainage area: square miles, est: 1.80 | or acreage, est.: 1,151

Social vulnerability index: 0.07

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

Other: Watershed Study



Flood Risk Description

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

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