APPENDIX C

Fact Sheets

Flood Management

Evaluations



Flood Management Evalu	uation (FM	E) _{study}	Lower Colora	
Title Drainage System Improvements			PLANNING	
Sponsor (name of entity) Smithville (Municipality)	ID# 10100	00001		
Technical committee recommend X Yes No RFPG re	ecommend X Yes No	Commitment X Ye	es No REGION	10
Study Type				
Emergency preparedness Floodplain modeling	g, mapping and risk assessr	nent Feasib	pility study X Prelim	inary project engineering
Other				
Problem Area	N		71	
City Smithville County Bastrop		(Let		
Watershed Willow Creek - Colorado River name(s)		2571		H
Tributary(ies) Unnamed Tributary		S	mithville	1 4 12
HUC# 12090301 Stream miles (est.) TBD	1			Dar the
Drainage area: square miles, est 0.67 or acreage, est.	429			Shipp Lake
Social vulnerability index 0.61 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulner	rable.)		·金代女子	Shipp Lake
Other Drainage system improvements - NE 7th, NE 8th, N SE 2nd, SE 4th	E 5th, NE 2nd,		PER BELLE M	

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 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

pacted (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

Flood Manag	gement Evaluation	on (FME) _{stud}	Y Lower Colorado-Lavaca REGIONAL FLOOD
Title Shiloh Road Bridge West	of State HWY 304		PLANNING GROUP
Sponsor (name of entity) Basta	rop (County)	ID# 101000002	
Technical committee recomme	end X Yes No RFPG recommend	nd X Yes No Commitment	X Yes No REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, mappi	ng and risk assessment X	Feasibility study Preliminary project engineering
Other			
Problem Area		N	
City _{N/A}	County Bastrop		
Watershed Lower Colorado - name(s)	Cummins		
Tributary(ies) Unnamed Tribu	tary		
HUC# 12090301	Stream miles (est.) 1.20		CIA Charles Barres
Drainage area: square miles, e	st 1.74 or acreage, est. 1,112	4	
Social vulnerability index 0.61 (SVI score 0.0 indicates least vuln	erable; 1.0 indicates most vulnerable.)	1. 1	
Other Roadway/Crossing Imp	provements & Storm Drainage System	n All	

The existing crossing is undersized and overtops. The existing crossing is a multi-box (2) culvert. The proposed improvements include an upgrade to the subject crossing. The existing road is a 2-lane road with an average daily traffic count of 917.

Population at risk 2	Structures at ris	ik 1	Critical	facilities at risk 0
Farm/Ranch land impacted (acres)	56	Roadway(s) impacted	(miles)	0.15

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

Flood Manag	gement Evaluation	on (FME) _{study}	Lower Colorado-Lavaca REGIONAL FLOOD
Title Willie May Way in Precinc	et 4 at Trib		PLANNING GROUP
Sponsor (name of entity) Bastro	op (County)	ID# 101000003	
Technical committee recommen	nd X Yes No RFPG recommen	nd X Yes No Commitment	X Yes No REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, mappi	ng and risk assessment 🛛 🗴 F	easibility study 💦 📄 Preliminary project engineering
Other			
Problem Area		N	
City N/A	County Bastrop		
Watershed Lower Colorado - (name(s)	Cummins	969	
Tributary(ies) Unnamed Tribut	ary		MARTIN STRAND
HUC# 12090301	Stream miles (est.) 0.50	Webberville	
Drainage area: square miles, es	t 0.27 or acreage, est. 173	Webbelville	
Social vulnerability index 0.61 (SVI score 0.0 indicates least vulne	rable; 1.0 indicates most vulnerable.)		
Other Roadway/Crossing Impr	rovements		

The existing crossing is undersized and overtops. The existing crossing is a corrugated metal pipe crossing. The proposed improvements include a multi-box (2) culvert. The existing road is a 2-lane road with an average daily traffic count of 341.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

0

Roadway(s) impacted (miles) 0.00

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

Flood Manag	emer	nt Evalu	atior	n (FMI	E) stud	NY STREET	r Colorado-La	
Title Gotier Trace Low Water Cr	rossings						NNING GR	
Sponsor (name of entity) Bastro	p (County)			ID# 10100	0004			
Technical committee recommer	nd X Yes	No RFPG reco	ommend	X Yes No	Commitment	X Yes No	REGION 10	
Study Type								
Emergency preparedness	Floo	dplain modeling, r	mapping ar	nd risk assessm	nent	Feasibility study	X Preliminary proje	ect engineering
Other								
Problem Area				N				0
City N/A	Cour	ty Bastrop						
Watershed Alum Creek, Grave name(s)	lly Creek					UFF		H
Tributary(ies) Unnamed Tributa	ıry			130		Contract of	A LANDER	A
HUC# 12090301	Stream m	iles (est.) TBD		1. 1. 1.	A Star			A DOWN
Drainage area: square miles, est	1.21	or acreage, est.	778	- the		A Cart	Carl Charge	- Merter
Social vulnerability index 0.61 (SVI score 0.0 indicates least vulner	rable; 1.0 ind	licates most vulneral	ole.)			W W	SI E	
Other Roadway/Crossing Impr	ovements			A C			The states	E SE

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 3	Structures at ri	sk 2	Critical	l facilities at risk <mark>0</mark>
Farm/Ranch land impacted (acres)	163	Roadway(s) impacted	l (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

Flood Manag	gement Evaluation	on (FME) STUDY	Lower Color REGIONA	
Title Lakeview Drive & Tuck S	treet		PLANNIN	
Sponsor (name of entity) Bastro	op (County)	ID# 101000005		
Technical committee recomme	nd X Yes No RFPG recommen	nd X Yes No Commitment	X Yes No REGIO	DN 10
Study Type				
Emergency preparedness Other	Floodplain modeling, mappir	ng and risk assessment x	Feasibility study Prel	liminary project engineering
Problem Area		N	Star	
City _{N/A}	County Bastrop		Highwa	
Watershed Greens Creek - Cen name(s)	dar Creek		State Highway 7 Wyldwood	7 W
Tributary(ies) Greens Creek			ALL	Star
HUC# 12090301	Stream miles (est.) TBD			Hig
Drainage area: square miles, es	t 0.56 or acreage, est. 360	535	1887 SHARE	
Social vulnerability index 0.61 (SVI score 0.0 indicates least vulne	rable; 1.0 indicates most vulnerable.)			THE SHIT
Other Drainage system improv	vements			

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 risk115Structures at risk27Critical facilities at risk0Farm/Ranch land impacted (acres)62Roadway(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

Flo	od Manag	gemer	nt Evalua	tion (FM	E) stui)Y		r Colorad		
Title	Green Valley Drive in Prec	cinct 1							NNING		
Sponso	r (name of entity) Bastro	op (County)		ID) # 10100	00006				_	
Technic	al committee recommen	nd X Yes	No RFPG recor	nmend X Yes	s No	Commitmer	nt X Ye	s No	REGION	10	
Study Eme Oth	ergency preparedness	Floc	odplain modeling, m	apping and ris	k assessr	nent x	Feasib	lity study	Prelimir	nary proje	ect engineering
Proble	em Area					80	yersvil	la la		34	0
City N	/A	Coun	ty Bastrop			No Sa	yersvi	Ie			
Waters name	hed Lower Colorado - (e(s)	Cummins						1	2336		H
Tributa	ry(ies) Unnamed Tribut	ary				107-1				1.90	A. P. A
HUC#	12090301	Stream m	iles (est.) 1.00		- 2.5	N'SER				× 3	
Drainag	ge area: square miles, es	t 1.35	or acreage, est.	863	a x	1 ANT		1		Sec.	
	vulnerability index 0.61 re 0.0 indicates least vulne	rable; 1.0 ind	licates most vulnerable	e.)	.*(84.3	Duns		p Swift		
Other]	Roadway/Crossing Imp	rovements				1 - PART	2.2		1441		

The road is a low water crossing with no method of conveyance other than over topping at this location. The proposed improvements include a box culvertbridge. The existing road is a 2-lane road with an average daily traffic count of 841.

Population at risk 67

Structures at risk 38

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 49

Roadway

Roadway(s) impacted (miles) 0.33

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

Flood Manager	nent Evaluation	on (FMI	E) STUDY		Colorado-L	
Title Old McDade Rd in Precinct 4 n	ear Norwood Rd				NING GF	
Sponsor (name of entity) Bastrop (C	ounty)	ID# 10100	0007			
Technical committee recommend	Yes No RFPG recommen	nd X Yes No	Commitment X Ye	es No	REGION 10	
Study Type Emergency preparedness Other	Floodplain modeling, mappir	ng and risk assessn	nent x Feasib	bility study	Preliminary pr	oject engineering
Problem Area		N	Lun 18	Dun	stan	AND 0
City _{N/A}	County Bastrop		Colar !			
Watershed Lower Colorado - Cum name(s)	nins			Se d		H
Tributary(ies) Unnamed Tributary			Nor			
HUC# 1000517,1000516,10 Stu	ream miles (est.) 1.00		10- 20			
Drainage area: square miles, est 4.	or acreage, est. 2,905	5			Contract of	
Social vulnerability index 0.61 (SVI score 0.0 indicates least vulnerable)	; 1.0 indicates most vulnerable.)			Bast	гор Ва	strop
Other Roadway/Crossing Improven	nents & Storm Drainage System	n			strop	

The existing crossing is undersized and overtops. The existing crossing is a corrugated metal pipe. The proposed improvements include a box culvert replacement. The existing road is a 2-lane road with an average daily traffic count of 942.

Population at risk 443

Structures at risk 237

Critical facilities at risk 1

Farm/Ranch land impacted (acres) 297

251

Roadway(s) impacted (miles) 3.63

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

Flood Manag	gemei	nt Evaluati	on (FM	E) stud		Colorado-I	
Title Clear Springs Lake Dam						INING G	
Sponsor (name of entity) Bastr	op (County)		ID# 10100	00008			
Technical committee recomme	nd X Yes	No RFPG recomme	end X Yes No	Commitment	t X Yes No	REGION 10	
Study Type							
Emergency preparedness Other	Floo	dplain modeling, mapp	ing and risk assessr	nent x	Feasibility study	Preliminary pr	roject engineering
Problem Area			N			Shwa	ETT2 0
City _{N/A}	Cour	ty Bastrop		Marks.	Star 194	W rs	
Watershed Greens Creek - Ce name(s)	dar Creek				Wyldwood		H
Tributary(ies) Clear Springs La	ıke			and all	A MARINE		Sta
HUC# 12090301	Stream m	iles (est.) 1.00	0.0			A WAY	TALA
Drainage area: square miles, es	st 0.00	or acreage, est. 0					
Social vulnerability index 0.61 (SVI score 0.0 indicates least vulne	erable; 1.0 ind	licates most vulnerable.)			N COM		Comp.
Other Dam Improvements				XN			

Clear Springs Lake is impounded by an earthen embankment dam with an earthen spillway. The spillway is eroding threatening downstream houses and potential breach. 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 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

pacted (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.

Estimated Study Cost

Flood Manag	gement Evaluat	ion (FME) STUD	Y Lower Colorado-Lavaca REGIONAL FLOOD
Title Pecan Shores Subdivision	1		PLANNING GROUP
Sponsor (name of entity) Bastr	rop (County)	ID# 101000009	
Technical committee recomme	end X Yes No RFPG recomm	end X Yes No Commitment	X Yes No REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, mapp	oing and risk assessment X	Feasibility study 🛛 📄 Preliminary project engineering
Other			
Problem Area		N	
City _{N/A}	County Bastrop		
Watershed Willow Creek - Co name(s)	olorado River		71
Tributary(ies) Unnamed Tribu	tary		2571
HUC# 12090301	Stream miles (est.) TBD		
Drainage area: square miles, e	or acreage, est. 29		Smithville
Social vulnerability index 0.61 (SVI score 0.0 indicates least vuln	erable; 1.0 indicates most vulnerable.)		
Other Voluntary buyout of ho	omes in 100-year FP (48 homes)		

There are up to 48 flood prone properties on/near Pecan Shores Drive that are within the 100-year floodplain and subject to repetitive loss.

Population at risk 22

Structures at risk 12

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 18

Roadway(s) impacted (miles) 0.43

Scope of Study

The study will include hydrologic and hydraulic modeling (with Atlas 14) to identify/verify eligible property owners.

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.

Estimated Study Cost

Cost \$150,000

Flood Manag	ement Evaluati	on (FME) STUD	V Lower Colorado-Lavaca REGIONAL FLOOD
Title Hidden Shores Subdivision	1		PLANNING GROUP
Sponsor (name of entity) Bastro	op (County)	ID# 101000010	
Technical committee recommer	nd X Yes No RFPG recomme	nd X Yes No Commitment	X Yes No REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, mappi	ng and risk assessment x	Feasibility study Preliminary project engineering
Other			
Problem Area		N	
City _{N/A}	County Bastrop		um Creek Buesch
Watershed name(s) River	lorado River, Little Piney Creek - Co	olorado	
Tributary(ies) Unnamed Tributa	ary		W IT XI
HUC# 12090301	Stream miles (est.) TBD	and the state	A PRIME
Drainage area: square miles, es	t 0.14 or acreage, est. 89	A DAN	
Social vulnerability index 0.61 (SVI score 0.0 indicates least vulne	rable; 1.0 indicates most vulnerable.)	Ad He	
Other Voluntary buyout of hom	nes in floodway (22 homes)		2574

There are up to 22 flood prone properties on/near Hidden Shores Loop that are within the 100-year floodplain and subject to repetitive loss.

Population at risk 68

Structures at risk 39

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 68

Roadway(s) impacted (miles) 1.13

Scope of Study

The study will include hydrologic and hydraulic modeling (with Atlas 14) to identify/verify eligible property owners.

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.

Estimated Study Cost

Cost \$150,000

Flood Manag	gement Evaluation	on (FME) STUDY	Y Lower Colorado-Lavaca REGIONAL FLOOD
Title Waters Edge Terrace Sub	division		PLANNING GROUP
Sponsor (name of entity) Bast	rop (County)	ID# 101000011	
Technical committee recomme	end X Yes No RFPG recommen	nd X Yes No Commitment	X Yes No REGION 10
Study Type Emergency preparedness	Floodplain modeling, mappi	ng and risk assessment	Feasibility study Preliminary project engineering
Other			
Problem Area		N	
City _{N/A}	County Bastrop		
Watershed Coleman Branch name(s)	- Colorado River		
Tributary(ies) Unnamed Tribu	itary		
HUC# 12090301	Stream miles (est.) TBD	A DECK	A A A A A A A A A A A A A A A A A A A
Drainage area: square miles, e	est 0.05 or acreage, est. 34		MARINE HARD
Social vulnerability index 0.61 (SVI score 0.0 indicates least vuln	nerable; 1.0 indicates most vulnerable.)		The The Later
Other Voluntary buyout of ho	omes in 100-year FP (12 homes)	20130.20	TACARA

There are up to 12 flood prone properties on/near Waters Edge Terrace Drive that are within the 100-year floodplain and subject to repetitive loss.

Population at risk 120

Structures at risk 43

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 18

Roadway(s) impacted (miles) 0.46

Scope of Study

The study will include hydrologic and hydraulic modeling (with Atlas 14) to identify/verify eligible property owners.

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.

Estimated Study Cost

Flood Manag	emer	nt Evalu	ation	(FMI	E) stud			Colorado-I	
Title Old Sayers Rd & Little Sa	ndy Creek							NING GI	
Sponsor (name of entity) Bastro	op (County)			ID# 10100	00012				
Technical committee recomme	nd X Yes	No RFPG rec	ommend X	Yes No	Commitment	t X Yes N	Jo 📕	REGION 10	
Study Type Emergency preparedness Other	Floc	odplain modeling, ı	mapping and	l risk assessn	nent x	Feasibility st	iudy	Preliminary p	roject engineering
Problem Area				N	30.00				
City _{N/A}	Cour	nty Bastrop			100	11	95	5 Carr	
Watershed Lower Colorado - name(s)	Cummins					New.	5/		
Tributary(ies) Big Sandy Creek	C			1	AX	1.5	90	iyersville	Colores (
HUC# 12090301	Stream m	iles (est.) 1.50		S.V.	and the	826	Ja	yersville	
Drainage area: square miles, es	t 0.63	or acreage, est.	400	3	P. AS	27	STA		2336
Social vulnerability index 0.61 (SVI score 0.0 indicates least vulne	erable; 1.0 inc	licates most vulneral	ble.)	A SI			1		2330
Other Roadway/Crossing Imp	rovements &	ک Storm Drainage	System	STATE OF	EXX:	Ya			- ASA

The existing crossing is undersized and overtops. The existing crossing is a multiple box culvert. The proposed improvements include upgrades to the existing crossing. 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) 105

Roadway(s) impacted (miles) 0.19

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

Flood Manag	gement Evaluation	on (FME) STUD	REGIONAL	
Title Paffen Rd & Grassy Creek	c Draw		PLANNING	
Sponsor (name of entity) Bastr	op (County)	ID# 101000013		
Technical committee recomme	nd X Yes No RFPG recommen	nd X Yes No Commitment	t X Yes No REGION 10	
Study Type Emergency preparedness Other	Floodplain modeling, mappir	ng and risk assessment x	Feasibility study Prelimina	ary project engineering
Problem Area		N	FILLS	
City _{N/A}	County Bastrop	N		
Watershed Lower Colorado - name(s)	Cummins			H
Tributary(ies) Unnamed Tribut	ary			and the
HUC# 12090301	Stream miles (est.) 1.25			and the second
Drainage area: square miles, es	st 1.01 or acreage, est. 647	Contra Contra		A Dina
Social vulnerability index 0.61 (SVI score 0.0 indicates least vulne	erable; 1.0 indicates most vulnerable.)	CONTRACTOR	2239	SPACE A
Other Roadway/Crossing Imp	rovements & Storm Drainage Systen			Serbin

The existing crossing is undersized and overtops. The existing crossing is a corrugated metal pipe crossing. The proposed improvements include a multi-box (2) culvert. The existing road is a 2-lane road with an average daily traffic count of 24.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 39

Ŭ

Roadway(s) impacted (miles) 0.05

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 \$100,000

Flood Ma	anagement Evaluat	ion (FME) STUD	V Lower Colorado-Lavaca REGIONAL FLOOD
Title Meduna Rd & H	Barton Oaks Draw 1		PLANNING GROUP
Sponsor (name of ent	ity) Bastrop (County)	ID# 101000014	
Technical committee	recommend X Yes No RFPG recomm	end X Yes No Commitment	X Yes No REGION 10
Study Type			
Emergency prepa	aredness 🛛 📄 Floodplain modeling, mapp	oing and risk assessment x	Feasibility study Preliminary project engineering
Other			
Problem Area		N	
City _{N/A}	County Bastrop		
Watershed Lower Containe(s)	olorado - Cummins		535
Tributary(ies) Unnam	ned Tributary		
HUC# 12090301	Stream miles (est.) 0.38	Rosanky	
Drainage area: square	e miles, est 0.44 or acreage, est. 283	3	
Social vulnerability in (SVI score 0.0 indicates	ndex 0.61 least vulnerable; 1.0 indicates most vulnerable.)	A XEXEN	PF WALLAND
Other Roadway/Cros	ssing Improvements & Storm Drainage Syste	em	

The existing crossing is undersized and overtops. There does not appear to be an existing culvert or bridge. The proposed improvements include upgrades to the subject crossing. The existing road is a 2-lane road with an average daily traffic count of 65.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 2

ructures at fisk 0

Roadway(s) impacted (miles) 0.06

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

Flood	Manage	ment]	Evalua	ation	(FM	E) stui			r Colorad	A	
Title Pine Ca	nyon Dr & Wet Weathe	er Creek							NNING		
Sponsor (name	e of entity) Bastrop (County)			ID# 1010	00015					
Technical com	mittee recommend	X Yes No	RFPG reco	mmend X	Yes No	Commitmer	nt X Ye	s No	REGION 10		
Study Type											
Emergenc	y preparedness	Floodplai	n modeling, n	apping and	l risk assessr	ment x	Feasibi	ility study	Prelimina	ary project e	ngineering
Other											
Problem A	rea				N	CALL OF	1				0
City N/A		County Ba	astrop			A TOM	Mal				à
Watershed Lo name(s)	ower Colorado - Cun	ımins									H.
Tributary(ies)	Unnamed Tributary					1 Start		S		127	THE -
HUC# 12090	0301 St	tream miles (e	est.) 0.66						A MARY		
Drainage area:	square miles, est 0	.20 or a	creage, est.	126	Auros		Chiefe	and .			A Star
	oility index 0.61 adicates least vulnerabl	le; 1.0 indicates	s most vulnerab	e.)	100		E	535	C G B	304	
Other Roadw	ay/Crossing Improve	ements & Stor	rm Drainage S	ystem	Carles.	11/2		y la			

The existing crossing is undersized and overtops. The existing crossing is a corrugated metal pipe crossing. The proposed improvements include a multi-box (2) culvert. The existing road is a 2-lane road with an average daily traffic count of 230.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles) 0.00

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

Flood Manag	gement Evaluation	on (FME) _{stui}	DY Lower Colorado-La REGIONAL FL	
Title Hall Rd & Young's Branch	h		PLANNING GR	
Sponsor (name of entity) Bastr	rop (County)	ID# 101000016		001
Technical committee recomme	end X Yes No RFPG recommend	nd X Yes No Commitmer	nt X Yes No REGION 10	
Study Type Emergency preparedness Other	Floodplain modeling, mappi	ng and risk assessment x	Feasibility study Preliminary proj	ject engineering
Problem Area		N		0
City _{N/A}	County Bastrop			
Watershed Lower Colorado - name(s)	Cummins		2571	The second se
Tributary(ies) Unnamed Tribu	tary			
HUC# 1000502,1000501	Stream miles (est.) 0.65	Stand Barrie		
Drainage area: square miles, e	or acreage, est. 5,084	4		1 Art
Social vulnerability index 0.61 (SVI score 0.0 indicates least vuln	erable; 1.0 indicates most vulnerable.)			
Other Roadway/Crossing Imp	provements & Storm Drainage Systen	n	Rosanky	

The existing crossing is undersized and overtops. The existing crossing is a multiple box culvert. The proposed improvements include an upgrade of the subject crossing. The existing road is a 2-lane road with an average daily traffic count of 11.

Population at risk 3

Structures at risk 2

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 419

2

Roadway(s) impacted (miles) 0.21

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 \$100,000

Flood Manag	gement Evaluati	on (FME) _{stud}	Y Lower Colorado-Lavaca REGIONAL FLOOD
Title Friendship Rd & Turner C	reek A and B		PLANNING GROUP
Sponsor (name of entity) Bastr	op (County)	ID# 101000017	
Technical committee recomme	nd X Yes No RFPG recommend	nd X Yes No Commitment	X Yes No REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, mappi	ng and risk assessment X	Feasibility study Preliminary project engineering
Other			
Problem Area		N	A REAL OF A
City N/A	County Bastrop,Lee		
Watershed Lower Colorado - name(s)	Cummins	21 P	aige
Tributary(ies) Unnamed Tribut	ary		Hills 290
HUC# 1000508,1000504	Stream miles (est.) 2.70		2104
Drainage area: square miles, es	at 4.75 or acreage, est. 3,04	1	
Social vulnerability index 0.61 (SVI score 0.0 indicates least vulne	erable; 1.0 indicates most vulnerable.)		
Other Roadway/Crossing Imp	rovements & Storm Drainage Systen		

The existing crossing is undersized and overtops. The existing crossing is a single box culvert. The proposed improvements include a multi-box (3) culvert. The existing road is a 2-lane road with an average daily traffic count of 38.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 458

V

Roadway(s) impacted (miles) 0.49

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

Flo	ood Manager	nent Evaluati	on (FM	E) _{study}		Colorado-Lavaca
Title	Patterson Rd & Barton's Creek					NING GROUP
Sponse	or (name of entity) Bastrop (Co	ounty)	ID# 10100)0018		
Techni	cal committee recommend	Yes No RFPG recomme	nd X Yes No	Commitment X	Yes No	REGION 10
Study	/Туре					
	hergency preparedness	Floodplain modeling, mappi	ng and risk assessr	nent x Fea	sibility study	Preliminary project engineering
Prob	lem Area					
City N	I/A	County Bastrop				
	shed Lower Colorado - Cumr ne(s)	nins			سمی کر	
Tributa	ary(ies) Barton's Creek			Rosar	ìky	95
HUC#	1000501,1000476,10 Stre	eam miles (est.) 1.00	1			
Draina	ge area: square miles, est 12.	or acreage, est. 8,23	9	304		Stellar
	vulnerability index 0.61 ore 0.0 indicates least vulnerable;	1.0 indicates most vulnerable.)	String F	Prairie		
Other	Roadway/Crossing Improven	nents & Storm Drainage Syster	n		5053	

The existing crossing is undersized and overtops. The existing crossing is a wooden bridge. The proposed improvements include a multi-box (2) culvert. The existing road is a 2-lane road with an average daily traffic count of 39.

Population at risk 7	Structures at risl	x 5	Critical	facilities at risk 0
Farm/Ranch land impacted (acres)	914	Roadway(s) impacted	l (miles)	1.39

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

Flood Managemen	t Evaluatio	on (FMI	E) STUDY		Colorado-L	
Title Upper Elgin River Rd & Cotton Creek					NING GR	
Sponsor (name of entity) Bastrop (County)		ID# 10100	0019	I EAN		
Technical committee recommend X Yes	No RFPG recommen	d X Yes No	Commitment X	Yes No	REGION 10	
Study Type Emergency preparedness Other	lplain modeling, mappin	ng and risk assessm	nent x Feas	sibility study	Preliminary pro	pject engineering
Problem Area		N	North Contraction		5 6 6	0
City N/A County	y Bastrop, Travis		Signal -	PERAL.		
Watershed Lower Colorado - Cummins name(s)					1704	H
Tributary(ies) Unnamed Tributary					The state	
HUC# 1000512,1000510,10 Stream mile	es (est.) 0.50			m Har		
Drainage area: square miles, est 3.03	or acreage, est. 1,942	Webbe	rville			C L K m
Social vulnerability index 0.61 (SVI score 0.0 indicates least vulnerable; 1.0 indic	cates most vulnerable.)		No 2	197		
Other Roadway/Crossing Improvements &	Storm Drainage System		1			TREE

The existing crossing is undersized and overtops. The existing crossing is a corrugated metal pipe. The proposed improvements include a multi-box (2) culvert. The existing road is a 2-lane road with an average daily traffic count of 398.

Population at risk 54

Structures at risk 18

Roadway(s) impacted (miles)

Critical facilities at risk 0 ted (miles) 0.19

Farm/Ranch land impacted (acres) 347

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

Flood Manag	gement Evaluation	on (FME) stu	UDY Lower Colorado-Lavaca REGIONAL FLOOD
Title Old Sayers Rd & Big Sand	ly Creek		PLANNING GROUP
Sponsor (name of entity) Bastr	op (County)	ID# 101000020	
Technical committee recomme	nd X Yes No RFPG recommer	nd X Yes No Commitm	ment X Yes No REGION 10
Study Type Emergency preparedness Other	Floodplain modeling, mappir	ng and risk assessment	x Feasibility study Preliminary project engineering
Problem Area		N	
City _{N/A}	County Bastrop		Elgin
Watershed Lower Colorado - name(s)	Cummins		
Tributary(ies) Little Sandy Cre	vek		
HUC# 12090301	Stream miles (est.) TBD		
Drainage area: square miles, es	st 19.50 or acreage, est. 12,48	32	
Social vulnerability index 0.61 (SVI score 0.0 indicates least vulne	erable; 1.0 indicates most vulnerable.)		
	rovements & Storm Drainage System	1	All

The existing crossing is undersized and overtops. The existing crossing is a corrugated metal pipe. The proposed improvements include a multi-box (2) culvert-bridge. The existing road is a 2-lane road with an average daily traffic count of 251.

Population at risk 191

Structures at risk 90

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 894

Roadway(s) impacted (miles) 2.32

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

Flood Management Ev	valuation (FME)	STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title Caldwell Rd & Wet Weather Creek		PLANNING GROUP
Sponsor (name of entity) Bastrop (County)	ID# 101000021	
Technical committee recommend X Yes No RE	FPG recommend X Yes No Cor	nmitment X Yes No
Study Type Emergency preparedness Floodplain model Other	deling, mapping and risk assessment	x Feasibility study Preliminary project engineering
Problem Area	N	1625 Elroy
City N/A County Bastrop	p,Caldwell,Travis	
Watershed Lower Colorado - Cummins name(s)		
Tributary(ies) Cedar Creek	17	Mustang Ridge
HUC# 1000518,1000497,10 Stream miles (est.) (0.50	
Drainage area: square miles, est 26.23 or acreag	je, est. 16,788	
Social vulnerability index 0.61 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most	vulnerable.)	Lytton Springs 812
Other Roadway/Crossing Improvements & Storm Dr	ainage System	

The existing crossing is undersized and overtops. The existing crossing is a corrugated metal pipe. The proposed improvements include a multi-box (2) culvert. The existing road is a 2-lane road with an average daily traffic count of 411.

Population at risk 334

Structures at risk 149

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 2,402

149

Roadway(s) impacted (miles) 2.67

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

Flood Manageme	ent Evaluation	on (FMI	E) study		Colorado-L	
Title Smithville Recreation Center Expans	ion				INING GR	
Sponsor (name of entity) Smithville (Mun	icipality)	ID# 10100	0026			
Technical committee recommend X Ye	s No RFPG recommen	nd X Yes No	Commitment	X Yes No	REGION 10	
Study Type						
Emergency preparedness Fl	oodplain modeling, mappir	ng and risk assessm	nent x Fe	easibility study	Preliminary pro	oject engineering
Other						
Problem Area		N	1 18			ETR O
City Smithville Co	unty Bastrop			1		
Watershed Willow Creek - Colorado Ri name(s)	ver		2571		Smithville	H
Tributary(ies) Unnamed Tributary			JE SIG	ALL NO		
HUC# 1000502,1000501,10 Stream	miles (est.) TBD	- ini	一日的		Carl Carry	and a
Drainage area: square miles, est 5.87	or acreage, est. 3,754	4		Contraction of the		MAN .
Social vulnerability index 0.61 (SVI score 0.0 indicates least vulnerable; 1.0	indicates most vulnerable.)					K
Other Structure/Infrastructure						

Sponsor has indicated the desire to expand and improve the shelter-in-place capability of the Center.

Population at risk 629

Structures at risk 65

00

Farm/Ranch land impacted (acres) 403

Roadway(s) impacted (miles) 2.14

Critical facilities at risk 0

Scope of Study

Evaluate the existing building and determine feasibility and costs associated with providing expanded capacity.

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger.

Estimated Study Cost

Flood Manag	gement	t Evalu	ation	(FM	E) stue			Colorado-	
Title FM 812 at Alum Creek So	uth							NING G	
Sponsor (name of entity) Bastr	op (County)			ID# 10100	00028		-~		
Technical committee recomme	nd X Yes	No RFPG reco	mmend X	Yes No	Commitmen	t X Yes	No	REGION 10	
Study Type									
Emergency preparedness	Floodp	olain modeling, n	napping and i	risk assessr	nent	Feasibility s	tudy	× Preliminary p	roject engineering
Other									
Problem Area				N			P T		ENR O
City N/A	County	Bastrop			21	PA A		1. 2. 1. 1.	
Watershed Alum Creek - Wal name(s)	nut Creek					A.F.	812		The second se
Tributary(ies) Alum Creek					242	CAN.	SSE		
HUC# 12090301	Stream miles	s (est.) TBD			A. Ale	PAR S			J. Laks
Drainage area: square miles, es	st 1.21 or	r acreage, est.	772			10	AL DA		
Social vulnerability index 0.61 (SVI score 0.0 indicates least vulne	erable; 1.0 indica	ates most vulnerab	le.)						
Other Roadway/Crossing Imp	rovements & C	Channel Improve	ments					812	S-OCL

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 risk2Structures at risk1Critical facilities at riskFarm/Ranch land impacted (acres)28Roadway(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

Flood Management Evaluation	ion (FME) STUDY	Lower Colorado-Lavaca REGIONAL FLOOD
Title Magnolia St		PLANNING GROUP
Sponsor (name of entity) Brownwood (Municipality)	ID# 101000029	
Technical committee recommend X Yes No RFPG recommend	end X Yes No Commitment	X Yes No REGION 10
Study Type Emergency preparedness Floodplain modeling, mapp Other	ning and risk assessment 🛛 🗴 F	easibility study Preliminary project engineering
Problem Area		
City Brownwood County Brown		2525
Watershed Delaware Creek - Pecan Bayou name(s)	37	
Tributary(ies) Willis Creek		
HUC# 12090107 Stream miles (est.) TBD		
Drainage area: square miles, est 0.07 or acreage, est. 48	- Alton	2524
Social vulnerability index 0.28 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)		3064 2126
Other Roadway/Crossing Improvements & Channel Improvement	ts	

The existing roadside ditch and culvert are undersized resulting in localized flooding and roadway overtopping. Proposed improvements include improvements to the ditch and culvert. The existing main stem road is a 2-lane road with an average daily traffic count of 5,804. 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 276

Structures at risk 27

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

Flood Management Evaluation	on (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title Mission Hills Street	PLANNING GROUP
Sponsor (name of entity) Marble Falls (Municipality)	ID# 101000032
Technical committee recommend X Yes No RFPG recommend	nd X Yes No Commitment X Yes No REGION 10
Study Type Emergency preparedness Floodplain modeling, mappin Other	ng and risk assessment x Feasibility study Preliminary project engineering
Problem Area	N Contraction of the contraction
City Marble Falls County Burnet	
Watershed Backbone Creek name(s)	
Tributary(ies) Whitman Branch	
HUC# 12090205 Stream miles (est.) TBD	
Drainage area: square miles, est 4.21 or acreage, est. 2,693	3
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	Marble Falls
Other Roadway/Crossing Improvements & Channel Improvements	

The existing crossing is undersized and overtops. The proposed improvements include building a multi-span bridge crossing. The existing main stem road is a 2-lane road with an average daily traffic count of 265. 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 748

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 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

Flood Manag	ement Evaluation	on (FME) _{STUDY}	Lower Colorado-Lavaca REGIONAL FLOOD
Title Lum Rd, Hilltop Rd, FM 29	919 N		PLANNING GROUP
Sponsor (name of entity) Kendle	eton (Municipality)	ID# 101000034	
Technical committee recommer	nd X Yes No RFPG recommen	nd X Yes No Commitment X	Yes No REGION 10
Study Type Emergency preparedness Other	Floodplain modeling, mappi	ng and risk assessment x Feas	ibility study Preliminary project engineering
Problem Area		N 291	
City Kendleton	County Fort Bend		
Watershed Boone Branch - Sar name(s)	n Bernard River		
Tributary(ies) Brooks Branch			
HUC# 12090401	Stream miles (est.) TBD		Kendleton
Drainage area: square miles, est	t 1.41 or acreage, est. 905	60	
Social vulnerability index 0.1 (SVI score 0.0 indicates least vulner	rable; 1.0 indicates most vulnerable.)		
Other Roadway/Crossing Impr	ovements		

The existing crossings are undersized and overtop. The proposed improvements include upsizing the existing crossings. The existing 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 risk and assess potential future projects.

Population at risk14Structures at risk11Critical facilities at risk0Farm/Ranch land impacted (acres)69Roadway(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

Flo	od Manag	ement F	Evaluati	on (FM	E) stud		er Colorado-L	
Title ^I	Drainage Improvements to	Crawford Outlet Rig	ght-of-Way				NNING GR	
Sponsor	(name of entity) Kendle	eton (Municipality)		ID# 10100	00035			
Technic	al committee recommen	nd X Yes No	RFPG recomme	end X Yes No	Commitment	X Yes No	REGION 10	
Study	Туре							
Eme	ergency preparedness	Floodplain	modeling, mappi	ing and risk assessr	ment x	Feasibility study	Preliminary pre	oject engineering
Oth	er							
Proble	em Area			N	· · · · · · · · · · · · · · · · · · ·	2919		ATR O
City Ke	ndleton	County Fort	t Bend		1200		A CONTRACTOR	
Watersl name	hed Boone Branch - Sar e(s)	1 Bernard River						H
Tributar	y(ies) Brooks Branch				No.			
HUC#	12090401	Stream miles (es	t.) TBD		Stature .	Kend	dleton	
Drainag	e area: square miles, est	i 1.41 or act	reage, est. 905	60	1. 3	·	Sal - Lake	SA MARA
	ulnerability index 0.1 re 0.0 indicates least vulner	rable; 1.0 indicates i	most vulnerable.)		13. 30			
Other I	Drainage System Improv	/ements			TEN I			

The Sponsor has indicated the existing outlet/right-of-way stormwater infrastructure is undersized and the area is at risk of localized 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 14 Structures at risk 11 Critical facilities at risk 0	sk 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. 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

Flood Manageme	ent Evaluati	on (FME	E) STUDY		Colorado-L ONAL FL	
Title Gene and Church Streets					NING GR	
Sponsor (name of entity) Needville (Muni	cipality)	ID# 101000	0037	I LAN		
Technical committee recommend X Ye	s No RFPG recommen	nd X Yes No	Commitment	X Yes No	REGION 10	
Study Type						
5 51	oodplain modeling, mappi	ng and risk assessm	ient <mark>x</mark> F	easibility study	Preliminary pro	oject engineering
Other						
Problem Area		N		36		END O
City Needville Co	unty Fort Bend		a series			
Watershed Cedar Creek name(s)				Needvill		H
Tributary(ies) Unnamed Tributary		1000	in the sea	HOCCOM		NAV.
HUC# 12090401,12070104 Stream	miles (est.) TBD					10 1 1009
Drainage area: square miles, est 0.16	or acreage, est. 104		1 1/2	2/1		1 Part
Social vulnerability index 0.1 (SVI score 0.0 indicates least vulnerable; 1.0	indicates most vulnerable.)			h. and	36	CAR.
Other Roadway/Crossing Improvement	5					

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. 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

D 1

Roadway(s) impacted (miles) 0.00

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

Flood Management Evaluati	on (FME) STUD	NY Lower Colorado-Lavaca REGIONAL FLOOD
Title 800 Block W San Antonio		PLANNING GROUP
Sponsor (name of entity) Fredericksburg (Municipality)	ID# 101000038	
Technical committee recommend X Yes No RFPG recomme	end X Yes No Commitment	t X Yes No REGION 10
Study Type Emergency preparedness Floodplain modeling, mapp	ing and risk assessment	Feasibility study X Preliminary project engineering
Other		
Problem Area	N	
City Fredericksburg County Gillespie		
Watershed Barons Creek name(s)	illespie	
Tributary(ies) Unnamed Tributary		
HUC# 1000276,1000275,10 Stream miles (est.) TBD	The Chard	A CIT
Drainage area: square miles, est 11.67 or acreage, est. 7,46	56	Fredericksburg
Social vulnerability index 0.1 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)		
Other Roadway/Crossing Improvements & Channel Improvement	s	The state of the second second

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. 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 491	Structures at risk	138 Critical	facilities at risk 0
Farm/Ranch land impacted (acres)	409	Roadway(s) impacted (miles)	0.00

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

Flood Management Evaluati	on (FME) study	REGIONAL FLOOD
Title South End of Acorn Street		PLANNING GROUP
Sponsor (name of entity) Fredericksburg (Municipality)	ID# 101000039	
Technical committee recommend X Yes No RFPG recomme	end X Yes No Commitment	X Yes No REGION 10
Study Type Emergency preparedness Floodplain modeling, mappi Other	ing and risk assessment	Feasibility study x Preliminary project engineering
Problem Area	N	
City Fredericksburg County Gillespie	IN CONTRACT	
Watershed Barons Creek name(s)	illespie	
Tributary(ies) Barons Creek		16
HUC# 1000276,1000275,10 Stream miles (est.) 0.10	STAN STAR	
Drainage area: square miles, est 11.67 or acreage, est. 7,46	6	Fredericksburg
Social vulnerability index 0.1 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)		
Other Channel Improvements		

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. The existing risk indicators are based on available data and will be better defined as part of the study. Study results would provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk 491	Structures at risl	x 138	Critical	l facilities at risk <mark>0</mark>	
Farm/Ranch land impacted (acres)	409	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.

Estimated Study Cost

Flood Management Evaluat	tion (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title Bowie & Peach Street	PLANNING GROUP
Sponsor (name of entity) Fredericksburg (Municipality)	ID# 101000042
Technical committee recommend X Yes No RFPG recomm	nend X Yes No Commitment X Yes No REGION 10
Study Type Emergency preparedness Floodplain modeling, map Other	oping and risk assessment Feasibility study X Preliminary project engineering
Problem Area	N N N N N N N N N N N N N N N N N N N
City Fredericksburg County Gillespie	
Watershed Barons Creek name(s)	illespie
Tributary(ies) Barons Creek	16
HUC# 1000276,1000275,10 Stream miles (est.) TBD	
Drainage area: square miles, est 11.67 or acreage, est. 7,4	466 Fredericksburg
Social vulnerability index 0.1 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	
Other Drainage System Improvements	

The storm sewer system and curb inlets need to be upgraded to include two 36" RCPs. The existing 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 491	Structures at risk	138	Critical	facilities at risk 0
Farm/Ranch land impacted (acres) 40	9	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

Flood Management Evaluat	ion (FME) _{STUDY}	Lower Colorado-Lavaca REGIONAL FLOOD
Title Barons Creek Watershed - Southwest City		PLANNING GROUP
Sponsor (name of entity) Fredericksburg (Municipality)	ID# 101000043	
Technical committee recommend X Yes No RFPG recomm	nend X Yes No Commitment X	Yes No REGION 10
Study Type		
Emergency preparedness Floodplain modeling, map	ping and risk assessment 💦 🗴 Fea	asibility study 💦 📄 Preliminary project engineering
Other		
Problem Area	N	
City Fredericksburg County Gillespie		
Watershed Pedernales name(s)		965
Tributary(ies) Barons Creek	A RANGE	
HUC# 12090206 Stream miles (est.) 1.55	WUS Highway 290	Fredericksburg
Drainage area: square miles, est 0.47 or acreage, est. 30		
Social vulnerability index 0.1 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	A A A A A A A A A A A A A A A A A A A	E Martin
Other Drainage System and Roadway/Crossing Improvements	Page 2 Arts	

This study evolved out of the previous Edison Street at Barons Creek Study. The project was identified based on staff knowledge and was intended to reduce local street flooding, mobility, with possible structural risk reduction. The project was evaluated under Task 12 of the planning process. A 2D rain-on-grid model was developed to analyze proposed local drainage improvements and related alternatives. Due to the limited local flood risk reduction benefits, the city amended the action to include a broader study area to evaluate potential drainage system and/or roadway improvements for the residential areas upstream of Milam Street.

Population at risk 13 Structures at risk 9 Critical facilities at risk 0 Farm/Ranch land impacted (acres) 42 Roadway(s) impacted (miles) 0.00					
Farm/Ranch land impacted (acres)42Roadway(s) impacted (miles)0.00	Population at risk 13	Structures at risk	<u>s</u> 9	Critical	facilities at risk 0
	Farm/Ranch land impacted (acres)	42	Roadway(s) impacted	l (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 impact, preparation of cost estimate 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 project.

Estimated Study Cost

Cost \$150,000

Flood Management Evaluati	ton (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title 112 W Park	PLANNING GROUP
Sponsor (name of entity) Fredericksburg (Municipality)	ID# 101000044
Technical committee recommend X Yes No RFPG recomme	end X Yes No Commitment X Yes No REGION 10
Study Type Emergency preparedness Floodplain modeling, mappi Other	ing and risk assessment Feasibility study X Preliminary project engineering
Problem Area	
City Fredericksburg County Gillespie	
Watershed Barons Creek name(s)	illespie
Tributary(ies) Unnamed Tributary	
HUC# 1000276,1000275,10 Stream miles (est.) 0.10	
Drainage area: square miles, est 11.67 or acreage, est. 7,46	56 Fredericksburg
Social vulnerability index 0.1 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.) Other Channel Improvements	A CAR AND A CARACTER OF

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. The existing 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 risk491Structures at risk138Critical facilities at risk0Farm/Ranch land impacted (acres)409Roadway(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.

Estimated Study Cost

Flood Management Evaluation	on (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title Trailmoor near Llano Hwy	PLANNING GROUP
Sponsor (name of entity) Fredericksburg (Municipality)	ID# 101000048
Technical committee recommend X Yes No RFPG recommen	nd X Yes No Commitment X Yes No REGION 10
Study Type Emergency preparedness Floodplain modeling, mappin Other	ng and risk assessment Feasibility study x Preliminary project engineering
Problem Area	
City Fredericksburg County Gillespie	
Watershed Barons Creek name(s)	illespie
Tributary(ies) Town Creek	
HUC# 1000276,1000275,10 Stream miles (est.) TBD	
Drainage area: square miles, est 11.67 or acreage, est. 7,466	6 Fredericksburg
Social vulnerability index 0.1 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	
Other Drainage System Improvements	

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 risk491Structures at risk138Critical facilities at risk0Farm/Ranch land impacted (acres)409Roadway(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

Flood Management Evaluation	on (FME) _{stud}	VY Lower Colorado-Lavaca REGIONAL FLOOD
Title Drainage Channel near EMS Building		PLANNING GROUP
Sponsor (name of entity) Fredericksburg (Municipality)	ID# 101000050	
Technical committee recommend X Yes No RFPG recommen	nd X Yes No Commitment	X Yes No REGION 10
Study Type Emergency preparedness Other	ng and risk assessment	Feasibility study X Preliminary project engineering
Problem Area	N	
City Fredericksburg County Gillespie		Fredericksburg
Watershed Muesebach Creek - Pedernales River name(s)		
Tributary(ies) Unnamed Tributary		
HUC# 1000259,1000257,10 Stream miles (est.) 0.50		
Drainage area: square miles, est 4.34 or acreage, est. 2,778	8	
Social vulnerability index 0.1 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	Sout S	
Other Channel Improvements/erosion protection	16	87

There is existing erosion along the Pedernales River Tributary 2 near the City's Emergency Management System building that is threatening utilities servicing the building and nearby residential structures. 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) 154

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-ofway 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

Flood Management Evaluation	on (FME) _{stue}	NY Lower Colorado-Lavaca REGIONAL FLOOD
Title Bob White Trail		PLANNING GROUP
Sponsor (name of entity) Fredericksburg (Municipality)	ID# 101000051	
Technical committee recommend X Yes No RFPG recommer	nd X Yes No Commitmen	t X Yes No REGION 10
Study Type Emergency preparedness Floodplain modeling, mappin Other	ng and risk assessment	Feasibility study X Preliminary project engineering
Problem Area		
City Fredericksburg County Gillespie	N /S Highway	290 Fredericksburg
Watershed Muesebach Creek - Pedernales River name(s)		State State
Tributary(ies) Unnamed Tributary	THE REAL OF	
HUC# 1000259,1000275 Stream miles (est.) TBD	2093	
Drainage area: square miles, est 0.88 or acreage, est. 562		
Social vulnerability index 0.1 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	×	SUS HI
Other Roadway/Crossing Improvements & Storm Drainage System	1	16

The existing crossing is undersized and overtops. The existing crossing is a corrugated metal pipe crossing. The proposed improvements include a multi-pipe (2) culvert. The existing road is a 2-lane road with an average daily traffic count of 265. 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 C	ritical facilities at risk 0
Farm/Ranch land impacted (acres) 0		Roadway(s) impacted (mi	es) 0.00

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

Flood Management Evaluati	on (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title N Edison Low Water Crossing	PLANNING GROUP
Sponsor (name of entity) Fredericksburg (Municipality)	ID# 101000053
Technical committee recommend X Yes No RFPG recomme	end X Yes No Commitment X Yes No REGION 10
Study Type	
Emergency preparedness Floodplain modeling, mappi	ing and risk assessment 🛛 🗧 Feasibility study 🔹 🗴 Preliminary project engineering
Other	
Problem Area	
City Fredericksburg County Gillespie	
Watershed Barons Creek name(s)	illespie
Tributary(ies) Town Creek	
HUC# 1000276,1000275,10 Stream miles (est.) TBD	
Drainage area: square miles, est 11.67 or acreage, est. 7,46	56 Fredericksburg
Social vulnerability index 0.1 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	
Other Roadway/Crossing Improvements and Install Flood Early W System	Vaning

The existing crossing is undersized and overtops. The existing crossing is a single pipe culvert. The proposed improvements include redesigning the intersection and installing FEWS. The existing road is a 2-lane road with an average daily traffic count of 265. 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 491

Structures at risk 138

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 409

Roadway(s) impacted (miles) 0.00

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)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost \$15,000

Flood Management Evaluati	ion (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title Schubert Low Water Crossing	PLANNING GROUP
Sponsor (name of entity) Fredericksburg (Municipality)	ID# 101000054
Technical committee recommend X Yes No RFPG recomme	end X Yes No Commitment X Yes No REGION 10
Study Type Emergency preparedness Floodplain modeling, mapping Other	ping and risk assessment Feasibility study X Preliminary project engineering
Problem Area	
City Fredericksburg County Gillespie	
Watershed Barons Creek name(s)	illespie
Tributary(ies) Unnamed Tributary	
HUC# 1000276,1000275,10 Stream miles (est.) TBD	
Drainage area: square miles, est 11.67 or acreage, est. 7,46	66 Fredericksburg
Social vulnerability index 0.1 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	
Other Roadway/Crossing Improvements & Channel Improvements	ts

The existing crossing is undersized and overtops. The existing crossing consists of a single pipe culvert. The proposed improvements include lowering the channel and adding drop structures and installing five 9'x5' box culverts. The existing road is a 2-lane road with an average daily traffic count of 269. 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 491

Structures at risk 138

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 409

Roadway(s) impacted (miles) 0.00

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 \$50,000

Flood Management Evaluati	ion (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title 200 Block N Orange	PLANNING GROUP
Sponsor (name of entity) Fredericksburg (Municipality)	ID# 101000055
Technical committee recommend X Yes No RFPG recomme	end X Yes No Commitment X Yes No REGION 10
Study Type Emergency preparedness Floodplain modeling, mapping Other	ping and risk assessment Feasibility study x Preliminary project engineering
Problem Area	
City Fredericksburg County Gillespie	
Watershed Barons Creek name(s)	
Tributary(ies) Town Creek	16
HUC# 1000276,1000275,10 Stream miles (est.) 0.50	
Drainage area: square miles, est 11.67 or acreage, est. 7,46	66 Fredericksburg
Social vulnerability index 0.1 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	
Other Channel Improvements/erosion protection	

Town Creek is eroding on the downstream side of Orange Street. Localized scour is occurring at the outfall and along this steeper section of the channel threatening existing utilities. The existing 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 risk491Structures at risk138Critical facilities at risk0Farm/Ranch land impacted (acres)409Roadway(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.

Estimated Study Cost

Flood Management Evaluation	on (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title Crockett Street South of Travis	PLANNING GROUP
Sponsor (name of entity) Fredericksburg (Municipality)	ID# 101000056
Technical committee recommend X Yes No RFPG recommen	end X Yes No Commitment X Yes No REGION 10
Study Type	
Emergency preparedness Floodplain modeling, mappin	ing and risk assessment 🛛 📄 Feasibility study 🛛 🗴 Preliminary project engineering
Other	
Problem Area	N
City Fredericksburg County Gillespie	
Watershed Barons Creek name(s)	
Tributary(ies) Barons Creek	
HUC# 1000276,1000275,10 Stream miles (est.) TBD	
Drainage area: square miles, est 11.67 or acreage, est. 7,460	56 Fredericksburg
Social vulnerability index 0.1 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	
Other Drainage System Improvements	

The storm sewer system needs to be created to capture flow with curb/drop inlets to mitigate flows. 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 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 491

Structures at risk 138

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 409

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-ofway 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

Flood Management Evaluation	on (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title Cross Mountain West	PLANNING GROUP
Sponsor (name of entity) Fredericksburg (Municipality)	ID# 101000057
Technical committee recommend X Yes No RFPG recommen	nd X Yes No Commitment X Yes No REGION 10
Study Type Emergency preparedness Floodplain modeling, mappin Other	ng and risk assessment Feasibility study X Preliminary project engineering
Problem Area	
City Fredericksburg County Gillespie	
Watershed Barons Creek name(s)	illespie
Tributary(ies) Unnamed Tributary	16
HUC# 1000276,1000275,10 Stream miles (est.) TBD	
Drainage area: square miles, est 11.67 or acreage, est. 7,466	6 Fredericksburg
Social vulnerability index 0.1 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	
Other Drainage System Improvements	

Drainage system along Cross Mountain West is undersized and 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.

Opulation at risk 491	Structures at risk	138	Critical	facilities at risk	0
Farm/Ranch land impacted (acres) 40)9	Roadway(s) impacted	l (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 \$100,000

Flood Management Evaluati	on (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title N Milam at West Travis	PLANNING GROUP
Sponsor (name of entity) Fredericksburg (Municipality)	ID# 101000058
Technical committee recommend X Yes No RFPG recomme	end X Yes No Commitment X Yes No REGION 10
Study Type Emergency preparedness Floodplain modeling, mappi Other	ing and risk assessment Feasibility study X Preliminary project engineering
Problem Area	
City Fredericksburg County Gillespie	
Watershed Barons Creek name(s)	illespie
Tributary(ies) Town Creek	
HUC# 1000276,1000275,10 Stream miles (est.) TBD	
Drainage area: square miles, est 11.67 or acreage, est. 7,46	56 Fredericksburg
Social vulnerability index 0.1 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	
Other Drainage System Improvements	

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
 491
 Structures at risk
 138
 Critical facilities at risk

 Farm/Ranch land impacted (acres)
 409
 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 \$150,000

Flood Management Evaluation	on (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD	
Title Repair of Little Barton Creek Dam	PLANNING GROUP	
Sponsor (name of entity) Dripping Springs (Municipality)	ID# 101000059	
Technical committee recommend X Yes No RFPG recommen	end X Yes No Commitment X Yes No REGION 10	
Study Type		
Emergency preparedness Floodplain modeling, mappin Other	ing and risk assessment x Feasibility study Preliminary project engine	ering
Problem Area	N 12	
City Dripping Springs County Hays		
Watershed Headwaters Barton Creek name(s)		H C
Tributary(ies) Little Barton Creek		1072
HUC# 1000245,1000243,10 Stream miles (est.) 0.50		
Drainage area: square miles, est 7.83 or acreage, est. 5,009)9 Dripping	290
Social vulnerability index 0.17 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	Springs	- also
Other Dam Improvements		「日本

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

Population at risk 8	Structures at risk	5	Critical	facilities at risk	0
Farm/Ranch land impacted (acres) 23	8	Roadway(s) impacted (m	niles)	0.08	

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

Flood Management Evaluation	on (FME) stud	Y Lower Colorado-Lavaca REGIONAL FLOOD
Title Prepare Evacuation Plan		PLANNING GROUP
Sponsor (name of entity) Mountain City (Municipality)	ID# 101000061	
Technical committee recommend X Yes No RFPG recommer	nd X Yes No Commitment	X Yes No REGION 10
Study Type		
x Emergency preparedness Floodplain modeling, mappir Other Floodplain modeling	ng and risk assessment	Feasibility study Preliminary project engineering
Problem Area	N	
City Mountain City County Hays		
Watershed Mustang Branch - Onion Creek name(s)		
Tributary(ies) Unnamed Tributary		Mountain City
HUC# 12090205,12100203 Stream miles (est.) TBD	50	Mountain City
Drainage area: square miles, est 0.42 or acreage, est. 268	-41.44	
Social vulnerability index0.17(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)OtherLocal Plans & Regulations		150

The Sponsor's evacuation plan(s) are out of date and need to be updated to assist with emergency coordination during a flood event.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

iles) 0.00

Scope of Study

Coordinate with agencies and local governments as necessary to develop/update the evacuation plan.

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger.

Estimated Study Cost

Flood Management Evaluati	ion (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title MLK Blvd to Mexico Street	PLANNING GROUP
Sponsor (name of entity) Edna (Municipality)	ID# 101000062
Technical committee recommend X Yes No RFPG recomme	end X Yes No Commitment X Yes No REGION 10
Study Type Emergency preparedness Floodplain modeling, mappi Other	ning and risk assessment x Feasibility study Preliminary project engineering
Problem Area	N N N N N N N N N N N N N N N N N N N
City Edna County Jackson	
Watershed Lavaca name(s)	
Tributary(ies) Post Oak Branch	
HUC# 12100101,12100102 Stream miles (est.) 2.00	B22 Manson
Drainage area: square miles, est 1.62 or acreage, est. 1,03	37
Social vulnerability index 0.51 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	Edna
Other Roadway/Crossing Improvements & Storm Drainage System	m

The existing crossing is undersized and overtops. The existing crossing/bridge class structure is a multi-box (2) culvert-bridge. The proposed improvements include upgrades to the subject crossing. The existing road is a 2-lane road with an average daily traffic count of 152.

Population at risk 689

Structures at risk 223

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 170

225 at 115k 225

Roadway(s) impacted (miles) 5.34

Scope of Study

Conduct a study to evaluate upsizing the existing culvert-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

Flood Management Evaluat	ion (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title Stormwater Diversion Project	PLANNING GROUP
Sponsor (name of entity) Edna (Municipality)	ID# 101000063
Technical committee recommend X Yes No RFPG recomm	nend X Yes No Commitment X Yes No REGION 10
Study Type Emergency preparedness Floodplain modeling, map Other	ping and risk assessment x Feasibility study Preliminary project engineering
Problem Area	N 822
City Edna County Jackson	
Watershed Post Oak Branch - Dry Creek name(s)	
Tributary(ies) Dry Creek	Edna
HUC# 12100101,12100102 Stream miles (est.) TBD	
Drainage area: square miles, est 4.06 or acreage, est. $2,6$	501 Jackson
Social vulnerability index 0.51 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	El Toro 1822
Other Drainage System Improvements	3131

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. Sponsor has indicated targeted buyouts area also a potential outcome.

Population at risk 1,908	Structures at risk	5 1,223	Critical	facilities at risk 2	
Farm/Ranch land impacted (acres)	137	Roadway(s) impacted	(miles)	26.26	

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

Cost \$200,000 Potential

Flood Manag	ement Evaluation	on (FME) STUDY	Y Lower Colorado-Lavaca REGIONAL FLOOD
Title Land Purchase for New EM	AS/Fire/Police Building		PLANNING GROUP
Sponsor (name of entity) Ganad	lo (Municipality)	ID# 101000064	
Technical committee recommer	nd X Yes No RFPG recommen	nd X Yes No Commitment	X Yes No REGION 10
Study Type Emergency preparedness Other	Floodplain modeling, mappi	ng and risk assessment x	Feasibility study Preliminary project engineering
Problem Area City Ganado	County Jackson	N	
Watershed name(s)			710 US-59 N
Tributary(ies) Devers Creek			Ganado
HUC# 12100102	Stream miles (est.) TBD	Car	
Drainage area: square miles, est	t 1.12 or acreage, est. 717		1157
Social vulnerability index 0.51 (SVI score 0.0 indicates least vulner Other Local Plans & Regulation	rable; 1.0 indicates most vulnerable.) MS	59	

The current facility is located within the 100-year floodplain. The study will investigate possible sites and cost for relocation and may include the need to extend floodplain models upstream to verify the new location is outside the floodplain.

Population at risk 77

Structures at risk 28

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 28

Roadway(s) impacted (miles) 0.42

Scope of Study

The study will include hydrologic and hydraulic modeling (with Atlas 14) to identify/verify the most appropriate location for this development.

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.

Estimated Study Cost

Cost \$100,000

Flood Manag	gement Evaluation	on (FME) STUDY	REGIONAL FLOOD
Title Jackson County Hospital I	District		PLANNING GROUP
Sponsor (name of entity) Jacks	on (County)	ID# 101000065	
Technical committee recomme	nd X Yes No RFPG recommend	nd X Yes No Commitment	X Yes No REGION 10
Study Type Emergency preparedness Other	Floodplain modeling, mappi	ng and risk assessment x	Feasibility study Preliminary project engineering
Problem Area		822	
City _{N/A}	County Jackson		59
Watershed Post Oak Branch - name(s)	Dry Creek		Edna
Tributary(ies) Dry Creek		A 49	
HUC# 12100101	Stream miles (est.) TBD	SE	
Drainage area: square miles, es	or acreage, est. 57		
Social vulnerability index 0.51 (SVI score 0.0 indicates least vulne	erable; 1.0 indicates most vulnerable.)	The charles	
Other Jackson County Hospita	al Flood Plan	Set S	1822

The southern portion of the study area is located in the 100-year floodplain of Dry Creek and multiple structures are at risk. The existing 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 5

Structures at risk 3

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles) 0.12

Critical facilities at risk 0

Scope of Study

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

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas and flood risk reduction measures (e.g., alternatives analysis and preliminary engineering). 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost \$150,000 Potent

Flood Manag	gement Evaluati	ion (FME) stur) Y	rado-Lavaca
Title County Road 480				IG GROUP
Sponsor (name of entity) Jacks	on (County)	ID# 101000066		
Technical committee recommen	nd X Yes No RFPG recomme	end X Yes No Commitmen	t X Yes No REGI	ON 10
Study Type				
Emergency preparedness	Floodplain modeling, mapp	ing and risk assessment x	Feasibility study Pre	eliminary project engineering
Other				
Problem Area		N		1
City _{N/A}	County Jackson			
Watershed Matagorda Bay, Ea name(s) Bay	ast Carancahau Creek - Frontal Cara	incahua	124	H
Tributary(ies) Unnamed Tribut	ary			
HUC# 12100401	Stream miles (est.) TBD			
Drainage area: square miles, es	or acreage, est. 41			
Social vulnerability index 0.51 (SVI score 0.0 indicates least vulne	erable; 1.0 indicates most vulnerable.)			-191 -1
Other Roadway/Crossing Imp	rovements			

CR480 runs parallel to Matagorda Bay and is threatened by erosion. The road serves as one of the primary means of ingress/egress to several residential areas in southern Jackson County. The proposed improvements include construction of a wall to protect and strengthen the roadway. The existing road is a 2-lane road with an average daily traffic count of 36. 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 16

Structures at risk 10

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 15

TU ISK IU

Roadway(s) impacted (miles) 0.61

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

Flood Management Ev	aluation (FMI		er Colorado-Lavaca
Title Various Streets - Install Flood Early Warning System	1		NNING GROUP
Sponsor (name of entity) Kerr (County)	ID# 10100		
Technical committee recommend X Yes No RF	PG recommend X Yes No	Commitment X Yes No	REGION 10
Study Type			
Emergency preparedness Floodplain mod Other	deling, mapping and risk assessn	nent x Feasibility study	Preliminary project engineering
Problem Area	Ν		
City N/A County Kerr			
Watershed Multiple Watersheds name(s)			
Tributary(ies) Unnamed Tributary			Kerrville
HUC# 12090204,12090206, Stream miles (est.) 7	TBD		
Drainage area: square miles, est 1,103.03 or acreage	e, est. 705,941		
Social vulnerability index 0.36 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most	vulnerable.)	A MARCE	1990 - 1940 - 1940 - 1940 - 1940 - 1940 - 1940 - 1940 - 1940 - 1940 - 1940 - 1940 - 1940 - 1940 - 1940 - 1940 -
Other Install Flood Early Warning System			

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

Population at risk 49

Structures at risk 51

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 10,644

Roadway(s) impacted (miles) 0.20

Scope of Study

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

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost \$50,000

Flood Manage	ement Evaluation	on (FME) stud	Y	Colorado-Lavaca
Title Lake Junction Dredging				NING GROUP
Sponsor (name of entity) Junction	n (Municipality)	ID# 101000068	I LAN	
Technical committee recommend	X Yes No RFPG recommer	nd X Yes No Commitment	X Yes No	REGION 10
Study Type Emergency preparedness Other	Floodplain modeling, mappir	ng and risk assessment X	Feasibility study	Preliminary project engineering
Problem Area				
City Junction	County Kimble			
Watershed Joy Creek - South Ll name(s)	ano River		Junction	
Tributary(ies) South Llano River		NA: SA		Kimble
HUC# 12090203	Stream miles (est.) TBD	THE ALL OF	BRU .	Key Kernik
Drainage area: square miles, est	0.07 or acreage, est. 42	1 man	JA SE	481
Social vulnerability index 0.33 (SVI score 0.0 indicates least vulnerable)	uble; 1.0 indicates most vulnerable.)	A A CARL		
Other Local Plans & Regulation	IS		ASPAN	

The City has identified the need to dredge Lake Jackson to improve hydraulics and increase storage capacity. 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 0	Structures at risk	c 0 Critic	al facilities at risk 0	
Farm/Ranch land impacted (acres)	14	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.

Estimated Study Cost

Flood Managen	nent Evaluation	on (FMI	E) _{study}		Colorado-L	
Title Llano River Erosion					NING GR	
Sponsor (name of entity) Junction (Me	unicipality)	ID# 10100	0069			001
Technical committee recommend X	Yes No RFPG recommer	nd X Yes No	Commitment X Ye	es No	REGION 10	
Study Type Emergency preparedness Other	Floodplain modeling, mappir	ng and risk assessm	nent <u>x</u> Feasil	bility study	Preliminary pro	ject engineering
Problem Area		N	12		STATE PAR	0
City Junction	County Kimble					
Watershed Elm Slough - North Llan name(s) River	o River, Joy Creek - South Llar	no	1674			The second se
Tributary(ies) Llano River		A Star	THE ACANO		ARTA S	1 mart
HUC# 12090202,12090204, Stre	am miles (est.) 1.60		PER TIN	Junction	Kimble	
Drainage area: square miles, est 2.39	or acreage, est. 1,527	7	1 1 2 3			
Social vulnerability index 0.33 (SVI score 0.0 indicates least vulnerable;	1.0 indicates most vulnerable.)		K Con	ACRES !!		
Other Channel Improvements/erosio	n protection	ALL Y	A Will	ALL ALL		A ANS

The City has identified numerous erosion locations along the Llano River impacting Lake Junction and will undertake a study to develop and implement projects to prevent erosion. 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 192

Structures at risk 130

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 427

Roadway(s) impacted (miles) 0.04

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

Cost \$200,000

Flood Manag	gement Evaluati	on (FME) _{stud}	Y Lower Colorado-Lavaca REGIONAL FLOOD
Title Llano River Channel Main	itenance/Improvements		PLANNING GROUP
Sponsor (name of entity) Llano	(Municipality)	ID# 101000070	
Technical committee recommen	nd X Yes No RFPG recommend	nd X Yes No Commitment	X Yes No REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, mappi	ng and risk assessment x	Feasibility study Preliminary project engineering
Other			
Problem Area		N	
City Llano	County Llano		
	lano River, Pecan Creek - Llano Rive ano River, Wrights Creek - Llano Ri	er,	
Tributary(ies) Llano River			29
HUC# 12090204	Stream miles (est.) TBD		Llano
Drainage area: square miles, es	or acreage, est. 3,68	5	
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulne	erable; 1.0 indicates most vulnerable.)	152	CHANNER ON
Other Channel Improvements			

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

Population at risk 445

Structures at risk 181

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 464

_

Roadway(s) impacted (miles) 3.48

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

Cost \$100,000

Flood Manage	ment Evaluat	ion (FMI	E) _{study}		Colorado-Lavaca
Title Drainage Ditch Maintenance/In	nprovements				NING GROUP
Sponsor (name of entity) Sunrise B	each Village (Municipality)	ID# 10100	00071		
Technical committee recommend	X Yes No RFPG recomm	end X Yes No	Commitment X	Yes No	REGION 10
Study Type Emergency preparedness Other	Floodplain modeling, mapp	bing and risk assessn	nent x Feas	sibility study	Preliminary project engineering
Problem Area		N	290		
City Sunrise Beach Village	County Llano		290	and the second se	Highland
Watershed Sandy Creek - Lake Ly name(s)	ndon B Johnson				Haven Granite Shoa
Tributary(ies) Unnamed Tributarie	5	71			1 Stand
HUC# 12090201 St	ream miles (est.) TBD				
Drainage area: square miles, est 2	64 or acreage, est. 1,6	88	P		
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulnerable	e; 1.0 indicates most vulnerable.)	1	X		
Other Channel Improvements			JAN S		Horseshoe Bay

The City has identified a number of drainage channels that need to be maintained as well as improved to provide additional conveyance to prevent erosion and mitigate local flooding. The proposed improvements will include channel modifications and develop a more detailed assessment of existing flood and potential flood risk reduction (where appropriate) that will used to evaluate projects for future planning cycles.

Population at risk422Structures at risk330Critical facilities at riskFarm/Ranch land impacted (acres)101Roadway(s) impacted (miles)0.82

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

Flood Mar	nagement Evalu	ation (FM	E) _{study}		Colorado-Lavaca	
Title Prepare Evacuation	n Plan				NING GROUP	
Sponsor (name of entity)	Llano (County)	ID# 1010	00072	FLAN		
Technical committee rec	commend X Yes No RFPG rec	commend X Yes No	Commitment X	Yes No	REGION 10	
Study Type						
x Emergency prepared Other	Iness Floodplain modeling,	mapping and risk assess	ment Fea	asibility study	Preliminary project engineer	ing
Problem Area		N			0	20
City _{N/A}	County Llano		1 an rik			
Watershed Multiple Wa name(s)	tersheds					H
Tributary(ies) Unnamed	Tributary	19 M	Real Constant	A SALL		
HUC# 12090201,1209	0204, Stream miles (est.) TBD		AN DEC M			
Drainage area: square m	iles, est 962.44 or acreage, est.	615,962	A AN		STATE FOR SHE	
Social vulnerability index (SVI score 0.0 indicates lea	x 0.19 st vulnerable; 1.0 indicates most vulnera	ble.)			S	
Other Local Plans & Re	egulations					

The Sponsor's evacuation plan(s) are out of date and need to be updated to assist with emergency coordination during a flood event.

Population at risk 3,718

Structures at risk 2,739

Critical facilities at risk 3

Farm/Ranch land impacted (acres) 44,594

Roadway(s) impacted (miles)

15.17

Scope of Study

Coordinate with agencies and local governments as necessary to develop/update the evacuation plan.

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger.

Estimated Study Cost

Cost \$25,000

Flood Managen	nent Evaluati	on (FME) _{stu}	Lower Colorado-Lavaca REGIONAL FLOOD
Title Comanche Rancherias Subdivisio	on		PLANNING GROUP
Sponsor (name of entity) Llano (Coun	ty)	ID# 101000073	
Technical committee recommend X	Yes No RFPG recomme	end X Yes No Commitme	ent X Yes No REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, mapp	ing and risk assessment	x Feasibility study Preliminary project engineering
Other			
Problem Area		N	Kingsland
City _{N/A}	County Llano		
Watershed Honey Creek - Lake Lynn name(s)	don B Johnson		
Tributary(ies) Moss Creek			2900
HUC# 12090201,12090204 Stre	am miles (est.) TBD		Highla Have
Drainage area: square miles, est 5.79	or acreage, est. 3,70	3	
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulnerable;	1.0 indicates most vulnerable.)	3 T 483	Gra
Other Watershed Study			71

The subdivision has multiple local drainage problems and portions of the subdivision are at risk of flooding including a risk of street flooding, property flooding, and potential structural flooding. The existing flood risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk 17

Scope of Study

Structures at risk 20

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 216

Roadway(s) impacted (miles) 0.00

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

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

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

Flood Manage	emer	nt Evalu	ation	n (FMI	E) stud	NY STATE	er Colorado-L	
Title Construct Emergency Opera	tion Center						NNING GF	
Sponsor (name of entity) Palacio	s (Municipa	lity)		ID# 10100	0074			
Technical committee recommen	d X Yes	No RFPG reco	ommend	X Yes No	Commitment	X Yes No	REGION 10	
Study Type								
Emergency preparedness	Floo	odplain modeling, r	napping ar	nd risk assessm	nent x	Feasibility study	Preliminary pr	oject engineering
Other								
Problem Area				N	ST ALL			
City Palacios	Cour	ty Matagorda				a state		
Watershed Tres Palacios River name(s)	- Frontal T	res Palacios Bay			35		Collegept	H
Tributary(ies) Unnamed Tributa	y				35			ALL LAN
HUC# 12100401	Stream m	iles (est.) TBD		and the second				meril
Drainage area: square miles, est	3.35	or acreage, est.	2,145	and the	1		alacios	
Social vulnerability index 0.84 (SVI score 0.0 indicates least vulner	able; 1.0 ind	licates most vulnerab	le.)	L	55	10 million		
Other Local Plans & Regulation	18			S P				

The city has identified the need to construct an emergency operation center for the safety of the community. The study will investigate possible sites and cost for the location and may include the need to extend floodplain models upstream to verify the location is outside the floodplain.

Population at risk 305

Structures at risk 247

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 48

Roadway(s) impacted (miles)

6.88

Scope of Study

The study will include hydrologic and hydraulic modeling (with Atlas 14) to identify/verify the most appropriate location for this development.

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.

Estimated Study Cost

Cost \$100,000

Flood Manager	ment Evaluat	ion (FMI	E) study		Colorado-Lavaca
Title Airport Drainage Improvements	S				INING GROUP
Sponsor (name of entity) Palacios (N	Municipality)	ID# 10100)0075		
Technical committee recommend	X Yes No RFPG recomm	end X Yes No	Commitment	Yes No	REGION 10
Study Type					
Emergency preparedness	Floodplain modeling, mapp	oing and risk assessn	nent x Fe	asibility study	Preliminary project engineering
Other					
Problem Area		Ν			
City Palacios	County Matagorda		C I Parales	Card I	
Watershed Tres Palacios River - Fr name(s)	rontal Tres Palacios Bay				
Tributary(ies) Reed Creek, Horn Cr	eek		NIET THE N		35 0
HUC# 12100401 Sta	ream miles (est.) TBD		35		
Drainage area: square miles, est 0.	70 or acreage, est. 450)	35	105	
Social vulnerability index 0.84 (SVI score 0.0 indicates least vulnerable	e; 1.0 indicates most vulnerable.)	20			
Other Watershed Study			200	2	Palacios

The airport is located within the 100-year floodplain of Tres Palacios Bay and has local drainage problems with portions of the area at risk of flooding. The existing 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 2

Structures at risk 3

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 4

detailes at fisk j

Roadway(s) impacted (miles) 0.00

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) TBD

Flood Managen	nent Evaluation	on (FMI	E) STUDY		Colorado-Lavaca
Title Tres Palacios River					NING GROUP
Sponsor (name of entity) Matagorda (County)	ID# 10100	0076	I LAN	
Technical committee recommend X	Yes No RFPG recommen	nd X Yes No	Commitment X Y	Yes No	REGION 10
Study Type					
Emergency preparedness	Floodplain modeling, mappi	ng and risk assessn	nent x Feasi	ibility study	Preliminary project engineering
Other					
Problem Area		N	A. 5. 2. 3		0
City _{N/A}	County Matagorda			Ch. P	
Watershed Multiple Watersheds name(s)				5	Bay City
Tributary(ies) Tres Palacios River		No. 6		States at	
HUC# 12090302,12100401, Stre	am miles (est.) TBD				
Drainage area: square miles, est 365	.91 or acreage, est. 234,	181			
Social vulnerability index 0.84 (SVI score 0.0 indicates least vulnerable;	1.0 indicates most vulnerable.)			K SI	
Other Install Flood Early Warning S	ystem				

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

Population at risk 3,840

Structures at risk 1,805

Critical facilities at risk 1

75.83

Farm/Ranch land impacted (acres) 28,386

Roadway(s) impacted (miles)

Scope of Study

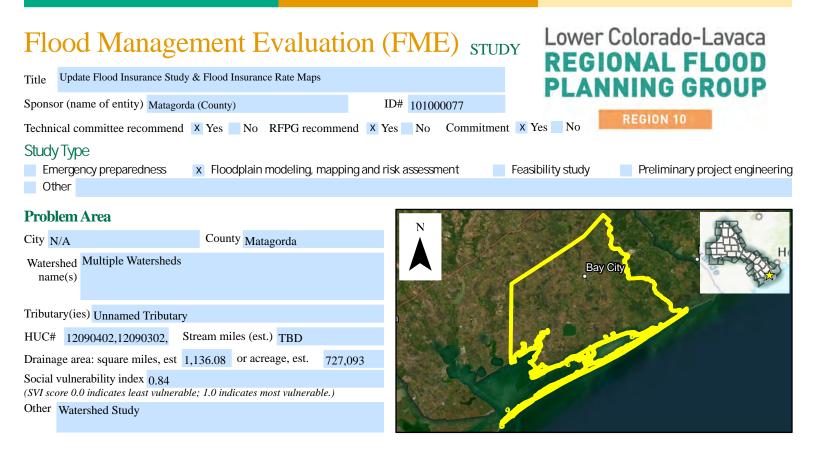
Evaluate the type of flood early warnings system (flashers, barricades, signage) and communication systems requirements for the installation and long-term maintenance of the system. Include hydrologic and hydraulic modeling (if needed) including depth, duration and frequency of flooding, daily traffic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

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., , City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost \$50,000



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

Population at risk 10,584

Structures at risk 7,017

Critical facilities at risk 6

Farm/Ranch land impacted (acres) 124,179

Roadway(s) impacted (miles) 183.22

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

Cost \$3,000,000 Pote

Flood Managemen	nt Evaluatio	on (FMI	E) STUDY		Colorado-L	
Title Hooten Holler in Richland Springs					NING GR	
Sponsor (name of entity) San Saba (County)		ID# 10100	0078			
Technical committee recommend X Yes	No RFPG recommen	nd X Yes No	Commitment X	Yes No	REGION 10	
Study Type						
Emergency preparedness Floo	odplain modeling, mappir	ng and risk assessn	nent x Fea	sibility study	Preliminary pro	oject engineering
Other						
Problem Area		N		素は		END O
City N/A Cour	^{nty} San Saba			2 Min		
Watershed Lower Richland Springs Creek name(s)	ς Γ		997	4	5	H
Tributary(ies) Richland Springs Creek		Hall	a state of the second		The Bark	
HUC# 12090109,12090106 Stream m	iles (est.) TBD	Linall	AL A	Rich	iland	
Drainage area: square miles, est 5.44	or acreage, est. 3,479		AT AL	Spri	ings	AR.
Social vulnerability index 0.51 (SVI score 0.0 indicates least vulnerable; 1.0 indicates least	dicates most vulnerable.)	190				中有了一方面
Other Watershed Study		10	1 AR	a la la la		

The Sponsor has indicated the existing stormwater infrastructure in the study area and numerous houses are located in the 100-year floodplain. The existing 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 risk34Structures at risk43Critical facilities at risk0Farm/Ranch land impacted (acres)695Roadway(s) impacted (miles)1.87

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) TBD

Flood Manag	gement Evaluati	on (FME) _{stud}	Y Lower Colorado-Lavaca REGIONAL FLOOD
Title Community Evacuation P	lan		PLANNING GROUP
Sponsor (name of entity) Jones	stown (Municipality)	ID# 101000080	
Technical committee recomme	nd X Yes No RFPG recomme	nd X Yes No Commitment	X Yes No REGION 10
Study Type			
x Emergency preparednessOther	Floodplain modeling, mappi	ng and risk assessment	Feasibility study Preliminary project engineering
Problem Area		N	2243
City Jonestown	County Travis		
Watershed Hurst Creek - Lake name(s)	e Travis, Big Sandy Creek	1431	Jonestown
Tributary(ies) Unnamed Tribut	tary	ALL STOR	
HUC# 12090205	Stream miles (est.) TBD	AND A PACE	
Drainage area: square miles, es	st 7.55 or acreage, est. 4,83	2	Vista
Social vulnerability index 0.15 (SVI score 0.0 indicates least vulne	erable; 1.0 indicates most vulnerable.)		Visia A
Other Local Plans & Regulati	ons		Hudeen Bend

The Sponsor's evacuation plan(s) are out of date and need to be updated to assist with emergency coordination during a flood event.

Population at risk 562

Structures at risk 321

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 423

Roadway(s) impacted (miles) 2.48

Scope of Study

Coordinate with agencies and local governments as necessary to develop/update the evacuation plan.

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger.

Estimated Study Cost

Cost \$25,000

Flood Management Eva	aluation (FME		Colorado-Lavaca
Title Citywide Drainage Study			INING GROUP
Sponsor (name of entity) Lago Vista (Municipality)	ID# 101000	082	
Technical committee recommend X Yes No RFP	G recommend X Yes No	Commitment X Yes No	REGION 10
Study Type Emergency preparedness Other	eling, mapping and risk assessme	ent Feasibility study	Preliminary project engineering
Problem Area	N		
City Lago Vista County Travis		1431	
Watershed Bee Creek - Lake Travis, Hurst Creek - Lak name(s)	te Travis		Jonesto
Tributary(ies) Unnamed Tributary		Lago	Vista Vista
HUC# 12090205 Stream miles (est.) TB	BD		Recard ,
Drainage area: square miles, est 15.51 or acreage,	est. 9,926		
Social vulnerability index 0.15 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vu	Inerable.)		Hudson Bend
Other Watershed Study			in the l

The City has multiple local drainage problems and portions of the City are at risk of flooding. The existing 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 risk754Structures at risk543Critical facilities at risk1Farm/Ranch land impacted (acres)658Roadway(s) impacted (miles)10.48

Scope of Study

The Citywide 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 \$250,000 Potential funding source(s) TBD

Flood Manage	ement Evaluation	on (FME) _{stui}	DY Lower Colorado-Lavaca REGIONAL FLOOD
Title Community Evacuation Pla	n		PLANNING GROUP
Sponsor (name of entity) Lago V	ista (Municipality)	ID# 101000083	
Technical committee recommen	d X Yes No RFPG recommen	nd X Yes No Commitmer	nt X Yes No REGION 10
Study Type			
XEmergency preparednessOther	Floodplain modeling, mappi	ng and risk assessment	Feasibility study Preliminary project engineering
Problem Area		N	P 0
City Lago Vista	County Travis		1431
Watershed Bee Creek - Lake Tr name(s)	ravis, Hurst Creek - Lake Travis	rood	Jonesto
Tributary(ies) Unnamed Tributa	ry		Lago Vista
HUC# 12090205	Stream miles (est.) TBD		Charles Burk
Drainage area: square miles, est	15.51 or acreage, est. 9,920	6	
Social vulnerability index 0.15 (SVI score 0.0 indicates least vulner	able; 1.0 indicates most vulnerable.)	71	Hudson Bend
Other Local Plans & Regulation	ns		and the l

The City has identified the need to develop/update an evacuation plan for the safety of the community.

Population at risk 754

Structures at risk 543

Critical facilities at risk 1

Farm/Ranch land impacted (acres) 658

0.0

Roadway(s) impacted (miles) 10.48

Scope of Study

Coordinate with agencies and local governments as necessary to develop/update the evacuation plan.

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger.

Estimated Study Cost

Cost \$25,000

Flood Management Evaluation	on (FME) STUDY	Lower Colorado-Lavaca REGIONAL FLOOD
Title Bee Creek Drainage Improvements		PLANNING GROUP
Sponsor (name of entity) West Lake Hills (Municipality)	ID# 101000084	
Technical committee recommend X Yes No RFPG recommen	nd X Yes No Commitment	X Yes No
Study Type Emergency preparedness Floodplain modeling, mappin Other	ng and risk assessment x F	easibility study Preliminary project engineering
Problem Area	2 N	
City West Lake Hills County Travis		
Watershed Lake Austin - Town Lake name(s)		
Tributary(ies) Little Bee Creek	MARK TO THE	
HUC# 12090205 Stream miles (est.) 1.25		West Lake, Hills
Drainage area: square miles, est 1.06 or acreage, est. 677		
Social vulnerability index 0.15 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	Lost Creek	2244
Other Channel Improvements		

The existing channel and road crossings are undersized resulting in localized erosion as well as flood risk to houses along Yaupon Valley Road and Laurel Valley Road. The area has experienced excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion. 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 31

Structures at risk 14

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 18

Roadway(s) impacted (miles)

0.47

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-ofway 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

Flood Manager	ment Evaluation	on (FME) st		Colorado-Lavaca
Title Create emergency evacuation p	lan			INING GROUP
Sponsor (name of entity) Point Vent	ure (Municipality)	ID# 101000085		
Technical committee recommend	X Yes No RFPG recommen	nd X Yes No Commit	ment X Yes No	REGION 10
Study Type				
x Emergency preparedness Other	Floodplain modeling, mappi	ng and risk assessment	Feasibility study	Preliminary project engineering
Problem Area		N	A Rest Contractor	
City Point Venture	County Travis			
Watershed Bee Creek - Lake Travi name(s)	is, Hurst Creek - Lake Travis		C C C C C C C C C C C C C C C C C C C	
Tributary(ies) Unnamed Tributary		3 Charles		ar as as
HUC# 12090205 St	ream miles (est.) TBD			Buffalo Gap
Drainage area: square miles, est 0.	or acreage, est. 602		(ANS).	ALCONTRACT DE
Social vulnerability index 0.15 (SVI score 0.0 indicates least vulnerable	e; 1.0 indicates most vulnerable.)		a. C	Lakeway
Other Local Plans & Regulations		500	Pres the	620

The Sponsor's evacuation plan(s) are out of date and need to be updated to assist with emergency coordination during a flood event.

Population at risk 403

Structures at risk 167

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 80

Roadway(s) impacted (miles)

0.65

Scope of Study

Coordinate with agencies and local governments as necessary to develop/update the evacuation plan.

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger.

Estimated Study Cost

Flood Management Evaluati	on (FME) STUE	NY Lower Colorado-Lavaca REGIONAL FLOOD
Title Citywide Drainage Study		PLANNING GROUP
Sponsor (name of entity) San Leanna (Municipality)	ID# 101000086	
Technical committee recommend X Yes No RFPG recomme	end X Yes No Commitmen	t X Yes No
Study Type		
Emergency preparedness x Floodplain modeling, mappi	ing and risk assessment	Feasibility study Preliminary project engineering
Other		
Problem Area	n Slaughter N Creek	
City San Leanna County Travis		
Watershed Slaughter Creek - Onion Creek name(s)	Shady Holld	Ford Oaks
Tributary(ies) Slaughter Creek		
HUC# 1000251,1000244 Stream miles (est.) TBD		Manchaca
Drainage area: square miles, est 2.87 or acreage, est. 1,83	37	Onion Creek
Social vulnerability index 0.15 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)		The share in the
Other Watershed Study	Hays	

The City has multiple local drainage problems and portions of the City are at risk of flooding. The existing risk indicators are based on available data and will be better defined as part of the study. Study 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 114	Structures at risk	49	Critical	facilities at risk 0	
Farm/Ranch land impacted (acres) 98		Roadway(s) impacted (m	iles)	0.40	

Scope of Study

The Citywide 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 \$250,000 Potential funding source(s) TBD

Flood Manag	ement Evaluati	on (FME) _{stui}	REGIONAL FLOOD
Title Review and Update Flood	lain Management Plan		PLANNING GROUP
Sponsor (name of entity) Volent	e (Municipality)	ID# 101000088	
Technical committee recommen	nd X Yes No RFPG recomme	nd X Yes No Commitmer	t X Yes No REGION 10
Study Type			
XEmergency preparednessOther	Floodplain modeling, mappi	ng and risk assessment	Feasibility study Preliminary project engineering
Problem Area		N	
City Volente	County Travis		
Watershed Hurst Creek - Lake name(s)	Travis, Cypress Creek - Lake Travi		
Tributary(ies) Unnamed Tributa	ary	o Vista	S S S S
HUC# 12090205	Stream miles (est.) TBD		
Drainage area: square miles, es	t 2.04 or acreage, est. 1,30	8	2769
Social vulnerability index 0.15 (SVI score 0.0 indicates least vulne	rable; 1.0 indicates most vulnerable.)		the set of
Other Local Plans & Regulation	ons		Hudson Bend

The city is located on the banks of Lake Travis and has numerous houses located in, or adjacent to, the 100-year floodplain. The purpose of this study is to review the city's floodplain management plan.

Population at risk 279

Structures at risk 150

Critical facilities at risk 0 0.20

Farm/Ranch land impacted (acres) 136

Roadway(s) impacted (miles)

Scope of Study

The study would review the existing floodplain management plan and regulations, and make recommendations for improvements such as adopting higher standards and establish an annual review cycle.

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

Flood Manag	gement Evaluati	on (FME) STUD	Y Lower Colorado-Lavaca REGIONAL FLOOD
Title Develop an Emergency Op	perations and Evacuation Plan		PLANNING GROUP
Sponsor (name of entity) Voler	te (Municipality)	ID# 101000089	
Technical committee recomme	nd X Yes No RFPG recomme	nd X Yes No Commitment	X Yes No
Study Type			
x Emergency preparedness	Floodplain modeling, mappi	ng and risk assessment	Feasibility study Preliminary project engineering
Other			
Problem Area		N	
City Volente	County Travis		
Watershed Hurst Creek - Lake name(s)	e Travis, Cypress Creek - Lake Travi		
Tributary(ies) Unnamed Tribut	ary	o Vista	
HUC# 12090205	Stream miles (est.) TBD		
Drainage area: square miles, es	or acreage, est. 1,30	8	2769
Social vulnerability index 0.15 (SVI score 0.0 indicates least vulne	erable; 1.0 indicates most vulnerable.)		The main of the
Other Local Plans & Regulati	ons		Hudson Bend

The Sponsor's evacuation plan(s) are out of date and need to be updated to assist with emergency coordination during a flood event.

Population at risk 279

Structures at risk 150

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 136

Roadway(s) impacted (miles) 0.20

Scope of Study

Coordinate with agencies and local governments as necessary to develop/update the evacuation plan.

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger.

Estimated Study Cost

Cost \$25,000

Flood Management Eval	luation (FME) s	TUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title Various Streets - Upgrade Existing Roadway Crossings		PLANNING GROUP
Sponsor (name of entity) Victoria (Municipality)	ID# 101000090	
Technical committee recommend X Yes No RFPG	recommend X Yes No Commi	tment X Yes No
Study Type		
Emergency preparedness Floodplain modelir	ng, mapping and risk assessment	🗴 Feasibility study 💦 📄 Preliminary project engineering
Other		
Problem Area	N	
City Victoria County Victoria		
Watershed Unnamed Watershed name(s)		
Tributary(ies) Unnamed Tributary		
HUC# 12100204,12100402 Stream miles (est.) TBD	,	
Drainage area: square miles, est 44.61 or acreage, es	st. 28,548	
Social vulnerability index 0.62 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vuln	erable.)	Victoria
Other Roadway/Crossing Improvements		

The Sponsor has indicated there are multiple low water crossings that are undersized and overtop. Proposed improvements include upsizing the culverts. 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) 0.00

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

Flood Manager	nent Evaluation	on (FME) st	Lower Colorado-Lavaca REGIONAL FLOOD
Title Harden City Buildings, Critical	Infrastructure		PLANNING GROUP
Sponsor (name of entity) Victoria (M	Iunicipality)	ID# 101000091	
Technical committee recommend	Yes No RFPG recommen	nd X Yes No Commit	tment X Yes No
Study Type			
Emergency preparedness	Floodplain modeling, mappir	ng and risk assessment	x Feasibility study Preliminary project engineering
Other			
Problem Area		N	
City Victoria	County Victoria		
Watershed Placedo Creek, Marcado name(s)	o Creek - Gracitas Creek		
Tributary(ies) Unnamed Tributary		1 1 1 1 2 A	1 AND
HUC# 12100204,12100402 Str	eam miles (est.) TBD	Str. 24	Victoria
Drainage area: square miles, est 36	.71 or acreage, est. 23,49	93	
Social vulnerability index 0.62 (SVI score 0.0 indicates least vulnerable	; 1.0 indicates most vulnerable.)		
Other Local Plans & Regulations			Call Stand and a little

Numerous city buildings and other critical infrastructure are at risk due to flood damage. The purpose of the study will be to evaluate the existing infrastructure and determine feasibility and costs for increasing resiliency. 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 1,942

Structures at risk 368

Critical facilities at risk 1

Farm/Ranch land impacted (acres) 849

Roadway(s) impacted (miles)

bacted (miles) 0.00

Scope of Study

Perform a feasibility study to determine if some or all of the city infrastructure should be hardened or flood proofed, establish costs, and prioritize improvements.

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost \$100,000 Poter

Flood Management Eval	uation (FM	E) _{study}		olorado-Lavaca	
Title Citywide Drainage Study				ING GROUP	
Sponsor (name of entity) Victoria (Municipality)	ID# 1010	00092	_		
Technical committee recommend X Yes No RFPG r	ecommend X Yes No	Commitment X Ye	es No R	REGION 10	
Study Type					
Emergency preparedness X Floodplain modeling	g, mapping and risk assess	ment Feasik	bility study	Preliminary project enginee	ring
Other					
Problem Area	N	AN LOS			
City Victoria County Victoria					
Watershed Multiple Watersheds name(s)					H
Tributary(ies) Unnamed Tributary			Victoria	and the second	
HUC# 12100204,12100402, Stream miles (est.) TBD					
Drainage area: square miles, est 885.81 or acreage, est	566,920				
Social vulnerability index 0.62 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulner	rable.)				
Other Watershed Study					

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 2,432

Structures at risk 776

Critical facilities at risk 3

Farm/Ranch land impacted (acres) 37,406

Roadway(s) impacted (miles) 0.10

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) TBD

Flood Manager	nent Evaluatic	on (FMF	E) STUDY		Colorado-La	
Title Various Streets - Upgrade Existin	ing Roadway Crossings and Bridges				INING GR	
Sponsor (name of entity) Victoria (Co	ounty)	ID# 101000	0093			001
Technical committee recommend	Yes No RFPG recommend	d X Yes No	Commitment X Y	íes No	REGION 10	
Study Type Emergency preparedness Other	Floodplain modeling, mapping	g and risk assessm	ient x Feasi	ibility study	Preliminary proj	ect engineering
Problem Area		N				
City _{N/A}	County Victoria			5		
Watershed Multiple Watersheds name(s)						
Tributary(ies) Unnamed Tributary			AND A CONTRACTOR	Victo	oria	
HUC# 12100204,12100402, Str	ream miles (est.) TBD	No. 3		$\langle \rangle \langle \rangle$		E the
Drainage area: square miles, est 885	5.81 or acreage, est. 566,92	20				
Social vulnerability index 0.62 (SVI score 0.0 indicates least vulnerable,	; 1.0 indicates most vulnerable.)	1 m				3
Other Roadway/Crossing Improvem	nents			and the		

The Sponsor has indicated there are multiple low water crossings that are undersized and overtop. They have also identified that a number of bridges do not have sufficient hydraulic capacity and should be raised above the base flood elevation. Proposed improvements include upsizing the culverts and elevating bridges. The existing 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 2,432

Structures at risk 776

Critical facilities at risk 3

0.10

Farm/Ranch land impacted (acres) 37,406

Scope of Study

Conduct a study to evaluate upsizing the existing low water crossings and bridges. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-costanalysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Roadway(s) impacted (miles)

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

Flood Management Evalu	nation (FME) study	Lower Colorado-Lavaca REGIONAL FLOOD
Title Identify and Buyout Repetitive Loss Properties		PLANNING GROUP
Sponsor (name of entity) Victoria (County)	ID# 101000095	
Technical committee recommend X Yes No RFPG rec	commend X Yes No Commitment	X Yes No REGION 10
Study Type		
Emergency preparedness Floodplain modeling, Other	, mapping and risk assessment x Fe	easibility study Preliminary project engineering
Problem Area	N	
City N/A County Victoria		
Watershed Multiple Watersheds name(s)		
Tributary(ies) Unnamed Tributary		Victoria
HUC# 12100204,12100402, Stream miles (est.) TBD		
Drainage area: square miles, est 885.81 or acreage, est.	566,920	
Social vulnerability index 0.62 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable)	able.)	
Other Voluntary buyout		

There are multiple flood prone properties that are within the County that are within the 100-year floodplain and subject to repetitive loss. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate voluntary buyouts for future planning cycles.

Population at risk 2,432

Structures at risk 776

Critical facilities at risk 3

Farm/Ranch land impacted (acres) 37,406

Roadway(s) impacted (miles) 0.10

Scope of Study

Perform a feasibility study to determine if some or all of the houses should be elevated or removed.

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.

Estimated Study Cost

Cost \$250,000

Flood Manage	ement Evaluati	on (FMI	E) study		Colorado-L	
Title Harden county buildings, crit	ical infrastructure, and government bu	uildings			NING GR	
Sponsor (name of entity) Victoria	(County)	ID# 10100	00096			
Technical committee recommend	X Yes No RFPG recomme	end X Yes No	Commitment X	Yes No	REGION 10	
Study Type						
Emergency preparedness	Floodplain modeling, mapp	ing and risk assessn	nent x Feas	ibility study	Preliminary pro	oject engineering
Other						
Problem Area		N	The Less		112	IND O
City _{N/A}	County Victoria			5		
Watershed Multiple Watersheds name(s)						H
Tributary(ies) Unnamed Tributary	/			Victor	ria	
HUC# 12100204,12100402,	Stream miles (est.) TBD				SALES SALES	- the
Drainage area: square miles, est	885.81 or acreage, est. 566.	,920			A BARAN	
Social vulnerability index 0.62 (SVI score 0.0 indicates least vulneral	ble; 1.0 indicates most vulnerable.)				Sec. 1	
Other Local Plans & Regulations	ŝ		A State of the	The second	A	

Numerous County buildings and other critical infrastructure are at risk due to flood damage. The purpose of the study will be to evaluate the existing infrastructure and determine the feasibility and costs for increasing resiliency. 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 2,432

Structures at risk 776

Critical facilities at risk 3

Farm/Ranch land impacted (acres) 37,406

110

Roadway(s) impacted (miles) 0.10

Scope of Study

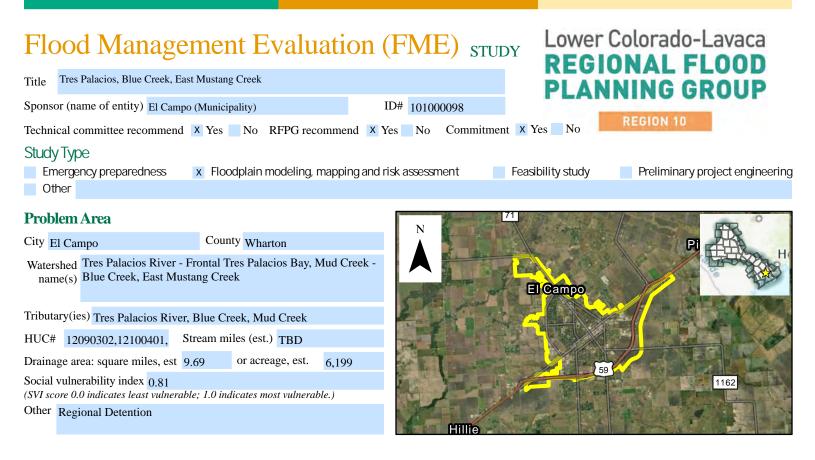
Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility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

Estimated Study Cost

Cost \$100,000



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. There are numerous structures in the 100-year floodplain, particularly in the northeast and southwest sections of the city. The existing 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 4,199

Structures at risk 1.589

Critical facilities at risk 1

Farm/Ranch land impacted (acres) 874

34.72

Scope of Study

Conduct a study to evaluate potential detention alternatives. 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).

Roadway(s) impacted (miles)

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost \$150,000

Flood Manage	ment Evaluati	on (FME) _{stui}	NY Lower Colorado-Lavaca REGIONAL FLOOD
Title Use Digital Maps of All Hazar	rds and Educate Residents		PLANNING GROUP
Sponsor (name of entity) El Campo	o (Municipality)	ID# 101000099	
Technical committee recommend	X Yes No RFPG recommen	nd X Yes No Commitmen	nt X Yes No REGION 10
Study Type			
X Emergency preparedness Other	Floodplain modeling, mappi	ng and risk assessment	Feasibility study Preliminary project engineering
Problem Area		N	
City El Campo	County Wharton		Pi Pi
Watershed Tres Palacios River - name(s) Blue Creek, East Mus		reek -	El Campo
Tributary(ies) Tres Palacios River	, Blue Creek, Mud Creek	2	
HUC# 12090302,12100401, S	tream miles (est.) TBD		
Drainage area: square miles, est	0.69 or acreage, est. 6,199		59
Social vulnerability index 0.81 (SVI score 0.0 indicates least vulnerab	ele; 1.0 indicates most vulnerable.)		1162
Other Local Plans & Regulations		Hillie	

The City has identified the need to generate digital maps to overlay and display all known hazards for the purpose of notifying and informing residents.

Population at risk 4,199

Structures at risk 1,589

Critical facilities at risk 1

Farm/Ranch land impacted (acres) 874

1,509

Roadway(s) impacted (miles) 34.72

Scope of Study

Collect known hazard maps and create a digital map (geographic information system map) for the purpose of education. The study will include evaluating options for sharing the maps publicly and developing an ongoing maintenance/update cycle.

Related Goal(s)

1.1 Increase the number of public outreach and educational communications and activities conducted by the RFPG to improve awareness of flood hazards and benefits of flood planning in the flood planning region.

Flood Management Evaluation	on (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title Pecan Street	PLANNING GROUP
Sponsor (name of entity) El Campo (Municipality)	ID# 101000100
Technical committee recommend X Yes No RFPG recommer	end X Yes No Commitment X Yes No REGION 10
Study Type Emergency preparedness Floodplain modeling, mappin Other	ing and risk assessment x Feasibility study Preliminary project engineering
Problem Area	N El Campo
City El Campo County Wharton	
Watershed Tres Palacios River - Frontal Tres Palacios Bay name(s)	A Rest Nutration St So
Tributary(ies) Unnamed Tributary	agtiso
HUC# 12100401 Stream miles (est.) TBD	Est the second sec
Drainage area: square miles, est 0.00 or acreage, est. 3	W Norris St O
Social vulnerability index 0.81 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	
Other Drainage System Improvements	ta teanst

The Sponsor has indicated the existing stormwater infrastructure in the study area is undersized and the area is at risk of street and local flooding. The existing 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
 O
 Critical facilities at risk

 Farm/Ranch land impacted (acres)
 O
 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

Flood Manag	ement Evaluation	on (FME) _{STUDY}	Lower Colorado-Lavaca REGIONAL FLOOD
Title Town & Country Drive			PLANNING GROUP
Sponsor (name of entity) El Can	npo (Municipality)	ID# 101000101	
Technical committee recommen	d X Yes No RFPG recommer	nd X Yes No Commitment X	X Yes No
Study Type Emergency preparedness Other	Floodplain modeling, mappir	ng and risk assessment 🛛 🗴 Fea	easibility study Preliminary project engineering
Problem Area			
City El Campo	County Wharton		2765
Watershed Tres Palacios River name(s)	- Frontal Tres Palacios Bay		El Campo
Tributary(ies) Unnamed Tributa	ıry		24
HUC# 12100401	Stream miles (est.) TBD		CHA N
Drainage area: square miles, est	0.00 or acreage, est. 2		Ashe St Witharton St
Social vulnerability index 0.81 (SVI score 0.0 indicates least vulner	rable; 1.0 indicates most vulnerable.)		
Other Drainage System Improv	vements		W Norris St

The Sponsor has indicated the existing stormwater infrastructure in the study area is undersized and the area is at risk of street and local flooding. The existing 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 0	Structures at risk 0	Critical	l facilities at risk <mark>0</mark>	
Farm/Ranch land impacted (acres) 0	Ro	oadway(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

Flood N	/Ianageme	nt Evaluat	tion (FM	E) study		Colorado-L ONAL FL	
Title Drainage Sy	vstem Improvements - JC N	Addison Addition				NING GR	
Sponsor (name of	entity) Bastrop (County)		ID# 10100	00103			
Technical commit	tee recommend X Yes	No RFPG recomm	nend X Yes No	Commitment X	Yes No	REGION 10	
Study Type							
Emergency pr	eparedness Flo	oodplain modeling, map	ping and risk assess	ment x Fea	asibility study	Preliminary pro	oject engineering
Other							
Problem Area			Ν			Sec. 1	END O
City _{N/A}	Cou	inty Bastrop		and the second s	1704		
	rger Bend, Colorado Ri Creek - Colorado Rive	ver, Lower Wilbarger C er	Creek, Big	rville			The second se
Tributary(ies) Wil	barger Creek						Carlo Carlo
HUC# 1209030	Stream r	miles (est.) TBD		AS AS	969	Duns	fan
Drainage area: squ	are miles, est 48.24	or acreage, est. 30),874	Deanut		7	L .
Social vulnerabilit (SVI score 0.0 indice		ndicates most vulnerable.)					
Other Drainage S	ystem Improvements					- 64	

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 241

Structures at risk 103

Critical facilities at risk 0 ted (miles) 3.68

Farm/Ranch land impacted (acres) 5,786

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

Flood Manag	ement Evaluation	on (FME) STUDY	Lower Colorado-Lavaca REGIONAL FLOOD
Title Citywide Drainage System	Improvements		PLANNING GROUP
Sponsor (name of entity) Smith	ville (Municipality)	ID# 101000104	
Technical committee recommer	nd X Yes No RFPG recommen	nd X Yes No Commitment	X Yes No REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, mappir	ng and risk assessment x Fe	easibility study Preliminary project engineering
Other			
Problem Area		N	
City Smithville	County Bastrop		
Watershed Willow Creek - Col name(s)	lorado River		
Tributary(ies) Gazley Creek, W	ïllow Creek		
HUC# 12090301	Stream miles (est.) TBD	2571	Smithville
Drainage area: square miles, est	t 4.02 or acreage, est. 2,570		
Social vulnerability index 0.61 (SVI score 0.0 indicates least vulne)	rable; 1.0 indicates most vulnerable.)		A CAR BALL AND COM
Other Drainage System Improv	vements		

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 616

Structures at risk 83

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 335

Roadway(s) impacted (miles)

npacted (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 H

Flood Management Evalua	tion (FME) study	A Lower Colorado-Lavaca REGIONAL FLOOD
Title Update and Maintain Emergency Management Plan		PLANNING GROUP
Sponsor (name of entity) Blanco (County)	ID# 101000105	
Technical committee recommend X Yes No RFPG recom	mend X Yes No Commitment	X Yes No REGION 10
Study Type		
x Emergency preparedness Floodplain modeling, ma Other	apping and risk assessment	Feasibility study Preliminary project engineering
Problem Area	N	
City N/A County Blanco		
Watershed Multiple Watersheds name(s)	Fredericksburg	
Tributary(ies) Unnamed Tributary		
HUC# 12090201,12090205, Stream miles (est.) TBD		
Drainage area: square miles, est 710.98 or acreage, est.	155,029	
Social vulnerability index 0.07 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable)	.)	
Other Local Plans & Regulations		San Marros

The City has identified the need to develop/update an evacuation plan for the safety of the community.

Population at risk 592

Structures at risk 294

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 25,478

Roadway(s) impacted (miles) 5.93

Scope of Study

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

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger.

Estimated Study Cost

Cost \$25,000

Flood Manage	ement Eval	uation (FM	E) _{STUDY}		olorado-Lavaca
Title Various Locations - Upgrade	e Low Water Crossings				NING GROUP
Sponsor (name of entity) Blanco	(County)	ID# 101	000106	I LAN	
Technical committee recommend	d X Yes No RFPG r	recommend X Yes No	Commitment X	Yes No	REGION 10
Study Type					
Emergency preparedness	Floodplain modeline	g, mapping and risk asses	sment x Fea	sibility study	Preliminary project engineering
Other					
Problem Area		N			
City N/A	County Blanco		AL MARINE		
Watershed Multiple Watersheds name(s)			Fredericksburg		
Tributary(ies) Unnamed Tributar	ry		No.	CARLAN IN	
HUC# 12090201,12090205,	Stream miles (est.) TBD				
Drainage area: square miles, est	710.98 or acreage, est	t. 455,029			N. B. M. M. K.
Social vulnerability index 0.07 (SVI score 0.0 indicates least vulnera	able; 1.0 indicates most vulne	erable.)			
Other Roadway/Crossing Impro	vements				San Marcas

The Sponsor has indicated there are multiple low water crossings throughout the County that are undersized and overtop. Proposed improvements include upsizing the culverts. 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 592

Structures at risk 294

Critical facilities at risk 0

Roadway(s) impacted (miles)

Farm/Ranch land impacted (acres) 25,478

Scope of Study

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

5.93

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

Flood Managem	ent Evaluation	on (FME) _{stu}	Lower Colorado-Lavaca REGIONAL FLOOD
Title Citywide Drainage Plan			PLANNING GROUP
Sponsor (name of entity) Johnson City	(Municipality)	ID# 101000107	
Technical committee recommend X	Yes No RFPG recommen	nd X Yes No Commitme	ent X Yes No
Study Type			
Emergency preparedness	Floodplain modeling, mappi	ng and risk assessment	Feasibility study X Preliminary project engineerin
Other			
Problem Area		N	
City Johnson City	County Blanco		
Watershed Pedernales name(s)			
Tributary(ies) Town Creek, Deer Creek	k	and the second	Johnson City
HUC# 12090206 Stream	m miles (est.) 8.50		Blanco
Drainage area: square miles, est 1.80	or acreage, est. 1,15		
Social vulnerability index 0.07 (SVI score 0.0 indicates least vulnerable; 1.	0 indicates most vulnerable.)		0
Other Watershed Study		Star +	

The City has multiple local drainage problems and portions of the City are at risk of flooding from the Pedernales River, Flat Creek, Town Creek, and Deer Creek. 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 394

Structures at risk 48

40

Farm/Ranch land impacted (acres) 67

40

Critical facilities at risk 0

Roadway(s) impacted (miles)

cted (miles) 0.00

Scope of Study

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

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects. 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 Managem	nent Evaluation	on (FME) st	Lower Colorado-Lavaca REGIONAL FLOOD
Title Develop New/Updated Floodplain	n Maps		PLANNING GROUP
Sponsor (name of entity) Johnson City	(Municipality)	ID# 101000108	
Technical committee recommend X	Yes No RFPG recommen	nd X Yes No Commit	tment X Yes No REGION 10
Study Type			
Emergency preparedness x	Floodplain modeling, mappi	ng and risk assessment	Feasibility study Preliminary project engineering
Other			
Problem Area		N	
City Johnson City	County Blanco		
Watershed Towhead Creek - Pederna name(s) Pedernales River	lles River, Cottonwood Creek		
Tributary(ies) Town Creek		and the second	Johnson City
HUC# 12090206 Strea	am miles (est.) TBD		Blaneo
Drainage area: square miles, est 1.80	or acreage, est. 1,15		
Social vulnerability index 0.07 (SVI score 0.0 indicates least vulnerable;	1.0 indicates most vulnerable.)		0
Other Watershed Study			S S S S S S S S S S S S S S S S S S S

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

Population at risk 394

Structures at risk 48

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 67

- - -

Roadway(s) impacted (miles) 0.00

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

Flood Management	Evaluation	n (FME)	STUDY		olorado-La	
Title CR 332 Drainage Improvements					NING GR	
Sponsor (name of entity) Sweeny (Municipality)		ID# 1010001	09			001
Technical committee recommend X Yes N	No RFPG recommend	X Yes No C	Commitment X Ye	s No	REGION 10	
Study Type Emergency preparedness Other	ain modeling, mapping ar	nd risk assessmer	nt x Feasib	ility study	Preliminary proj	ect engineering
Problem Area		N				NR O
City Sweeny County E	Brazoria		Old Oc	cean		
Watershed East Matagorda Bay, Bell Creek - S name(s)	San Bernard River					H
Tributary(ies) Cedar Lake Creek				E State	Sweeny	at to
HUC# 12090402,12090401 Stream miles	(est.) TBD	and the second	3	21		
Drainage area: square miles, est 0.21 or	acreage, est. 137	-			524	- Halles
Social vulnerability index 0.21 (SVI score 0.0 indicates least vulnerable; 1.0 indicates	tes most vulnerable.)			The second		
Other Drainage System Improvements		20	0-9 :		Call Col	216

The Sponsor has indicated the existing stormwater infrastructure on CR322 is undersized. 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 16	5	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.

Flood Management Evalua	tion (FME) study	Lower Colorado-Lavaca REGIONAL FLOOD
Title Various Culverts Along Stevenson Slough		PLANNING GROUP
Sponsor (name of entity) Sweeny (Municipality)	ID# 101000110	
Technical committee recommend X Yes No RFPG recom	mend X Yes No Commitment	X Yes No REGION 10
Study Type Emergency preparedness Floodplain modeling, ma Other	apping and risk assessment x F	easibility study Preliminary project engineering
Problem Area	N	
City Sweeny County Brazoria		
Watershed East Matagorda Bay, Bell Creek - San Bernard Rive name(s)		locean
Tributary(ies) Unnamed Tributary	· · · · · · · · · · · · · · · · · · ·	
HUC# 12090402,12090401 Stream miles (est.) TBD		524
Drainage area: square miles, est 3.08 or acreage, est.	,973	
Social vulnerability index 0.61 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	Sweeny 321
Other Roadway/Crossing Improvements		524

The Sponsor has indicated there are multiple low water crossings in Stevenson Slough that are undersized and overtop. Proposed improvements include upsizing the culverts. 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 risk296Structures at risk205Critical facilities at risk0Farm/Ranch land impacted (acres)335Roadway(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).

Flood Managem	ent Evaluation	on (FME)	STUDY		Colorado-Lavaca
Title Adopt Flood Insurance Rate Maps					NING GROUP
Sponsor (name of entity) Brownwood ((Municipality)	ID# 10100011	1		
Technical committee recommend X	Yes No RFPG recommen	nd X Yes No Co	ommitment X Ye	es No	REGION 10
Study Type					
Emergency preparedness x	Floodplain modeling, mappir	ng and risk assessment	t Feasib	ility study	Preliminary project engineerin
Other					
Problem Area		N	DJUN	viiwood	
City Brownwood	County Brown			RES VIZ	
Watershed Elm Creek - Pecan Bayou name(s) Delaware Creek - Pecan B		u,			The second secon
Tributary(ies) Unnamed Tributary		A MAR		Bro	wnwood
HUC# 12090107 Strea	m miles (est.) TBD				
Drainage area: square miles, est 14.82	2 or acreage, est. 9,482	2		Sec.	
Social vulnerability index 0.28 (SVI score 0.0 indicates least vulnerable; 1	.0 indicates most vulnerable.)	一一次	4. 12		
Other Watershed Study		国州	A SI		

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

Population at risk 4,826

Structures at risk 1,220

5k 1,220

Farm/Ranch land impacted (acres) 1,404

Roadway(s) impacted (miles) 29.44

Critical facilities at risk 2

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

Flood Management Evalu	ation (FME) STUDY	Lower Colorado-Lavaca REGIONAL FLOOD
Title Willis Creek Detention		PLANNING GROUP
Sponsor (name of entity) Brownwood (Municipality)	ID# 101000112	
Technical committee recommend X Yes No RFPG reco	ommend X Yes No Commitment	Yes No
Study Type Emergency preparedness Floodplain modeling, r Other	mapping and risk assessment x Fe	asibility study Preliminary project engineering
Problem Area		Brownwood
City Brownwood County Brown	N 67	
Watershed Pecan Bayou name(s)		
Tributary(ies) Willis Creek	12.73	
HUC# 12090106,12090107 Stream miles (est.) 13.00		45
Drainage area: square miles, est 26.81 or acreage, est.	17,161	
Social vulnerability index 0.28 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerab	ble.)	Camp Bowie
Other Regional Detention	1. 10000	

The area of concern along Willis Creek has insufficient channel capacity and undersized bridge/culvert crossings. The area has experienced excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion. 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 2,415 Structures at risk 758 Roadway(s) impacted (miles)

Critical facilities at risk 1

Farm/Ranch land impacted (acres) 1,350

14.13

Scope of Study

The study will build upon and update previously conducted flood risk reduction studies. Study will include hydrologic and hydraulic modeling, preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

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

Estimated Study Cost

Cost \$250,000

Flood Manageme	ent Evaluati	on (FM	E) study	V	r Colorado-l IONAL FL	
Title Sandy Oaks Subdivision					NNING GF	
Sponsor (name of entity) Colorado (Coun	ty)	ID# 10100	00118			
Technical committee recommend X Ye	es No RFPG recomme	nd X Yes No	Commitment	X Yes No	REGION 10	
Study Type						
Emergency preparedness	loodplain modeling, mappi	ng and risk assessr	ment x	Feasibility study	Preliminary pr	oject engineering
Other						
Problem Area		Ν		\wedge	14. S.C. /	
City _{N/A} Co	ounty Colorado		A Contraction		Contraction of the	
Watershed Multiple Watersheds name(s)						H
Tributary(ies) Unnamed Tributary						R
HUC# 12090302,12090401, Stream	miles (est.) TBD					Ro
Drainage area: square miles, est 970.58	or acreage, est. 621,	174				
Social vulnerability index 0.53 (SVI score 0.0 indicates least vulnerable; 1.0	indicates most vulnerable.)	S.			Sile What	
Other Watershed Study						

The subdivision has multiple local drainage problems and portions of the subdivision are at risk of 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 3.616

Structures at risk 2,103

Farm/Ranch land impacted (acres) 105.662

at risk 2,103

Critical facilities at risk 6 (miles) 118.81

Scope of Study

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

Roadway(s) impacted (miles)

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) TBD

Flood Manager	nent Evaluati	on (FME) s		Colorado-Lavaca
Title Frisch Auf Buyout				NING GROUP
Sponsor (name of entity) Fayette (Co	unty)	ID# 101000119		
Technical committee recommend	Yes No RFPG recomme	nd X Yes No Comm	nitment X Yes No	REGION 10
Study Type				
Emergency preparedness	Floodplain modeling, mappi	ng and risk assessment	x Feasibility study	Preliminary project engineering
Other				
Problem Area		N		
City _{N/A}	County Fayette			
Watershed Lower Buckners Creek name(s)				
Tributary(ies) Unnamed Tributary				
HUC# 12090301,12100102 Stre	eam miles (est.) TBD		CALLER CLERE	State of the second
Drainage area: square miles, est 54.	14 or acreage, est. 34,6	49		A CARLES AND
Social vulnerability index 0.11 (SVI score 0.0 indicates least vulnerable;	: 1.0 indicates most vulnerable.)			
Other Voluntary buyout		代品家	MALL SALE	

There are multiple flood prone properties that are within the 100-year floodplain may be subject to repetitive loss.

Population at risk 85

Structures at risk 91

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 5,823

Roadway(s) impacted (miles) 4.00

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14) to identify/verify eligible property owners and if the properties should be elevated or removed.

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.

Estimated Study Cost

Cost \$100,000

Flood Managen	nent Evaluation	on (FME) stue	VY Lower Colorado-Lavaca REGIONAL FLOOD
Title Flood Proof Wastewater Treatme	ent Plants		PLANNING GROUP
Sponsor (name of entity) Flatonia (M	unicipality)	ID# 101000120	
Technical committee recommend X	Yes No RFPG recommer	nd X Yes No Commitmen	X Yes No
Study Type			
Emergency preparedness	Floodplain modeling, mappir	ng and risk assessment x	Feasibility study Preliminary project engineering
Other			
Problem Area		N	95
City Flatonia	County Fayette	A State	
Watershed Mulberry Creek - West M name(s)	Navidad River		
Tributary(ies) Unnamed Tributary			
HUC# 12100202,12100102 Stree	eam miles (est.) TBD	and the second	Par Carlatonia
Drainage area: square miles, est 1.6'	7 or acreage, est. 1,071	90	
Social vulnerability index 0.11 (SVI score 0.0 indicates least vulnerable;	1.0 indicates most vulnerable.)		Praha
Other Local Plans & Regulations		41	

The wastewater treatment plant experiences flooding during low frequency rain events. The Sponsor has identified the need to floodproof the existing wastewater treatment plant. Study results will provide a more detailed assessment of existing flood and potential flood risk. Study will determine if flood proofing will provide mitigation required or if structural mitigation will be required.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

.

Roadway(s) impacted (miles) 0.00

Scope of Study

If structural flood mitigation, other than flood proofing, is required then the 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

Flood Management E	Evaluation (FM	STUDY -	r Colorado-Lavaca
Title Various Streets - Install Flood Early Warning Sy	/stems		NNING GROUP
Sponsor (name of entity) Fort Bend (County)	ID# 10100		
Technical committee recommend X Yes No	RFPG recommend X Yes No	Commitment X Yes No	REGION 10
Study Type			
Emergency preparedness Floodplain	modeling, mapping and risk assess	ment x Feasibility study	Preliminary project engineering
Other			
Problem Area	N		
City _{N/A} County _{Fort}	Bend		
Watershed Multiple Watersheds name(s)			Sugar Lanc
Tributary(ies) Unnamed Tributary			senberg
HUC# 12090401,12070104 Stream miles (est	t.) TBD		MARCE SALES
Drainage area: square miles, est 882.72 or acr	reage, est. 564,943		
Social vulnerability index 0.09 (SVI score 0.0 indicates least vulnerable; 1.0 indicates m	nost vulnerable.)	and a	
Other Install Flood Early Waning System	4		

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

Population at risk 628

Structures at risk 582

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 15,359

Roadway(s) impacted (miles)

cted (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., 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 \$150,000

Flood Management Evaluation	on (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title Carriage Hills	PLANNING GROUP
Sponsor (name of entity) Fredericksburg (Municipality)	ID# 101000122
Technical committee recommend X Yes No RFPG recommer	end X Yes No Commitment X Yes No REGION 10
Study Type Emergency preparedness Floodplain modeling, mappin Other	ing and risk assessment 📃 Feasibility study 🛛 🗙 Preliminary project engineering
Problem Area	
City Fredericksburg County Gillespie	
Watershed Barons Creek name(s)	
Tributary(ies) Unnamed Tributary	
HUC# 1000276,1000275,10 Stream miles (est.) TBD	
Drainage area: square miles, est 11.67 or acreage, est. 7,466	6 Fredericksburg
Social vulnerability index 0.1 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.) Other Channel Improvements	

The area of concern lacks a storm drain system and stormwater is conveyed via streets. The area is subject to localized flooding and channel erosion. The city has identified local drainage improvements including adding curbs, constructing a new channel, increasing the capacity of an existing pond, and replacing the pond outlet structure. 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 491

Structures at risk 138

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 409

150

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.

Estimated Study Cost

Flood Management Evaluat	ion (FME) STUDY	Lower Colorado-Lavaca REGIONAL FLOOD
Title Post Oak Subdivision		PLANNING GROUP
Sponsor (name of entity) Fredericksburg (Municipality)	ID# 101000123	
Technical committee recommend X Yes No RFPG recomm	nend X Yes No Commitment	X Yes No REGION 10
Study Type		
Emergency preparedness Floodplain modeling, map	ping and risk assessment	Feasibility study X Preliminary project engineering
Other		
Problem Area	N	
City Fredericksburg County Gillespie	a state	100 10 10 10 10 10 10 10 10 10 10 10 10
Watershed Muesebach Creek - Pedernales River name(s)	A illespie	
Tributary(ies) Unnamed Tributary		16
HUC# 1000276,1000275,10 Stream miles (est.) TBD	The North	
Drainage area: square miles, est 11.67 or acreage, est. 7,4	166	Fredericksburg
Social vulnerability index 0.1 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)		A CARE AND
Other Roadway/Crossing Improvements / Channel Improvement	s	

The existing crossing is undersized and overtops. The proposed improvements include improving the channel, raising the road, and adding multi-box (6) culvert. The existing road is a 2-lane road with an average daily traffic count of 265. 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 risk491Structures at risk138Critical facilities at riskFarm/Ranch land impacted (acres)409Roadway(s) impacted (miles)0.00

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)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Flood Manag	gement Evalu	uation (FM	E) study		Colorado-L	
Title Alum Creek - Tributary 8,	Bowie Drive				NING GR	
Sponsor (name of entity) Bastro	op (County)	ID# 1010	000125			
Technical committee recomme	nd X Yes No RFPG re	commend X Yes No	Commitment X	Yes No	REGION 10	
Study Type Emergency preparedness Other	Floodplain modeling), mapping and risk assess	ment Feas	sibility study	x Preliminary pro	ject engineering
Problem Area		N			1000	ETR O
City N/A	County Bastrop		2		STATISTICS F	
Watershed Alum Creek name(s)						
Tributary(ies) Price Creek				la l <mark>h h</mark>	Jan Strange	100
HUC# 12090301	Stream miles (est.) TBD	7	1441			AL MARCE
Drainage area: square miles, es	t 0.67 or acreage, est.	428				
Social vulnerability index 0.61 (SVI score 0.0 indicates least vulne	erable; 1.0 indicates most vulner					
Other Roadway/Crossing Imp	rovements	Bastr	op	21		THE R

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

uctures at fisk 0

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

Flood Managem	nent Evaluation	on (FME) stud	REGIONAL FLOOD
Title Flood Proofing Repetitive Loss St	tructures		PLANNING GROUP
Sponsor (name of entity) Mountain Cit	ty (Municipality)	ID# 101000126	
Technical committee recommend X	Yes No RFPG recommer	nd X Yes No Commitment	X Yes No
Study Type			
Emergency preparedness	Floodplain modeling, mappir	ng and risk assessment 🛛 🗙	Feasibility study Preliminary project engineering
Other			
Problem Area		N	
City Mountain City	County Hays		
Watershed Mustang Branch - Onion name(s)	Creek		
Tributary(ies) Unnamed Tributary			
HUC# 12090205,12100203 Strea	am miles (est.) TBD	50	Mountain City
Drainage area: square miles, est 0.42	or acreage, est. 268	and the second second	
Social vulnerability index 0.17 (SVI score 0.0 indicates least vulnerable;	1.0 indicates most vulnerable.)	A MASS	
Other Local Plans & Regulations			150

The project area is adjacent to the 100-year floodplain and contains multiple repetitive loss structures. The Sponsor has identified the need to flood proof repetitive loss structures (unspecified number and type) to prevent additional/future flood loss.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles) 0.00

Scope of Study

Study will develop project costs and repetitive loss structures. The study 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.

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.

Estimated Study Cost

Cost \$50,000

Flood Management Evaluati	on (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title Wastewater Treatment Plant Floodproofing	PLANNING GROUP
Sponsor (name of entity) Edna (Municipality)	ID# 101000127
Technical committee recommend X Yes No RFPG recomme	nd X Yes No Commitment X Yes No REGION 10
Study Type Emergency preparedness Floodplain modeling, mapping Other	ng and risk assessment 🛛 🗴 Feasibility study 📄 Preliminary project engineering
Problem Area	822
City Edna County Jackson	
Watershed Post Oak Branch - Dry Creek name(s)	
Tributary(ies) Dry Creek, Post Oak Branch	Edna
HUC# 12100101,12100102 Stream miles (est.) TBD	
Drainage area: square miles, est 4.06 or acreage, est. 2,60	Jackson
Social vulnerability index 0.51 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.) Other Local Plans & Regulations	El Toro 1822 3131

The wastewater treatment plant experiences flooding during low frequency rain events. The Sponsor has identified the need to floodproof the existing wastewater treatment plant. Study results will provide a more detailed assessment of existing flood and potential flood risk. Study will determine if flood proofing will provide mitigation required or if structural mitigation will be required.

Population at risk1,908Structures at risk1,223Critical facilities at risk2Farm/Ranch land impacted (acres)137Roadway(s) impacted (miles)26.26

Scope of Study

If structural flood mitigation, other than flood proofing, is required then the 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.

Flood Management	t Evaluatio	on (FMI	E) STUDY		Colorado-L	
Title City Hall Hardening and Safe Room					NING GR	
Sponsor (name of entity) Ganado (Municipality	7)	ID# 10100	0128			
Technical committee recommend X Yes	No RFPG recommend	X Yes No	Commitment X	Yes No	REGION 10	
Study Type Emergency preparedness Floodp Other	blain modeling, mapping	and risk assessm	ient x Feas	sibility study	Preliminary pr	oject engineering
Problem Area		N				ETC O
City Ganado County	Jackson			710		
Watershed Devers Creek - Mustang Creek name(s)						H
Tributary(ies) Unnamed Tributary				Ganado		TANK T
HUC# 12100102 Stream miles	s (est.) TBD		the file	27/2	and the	AR OF
Drainage area: square miles, est 0.00 o	or acreage, est. 0	a vertilation			172	A
Social vulnerability index 0.51 (SVI score 0.0 indicates least vulnerable; 1.0 indicates	ates most vulnerable.)	22	59		A A ANT	
Other Local Plans & Regulations					11772	A AC

The current facility is located adjacent to the 100-year floodplain. The study will investigate the cost level of effort for hardening and the addition of a safe room.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

acted (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)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger. 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.

Estimated Study Cost

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

Flood Manager	nent Evaluat	ion (FME) stud	Y	olorado-Lavaca
Title Palmetto Bend Spillway				ING GROUP
Sponsor (name of entity) Jackson (C	ounty)	ID# 101000129		
Technical committee recommend	Yes No RFPG recomm	end X Yes No Commitment	X Yes No	REGION 10
Study Type				
Emergency preparedness	Floodplain modeling, mapp	bing and risk assessment X	Feasibility study	Preliminary project engineering
Other				
Problem Area		N		
City _{N/A}	County Jackson	化 不成 法法	CAL STORY	
Watershed Chicolete Creek - Navio name(s)	lad River	1822		Lake Texa
Tributary(ies) Navidad River		S DALLER S		1593
HUC# 12100102 Str	ream miles (est.) 0.00	Provides	S NA	3131
Drainage area: square miles, est 0.1	or acreage, est. 79			
Social vulnerability index 0.51 (SVI score 0.0 indicates least vulnerable	; 1.0 indicates most vulnerable.)	6 HAR		
Other Dam Improvements		a selled a	1-12- 1-/	

Lake Texana is a large earthen embankment dam with a multiple-gate concreate spillway that is traversed by FM 3131. The dam has limited ability to quickly deploy/install stop-logs in front of the gates in an emergency and has identified the need to develop an emergency stop log deployment system. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 13

Roadway(s) impacted (miles) 0.10

Scope of Study

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

Related Goal(s)

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

Flood Manag	gement Evaluation	on (FME) STUD	Y Lower Colorado-Lavaca REGIONAL FLOOD
Title Relocate Fire Department	Building		PLANNING GROUP
Sponsor (name of entity) Lland	o (County)	ID# 101000130	
Technical committee recomme	nd X Yes No RFPG recommen	nd X Yes No Commitment	X Yes No
Study Type Emergency preparedness Other	Floodplain modeling, mappi	ng and risk assessment x	Feasibility study Preliminary project engineering
Problem Area			
City _{N/A}	County Llano		2545
Watershed Peters Creek - Lak name(s)	e Lyndon B Johnson		
Tributary(ies) Unnamed Tribut	ary		Kingsland
HUC# 12090201	Stream miles (est.) TBD		
Drainage area: square miles, es	or acreage, est. 1	W AN	
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulne Other Local Plans & Regulati	erable; 1.0 indicates most vulnerable.)		

The Kingsland Volunteer Fire Department is located within the 100-year floodplain. The study will investigate possible sites and cost for relocation and may include the need to extend floodplain models upstream to verify the new location is outside the floodplain.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

s) 0

Roadway(s) impacted (miles) 0.00

Scope of Study

The siting study will focus on finding a suitable location for the new facility. Depending on the location the study may 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.

Estimated Study Cost

Cost \$250,000 Pote

Flood Manage	emen	ıt Evalu	atior	n (FMI	E) STUD	Y	er Colorado	
Title Police Station Relocation and	l Safe Room	1					NNING	
Sponsor (name of entity) Palacios	(Municipal	ity)		ID# 10100	0131			
Technical committee recommend	X Yes	No RFPG reco	ommend	X Yes No	Commitment	X Yes No	REGION 10	
Study Type								
Emergency preparedness	Floor	dplain modeling, r	mapping a	and risk assessm	nent x	Feasibility study	Preliminar	y project engineering
Other								
Problem Area				N		ER WILL		DR O
City Palacios	Count	y Matagorda						
Watershed Tres Palacios River - name(s)	Frontal Tr	es Palacios Bay						H
Tributary(ies) Unnamed Tributar	у					35 Pala	aciós	Autor
HUC# 12100401	Stream mil	les (est.) TBD				E		
Drainage area: square miles, est	0.00	or acreage, est.	1	面儿				
Social vulnerability index 0.84 (SVI score 0.0 indicates least vulneration)	ble; 1.0 indi	icates most vulnerał	ole.)				- (2)	
Other Local Plans & Regulation	5					1 15		

The police station is located within the 100-year floodplain. The study will investigate possible sites and cost for relocation and addition of a safe room and may include the need to extend floodplain models upstream to verify the new location is outside the floodplain.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

De

Roadway(s) impacted (miles) 0.00

Scope of Study

The siting study will focus on finding a suitable location for the new facility. Depending on the location the study may 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.

Estimated Study Cost

Cost \$250,000 F

Flood Management Evaluation	tion (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title Highway 36	PLANNING GROUP
Sponsor (name of entity) Jones Creek (Municipality)	ID# 101000136
Technical committee recommend X Yes No RFPG recommend	nend X Yes No Commitment X Yes No REGION 10
Study Type Emergency preparedness Other	pping and risk assessment Feasibility study X Preliminary project engineering
Problem Area	
City Jones Creek County Brazoria	
Watershed Mound Creek, Bell Creek name(s)	Angleton
Tributary(ies) Unnamed Tributary	
HUC# 12090401,12070104 Stream miles (est.) TBD	
Drainage area: square miles, est 34.20 or acreage, est. 21,	,890 Lake Jackson
Social vulnerability index 0.21 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	Bay City
Other Roadway/Crossing Improvements / Channel Improvements	ts

The existing crossings are undersized and overtop. The proposed improvements include widening roadside ditches and upsizing the existing cross culverts. The existing road is a 4-lane highway with an average daily traffic count of 18,407. 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 risk1,420Structures at risk999Critical facilities at risk3Farm/Ranch land impacted (acres)2,547Roadway(s) impacted (miles)23.10						
Farm/Ranch land impacted (acres)2,547Roadway(s) impacted (miles)23.10	Population at risk 1,420	Structures at risk	s 999	Critical	facilities at risk <mark>3</mark>	3
	Farm/Ranch land impacted (acres)	2,547	Roadway(s) impacted	l (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).

Flood Manag	gement Evaluati	on (FME) _{STUD}	Y Lower Colorado-Lavaca REGIONAL FLOOD
Title CR257 at Pecan Bayou (T	enmile Crossing)		PLANNING GROUP
Sponsor (name of entity) Brow	/n (County)	ID# 101000137	
Technical committee recomme	end X Yes No RFPG recomme	nd X Yes No Commitment	X Yes No REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, mappi	ng and risk assessment X	Feasibility study Preliminary project engineering
Other			
Problem Area		N	
City _{N/A}	County Brown	2126	
Watershed Double Creek - Pe name(s)	can Bayou		
Tributary(ies) Pecan Bayou		A PARTY	
HUC# 1000399	Stream miles (est.) TBD		
Drainage area: square miles, e	st 2.23 or acreage, est. 1,42	8	
Social vulnerability index 0.28 (SVI score 0.0 indicates least vulnerability)	erable; 1.0 indicates most vulnerable.)	Camp I	Bowie
Other Roadway/Crossing Imp	provements / Channel Improvements	45	Contraction of the second

The existing bridge is undersized and overtops. The proposed improvements will upgrade the bridge based on the Texas Department of Transportation Hydraulic Design Manual. The existing road is a 2-lane road with an average daily traffic count of 175. 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 ris	< 0	Critical	facilities at risk 0	
Farm/Ranch land impacted (acres)	1,171	Roadway(s) impacted	l (miles)	0.59	

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).

Flood Management	Evaluation (F	ME) _{STUDY}	Lower Colorado	
Title Dam Emergency Action Plan			PLANNING (
Sponsor (name of entity) Burnet (Municipality)		101000138		KOOI
Technical committee recommend X Yes No	o RFPG recommend X Yes	No Commitment X Ye	es No REGION 10	
Study Type				
x Emergency preparedness Floodplai Other	in modeling, mapping and risk a	assessment Feasik	pility study Preliminar	y project engineering
Problem Area	Г	N		
City Burnet County Bu	urnet	2341	Burnet	
Watershed Clear Creek - Inks Lake, Headwater name(s)	rs Hamilton Creek		Burnet	H
Tributary(ies) Unnamed Tributary		PARA	A A A A A A	
HUC# 12090201,12090205, Stream miles (6	est.) TBD	The second second	Gandy	Constant of
Drainage area: square miles, est 10.79 or a	acreage, est. 6,906		- Contraction	
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulnerable; 1.0 indicates	<i>,</i>	Longhorn		Oatme
Other Local Plans & Regulations		Longhorn Cavern	S RUL R	

The Sponsor has identified the need to develop/update an emergency action plan for the safety of the community.

Population at risk 514

Structures at risk 187

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 589

Roadway(s) impacted (miles) 4.18

Scope of Study

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

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger.

Estimated Study Cost

Cost \$50,000

Flood Manag	gement Evalua	ation (FM	E) study		Colorado-La	
Title City of Buda Garlic Creek Culvert					NING GR	
Sponsor (name of entity) Buda (Municipality)		ID# 10100	00153			
Technical committee recommen	nd X Yes No RFPG recor	mmend X Yes No	Commitment X Y	es No	REGION 10	
Study Type						
Emergency preparedness	Floodplain modeling, m	apping and risk assess	nent x Feasi	bility study	Preliminary proje	ect engineering
Other						
Problem Area		Ν		100		0
City Buda	County Hays					
Watershed Mustang Branch - (name(s)			Hays		35	
Tributary(ies) Garlic Creek				967		
HUC# 12090205	Stream miles (est.) TBD					26/201
Drainage area: square miles, es	t 4.42 or acreage, est.	2,831	Seat Sea	A A		
Social vulnerability index 0.17 (SVI score 0.0 indicates least vulne	erable; 1.0 indicates most vulnerable	e.)		a Care	Buda	Le com
Other Roadway/Crossing Impr	rovements & Channel Improven	nents			C L C C C C C C C C C C C C C C C C C C	

The existing culvert on RM967 near Garlic Creek is undersized and the roadway overtops. The existing box culvert was not upgraded when the road was reconstructed. The study will evaluate the crossing for possible upsizing of the culvert. The existing road is a 2-lane road with an average daily traffic count of 17,400. 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 17

Structures at risk 16

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 195

10

Roadway(s) impacted (miles) 0.38

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)

6.1 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

Flood Manag	gement Evaluation	on (FME) stud	V Lower Colorado-Lavaca REGIONAL FLOOD				
Title Taylor Lane Drainage Imp	rovements		PLANNING GROUP				
Sponsor (name of entity) Elgin (Municipality)		ID# 101000155					
Technical committee recomme	nd X Yes No RFPG recommen	nd X Yes No Commitment	X Yes No				
Study Type							
Emergency preparedness	5 51						
Other							
Problem Area		N	95				
City Elgin	County Bastrop						
Watershed Elm Creek - Dry C name(s) Creek - Big Sandy	Creek, Little Sandy Creek, Little Sand Creek						
Tributary(ies) Burlson Creek		1100	3000				
HUC# 12090301	Stream miles (est.) TBD	0 E	Elgin				
Drainage area: square miles, es	st 2.09 or acreage, est. 1,340						
Social vulnerability index 0.61 (SVI score 0.0 indicates least vulne	erable; 1.0 indicates most vulnerable.)	A A A A A A	1 Contraction of the second				
Other Roadway/Crossing Imp	provements & Channel Improvements	A A A	Us.20 Bt				

The sponsor has indicated the existing stormwater infrastructure in the study area (northeastern part of the City) 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 50

Structures at risk 14

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 112

14

Roadway(s) impacted (miles) 0.18

Scope of Study

Conduct a study to evaluate the study 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

Flood Management Ev	valuation (FMI		Colorado-Lavaca
Title Storm Water Detention at Morris Park			NNING GROUP
Sponsor (name of entity) Elgin (Municipality)	ID# 101000		
Technical committee recommend X Yes No RE	FPG recommend X Yes No	Commitment X Yes No	REGION 10
Study Type			
	deling, mapping and risk assessm	nent Feasibility study	X Preliminary project engineering
Other			
Problem Area	Ν		
City Elgin County Bastrop		Mai Don 1.8	
Watershed Little Sandy Creek name(s)		1100	3000
Tributary(ies) Unnamed Tributary		Elgin	M. THERE
HUC# 1000509,1000505,10 Stream miles (est.)	ГBD		
Drainage area: square miles, est 1.62 or acreag	ge, est. 1,036		A 42 44
Social vulnerability index 0.61 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most	vulnerable.)	ASS IN TAN	US.290 8
Other Regional Detention		A A A A	95

The City has identified the need for additional stormwater storage to reduce the flood risk to the surrounding areas. 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 209

Structures at risk 66

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 15

00

Roadway(s) impacted (miles) 0.77

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.

Flood Management Evaluat	tion (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title Citywide Storm Drain Infrastructure Modeling	PLANNING GROUP
Sponsor (name of entity) Austin (Municipality)	ID# 101000158
Technical committee recommend X Yes No RFPG recomm	nend X Yes No Commitment X Yes No REGION 10
Study Type	
Emergency preparedness X Floodplain modeling, map	ping and risk assessment 💦 Feasibility study 👘 Preliminary project engineering
Other	
Problem Area	Round Rock
City Austin County Travis	
Watershed Multiple Watersheds name(s)	
Tributary(ies) Unnamed Tributary	
HUC# 12090205,12070205, Stream miles (est.) TBD	Austin
Drainage area: square miles, est 279.33 or acreage, est. 17	8,771
Social vulnerability index 0.15 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	
Other Drainage System Improvements	

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

Population at risk 45.817

Structures at risk 5,694

Critical facilities at risk 10

Farm/Ranch land impacted (acres) 7,306

Roadway(s) impacted (miles)

acted (miles) 111.76

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 \$12,600,000 Potential funding source(s) TBD

Flood Management Evaluat	tion (FME) STUDY	Lower Colorado-Lavaca REGIONAL FLOOD
Title Wastewater Treatment Plant Flood Study		PLANNING GROUP
Sponsor (name of entity) Burnet (Municipality)	ID# 101000159	
Technical committee recommend X Yes No RFPG recomm	mend X Yes No Commitment	X Yes No REGION 10
Study Type Emergency preparedness Floodplain modeling, map Other	oping and risk assessment x F	easibility study Preliminary project engineering
Problem Area		
City Burnet County Burnet	N	Burnet
Watershed Headwaters Hamilton Creek name(s)		
Tributary(ies) Hamilton Creek	AL PERSONAL	THE STANKS
HUC# 12090205 Stream miles (est.) TBD		
Drainage area: square miles, est 0.06 or acreage, est. 3		Gandy
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)		
Other Watershed Study	The Addition	Karla and a second

The plant is located within, and may be impacted by, the 100-year floodplain of Hamilton Creek and/or Headwaters of Hamilton Creek. The area has existing local drainage problems and has experienced excessive flow depth and velocity. The existing 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 3	Structures at risk	Cri	tical facilities at risk 0	
Farm/Ranch land impacted (acres)	12	Roadway(s) impacted (mile	s) 0.15	

Scope of Study

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

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas and flood risk reduction measures (e.g., alternatives analysis and preliminary engineering). 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

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

Flood Management Evaluati	on (FME) STUD	REGIONAL FLOOD
Title Delaware Creek Flood Study		PLANNING GROUP
Sponsor (name of entity) Brownwood (Municipality)	ID# 101000160	
Technical committee recommend X Yes No RFPG recomme	end X Yes No Commitment	X Yes No REGION 10
Study Type		
Emergency preparedness x Floodplain modeling, mappi	ing and risk assessment	Feasibility study Preliminary project engineering
Other		
Problem Area	Nownwood	
City Brownwood County Brown		
Watershed Delaware Creek - Pecan Bayou name(s)	Brown	877
Tributary(ies) Delaware Creek		
HUC# 12090107 Stream miles (est.) TBD		Early 1467
Drainage area: square miles, est 10.50 or acreage, est. 6,71	8 Brownwo	od bo
Social vulnerability index 0.28 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)		84
Other Watershed Study		590

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. 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 74

Structures at risk 54

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 760

51

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)

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 Potenti

Flood Manager	ment Evaluation	on (FME) study	V	olorado-Lavaca NAL FLOOD
Title VFW Flood Study				ING GROUP
Sponsor (name of entity) Burnet (M	unicipality)	ID# 101000161		
Technical committee recommend	X Yes No RFPG recommer	nd X Yes No Commitment	X Yes No	REGION 10
Study Type				
Emergency preparedness	Floodplain modeling, mappir	ng and risk assessment x	Feasibility study	Preliminary project engineering
Other				
Problem Area		N		
City Burnet	County Burnet		Comment The second	
Watershed Headwaters Hamilton (name(s)	Creek		Res2	S
Tributary(ies) Unnamed Tributary			THE TRACT	A MERICE MERIC
HUC# 12090205 Str	ream miles (est.) TBD		A LESS	Burnet
Drainage area: square miles, est 0.	00 or acreage, est. 1	1 marsh		
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulnerable	e; 1.0 indicates most vulnerable.)			N/ Park
Other Watershed Study				12 A BAR

The area has local drainage problems and is at risk of flooding. The building is located adjacent to the 100-year floodplain and has experienced flooding. The existing 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 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles) 0.00

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) TBD

Flood Managemen	t Evaluatio	on (FME)) STUDY		Colorado-Lavaca
Title City of Wharton Citywide Floodplain Ma	ap Update				NING GROUP
Sponsor (name of entity) East Bernard (Munic	cipality)	ID# 10100016	62		
Technical committee recommend X Yes	No RFPG recommen	d X Yes No Co	Commitment X Ye	es No	REGION 10
Study Type					
Emergency preparedness x Floor	dplain modeling, mappir	ng and risk assessmen	nt 📃 Feasik	oility study	Preliminary project engineering
Other					
Problem Area		N	A REAL		
City East Bernard Count	y Wharton		10 . 10	- Protect	
Watershed Boone Branch - San Bernard Ri name(s)	ver				
Tributary(ies) Britt Branch, San Bernard Riv	ver	(FI	E	ast Bernard	
HUC# 12090401 Stream mil	es (est.) TBD				
Drainage area: square miles, est 3.78	or acreage, est. 2,419		The	60	
Social vulnerability index 0.81 (SVI score 0.0 indicates least vulnerable; 1.0 indi	cates most vulnerable.)	1 PL	1164		
Other Watershed Study		1 Stor	A.C.		2919

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

Population at risk 223

Structures at risk 158

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 253

Roadway(s) impacted (miles) 4.14

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

Cost \$250,000

Flood Management Eva	aluation (FME) STUDY	Lower Colorado-Lavaca REGIONAL FLOOD
Title Jones Brothers Park Flooding		PLANNING GROUP
Sponsor (name of entity) Jonestown (Municipality)	ID# 101000163	
Technical committee recommend X Yes No RFI	PG recommend X Yes No Commitment	X Yes No REGION 10
Study Type		
Emergency preparedness Floodplain mod Other	leling, mapping and risk assessment x F	easibility study Preliminary project engineering
Problem Area		
City Jonestown County Travis		
Watershed Big Sandy Creek name(s)	Balcone	
Tributary(ies) Big Sandy Creek		
HUC# 12090205,12070205 Stream miles (est.) T	BD	
Drainage area: square miles, est 53.07 or acreage	e, est. 33,962	Cedar [/] Park
Social vulnerability index 0.15 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most v	vulnerable.)	
Other Drainage System Improvements		

The Sponsor has indicated the existing stormwater infrastructure in the study area is undersized and the area is at risk during large storm events. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles. Sponsor has indicated targeted buyouts are also a potential outcome.

Population at risk 397

Structures at risk 297

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 1,595

Roadway(s) impacted (miles)

pacted (miles) 3.91

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

Flood Manag	gement Evaluation	on (FME) _{stui}	DY Lower Colorado-Lavaca REGIONAL FLOOD
Title East Reed Park Road Floo	ding		PLANNING GROUP
Sponsor (name of entity) Jones	town (Municipality)	ID# 101000164	
Technical committee recomme	nd X Yes No RFPG recommen	nd X Yes No Commitmer	ent X Yes No REGION 10
Study Type Emergency preparedness Other	Floodplain modeling, mappir	ng and risk assessment x	x Feasibility study Preliminary project engineering
Problem Area		N	
City Jonestown	County Travis		
Watershed Hurst Creek - Lake name(s)	> Travis		Jonestow
Tributary(ies) Unnamed Tribut	ary	R Della	
HUC# 12090205	Stream miles (est.) TBD	CAN UTAN	
Drainage area: square miles, es	st 2.82 or acreage, est. 1,805	5	
Social vulnerability index 0.15 (SVI score 0.0 indicates least vulne	erable; 1.0 indicates most vulnerable.)		
Other Roadway/Crossing Imp	rovements & Channel Improvements	Lago V	/ista

The existing crossing is undersized and overtops. There are multiple houses upstream of the crossing that appear to be impacted by backwater flooding. The existing crossing consists of multiple corrugated metal pipes. The proposed improvements include upsizing the crossing with a bridge. The existing road is a 2-lane road with an average daily traffic count of 504. 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 1

Structures at risk 2

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 45

uctures at fisk 2

Roadway(s) impacted (miles)

npacted (miles) 0.15

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

Flood Management Evaluati	ion (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title Ave J Bridge Replacement	PLANNING GROUP
Sponsor (name of entity) Marble Falls (Municipality)	ID# 101000166
Technical committee recommend X Yes No RFPG recomme	end X Yes No Commitment X Yes No REGION 10
Study Type Emergency preparedness Other	ping and risk assessment 🛛 🗴 Feasibility study 📄 Preliminary project engineering
Problem Area	
City Marble Falls County Burnet	
Watershed Backbone Creek name(s)	Kingsland
Tributary(ies) Unnamed Tributary	
HUC# 12090201,12090205 Stream miles (est.) TBD	
Drainage area: square miles, est 40.20 or acreage, est. 25,7	726 Lyndon B
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	Johnson Marble Falls
Other Roadway/Crossing Improvements	

The existing bridge overtops. The proposed improvements include improvements/replacement of the existing bridge. The existing bridge is a 2-lane road with an average daily traffic count of 2,447. 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 2,006

Structures at risk 405

Critical facilities at risk 1

Farm/Ranch land impacted (acres) 1,984

ictures at fisk 405

Roadway(s) impacted (miles) 10.63

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

Flood Management Evaluati	on (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title 1431/281 Detention	PLANNING GROUP
Sponsor (name of entity) Marble Falls (Municipality)	ID# 101000168
Technical committee recommend X Yes No RFPG recomme	end X Yes No Commitment X Yes No REGION 10
Study Type Emergency preparedness Floodplain modeling, mapping Other	ing and risk assessment x Feasibility study Preliminary project engineering
Problem Area	
City Marble Falls County Burnet	
Watershed Backbone Creek name(s)	
Tributary(ies) Unnamed Tributary	1431
HUC# 12090205 Stream miles (est.) TBD	Marble Falls
Drainage area: square miles, est 1.20 or acreage, est. 768	
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	
Other Regional Detention	Meadowlakes Lake Marble

The area of concern between Whitman Branch and Hamilton Creek has insufficient channel capacity and undersized bridge/culvert crossings. The area has experienced excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion. 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 16 Structures at risk 5 Farm/Ranch land impacted (acres) 23 Roadway(s) impacted (miles)

Critical facilities at risk 0 0.12

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.

Flood Management Evaluation	on (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title Backbone Branch Detention Pond	PLANNING GROUP
Sponsor (name of entity) Marble Falls (Municipality)	ID# 101000169
Technical committee recommend X Yes No RFPG recommer	end X Yes No Commitment X Yes No REGION 10
Study Type	
Emergency preparedness Floodplain modeling, mappir	ing and risk assessment Feasibility study X Preliminary project engineering
Other	
Problem Area	
City Marble Falls County Burnet	
Watershed Backbone Creek name(s)	Longhorn Cavern Kingsland
Tributary(ies) Unnamed Tributary	
HUC# 12090201,12090205 Stream miles (est.) TBD	
Drainage area: square miles, est 30.04 or acreage, est. 19,22	
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	Lake Lyndon B Johnson
Other Regional Detention	Marble Falls

The area of concern along Backbone Creek has insufficient channel capacity and undersized bridge/culvert crossings. The area has experienced excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion. 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 173

Structures at risk 172

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 1,647

Roadway(s) impacted (miles)

4.11

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.

Flood Manag	gement Evaluation	on (FME) stu	DY Lower Colorado-Lavaca REGIONAL FLOOD
Title Marble Falls Creek Walk			PLANNING GROUP
Sponsor (name of entity) Marb	le Falls (Municipality)	ID# 101000170	
Technical committee recommen	nd X Yes No RFPG recommend	nd X Yes No Commitme	ent X Yes No REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, mappi	ng and risk assessment	Feasibility study X Preliminary project engineering
Other			
Problem Area		N	
City Marble Falls	County Burnet	1855	
Watershed Hamilton Creek - I name(s)	Lake Travis		
Tributary(ies) Whitman Branch	1	Lille May	
HUC# 12090205	Stream miles (est.) TBD	oals	
Drainage area: square miles, es	t 5.80 or acreage, est. 3,712	3	
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulne	erable; 1.0 indicates most vulnerable.)		Marble Falls
Other Roadway/Crossing Imp	rovements & Channel Improvements		SPOR ALLER

The existing pedestrian access ways/trails overtop. The proposed improvements include upgrading the low water crossing, and channel modifications. 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 821Structures at risk 80Critical facilities at risk 0Farm/Ranch land impacted (acres)171Roadway(s) impacted (miles)2.07

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)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Flood Manag	emer	nt Evalua	ation ((FMI	E) stu			er Colorado	
Title Citywide Floodplain Rema	pping							NNING	
Sponsor (name of entity) Marbl	e Falls (Mun	icipality)	I	ID# 10100	0171				
Technical committee recommer	nd X Yes	No RFPG reco	mmend X Y	les No	Commitme	nt X Ye	s No	REGION 10	
Study Type									
Emergency preparedness Other	x Floo	odplain modeling, n	happing and r	isk assessn	nent	Feasib	ility study	Prelimina	ry project engineering
Problem Area				N		34E /		Marble Falls	
City Marble Falls	Cour	ty Burnet				6.74	18.5	Marble Falls	
Watershed Lake Marble Falls, name(s)	Flatrock Cı	eek - Lake Travis			Horseshoe	e Bay			H
Tributary(ies) Little Flatrock Cr	eek, Flatro	ck Creek			A. 1		Start .		
HUC# 12090205	Stream m	iles (est.) TBD			Le C	- in		281	的人们的问题
Drainage area: square miles, est	7.13	or acreage, est.	4,565						
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulner	rable; 1.0 inc	licates most vulnerab	e.)						
Other Watershed Study				962	SP LAT		1		Sr

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

Population at risk 322

Structures at risk 158

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 332

Roadway(s) impacted (miles)

ed (miles) 2.29

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

Cost \$250,000

Flood Managemen	t Evaluatio	on (FME	E) _{STUDY}	Lower Co	olorado-La	
Title 2nd Street at Backbone Creek Low Water	Crossing			PLANN		
Sponsor (name of entity) Marble Falls (Munic	ipality)	ID# 101000	0172		-	001
Technical committee recommend X Yes	No RFPG recommend	d X Yes No	Commitment X Y	es No R	EGION 10	
Study Type						
Emergency preparedness Flood	lplain modeling, mappin	ng and risk assessm	ient x Feasil	bility study	Preliminary proj	ect engineering
Other						
Problem Area		Ν	Ser P	281		AND O
City Marble Falls County	y Burnet		1. 1. A. S. M.		C Balanta	
Watershed Backbone Creek name(s)				SIE		H
Tributary(ies) Whitman Branch						1431
HUC# 12090205 Stream mile	es (est.) TBD				1 Con	Shab
Drainage area: square miles, est 2.28	or acreage, est. 1,458	1/5	10 201,2	Marble Falls		
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulnerable; 1.0 indic	cates most vulnerable.)		Meadow	vlakes	MAY /	
Other Roadway/Crossing Improvements &	Channel Improvements		Lake Mar	ble		China.

The existing crossing is undersized and overtops. The crossing floods during smaller rainfall events and is an emergency vehicle response route. The existing crossing consists of four (4) reinforced concrete pipes. The proposed improvements include upsizing the crossing. The existing road is a 2-lane road with an average daily traffic count of 3,263. 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 717Structures at risk 78Critical facilities at risk 0Farm/Ranch land impacted (acres)45Roadway(s) impacted (miles)1.87

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

Flood Management Evaluati	ton (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title Ave L at Whitman Creek Low Water Crossing	PLANNING GROUP
Sponsor (name of entity) Marble Falls (Municipality)	ID# 101000173
Technical committee recommend X Yes No RFPG recomme	end X Yes No Commitment X Yes No REGION 10
Study Type	
Emergency preparedness Floodplain modeling, mapp	ing and risk assessment 🛛 🗴 Feasibility study 📄 Preliminary project engineering
Other	
Problem Area	N N N N N N N N N N N N N N N N N N N
City Marble Falls County Burnet	
Watershed Backbone Creek name(s)	
Tributary(ies) Whitman Branch	
HUC# 12090205 Stream miles (est.) TBD	Marble Falls
Drainage area: square miles, est 2.33 or acreage, est. 1,49	
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	
Other Roadway/Crossing Improvements & Channel Improvement	s A A A A A A A A A A A A A A A A A A A

The existing bridge overtops. The proposed improvements include improvements/replacement of the existing bridge. The existing bridge is a 2-lane road with an average daily traffic count of 668. 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 724

Structures at risk 86

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 45

otures at fish 80

Roadway(s) impacted (miles) 2.39

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

Flood Management	Evaluatio	n (FME) _{stui}	DY Lower Colorado-Lavaca REGIONAL FLOOD	
Title Broadway at Backbone Creek Low Water Cr	rossing		PLANNING GROUP	
Sponsor (name of entity) Marble Falls (Municipa	ality)	ID# 101000174		
Technical committee recommend X Yes	No RFPG recommend	X Yes No Commitmen	nt X Yes No REGION 10	
Study Type	lain modeling, menning	and rick according to	- Foodbility study - Droliminany project opging	ooring
Emergency preparedness Floodpla Other Floodpla	lain modeling, mapping		K Feasibility study Preliminary project engine	enng
Problem Area		N		
City Marble Falls County H	Burnet			
Watershed Backbone Creek name(s)		Kingsland	Longhorn Cavern	
Tributary(ies) Unnamed Tributary		AN ANT		
HUC# 12090201,12090205 Stream miles	(est.) TBD	116 101		
Drainage area: square miles, est 31.97 or	acreage, est. 20,460	Lake	Strate March 1990	
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulnerable; 1.0 indicat	tes most vulnerable.)	Lake Lyndon Johnso		
Other Roadway/Crossing Improvements & Ch	hannel Improvements	·m	Mia Die Fails	

The existing culvert crossing is undersized and overtops. The proposed improvements include enlarging the existing culverts. The existing road is a 2-lane road with an average daily traffic count of 2,220. 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 966

Structures at risk 202

Roadway(s) impacted (miles)

Farm/Ranch land impacted (acres) 1,749

Critical facilities at risk 1 4.77

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

Flood Management Evaluati	on (FME) STUDY	Lower Colorado-Lavaca REGIONAL FLOOD
Title 102 Beach Dr Low Water Crossing		PLANNING GROUP
Sponsor (name of entity) Sunrise Beach Village (Municipality)	ID# 101000175	
Technical committee recommend X Yes No RFPG recomme	end X Yes No Commitment	X Yes No REGION 10
Study Type Emergency preparedness Floodplain modeling, mappi Other	ing and risk assessment x F	Feasibility study Preliminary project engineering
Problem Area	N	
City Sunrise Beach Village County Llano		
Watershed Sandy Creek - Lake Lyndon B Johnson name(s)		Sunrise Beach
Tributary(ies) Unnamed Tributary		Village
HUC# 12090201 Stream miles (est.) TBD	they want to be a	
Drainage area: square miles, est 0.50 or acreage, est. 320		
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	2233	Lake Lyndo
Other Roadway/Crossing Improvements & Channel Improvements	s	Johnsol

The existing crossing is undersized and overtops. The existing crossing consists of two (2) corrugated metal pipes. The proposed improvements include upsizing the pipes. The average daily traffic count is unknown. 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) 0.00 0.00					
Farm/Ranch land impacted (acres) 0 Roadway(s) impacted (miles) 0.00	Population at risk 0	Structures at risk	0 Critic	al facilities at risk 0	
	Farm/Ranch land impacted (acres) 0	I	Roadway(s) impacted (miles)	0.00	

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).

Flood Management Evaluati	on (FME) STUD	Y Lower Colorado-Lavaca REGIONAL FLOOD
Title 124 Sunrise Drive Low Water Crossing		PLANNING GROUP
Sponsor (name of entity) Sunrise Beach Village (Municipality)	ID# 101000176	
Technical committee recommend X Yes No RFPG recomme	end X Yes No Commitment	X Yes No REGION 10
Study Type Emergency preparedness Floodplain modeling, mapp Other	ing and risk assessment x	Feasibility study Preliminary project engineering
Problem Area		
City Sunrise Beach Village County Llano		
Watershed Sandy Creek - Lake Lyndon B Johnson name(s)		Sunrise Beach
Tributary(ies) Unnamed Tributary		Village
HUC# 12090201 Stream miles (est.) TBD		
Drainage area: square miles, est 0.44 or acreage, est. 279		
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	2233	Lake Lyno
Other Roadway/Crossing Improvements & Channel Improvement	s	Johnsc

The existing crossing is undersized and overtops. The existing crossing consists of two (2) corrugated metal pipes. The proposed improvements include upsizing the pipes. The average daily traffic count is unknown. 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.

Farm/Ranch land impacted (acres) 0 Roadway(s) impacted (miles) 0.00	Population at risk 0	Structures at ris	sk 0	Critical	facilities at risk 0	
	Farm/Ranch land impacted (acres) ()	Roadway(s) impacted	l (miles)	0.00	

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

Flood Management Evaluati	ion (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title Countywide Floodplain Map Update	PLANNING GROUP
Sponsor (name of entity) Gillespie (County)	ID# 101000177
Technical committee recommend X Yes No RFPG recomme	nend X Yes No Commitment X Yes No REGION 10
Study Type	
Emergency preparedness X Floodplain modeling, mapp	ping and risk assessment 💦 Feasibility study 👘 Preliminary project engineering
Other	
Problem Area	N
City N/A County Gillespie	
Watershed Multiple Watersheds name(s)	
Tributary(ies) Multiple Tributaries	
HUC# 12090201,12090204, Stream miles (est.) TBD	Fredericksburg
Drainage area: square miles, est 1,057.22 or acreage, est. 676	6,621
Social vulnerability index 0.1 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	
Other Watershed Study	

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

Population at risk 885

Structures at risk 863

Critical facilities at risk 3

Farm/Ranch land impacted (acres) 71,867

Roadway(s) impacted (miles) 9.93

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

Cost \$250,000

Flood Management Evalua	ation (FME) STUD	V Lower Colorado-Lavaca REGIONAL FLOOD
Title Low Water Crossing's at 4 locations		PLANNING GROUP
Sponsor (name of entity) Gillespie (County)	ID# 101000178	
Technical committee recommend X Yes No RFPG recom	mmend X Yes No Commitment	X Yes No
Study Type Emergency preparedness Floodplain modeling, m Other	napping and risk assessment x	Feasibility study Preliminary project engineering
Problem Area	A STREET HEAD	
City N/A County Gillespie	N	
Watershed Multiple Watersheds name(s)		
Tributary(ies) Unnamed Tributary		
HUC# 12090201,12090204, Stream miles (est.) TBD		Fredericksburg
Drainage area: square miles, est 1,057.22 or acreage, est.	676,621	
Social vulnerability index 0.1 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable	le.)	
Other Roadway/Crossing Improvements & Channel Improvem	nents	

The existing 4 crossings are undersized and overtop. The proposed improvements include replacing the low water crossing with bridges. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk 885

Structures at risk 863

Critical facilities at risk 3

Farm/Ranch land impacted (acres) 71,867

at HSK 805

Roadway(s) impacted (miles) 9.93

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)

6.2 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

Flood Manage	ment Evaluati	on (FMI	E) _{STUDY}		Colorado-La	
Title Various Streets - Install Flood	Early Warning System				INING GR	
Sponsor (name of entity) Kendall (County)	ID# 10100)0179			
Technical committee recommend	X Yes No RFPG recomme	end X Yes No	Commitment X	Yes No	REGION 10	
Study Type						
Emergency preparedness	Floodplain modeling, mappi	ing and risk assessn	nent x Fea	asibility study	Preliminary proj	ect engineering
Other						
Problem Area		Ν		MON TRACK		
City N/A	County Kendall					
Watershed Bear Creek - Pedernale name(s) Creek - Pedernales Riv		lliams				H
Tributary(ies) Unnamed Tributary			derivati	人 在我们		
HUC# 12090206,12100201, S	tream miles (est.) TBD	in the second		X ST CA	and the second	一時時代
Drainage area: square miles, est 6	or acreage, est. 422,	724		A. M.		
Social vulnerability index 0.04 (SVI score 0.0 indicates least vulnerable	le; 1.0 indicates most vulnerable.)					See.
Other Install Flood Early Waning	System					

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

Population at risk 0

Structures at risk 1

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 637

D

Roadway(s) impacted (miles) 0.00

Scope of Study

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

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost \$15,000

Flood Management Ev	aluation (FME)	STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title Countywide Floodplain Map Update		PLANNING GROUP
Sponsor (name of entity) Menard (County)	ID# 10100018	30
Technical committee recommend X Yes No RF	PG recommend X Yes No Co	ommitment X Yes No
Study Type Emergency preparedness x Other	deling, mapping and risk assessmen	t Feasibility study Preliminary project engineering
Problem Area	N	
City N/A County Menard		
Watershed Multiple Watersheds name(s)		
Tributary(ies) Unnamed Tributary		A CALL OF THE ALL OF THE
HUC# 12090109,12090110, Stream miles (est.) 7	TBD	an and a second and the second second
Drainage area: square miles, est 898.47 or acreage	e, est. 575,019	
Social vulnerability index 0.36 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most	vulnerable.)	
Other Watershed Study		

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

Population at risk 1,256

Structures at risk 896

Critical facilities at risk 5

Farm/Ranch land impacted (acres) 93,035

Roadway(s) impacted (miles) 12.15

Scope of Study

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

Related Goal(s)

3.1 Increase the number of entities that have updated watershed models and floodplain maps to reflect current conditions, including as applicable Atlas 14 (Volume 11) revised rainfall data. 3.2 Increase the number of entities that have evaluated priority flood risk areas and flood risk reduction measures (e.g., alternatives analysis and preliminary engineering). 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

Flood Manag	gement Evaluation	on (FME) stu	Lower Colorado-Lavaca REGIONAL FLOOD
Title Harris Hollow Neighborh	ood Flooding		PLANNING GROUP
Sponsor (name of entity) Men	ard (Municipality)	ID# 101000181	
Technical committee recomme	end X Yes No RFPG recommend	nd X Yes No Commitme	nent X Yes No REGION 10
Study Type Emergency preparedness Other	Floodplain modeling, mappi	ng and risk assessment	x Feasibility study Preliminary project engineering
Problem Area		N	
City Menard	County Menard	1900	
Watershed Menard Irrigation name(s)	Company Canal - San Saba River		Menard
Tributary(ies) Unnamed Tribu	tary		
HUC# 12090109	Stream miles (est.) TBD		
Drainage area: square miles, e	st 0.13 or acreage, est. 83		
Social vulnerability index 0.36	erable; 1.0 indicates most vulnerable.)		
Other Drainage System Impro	, , ,	Menard	RI

The Sponsor has indicated the existing stormwater infrastructure in the study area and numerous houses are located in the 100-year floodplain. The existing 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 104	Structures at ris	k 107	Critical	facilities at risk 1	
Farm/Ranch land impacted (acres)	25	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)

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 Manageme	ent Evaluation	on (FME) st	Lower Colorado-Lavaca REGIONAL FLOOD
Title South Polk Street Study			PLANNING GROUP
Sponsor (name of entity) Giddings (Mun	icipality)	ID# 101000183	
Technical committee recommend X Ye	es No RFPG recommen	nd X Yes No Commit	itment X Yes No
Study Type			
5 5.	Floodplain modeling, mappir	ng and risk assessment	🗴 Feasibility study 💦 📄 Preliminary project engineerin
Other			
Problem Area		N	
City Giddings C	ounty Lee		
Watershed Upper Rabbs Creek name(s)			
Tributary(ies) Unnamed Tributary			Giddings E Austin St
HUC# 1000508 Stream	n miles (est.) TBD	S.C.V	290
Drainage area: square miles, est 0.26	or acreage, est. 164	9 76	
Social vulnerability index 0.42 (SVI score 0.0 indicates least vulnerable; 1.0) indicates most vulnerable.)		448
Other Watershed Study		TA A	

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 82

Structures at risk 24

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 3

Roadway(s) impacted (miles) 0.32

Scope of Study

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

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost \$150,000

Flood Managem	ent Evaluation	on (FME) stu	Lower Colorado-Lavaca REGIONAL FLOOD
Title City of Wharton City-wide Flood V	Varning Systems		PLANNING GROUP
Sponsor (name of entity) Wharton (Mur	nicipality)	ID# 101000184	
Technical committee recommend X	les No RFPG recommer	nd X Yes No Commitm	ent X Yes No REGION 10
Study Type			
5 51	Floodplain modeling, mappir	ng and risk assessment	x Feasibility study Preliminary project engineering
Other			
Problem Area		N	
City Wharton	County Wharton		
Watershed Multiple Watersheds name(s)			Wharton
Tributary(ies) Unnamed Tributary		a story that is	ATTAC PARAMANANA
HUC# 12090402,12090302, Stream	m miles (est.) TBD		
Drainage area: square miles, est 7.50	or acreage, est. 4,799		
Social vulnerability index 0.81 (SVI score 0.0 indicates least vulnerable; 1.	0 indicates most vulnerable.)		
Other Install Flood Early Warning Sys	stem		

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

Population at risk 6,429

Structures at risk 1,901

Critical facilities at risk 6

Farm/Ranch land impacted (acres) 1,118

Roadway(s) impacted (miles)

acted (miles) 57.10

Scope of Study

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

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost \$250,000

Flood Managemen	nt Evaluatio	on (FME	E) STUDY		Colorado-Lavaca	
Title City of Wharton City-wide Drainage Ma	ster Plan				NING GROUP	
Sponsor (name of entity) Wharton (Municipal	lity)	ID# 10100	0185			
Technical committee recommend X Yes	No RFPG recommend	d X Yes No	Commitment X	Yes No	REGION 10	
Study Type						
Emergency preparedness Floor	dplain modeling, mappin	g and risk assessm	nent x Feas	ibility study	Preliminary project engir	neering
Other						
Problem Area		N	16.2			5
City Wharton Count	ty Wharton		to shares	1		
Watershed Multiple Watersheds name(s)					Wharton	H
Tributary(ies) Unnamed Tributary		a top-	A BEAM	DA DA		
HUC# 12090402,12090302, Stream mi	les (est.) TBD	100	The last			
Drainage area: square miles, est 7.50	or acreage, est. 4,799			1400		
Social vulnerability index 0.81 (SVI score 0.0 indicates least vulnerable; 1.0 indicates vulne	icates most vulnerable.)			(For M		
Other Watershed Study				ALL A		

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. 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 6.429

Structures at risk 1.901

Critical facilities at risk 6

Farm/Ranch land impacted (acres) 1,118

57.10

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).

Roadway(s) impacted (miles)

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost \$250,000

Flood Management Evalua	tion (FME) STUDY	Lower Colorado-Lavaca REGIONAL FLOOD
Title City-wide Drainage Master Plan (integrate with Dry Creek Stud	ly)	PLANNING GROUP
Sponsor (name of entity) Edna (Municipality)	ID# 101000188	
Technical committee recommend X Yes No RFPG recom	mend X Yes No Commitment	X Yes No REGION 10
Study Type Emergency preparedness Floodplain modeling, ma Other	pping and risk assessment x F	easibility study Preliminary project engineering
Problem Area	N	
City Edna County Jackson		
Watershed Post Oak Branch - Dry Creek name(s)		
Tributary(ies) Dry Creek		Edna 💫
HUC# 12100101,12100102 Stream miles (est.) TBD		
Drainage area: square miles, est 4.06 or acreage, est. 2	,601	Jackson
Social vulnerability index 0.51 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable. Other Watershed Study) El Toro	1822

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. 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 risk1,908Structures at risk1,223Critical facilities at risk2Farm/Ranch land impacted (acres)137Roadway(s) impacted (miles)26.26

Scope of Study

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

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost \$400,000 Potenti

Flood Manag	ement Evaluati	on (FME) _{stud}	REGIONAL FLOOD
Title Devers Creek Regional Det	tention and Channel Improvements		PLANNING GROUP
Sponsor (name of entity) Ganad	o (Municipality)	ID# 101000190	
Technical committee recommen	nd X Yes No RFPG recomme	nd X Yes No Commitment	X Yes No
Study Type			
Emergency preparedness	Floodplain modeling, mappi	ng and risk assessment x	Feasibility study Preliminary project engineering
Other			
Problem Area		N	710
City Ganado	County Jackson		
Watershed Devers Creek-Must name(s)	ang Creek		
Tributary(ies) Devers Creek		and Carlos A	
HUC# 12100102	Stream miles (est.) TBD		
Drainage area: square miles, est	1.23 or acreage, est. 790		Ganado
Social vulnerability index 0.51 (SVI score 0.0 indicates least vulner	rable; 1.0 indicates most vulnerable.)		1157
Other Regional Detention		59	

The area of concern along Devers Creek has insufficient channel capacity and undersized bridge/culvert crossings. The area has experienced excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion. 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 64Structures at risk 13Critical facilities at risk 0Farm/Ranch land impacted (acres)399Roadway(s) impacted (miles)0.55

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.

Flood Management	Evaluation (F	TME) _{STUDY}	Lower Colorado	
Title City-wide Drainage Master Plan			PLANNING G	
Sponsor (name of entity) Ganado (Municipality)	ID#	101000192		Roor
Technical committee recommend X Yes N	lo RFPG recommend X Yes	No Commitment X Ye	es No REGION 10	
Study Type				
Emergency preparedness Floodpla Other	ain modeling, mapping and risk a	assessment x Feasil	pility study Preliminary	y project engineering
Problem Area	Г			RTQ 0
City Ganado County Ja	ackson		A COL	
Watershed Devers Creek-Mustang Creek name(s)			710 US-55	H
Tributary(ies) Devers Creek			Ganado	
HUC# 12100102 Stream miles ((est.) TBD	Clark /		28 14
Drainage area: square miles, est 1.12 or a	acreage, est. 717	59	THE ME	1157
Social vulnerability index 0.51 (SVI score 0.0 indicates least vulnerable; 1.0 indicates	es most vulnerable.)			
Other Watershed Study				

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. 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 77

Structures at risk 28

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 28

28

Roadway(s) impacted (miles) 0.42

Scope of Study

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

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost \$400,000 Potenti

Flood Managen	nent Evaluation	on (FME) st	UDY Lower Colorado-Lavaca REGIONAL FLOOD
Title City-wide Drainage Master Plan			PLANNING GROUP
Sponsor (name of entity) La Ward (M	unicipality)	ID# 101000193	
Technical committee recommend X	Yes No RFPG recommer	nd X Yes No Commit	ment X Yes No
Study Type			
Emergency preparedness	Floodplain modeling, mappir	ng and risk assessment	🗴 Feasibility study 💦 📃 Preliminary project engineering
Other			
Problem Area		N	
City La Ward	County Jackson		
Watershed Multiple Watersheds name(s)			
Tributary(ies) Unnamed Tributary			
HUC# 12100401 Stre	am miles (est.) TBD	16	La Ward
Drainage area: square miles, est 0.85	5 or acreage, est. 547		
Social vulnerability index 0.51 (SVI score 0.0 indicates least vulnerable;	1.0 indicates most vulnerable.)		
Other Watershed Study			

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. 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 17

Structures at risk 17

Critical facilities at risk 0 1.05

Farm/Ranch land impacted (acres) 134

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).

Roadway(s) impacted (miles)

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost \$400,000 Potential funding source(s) TBD

Flood Manag	ement Evaluati	on (FME) _{stui}	NY Lower Colorado-Lavaca REGIONAL FLOOD
Title Identify and Assess Flood I	Risk and Potential Mitigation Solutions f	or Low SVI Communities	PLANNING GROUP
Sponsor (name of entity) Lower	Colorado River Authority	ID# 101000194	
Technical committee recommen	nd X Yes No RFPG recommend	nd X Yes No Commitmer	t X Yes No REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, mappi	ng and risk assessment x	Feasibility study Preliminary project engineering
Other			
Problem Area		N	
City Multiple	County TBD		
Watershed Multiple Watershed name(s)	ls		Texas
Tributary(ies) TBD		A DEREST	Aŭstin
HUC# TBD	Stream miles (est.) TBD		Houston
Drainage area: square miles, es	t 24,288.76 or acreage, est. 15,54	44,805	San Antonio
Social vulnerability index 0.75 (SVI score 0.0 indicates least vulne	rable; 1.0 indicates most vulnerable.)	and the second s	
Other Watershed Study			A CONTRACT OF A CONTRACT.

The Lower Colorado-Lavaca Regional Flood Planning Area has a large number of structures mapped to be at risk. Some of these areas are in socially vulnerable communities, which are disproportionately affected by flood impacts. Those with limited means are much more challenged to recover from flood losses and often cannot afford flood insurance to mitigate these losses. For a number of reasons, the residents of these communities may be less likely to notify their local authorities of the flooding problems and losses they have suffered. This means that many of these flood problem areas are under-reported and/or entirely unknown to their respective municipal and county governments. This combination of deeper vulnerability and lack of attention calls for an effort to proactively seek out these communities to more fully assess and document their flood risk, consider potential solutions, and lay out a path to implement feasible and appropriate solutions. Other RFPG goals (no room yet in Related Goals box below): 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 structural flood mitigation projects.

Population at risk	149,869	Structures at risk	67,825	Critical	facilities at risk 9.
Farm/Ranch land	impacted (acres)	2,268,492	Roadway(s) impacted	(miles)	2,373.86

Scope of Study

This FME will conduct a technical study to identify high-priority flood problem areas in high social vulnerability index (SVI) locations throughout the Lower Colorado-Lavaca Regional Flood Planning Area (Region 10). Potential study areas will be identified using available data, assessing flood risk, exposure, and vulnerability. Available data includes the "floodplain quilt" developed for this Regional Flood Plan along with other available geospatial data (e.g., building footprints and Social Vulnerability Index). The study would rank the resulting flood problem areas by severity and develop feasibility-level solutions for the highest priority areas, generally those with a combination of the greatest flood risk/exposure and solution feasibility. This information would be shared with the corresponding municipal and county governments to consider sponsor solution implementation. TWDB funds are scored on a needs-based scale, which would help these projects secure grant or low-interest loan funding, thus making the projects more feasible and this helping these vulnerable populations reduce their flood risk.

Related Goal(s)

Regional and State Flood Plan Guidance Principles ask that regional and state flood plans "focus on: identifying both current and future flood risks, including hazard, exposure, vulnerability and residual risks" and that they "consider protection of vulnerable populations." 5.1Rduce the number of structures and critical

Estimated Study Cost

Cost \$150,000

Flood Management Eval	uation (FME) STUE	NY Lower Colorado-Lavaca REGIONAL FLOOD			
Title Spicewood Springs Road Low Water Crossing #1 Project	PLANNING GROUP				
Sponsor (name of entity) Travis (County)	ID# 101000195				
Technical committee recommend X Yes No RFPG r	recommend X Yes No Commitment	t X Yes No			
Study Type					
Emergency preparedness Floodplain modeling	g, mapping and risk assessment	Feasibility study X Preliminary project engineering			
Other					
Problem Area	N				
City N/A County Travis		Anderson Mill			
Watershed Bull Creek name(s)		Jollyville			
Tributary(ies) Bull Creek					
HUC# 12090205,12070205 Stream miles (est.) 0.10	n Bend	1			
Drainage area: square miles, est 14.86 or acreage, est	t. 9,512				
Social vulnerability index 0.15 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulne	erable.)				
Other					

The existing crossing consists of small pipe culverts and the roadway is overtopped in small, frequent, storm events (less than 5-yr). Road closures limit ingress/egress to several surrounding neighborhoods. The existing road is a 2-lane road with an average daily traffic count of 1,979.

Population at risk 13

Structures at risk 10

Farm/Ranch land impacted (acres) 283

Roadway(s) impacted (miles) 1.64

Critical facilities at risk 0

Scope of Study

Conduct (or enhance existing study) to evaluate the replacement of the low water crossing with a 200 foot bridge. Study will update existing hydrologic and hydraulic models (with Atlas 14 rainfall) as needed to refine preliminary design and provide additional information needed to meet TWDB requirements for a flood mitigation project including verifying no adverse impacts, updating the cost estimate and providing a benefit-cost-analysis, and updating/verifying there are no potential constraints (environmental, utility conflicts, right-of-way needs, and constructability) that will prevent implementation.

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 \$682,500

Floo	od Manag	emer	nt Evalu	atior	n (FM	E) stue		er Colorado-l BIONAL FL		
Title N	Navidad River - Stem Branch Erosion Control Structure Project						PLANNING GROUP			
Sponsor (name of entity) Jackson (County)					ID# 10100	00196				
Technica	l committee recommen	d X Yes	No RFPG reco	ommend	X Yes No	Commitmen	t X Yes No	REGION 10		
Study T	<u>y</u> pe									
Emer Othe	rgency preparedness r	Floc	odplain modeling, r	mapping a	and risk assessr	nent	Feasibility study	v x Preliminary pr	oject engineering	
Proble	m Area				N	Color Internet	Max 4	C B ALL	0	
City N/A	A	Coun	ity Jackson			1 . 100				
Watersh name(ed Navidad (s)					1 gran	Morales		H	
Tributary	(ies) Stem Branch								Contex (
HUC#	12100102	Stream m	iles (est.) 0.00					20000	10 3	
Drainage	e area: square miles, est	0.02	or acreage, est.	15			X		The second	
	Inerability index 0.51 e 0.0 indicates least vulner	able; 1.0 ind	licates most vulnerab	ole.)				11		

There is an existing erosion control structure that is failing. Loss of the structure would result in a threat to existing infrastructure and negative environmental impacts due to erosion. Existing risk factors are based on available data and will be better defined as part of the study. Study results will include detailed assessments of the potential risk and potential flood risk reduction to be used in evaluating the project.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles) 0.00

Scope of Study

Conduct a study to evaluate replacing/repairing an existing erosion control structure. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis (if appropriate), verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis (if appropriate), 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.

Estimated Study Cost

Cost \$40,000

Flood Management Evalua	tion (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title La Salle Erosion Control Structure Project	PLANNING GROUP
Sponsor (name of entity) Jackson (County)	ID# 101000197
Technical committee recommend X Yes No RFPG recom	mend X Yes No Commitment X Yes No REGION 10
Study Type	
Emergency preparedness Floodplain modeling, ma	pping and risk assessment 🛛 🗧 Feasibility study 🔹 🗴 Preliminary project engineering
Other	
Problem Area	
City N/A County Jackson, Victoria	
Watershed Arenosa Creek-Garcitas Creek name(s)	444 Vandert
Tributary(ies) Unnamed Tributary	
HUC# 1000469,1000413,10 Stream miles (est.) 0.00	
Drainage area: square miles, est 20.69 or acreage, est.	3,240
Social vulnerability index 0.51 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable	
Other	

There is an existing erosion control structure that is failing. Loss of the structure would result in a threat to existing infrastructure and negative environmental impacts due to erosion. Existing risk factors are based on available data and will be better defined as part of the study. Study results will include detailed assessments of the potential risk and potential flood risk reduction to be used in evaluating the project.

Population at risk 2

Structures at risk 3

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 481

uctures at fisk 3

Roadway(s) impacted (miles) 1.86

Failin/Kailen land impacted (actes

Scope of Study

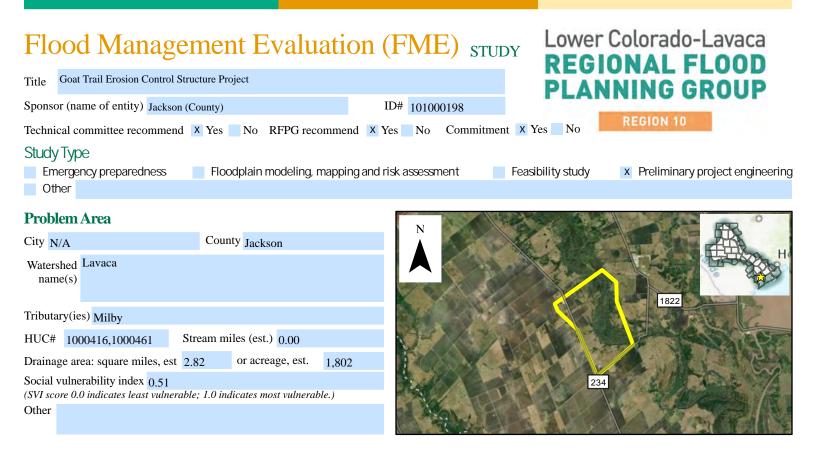
Conduct a study to evaluate replacing/repairing an existing erosion control structure. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis (if appropriate), verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis (if appropriate), 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.

Estimated Study Cost

Cost \$40,000



There is an existing erosion control structure that is failing. Loss of the structure would result in a threat to existing infrastructure and negative environmental impacts due to erosion. Existing risk factors are based on available data and will be better defined as part of the study. Study results will include detailed assessments of the potential risk and potential flood risk reduction to be used in evaluating the project.

Population at risk 0

Structures at risk 0

Farm/Ranch land impacted (acres) 327

Roadway(s) impacted (miles)

Critical facilities at risk 0 0.00

Scope of Study

Conduct a study to evaluate replacing/repairing an existing erosion control structure. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis (if appropriate), verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis (if appropriate), 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.

Estimated Study Cost

Cost \$225,000

Flood Manag	emei	nt Evalu	ation	ı (FMI	E) stud		er Color			
ttle County Road 106 Erosion Control Structure Project						REGIONAL FLOOD PLANNING GROUP				
Sponsor (name of entity) Jackson (County)				ID# 10100	0199		-			
Technical committee recommen	d X Yes	No RFPG reco	mmend >	X Yes No	Commitmen	t X Yes No	REGI	ON 10		
Study Type										
Emergency preparedness	Floo	odplain modeling, r	napping an	nd risk assessn	nent	Feasibility stu	dy <mark>x</mark> Pre	liminary pro	oject engineering	
Other										
Problem Area				N				A COL	ESR. O	
City N/A	Cour	ty Jackson								
Watershed Leona Creek-Areno name(s)	sa Creek				1				H	
Tributary(ies) Arenosa Creek				W. W.			2 As		* •	
HUC# 12100402	Stream m	iles (est.) 0.00		1.00	the state					
Drainage area: square miles, est	0.06	or acreage, est.	40	1.	AGE				的代码	
Social vulnerability index 0.51 (SVI score 0.0 indicates least vulner	able; 1.0 ind	licates most vulnerab	le.)			ALC AL				
Other				Rom.	States			-	234	

There is an existing erosion control structure that is failing. Loss of the structure would result in a threat to existing infrastructure and negative environmental impacts due to erosion. Existing risk factors are based on available data and will be better defined as part of the study. Study results will include detailed assessments of the potential risk and potential flood risk reduction to be used in evaluating the project.

Population at risk 0

Structures at risk 2

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 35

Roadway(s) impacted (miles) 0.00

Scope of Study

Conduct a study to evaluate replacing/repairing an existing erosion control structure. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis (if appropriate), verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis (if appropriate), 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.

Estimated Study Cost

Cost \$75,000

Flood Manag	gement Evaluati	ion (FME) STUD	Y Lower Colorado-Lavaca REGIONAL FLOOD
Title Lake Travis/Cross Street	Area Buyout Project		PLANNING GROUP
Sponsor (name of entity) Jone	estown (Municipality)	ID# 101000200	
Technical committee recomme	end X Yes No RFPG recomme	end X Yes No Commitment	X Yes No REGION 10
Study Type Emergency preparedness Other	Floodplain modeling, mapp	ing and risk assessment	Feasibility study X Preliminary project engineering
Problem Area			
City Jonestown	County Travis		
Watershed Hurst Creek name(s)			1431
Tributary(ies) Big Sandy Cree	ek		17 (Sp)
HUC# 12090205	Stream miles (est.) 0.00		Machan and a
Drainage area: square miles, e	est 0.04 or acreage, est. 26	ગ	onestown
Social vulnerability index 0.15 (SVI score 0.0 indicates least vuln	5 nerable; 1.0 indicates most vulnerable.)		
Other		1431	

There is at least one flood prone property located within the 100-year floodplain of Lake Travis in the Cross Street Area that is subject to repetitive loss. The City would like to conduct an analysis to quantify the total number of structures in the 100-year floodplain that may be subject to repetitive loss.

Population at risk 27

Structures at risk 18

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 13

Roadway(s) impacted (miles) 0.42

Scope of Study

The study will include hydrologic and hydraulic modeling (with Atlas 14) to identify/verify eligible property owners and if the properties should be elevated or removed.

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. 5.2 Increase the acreage of publicly protected open space to reduce future impacts of flooding.

Estimated Study Cost

Cost \$100,000

Flood Management Evaluati	on (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title Hays County Buyout Project	PLANNING GROUP
Sponsor (name of entity) Hays (County)	ID# 101000201
Technical committee recommend X Yes No RFPG recomme	end X Yes No Commitment X Yes No REGION 10
Study Type	
Emergency preparedness Floodplain modeling, mappi	ing and risk assessment 🛛 🗧 Feasibility study 🔹 🗴 Preliminary project engineering
Other	
Problem Area	
City N/A County Hays	Austi
Watershed Onion name(s)	
Tributary(ies) Unknown	
HUC# 12090205,12090206, Stream miles (est.) 0.00	
Drainage area: square miles, est 676.04 or acreage, est. 432,	,665 San Marcos
Social vulnerability index 0.17 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	
Other	

There are at least 38 flood prone properties that are within the 100-year floodplain that may be subject to repetitive loss.

Population at risk 1,437

Structures at risk 581

Critical facilities at risk 2

Farm/Ranch land impacted (acres) 11,875

Roadway(s) impacted (miles) 15.61

Scope of Study

The study will include hydrologic and hydraulic modeling (with Atlas 14) to identify/verify eligible property owners and if the properties should be elevated or removed.

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. 5.2 Increase the acreage of publicly protected open space to reduce future impacts of flooding.

Estimated Study Cost

Cost \$500,000

Flood Manag	ement Ev	valuatio	on (FMI	E) study	Y	Colorado-Lavaca
Title Highland Hills Crossing Im	provements Project					INING GROUP
Sponsor (name of entity) Austin	(Municipality)		ID# 10100	0203		
Technical committee recommen	d X Yes No R	FPG recommend	X Yes No	Commitment	X Yes No	REGION 10
Study Type						
Emergency preparedness	Floodplain me	odeling, mapping	g and risk assessn	nent F	Feasibility study	X Preliminary project engineering
Other						
Problem Area			N		A-SU	
City N/A	County Travis			\bigvee		
Watershed Lake Austin name(s)				2222		
Tributary(ies) Dry Creek			1			
HUC# 12090205	Stream miles (est.)	0.25	19			
Drainage area: square miles, est	0.47 or acrea	ge, est. 299	SF AL			Abercrombie
Social vulnerability index 0.47 (SVI score 0.0 indicates least vulner	able; 1.0 indicates mos	t vulnerable.)		$ \land $		
Other						2222

The Highland Hills crossing is inundated by small, frequent, storm events (less than 2-year event) leading to unsafe conditions for motorists who need to use this roadway for neighborhood ingress/egress. Existing risk factors are based on available data and will be better defined as part of the study. Study results will include detailed assessments of the potential risk and potential flood risk reduction to be used in evaluating the project.

Population at risk 8	Structures at risl	x 3	Critical	facilities at risk 0	
Farm/Ranch land impacted (acres) 1		Roadway(s) impacted	l (miles)	0.02	

Scope of Study

Update existing study to evaluate upgrading the hydraulic capacity of the crossing to reduce the frequency and depth of inundation and improve public safety. Study will update existing hydrologic and hydraulic models (with Atlas 14 rainfall) as needed to refine preliminary design and provide additional information needed to meet TWDB requirements for a flood mitigation project including verifying no adverse impacts, updating the cost estimate and providing a benefitcost-analysis, and updating/verifying there are no potential constraints (environmental, utility conflicts, right-of-way needs, and constructability) that will prevent implementation.

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 \$150,000

Flood Manag	gement Evalua	tion (FME) st	UDY Lower Colorado-Lavaca REGIONAL FLOOD
Title Shoal Creek - Nueces St	Flood Risk Reduction Project		PLANNING GROUP
Sponsor (name of entity) Aus	stin (Municipality)	ID# 101000204	
Technical committee recomm	nend X Yes No RFPG recomm	mend X Yes No Commit	ment X Yes No REGION 10
Study Type			
Emergency preparedness	s 💦 📃 Floodplain modeling, maj	oping and risk assessment	Feasibility study X Preliminary project engineering
Other			
Problem Area		N	
City Austin	County Travis		
Watershed Town Lake name(s)			
Tributary(ies) Shoal Creek			
HUC# 12090205	Stream miles (est.) 0.00		
Drainage area: square miles,	est 13.22 or acreage, est. 8,	460	
Social vulnerability index 0.1	5 nerable; 1.0 indicates most vulnerable.)		Austin
Other	······		

Shoal Creek has a history of flooding including the 1981 Memorial Day Flood that killed 13 people. More recently, the 2015 Memorial Day flood resulted in widespread flooding that impacted commercial and residential structures, and local street flooding. Residents have formally requested service from the City to address 25 locations of reported house flooding, 11 locations of reported yard flooding, and 11 locations of reported street flooding. Existing risk factors are based on available data and will be better defined as part of the study. Study results will include detailed assessments of the potential risk and potential flood risk reduction to be used in evaluating the project.

Population at risk	19,198	Structures at ris	k 653	Critical	facilities at risk	1
Farm/Ranch land i	mpacted (acres)	52	Roadway(s) impacted	d (miles)	13.96	

Scope of Study

Update existing study to evaluate the construction of approximately 16,000 feet of upgraded storm drain pipe and numerous new storm drain inlets throughout the area, including a large tunnel which will extend along Nueces St from Martin Luther King Jr St to 4th St. The existing study includes hydrologic and hydraulic models (with Atlas 14 rainfall), verifying no adverse impacts, preparation of cost estimate and verifying there are no potential constraints (environmental, utility conflicts, right-of-way needs, and constructability) that will prevent implementation. The study will be updated to include the required benefit-cost-analysis.

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.

Estimated Study Cost

Cost \$100,000

Flo	od Manag	emer	nt Evalu	atior	n (FM	E) stu			r Colorado-Lavaca	
Title	Highway St Improvements	Project							NNING GROUP	
Sponso	r (name of entity) Freder	icksburg (M	unicipality)		ID# 1010	00207				
Technic	al committee recommen	d X Yes	No RFPG reco	ommend	X Yes No	Commitme	nt X Ye	s No	REGION 10	
Study Em Oth	ergency preparedness	Floc	dplain modeling, r	mapping a	nd risk assess	ment	Feasibi	lity study	X Preliminary project engir	neering
Probl	em Area				N		10/4			5
City Fr	edericksburg	Coun	ty Gillespie			TO NO.	Fr	edericks	burg	
Waters nam	hed Muesebach Creek - e(s)	Pedernales	Rivet			AT IT				H
Tributa	ry(ies) Unnamed Tributa	ry			1.				E H	
HUC#	12090206	Stream m	iles (est.) 0.00		2				B BR	1
Drainag	e area: square miles, est	0.08	or acreage, est.	54		16		i mas		13
	ulnerability index 0.1 re 0.0 indicates least vulner	able; 1.0 inc	licates most vulnerab	ole.)	ounty			S		ALL AND

The existing crossing is undersized and overtops. The existing road is a 2-lane road with an average daily traffic count of 9,535.

Population at risk 0

Structures at risk 0

Critical facilities at risk $_{0}$ ed (miles) $_{0.00}$

Farm/Ranch land impacted (acres) 0

Scope of Study

Conduct a study to evaluate replacing/upgrading the existing crossing repairing an existing road 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)

Roadway(s) impacted (miles)

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 \$600,000

Flood Management	Evaluation (FM	E) STUDY Lower Colorado-I REGIONAL FI	
Title Glen Flora Drainage Master Plan and Levee	e Project	PLANNING GI	
Sponsor (name of entity) Wharton (County)	ID# 1010	000208	
Technical committee recommend X Yes	No RFPG recommend X Yes No	Commitment X Yes No	
Study Type Emergency preparedness Floodpl Other	olain modeling, mapping and risk assess	sment x Feasibility study Preliminary p	roject engineering
Problem Area	N		0
City Glen Flora County	Wharton		
Watershed San Bernard, Lower Colorado name(s)			The second se
Tributary(ies) TBD			2/08/5/
HUC# 12090302,12090401 Stream miles	s (est.) 0.00	Glen Flora	30
Drainage area: square miles, est 0.60 or	r acreage, est. 381		
Social vulnerability index 0.77 (SVI score 0.0 indicates least vulnerable; 1.0 indicates Other	ttes most vulnerable.)		
			And the second

There is a need to evaluate flood risk within the Glen Flora area. Glen Flora flooded severely during Harvey and a levee could benefit both Glen Flora and Wharton County. Local flooding is also an issue and roadside ditches, culverts, and stormsewer should be upgraded to contain the 10-yr Atlas 14 flow.

Population at risk 65

Structures at risk 48

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 112

40

Roadway(s) impacted (miles) 1.41

Scope of Study

Study will include InfoWorks ICM and HEC RAS 2D analysis of the urban center of Glen Flora. It will also include a regional evaluation of expanding the USACE levee along FM 102. Study scope will include hydrologic and hydraulic modeling (with Atlas14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimate and benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost \$300,000 Poten

Flood Management I	Evaluation (FN		Lower Colorado-Lavaca
Title Jackson County Phase 2 DMP			PLANNING GROUP
Sponsor (name of entity) Jackson (County)	ID# 1(01000209	
Technical committee recommend X Yes No	RFPG recommend X Yes	No Commitment X Yes	No REGION 10
Study Type			
Emergency preparedness Floodplair	n modeling, mapping and risk ass	essment x Feasibil	ity study Preliminary project engineering
Other			
Problem Area			
City _{N/A} County _{Jac}	ckson		
Watershed Navidad, Central Matagorda Bay, We name(s)	Vest Matagorda Bay		
Tributary(ies) Brushy Creek, Cox Creek, Devers	S Creek, Dry Creek East		A CAN STOR
HUC# 12100402,12100101, Stream miles (es	est.) 318.00		Contraction of the second second
Drainage area: square miles, est 700.14 or ac	creage, est. 448,087		
Social vulnerability index 0.599 (SVI score 0.0 indicates least vulnerable; 1.0 indicates	s most vulnerable.)	Victoria	
Other	and the second se		

The county has suffered extreme flooding from recent events such as the floods of 1998, 2004, and 2021 floods. 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. 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 774

Structures at risk 717

Critical facilities at risk 1

Roadway(s) impacted (miles)

Farm/Ranch land impacted (acres) 58,759

58.84

Scope of Study

This study would include all FEMA streams east and west of the Lavaca watershed. Study scope will include hydrologic and hydraulic modeling (with Atlas14 rainfall). If potential projects are identified the study may include preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimate and benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Potential funding source(s) TBD Cost \$4,000,000

Flood Management H	Evaluation (FMI		Colorado-Lavaca
Title City of El Campo Drainage Master Plan Update	te		INING GROUP
Sponsor (name of entity) El Campo (Municipality)	ID# 10100		
Technical committee recommend X Yes No	RFPG recommend X Yes No	Commitment X Yes No	REGION 10
Study Type Emergency preparedness Floodplain Other	n modeling, mapping and risk assessm	nent x Feasibility study	Preliminary project engineering
Problem Area	Ν		
City El Campo County Wh			Wharton
Watershed Lower Colorado, Central Matagorda name(s)	Bay, Navidad	71	Pierce
Tributary(ies) Blue Creek, Tres Palacios, East Mu	ustang Creek	1300	
HUC# 12100102,12090302, Stream miles (es	st.) 102.50	El Cam	po
Drainage area: square miles, est 33.45 or act	creage, est. 21,408		
Social vulnerability index 0.64 (SVI score 0.0 indicates least vulnerable; 1.0 indicates in	most vulnerable.)	1160	59 1162
Other		Hillia	

El Campo was flooded severely in 2004 and the city of El Campo has been working to resolve issues. US 59 By-Pass acts like a dam holding flood waters back into town. The area has multiple local drainage problems including local street floods with excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion. 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 4,600Structures at risk 1,820Critical facilities at risk 1Farm/Ranch land impacted (acres)5,707Roadway(s) impacted (miles)45.23

Scope of Study

The master plan completed for the City of El Campo in 2004 and needs to be updated. Study will include a drainage master plan for the urban center of El Campo using InfoWorks ICM and a restudy of upper Blue Creek using HEC RAS 1D/2D. This also includes Tres Palacios Tributary 6 Channel improvements and Regional Detention. Study scope will include hydrologic and hydraulic modeling (with Atlas14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimate and benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost \$750,000 Potential fund

Flood Management	Evaluation (FM		ower Colorado-Lava EGIONAL FLOC	
Title Jarvis Creek Channel Widening and Regiona	al Detention Project		LANNING GROU	
Sponsor (name of entity) Wharton (County)	ID# 1010			
Technical committee recommend X Yes N	No RFPG recommend X Yes No	Commitment X Yes	No REGION 10	
Study Type				
Emergency preparedness Floodpla	lain modeling, mapping and risk assess	sment Feasibility	study X Preliminary project e	ngineering
Other				
Problem Area	N	Wh	arton	0
City _{N/A} County _V	Wharton	STOLL PART		
Watershed Lower Colorado name(s)				The second secon
Tributary(ies) Jarvis Creek			and Cars March 1	A AS
HUC# 12090302,12090402 Stream miles	(est.) 44.30			
Drainage area: square miles, est 31.41 or	r acreage, est. 20,105	Astro	KON GROUP C	
Social vulnerability index 0.76 (SVI score 0.0 indicates least vulnerable; 1.0 indicate	ites most vulnerable.)	A Providence		
Other				

In recent years, there have been flooding problems along Jarvis Creek, heavy vegetation issues, and the need for improvements to bridges, culverts, and a wider overall channel configuration. Jarvis Creek is a major flood relief channel for the City of Wharton and should be designed based on a future conditions scenario for the City of Wharton.

Population at risk 1.235

Structures at risk 755

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 5,475

Roadway(s) impacted (miles) 22.30

Scope of Study

This study includes a 1D/2D HEC RAS model for Jarvis Creek and development of channel improvements and regional detention solutions to mitigate the 25yr flood risk areas. Study scope will include hydrologic and hydraulic modeling (with Atlas14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimate and 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 \$150,000 Potential funding source(s) TBD

Flood Manag	gemen	nt Evalu	ation (F	ME) _{stu}		wer Colo		
Title Louise Internal Drainage I	Master Plan					ANNI		
Sponsor (name of entity) What	ton (County)		ID#	101000212				
Technical committee recomme	nd X Yes	No RFPG reco	ommend X Yes	No Commitme	ent X Yes N	No	GION 10	
Study Type								
Emergency preparedness	Floo	odplain modeling, r	napping and risk a	ssessment	x Feasibility st	tudy F	Preliminary pro	oject engineering
Other								
Problem Area			Г	N		ST CHES		END O
City _{N/A}	Cour	ty Wharton			THE E	HER.	and a	
Watershed Navidad name(s)								
Tributary(ies) East Mustang Cr	eek and Mi	Idle Mustand Cree	k	26	IN THE		1.	REAL
HUC# 12100102	Stream m	iles (est.) 0.60					S IT III	
Drainage area: square miles, es	t 0.82	or acreage, est.	526	R. Reter		ouise		A
Social vulnerability index 0.38 (SVI score 0.0 indicates least vulne	erable: 10 in	licates most vulnerah	le)					SAT
Other		inclus incorranterab			AL			and and

Rain events in November 2004 caused severe flooding and flood damage. In addition, the 2010 Wharton County drainage master plan revealed a significant flood risk, including structures and roadway crossings, as East Mustang Creek overflows into Middle Mustang Creek.

Population at risk 21

Structures at risk 20

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 16

20

ted (miles) 0.09

Scope of Study

Conduct a study that will include an InfoWorks ICM 1D/2D surface and subsurface drainage analysis and flood reduction recommendations. Study scope will include hydrologic and hydraulic modeling (with Atlas14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimate and benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

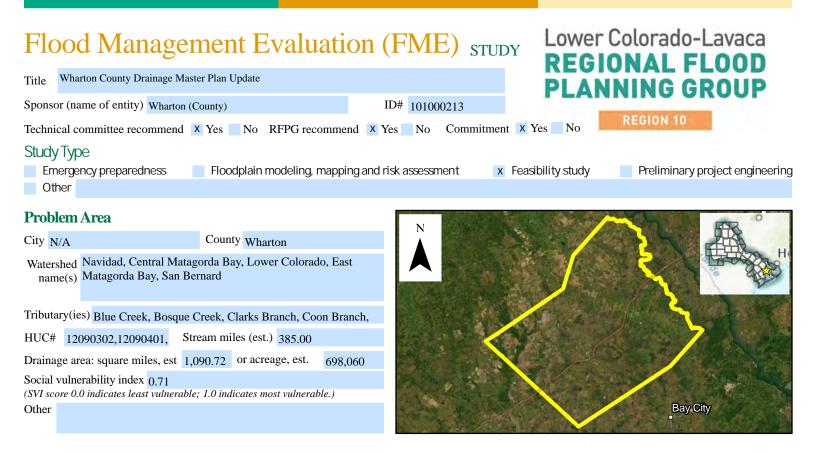
Roadway(s) impacted (miles)

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost \$400,000 Potential funding source(s) TBD



The county has suffered extreme flooding from recent events such as the floods of 1998, 2004, 2016, 2019 and Hurricane Harvey. The area has multiple local drainage problems including local street floods with excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion. 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 15,780

Structures at risk 7,119

Roadway(s) impacted (miles)

Farm/Ranch land impacted (acres) 177.474

Critical facilities at risk 8

367.95

Scope of Study

An update to the Wharton County Drainage Master Plan (circa 2008) is needed to include new Atlas 14 1D/2D HEC RAS models for the entire county. This study would include all FEMA Streams except Colorado River, San Bernard River, West Bernard River, Lower Caney Creek, and Jarvis Creek. Study scope will include hydrologic and hydraulic modeling, preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimate and benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Potential funding source(s) TBD Cost \$4,000,000

Flood Manageme	nt Evaluatio	on (FME	STUDY		olorado-Lavaca
Title West Brazoria County Drainage Distri	ct 11 - Master Drainage Plan				NING GROUP
Sponsor (name of entity)		ID# 101000	0214		
Technical committee recommend X Yes	No RFPG recommend	d X Yes No	Commitment X	Yes No	REGION 10
Study Type					
	oodplain modeling, mapping	g and risk assessme	ent x Feas	ibility study	Preliminary project engineering
Other					
Problem Area		N			
City _{N/A} Cou	inty Brazoria				
Watershed San Bernard River name(s)				A S	Angletor
Tributary(ies) Dance, Linnville, Little Lir	nville and Redfish; Bear, B	Bell,			
HUC# 12090401,12090402 Stream r	miles (est.) 292.00			7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	Lake Jackson
Drainage area: square miles, est 506.66	or acreage, est. 324,26	61	Bay City		
Social vulnerability index 0.6 (SVI score 0.0 indicates least vulnerable; 1.0 in	ndicates most vulnerable.)		1.2.5		Bernard
Other					l Wildlife

The Region 10 Flood Planning Group draft plan notes the WBDD#11 area as SEVERE for current and future risk as well as the location of CRITICAL infrastructure. The location of the WBDD#11 has direct connection to Wharton and Fort Bend Counties, resulting in the need for improvements within the WBDD#11 to assist these neighboring counties. The purpose and goal of the MDP is to conduct a comprehensive evaluation of the existing drainage conditions throughout the district, develop an accurate and current understanding of the drainage infrastructure, and make recommendations on future projects and infrastructure. The assessment will include an inventory of the existing data, hydrologic and hydraulics watershed model, flooding problem area identification, and flood mitigation solutions. A drainage Capital Improvement Plan (CIP), including costs, will be developed to address flooding issues. As part of the MDP scope a web based project management tool will be developed to assist the District with monitoring maintenance activities and construction improvements.

Population at risk 11.719

Structures at risk 7,737

Critical facilities at risk 10

219.73

Farm/Ranch land impacted (acres) 37.018

Scope of Study

Collect and review existing reports, studies, gage data, etc, verify watershed boundaries, examine flooded structures and NFIP claims data. Develop base conditions models for different storm conditions using Atlas 14 rainfall events, determine level of service for the main stem and tributaries and create HEC-RAS 2D models to determine sheet flow issues. Identify problem areas, areas for future development, and constraints affecting the watershed. Perform desktop environmental studies and document baseline conditions, identify alternatives and perform hydraulic analysis to solve future flooding issues. Develop Watershed Strategy via hierarchy of alternatives considering opportunities to team with other agencies, damage reduction, costs, priority areas to be worked and score each of the alternatives, issue a technical note providing documentation on the process of developing the strategy. Create a comprehensive Watershed Plan including a summary of projects and timeline for implementation, and exhibits.

Roadway(s) impacted (miles)

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost \$990,000

Flood Manag	ement Evaluation	on (FME) _{STUDY}	Lower Colorado-Lavaca REGIONAL FLOOD
Title Hill, Pecan, & Pine Street D	Prainage Improvements (DMP GB-04)		PLANNING GROUP
Sponsor (name of entity) Bastrop	p (Municipality)	ID# 101000215	
Technical committee recommen	d X Yes No RFPG recommen	nd X Yes No Commitment X	Yes No REGION 10
Study Type	Electric modeling manni	ng and rick accomment	adibility of where the Decliminant project and provided
Emergency preparedness Other	Floodplain modeling, mappi	ng and risk assessment fea	asibility study X Preliminary project engineering
Problem Area		N	
City Bastrop	County Bastrop		95
Watershed Piney Creek-Colora name(s)	do River		
Tributary(ies) Gills Branch		21	Bastrop
HUC# 12090301	Stream miles (est.) 0.00		Bastrop
Drainage area: square miles, est	0.07 or acreage, est. 48		
Social vulnerability index 0.59 (SVI score 0.0 indicates least vulner	able; 1.0 indicates most vulnerable.)		
Other			

Hill, Pecan, Emile, Pine, Jefferson, and other streets in the surrounding residential area experience significant flooding due to the low-lying nature of the downtown Bastrop terrain. To reduce ponding and flooding during rain events, an upgraded drainage system is proposed to convey runoff into Gills Branch. Approximately 160 properties will benefit from the upgraded stormwater system, reducing private property flooding concerns. These improvements should consider improvements in other portions of the Gills Branch watershed. 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 285	Structures at ris	\$ 73	Critical	facilities at risk	0
Farm/Ranch land impacted (acres) 0		Roadway(s) impacted	l (miles)	1.17	

Scope of Study

Conduct a study to evaluate proposed improvements. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), limited field survey and geotechnical investigations, 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). Potential improvements include approximately 5,940 feet of storm drain to replace the existing undersized storm drain system. The parallel pipes along Jefferson and Pine Strees will be cut, plugged, and abandoned and existing flow will be directed through the new, larger storm drain system. The new system will connect to the existing Hill Street channel and then drain into Gills Branch. The 2023 City of Bastrop Drainage Master Plan estimated potential costs of improvements totaling approximately \$8.7 million.

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas. 6.1 Reduce the number of structures and critical facilities that are at high risk through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Flood Manage	ment	Evalua	ation	(FMI	E) stud		er Colorado-	
Title Local Storm Drain Improvement	ents Near Pin	ey Creek (DMP PC	C-04)				NNING G	
Sponsor (name of entity) Bastrop (Municipality))		ID# 10100	0216			NUUI
Technical committee recommend	X Yes	No RFPG reco	mmend ×	Yes No	Commitment	t X Yes No	REGION 10	
Study Type								
Emergency preparedness	Floodp	lain modeling, m	napping an	nd risk assessm	nent	Feasibility study	Preliminary	project engineering
Other								
Problem Area				N	- 21			ENZ O
City Bastrop	County	Bastrop						
Watershed Piney Creek-Colorado name(s)	River							H
Tributary(ies) Piney Creek				969			95	21
HUC# 12090301 S	tream miles	(est.) 0.06			K J			7
Drainage area: square miles, est	.07 01	r acreage, est.	47		1 million			- / .
Social vulnerability index 0.59 (SVI score 0.0 indicates least vulnerab	le; 1.0 indica	tes most vulnerabl	le.)	LVZ	21	Ba	strop	Bas
Other							Bastrop	

Streets and residential area experience significant flooding due to the low-lying nature of the downtown Bastrop terrain. To reduce ponding and flooding during rain events, a new stormwater system is proposed to redirect runoff into the Piney Creek. Approximately 115 properties will benefit from the upgraded stormwater system, reducing private property flooding concerns. These improvements should consider improvements in other portions of the Piney Creek watershed. 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 119	Structures at risk	83	Critical	facilities at risk 0
rm/Ranch land impacted (acres)	1	Roadway(s) impacted	l (miles)	1.33

Scope of Study

Conduct a study to evaluate proposed improvements. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), limited field survey and geotechnical investigations, 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). Potential improvements include approximately 2,930 ft of storm drain to follow the Main Street right-of-way and convey water directly into the creek, bypassing the existing storm drain system to the east, a 36-in pipe extending approximately 1,580-ft, from Linden Street to Mesquite Street, and two storm drain inlets every 300-ft to capture runoff. Existing pipes following Mesquite and Linden Steets will be cut, plugged, and abandoned to reduce flow through the existing storm drain system. Drainage at Mesquite and Linden Street will be captured and conveyed through the Main Street system. These improvements are tied to the FME for Pecan Street Bypass & Pond Diversion. The 2023 City of Bastrop Drainage Master Plan estimated potential costs of imp

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas. 6.1 Reduce the number of structures and critical facilities that are at high risk through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Flood Manager	ment Evaluation	on (FME) stud	VY Lower Colorado-Lavaca REGIONAL FLOOD
Title Pecan Street Bypass & Pond Di	version (DMP PC-05)		PLANNING GROUP
Sponsor (name of entity) Bastrop (M	Iunicipality)	ID# 101000217	
Technical committee recommend	X Yes No RFPG recommen	nd X Yes No Commitment	t X Yes No REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, mappi	ng and risk assessment	Feasibility study X Preliminary project engineering
Other			
Problem Area		N	
City Bastrop	County Bastrop		
Watershed Piney Creek-Colorado I name(s)	River		
Tributary(ies) Piney Creek		969	95
HUC# 12090301 Str	ream miles (est.) 0.00		
Drainage area: square miles, est 0.1	11 or acreage, est. 69		
Social vulnerability index 0.59 (SVI score 0.0 indicates least vulnerable	e; 1.0 indicates most vulnerable.)	21	Bastrop
Other			Bastrop

Streets and residential area experience significant flooding due to the low-lying nature of the downtown Bastrop terrain. To reduce ponding and flooding during rain events, a Pecan Street bypass is proposed to redirect runoff into the Piney Creek. Approximately 135 properties will benefit from the new stormwater system, reducing private property flooding concerns. These improvements should consider improvements in other portions of the Piney Creek watershed. 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 103	Structures at ris	k 67	Critical	facilities at risk ()
/Ranch land impacted (acres)	4	Roadway(s) impacted	(miles)	0.66	,

Scope of Study

Conduct a study to evaluate proposed improvements. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), limited field survey and geotechnical investigations, 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). Potential improvements include a 1,600 ft diversion from the Hill/Linden pond, approximately 8,900 ft of storm drain along the Pecan Street right-of-way, and a 250 ft pipe to collect runoff between Hawthorne and Linden Street. Existing pipes on Linden and Laurel Streets will be cut, plugged, and abandoned to reduce flow through the existing storm drain system. These improvements are tied to the FMEs for Pecan Street Bypass & Pond Diversion as well as Local Storm Drain Improvements near Piney Creek. The 2023 City of Bastrop Drainage Master Plan estimated potential costs of improvements totaling approximately \$23.7 million.

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas. 6.1 Reduce the number of structures and critical facilities that are at high risk through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Flood Manag	emer	nt Evalua	ation ((FMI	E) stud	\mathbf{N}		Colorado	
Title Pecan, Beech, & Haysel Im	provements	to Gills Branch (DMP	GB-05)					NING	
Sponsor (name of entity) Bastro	p (Municipa	lity)		ID# 10100	0218				N. CO.
Technical committee recommen	d X Yes	No RFPG recor	mmend X Y	Yes No	Commitment	t X Yes	No	REGION 10	
Study Type									
Emergency preparedness	Floc	odplain modeling, m	apping and r	risk assessn	nent	Feasibility	study	x Preliminar	y project engineerir
Other									
Problem Area				N			1		ANR O
City Bastrop	Cour	ity Bastrop				No y y	-6-	Contraction of the	
Watershed Piney Creek-Colora name(s)	do River				L¥	X	95		
Tributary(ies) Gills Branch						Card De			Bastrop
HUC# 12090301	Stream m	iles (est.) 0.00			21		Bastrop		
Drainage area: square miles, est	0.05	or acreage, est.	31				Bast	rop	
Social vulnerability index 0.59 (SVI score 0.0 indicates least vulner	rable; 1.0 inc	licates most vulnerable	e.)	計准					
Other						the B			A KAN

Haysel, Farm, Beech, Pecan, and other streets in the surrounding residential area experience significant flooding due to the low-lying nature of the downtown Bastrop terrain. To reduce ponding and flooding during rain events, an upgraded system is proposed to redirect runoff into Gills Branch. Approximately 180 properties will benefit from the upgraded stormwater system, reducing private property flooding concerns. These improvements should consider improvements in other portions of the Gills Branch watershed. 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 964	Structures at risk	57	Critical	facilities at risk <mark>0</mark>	I
arm/Ranch land impacted (acres))	Roadway(s) impacted	(miles)	1.02	

Scope of Study

Conduct a study to evaluate proposed improvements. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), limited field survey and geotechnical investigations, 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). Potential improvements include 5,520 feet of storm drain to replace the existing undersized system. The existing pipe conveying flow through the Mina Elementary campus will be cut, plugged, and aban- doned, and flow will be redirected from Pecan Street through the Hill and Farm Street rights-of-way, eventually rejoining the Haysel Street trunkline. The 2023 City of Bastrop Drainage Master Plan estimated potential costs of improvements totaling approximately \$20.6 million.

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas. 6.1 Reduce the number of structures and critical facilities that are at high risk through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Flood Manag	ement Evaluation	on (FME) stui	NY Lower Colorado-Lavaca REGIONAL FLOOD
Title Bastrop CCTV Storm Drain	n Evaluation (DMP COB-02)		PLANNING GROUP
Sponsor (name of entity) Bastrop	p (Municipality)	ID# 101000219	
Technical committee recommen	d X Yes No RFPG recommer	nd X Yes No Commitmer	nt X Yes No REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, mappir	ng and risk assessment	Feasibility study X Preliminary project engineering
Other			
Problem Area		N	Lake Bast
City Bastrop	County Bastrop		
Watershed Piney Creek-Colora name(s)	do River		
Tributary(ies) Piney Creek, Gill	s Branch		
HUC# 12090301	Stream miles (est.) 1.90		Bastrop
Drainage area: square miles, est	1.77 or acreage, est. 1,134	1 11.9	21 Bastrop
Social vulnerability index 0.59		20	Bastrop
(SVI score 0.0 indicates least vulner Other	cable; 1.0 indicates most vulnerable.)	Shiloh	
		Ker the	A

The existing storm drain system was surveyed, to the extent possible, within the city limits and right of way, during Spring of 2022. Survey points included storm drain inlets, manhole elevations, pipe flowlines and dimensions, and outfall flow lines and dimensions. The survey team captured approximately 360 storm drain inlets, 80 manholes, and 35 outfalls. A storm drain database was developed for the City of Bastrop to map and detail existing storm drain infrastructure within city limits. There is a need to assess the condition and functionality of the storm drainage system to develop a maintenance and improvement plan.

Population at risk 2,890

Structures at risk 659

Critical facilities at risk 2

Farm/Ranch land impacted (acres) 108

007

Roadway(s) impacted (miles) 7.77

Scope of Study

Conduct a study to assess the condition of the existing storm drain infrastructure within the urban core of the City of Bastrop. The study should utilize closedcircuit television (CCTV) inspection. Inspection will analyze approximately 17,000 feet of storm drain infrastructure. Evaluation will allow the design consultant to develop a storm drain maintenance and improvement plan.

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas. 6.1 Reduce the number of structures and critical facilities that are at high risk through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Estimated Study Cost

Cost \$350,000 Pote

Flood Manage	ement Ev	valuatio	on (FMI	E) STUDY		Colorado-L	
Title Water, Spring, & Cedar Stree	et Drainage Improvem	ents (DMP GB-03)				INING GR	
Sponsor (name of entity) Bastrop	(Municipality)		ID# 10100	0220			
Technical committee recommend	1 X Yes No R	RFPG recommend	X Yes No	Commitment X	Yes No	REGION 10	
Study Type							
Emergency preparedness	Floodplain m	odeling, mapping	jand risk assessm	nent Fea	sibility study	× Preliminary pro	oject engineering
Other							
Problem Area			N			4 MAR - L	ESR O
City Bastrop	County Bastro	р			1. J. A		
Watershed Piney Creek-Colorad name(s)	lo River			L.	A	95	
Tributary(ies) Gills Branch						and an a los	
HUC# 12090301	Stream miles (est.)	0.00	LOT	21	Bastro	ор	Bastro
Drainage area: square miles, est	0.22 or acrea	ige, est. 141			Be	astrop	
Social vulnerability index 0.59 (SVI score 0.0 indicates least vulnerable)	able; 1.0 indicates mo	st vulnerable.)		AL M			
Other							

Water, Spring, Cedar, and other streets in the surrounding residential area experience significant flooding due to the low-lying nature of the downtown Bastrop terrain. To reduce ponding and flooding during rain events, an upgraded system is proposed to redirect runoff into the Colorado River. Approximately 260 properties will benefit from the upgraded stormwater system, reducing private property flooding concerns. These improvements should consider improvements in other portions of the Gills Branch watershed. 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.

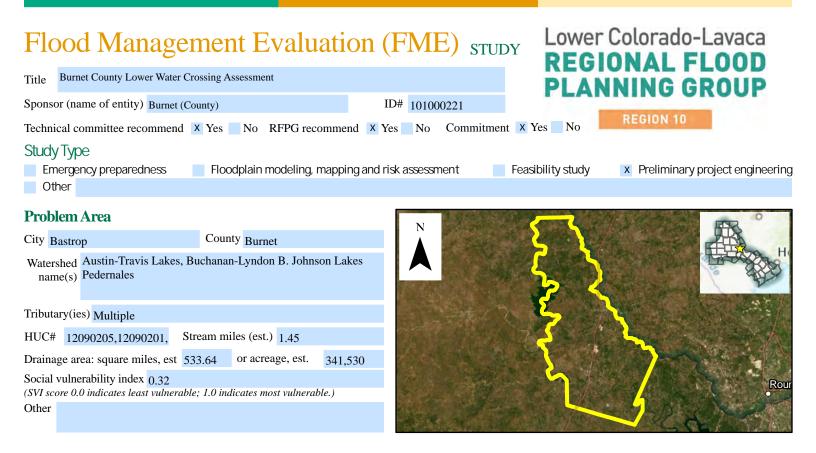
Population at risk	1,188	Structures at risk	- 132	Critical	facilities at risk 1
Farm/Ranch land i	mpacted (acres)	1	Roadway(s) impacted	l (miles)	1.71

Scope of Study

Conduct a study to evaluate proposed improvements. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), limited field survey and geotechnical investigations, 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, utilityconflicts, right-of-way needs, and constructability). Potential improvements include 17,100 feet of storm drain to replace the existing undersized system. Pipes at Beech and Jefferson will be cut, plugged, and abandoned and flow will be directed through the new storm drain system. Existing laterals extending down Beech, Buttonwood, & Elm St will remain unchanged. The 2023 City of Bastrop Drainage Master Plan estimated potential costs of improvements totaling approximately \$25.7million.

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas. 6.1 Reduce the number of structures and critical facilities that are at high risk through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.



Burnet County is located in flash flood alley and is fairly rural in nature. In the Lower Colorado-Lavaca planning region, there are 59 low water crossings in Burnet County, however evaluation of all stream crossings likely results in a higher number of designated lower water crossings. This assessment should be conducted after the updated modeling and mapping utilizing Atlas 14 rainfall data is conducted in this portion of the County.

Population at risk 6.359

Structures at risk 3,799

Critical facilities at risk 4

Farm/Ranch land impacted (acres) 16,335

Roadway(s) impacted (miles) 34.19

Scope of Study

The assessment of low water crossings includes the evaluation of existing condition level of service, average daily traffic, and emergency access routes to understand risk of each crossing. Following the assessment, low water crossings can be prioritized to support future implementation of improvements.

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Estimated Study Cost

Cost \$150,000

Flood Management Eval	uation (FME)	STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title Burnet County Modeling and Mapping Update		PLANNING GROUP
Sponsor (name of entity) Burnet (County)	ID# 101000222	
Technical committee recommend X Yes No RFPG	recommend X Yes No Comr	mitment X Yes No
Study Type		
	ng, mapping and risk assessment	Feasibility study Preliminary project engineering
Other		
Problem Area	N	
City Bastrop County Burnet		
Watershed Piney Creek-Colorado River name(s)		
Tributary(ies) Multiple		
HUC# 12090205,12090201, Stream miles (est.) 1.45	A State	
Drainage area: square miles, est 533.64 or acreage, es	t. 341,530	
Social vulnerability index 0.32 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulne	erable.)	Rour
Other		

Burnet County is located in flash flood alley and is fairly rural innature. In the Lower Colorado-Lavaca planning region, there are approximately 1,450 riverine stream miles that need updated analysis utilizing the best available science (software, Atlas14 rainfall) and data (topography) to identify flood exposure.

Population at risk 6,359

Structures at risk 3,799

Roadway(s) impacted (miles)

Farm/Ranch land impacted (acres) 16,335

Critical facilities at risk 4

34.19

Scope of Study

The study should include the development of updated hydrologic and hydraulic models utilizing the best available science and data. Updated floodplain maps can then be used for regulation and update of outdated FEMA maps in this portion of Burnet County.

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Estimated Study Cost

Cost \$4,000,000

Flo	od Manag	emei	nt Evalu	ation	(FM	E) _{st}	UDY		r Colorado-Lava IONAL FLOO	
Title	Caldwell County Flood Ea	rly Warning S	System						NNING GROU	
Sponso	r (name of entity) Caldw	vell (County)			ID# 10100)0223		I LA		
Technic	cal committee recommen	nd X Yes	No RFPG reco	mmend X	Yes No	Commitm	nent X Y	es No	REGION 10	
Study	Туре									
× Em Oth	ergency preparedness ner	Floo	odplain modeling, n	napping and	d risk assessr	nent	Feasi	bility study	Preliminary project en	gineering
Probl	em Area				N					0
City N	/A	Cour	nty Caldwell			to a	1 ton			
	hed Walnut Creek-Ceda e(s) River, and Lower S			an Marcos		Sand	Viarcos	B		
Tributa	ry(ies) TBD					16				to be
HUC#	12090301	Stream m	iles (est.) TBD		24	1		S How	LEAR AND A	
Drainag	ge area: square miles, es	t 544.69	or acreage, est.	348,604		A C				
	vulnerability index 0.83 re 0.0 indicates least vulne	rable; 1.0 in	licates most vulnerab	le.)	lew Brau	nfels				
Other										

Caldwell County and other local participating entities should review existing flood early warning system equipment, procedures, and training to ensure that emergency responders can meet residents' needs in an efficient, safe, and timely manner during a flood event.

Population at risk 113

Structures at risk 99

Farm/Ranch land impacted (acres) 4,279

Critical facilities at risk 0

3.62

Scope of Study

Review of existing gages and flood early warning system equipment. Evaluate software and hardware required to develop and/or improve flood early warning system effectiveness. Coordinate with local participating communities to develop a set of flood early warning system development/improvement goals. Develop a budget to develop/upgrade the flood early warning system. Develop a budget and strategy to ensure long term future funding of the flood early warning system.

Roadway(s) impacted (miles)

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost \$50,000

Flood Manageme	ent Evaluation	on (FME	E) STUD		Colorado-Lavaca ONAL FLOOD
Title Lytton Springs Creek Near CR 174					INING GROUP
Sponsor (name of entity) Caldwell (Coun	nty)	ID# 101000	0224		
Technical committee recommend X Ye	es No RFPG recommen	nd X Yes No	Commitment	X Yes No	REGION 10
Study Type					
5 5.	- Toodplain modeling, mappir	ng and risk assessm	ient I	Feasibility study	X Preliminary project engineering
Other					
Problem Area		N			21
City Dale Co	ounty Caldwell		Ser 16 11		
Watershed Lytton Springs Creek name(s)					
Tributary(ies) TBD					
HUC# 12090301 Stream	n miles (est.) 1.10				
Drainage area: square miles, est 0.11	or acreage, est. 70	and a second			
Social vulnerability index 0.83 (SVI score 0.0 indicates least vulnerable; 1.0) indicates most vulnerable.)			- Co	
Other					M. L. S. C. L.

Based on hydraulic modeling of existing conditions, approximately 14 residential and agricultural structures lie within the 1% AEP floodplain on the south side of CR 174 at the downstream end of Lytton Springs Creek.

Population at risk 13

Structures at risk 12

Critical facilities at risk 0

0.02

Farm/Ranch land impacted (acres) 51

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).

Roadway(s) impacted (miles)

Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Estimated Study Cost

Cost \$40,000

Flood Manag	gemen	nt Evaluat	ion (FM	E) STUD	Y	r Colorado-I	
Title CR175 @ Cedar Creek Tr	ib 1					NNING G	
Sponsor (name of entity) Cald	well (County)		ID# 1010	00225			
Technical committee recomme	nd X Yes	No RFPG recomm	end X Yes No	Commitment	X Yes No	REGION 10	
Study Type							
Emergency preparedness	Floo	dplain modeling, map	ping and risk assess	ment	Feasibility study	X Preliminary pr	roject engineering
Other							
Problem Area			N		A CARAGE R		
City Dale	Cour	ty Caldwell				1	
Watershed Cedar Creek name(s)				idge			H
Tributary(ies) TBD			1				57673
HUC# 12090301	Stream m	iles (est.) 0.81	Parties Parties			N. Jarl S	
Drainage area: square miles, es	st 0.14	or acreage, est. 88			· ///		7 1 1 - 1 - 1 - 1 - 1
Social vulnerability index 0.83 (SVI score 0.0 indicates least vulner) Other	erable; 1.0 ind	licates most vulnerable.)	~ ~ ~	TOLL'S			
			1000	MARCH NO	1 1 2 C		A State of State

CR 175 (Tomahawk Trail) has been identified by Caldwell County as a priority crossing in need of upgrade. The crossing remained closed for 2 days during Hurricane Harvey and is inundated by the 1% AEP storm event. Existing risk factors are based on available data and will be better defined as part of the study. Study results will include detailed assessments of the potential risk and potential flood risk reduction to be used in evaluating the project.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 59

-

Roadway(s) impacted (miles) 0.21

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.

Estimated Study Cost

Cost \$40,000

Flood Manag	ement	t Evalua	ation (FN	(IE) STUD	V	r Colorado-L	
Title City of Hays Drainage Ma	ster Plan Update	e				NNING GR	
Sponsor (name of entity) Hays	(Municipality)		ID# 10	1000226			001
Technical committee recomme	nd X Yes	No RFPG reco	mmend X Yes N	lo Commitment	X Yes No	REGION 10	
Study Type							
Emergency preparedness	Floodp	olain modeling, n	napping and risk asse	xsment x	Feasibility study	Preliminary pro	ject engineering
Other							
Problem Area						Shady Hollow	
City Hays	County	Hays					
Watershed Onion Creek-Color name(s)	rado River					Manc	HI I
Tributary(ies) Little Bear Creel	k, Little Bear C	Creek Tributary 1	A				
HUC# 12090205	Stream miles	s (est.) 10.33		A SA			
Drainage area: square miles, es	t 4.92 o	or acreage, est.	3,151				
Social vulnerability index 6.699 (SVI score 0.0 indicates least vulne			(e.)	Ę	967		S/
Other				LET N	5.10	Buda	

The City of Hays is located between two tributaries of Little Bear Creek. Historically, this area has been subject to major flooding events resulting in a threat to human and animal life and extensive property/infrastructure damage. Compounding area flooding problems relative to the City of Hays is the recent widening of FM 1626 from a two lane country road to a five lane transportation corridor; completion of SH 45 Southwest; increased upstream impervious cover due to major single family/multi-housing residential development and commercial/retail development. Additionally, several proposed/planned major residential and commercial development will significantly increase population density and impervious cover in the watersheds located upstream from the City of Hays. Potential increases in flood risk threaten the City of Hays and thousands of people sole source drinking water supply derived from the Barton Springs Segment of the Edwards Aquifer, Water quality is a concern as a large portion of the Little Bear Creek Watershed is either located over the Barton Springs-Edwards Aquifer recharge, transition or contributing zones. The City of Hays in 2017 conducted a watershed study to assess flood risk and to prepare a drainage master plan for areas within the City's jurisdiction. This master plan needs to be updated to reflect changed conditions as described above, as well as to incorporate updated Atlas 14 rainfall values.

Population at risk 148		Structures at risk	83	Critical	facilities at risk 0	
Farm/Ranch land impacted	(acres) 211		Roadway(s) impacted	(miles)	0.93	

Scope of Study

Update information and data used to develop the 2017 drainage master plan. Leverage the Atlas 14 hydrologic/hydraulic models for Little Bear Creek and Little Bear Creek Tributary 1A to assess riverine flood risk and exposure for the 10-, 25-, 100-, and 500-year flood events. Assess local drainage patterns using Atlas 14 rainfall data to identify potential local flood exposure in the City and ETJ areas. Identify priority flood risk areas and for such areas identify, evaluate, and recommend structural and non-structural flood risk reduction measures. Alternatives analysis to include potential negative upstream and/or downstream impacts, environmental impacts, cost and benefit analysis for risk reduction measures, and potential adverse impacts and/or benefits associated with groundwater recharge and drinking water supply.

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. 5.1/6.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss.

Estimated Study Cost

Cost \$200,000

Flood Manag	ement E	valuatio	n (FMI	E) study		r Colorado-L IONAL FL	
Title Cummins Creek WS SCS S	Site 1 Dam Flood Mana	gement Evaluation				NNING GR	
Sponsor (name of entity) Lee (C	County)		ID# 10100	0228			
Technical committee recommen	nd X Yes No F	RFPG recommend	X Yes No	Commitment	X Yes No	REGION 10	
Study Type							
Emergency preparedness	Floodplain m	odeling, mapping	and risk assessn	nent x F	easibility study	Preliminary pro	oject engineering
Other							
Problem Area			(N		1		ENR O
City _{N/A}	County Lee			290	the Cole in		
Watershed Onion Creek-Color name(s)	ado River						
Tributary(ies) TBD			Time St				12:45 0
HUC# 12090301	Stream miles (est.)	4.26	S. A.	W and the state			A A A A
Drainage area: square miles, es	t 1.16 or acrea	nge, est. 742	A 100	Son With	A. J. Allen		Hall Sa
Social vulnerability index 0.255 (SVI score 0.0 indicates least vulne		st vulnerable.)		A R. Sto	N D ST	1 Simoly	
Other				124	6.68%	Contra -	

During major flood events on Cummins Creek the backwater created by the subject dam floods approximately 25 to 50 homes. The backwater flooding also cuts access to the area due to inundation of County Roads 233 and 226. Backwater flooding in this area is also likely aggravated by sedimentation behind the dam. The most extreme of these recent flood events was Hurricane Harvey in 2017, but the area also flooded in 2015 and 2016. Príor flooding has led to implementation of two separate buyout programs, one for the 2016 floods and a separate one for Hurricane Harvey. The flood risk area is currently the focus of several ongoing grants and other efforts to improve the situation, including an effort to raise the elevation of CR 226 and construct a new bridge to allow evacuation of residents. One potential flood risk reduction effort that has not previously been evaluated is to reduce the backwater area by lowering the elevation of the dam spillway or other modifications.

Population at risk 44	Structures at ris	^x 47	Critical	facilities at risk 0
Farm/Ranch land impacted (acres)	579	Roadway(s) impacted	(miles)	1.19

Scope of Study

The scope of the study would include: 1) hydrology and hydraulic modeling to confirm and further assess and quantify flood risk and exposure; 2) a preliminary assessment of the technical feasibility of modifying the dam; 3) development of preliminary construction and O&M costs to modify the dam; 4) conduct of a cost/benefit analysis; 5) evaluation of potential constraints to implementation of alternatives (e.g., environmental, water rights, regulatory, dam safety, constructability; and 6) comparative analysis of other flood reduction measures (e.g., additional property buyouts, raise elevation of affected roadways). The results of the study will be documented in a report with recommendations.

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Estimated Study Cost

Cost \$100,000

Flood Manag	ement	Evalua	ation (FM	IE) STUE)Y	r Colorado-I	
Title Needville Wastewater Trea	tment Plant Flood	lproofing				NNING GI	
Sponsor (name of entity) Needy	ville (Municipality	<i>ą</i>)	ID# 101	000229			
Technical committee recommen	nd X Yes N	lo RFPG recor	nmend X Yes No	o Commitmen	t X Yes No	REGION 10	
Study Type							
Emergency preparedness	Floodpla	ain modeling, m	apping and risk asses	ssment	Feasibility study	× Preliminary p	roject engineering
Other							
Problem Area			Ν	1 11	Marchine Constant	No the state	END O
City Needville	County F	Fort Bend				Needville	
Watershed Cedar Creek, San E name(s)	Sernard Watersh	led			5		
Tributary(ies) Buffalo Creek				NHO .	Contraction of the second	S ZEPENDE	Mar Paka
HUC# 12090401	Stream miles	(est.) 1.84	rton	Berland And			No. Start
Drainage area: square miles, es	t 45.66 or	acreage, est.	29,225			STEL NEED	S. S. S.
Social vulnerability index 0.678 (SVI score 0.0 indicates least vulne					Star And		147-14
Other	rable; 1.0 maicai						

The plant is located adjacent to Buffalo creek that runs through the City of Needville. This area hasn't been studied in detail, but as a critical facility further study is recommended to assess risk of flood from Buffalo Creek. There were no reported loss of service events in initial data gathering. The results of the study will provide additional insight into existing flood risk, indicators to evaluate projects for future flood planning cycles.

Population at risk 82	Structures at risk	76	Critical	facilities at risk 0
Farm/Ranch land impacted (acres)	3,222	Roadway(s) impacted ((miles)	2.98

Scope of Study

The flood risk study of the wastewater treatment plant area 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). This information will allow for a better understanding of high risk areas and future potential projects.

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas. 6.1 Reduce the number of structures and critical facilities that are at high risk through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost \$100,000

Flood Managem	ent Evaluati	on (FME)	STUDY		Colorado-Lavaca
Title Fairchild Creek Drainage Mitigation	on Study				NING GROUP
Sponsor (name of entity) Needville (M	unicipality)	ID# 10100023	0		
Technical committee recommend X	Yes No RFPG recommend	nd X Yes No Co	ommitment X Ye	es No	REGION 10
Study Type Emergency preparedness Other	Floodplain modeling, mappi	ng and risk assessment	t x Feasik	bility study	Preliminary project engineering
Problem Area		N		A. 8 . 1	
City Needville	County Fort Bend				
Watershed San Bernard, Lower Braze name(s)	os Watersheds			Needville	
Tributary(ies) Fairchild Creek, Cedar	Creek, Buffalo Creek	1516.20			
HUC# 12090401 Strea	um miles (est.) 0.00	Alberton			
Drainage area: square miles, est 92.5	5 or acreage, est. 59,22	35 Wharton			
Social vulnerability index 0.678726298 (SVI score 0.0 indicates least vulnerable; 1			3-7		
Other			1 45 7 2 2		1 - 1000

The southwest portion of the City of Needville and its extraterritorial jurisdiction has been defined as a major flooding area for the City. Portions of the Buffalo Creek watershed have been interconnected with an extension of Fairchilds Creek. Based on preliminary drainage investigations, it appears that this interconnection may contribute to flooding in Needville. Further study is required to understand existing flood risk indicators is required to develop solutions for this problematic flood prone area of the City.

 Population at risk 82
 Structures at risk 76
 Critical facilities at risk 0

 Farm/Ranch land impacted (acres)
 3,222
 Roadway(s) impacted (miles)
 2,98

Scope of Study

This study will include hydrologic and hydraulic analysis (with Atlas 14 rainfall) to assess the existing conditions flooding patterns created by the two creeks across the City problem areas. Additionally, 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) will also be considered. This information will allow for a better understanding of high risk areas and future potential projects.

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Estimated Study Cost

Cost \$100,000

Flood Manag	çemei	nt Evalu	ation	(FMI	E) stud			ado-Lavaca L FLOOD
Title Caldwell Elementary Imp	ovements at 1	Upper Gilleland Cree	k (DMP GC-	01)				GROUP
Sponsor (name of entity) Pflug	erville (Muni	cipality)		ID# 10100	0231		-	
Technical committee recomme	nd X Yes	No RFPG rec	ommend X	Yes No	Commitmen	t X Yes No	REGION	110
Study Type								
Emergency preparedness	Floo	odplain modeling, r	mapping and	d risk assessn	nent x	Feasibility stud	dy Prelim	ninary project engineerin
Other								
Problem Area				N	A WER			
City Pflugerville	Cour	nty Travis			A THE		45	
Watershed Willbarger Creek- name(s)	Colorado Ri	ver			45			
Tributary(ies) Gilleland Creek						35	- All	AL AN
HUC# 12090301	Stream m	iles (est.) 1.51		6				- Charles
Drainage area: square miles, es	st 0.39	or acreage, est.	248	1.100		TRA		Charles In
Social vulnerability index 0.35 (SVI score 0.0 indicates least vulne			ble.)	19	Wells I	Branch		
Other						Shanch		Pflugerville

Caldwell Elementary, multiple streets and residential areas experience significant flooding from Gilleland Creek. The proposed design removes Caldwell Elementary from the 100 year floodplain, prevents Fitzgerald Lane from overtopping during the 100-year storm event, and reduces flood risk for 205 homes. 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 18

Structures at risk 5

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 23

fuctures at fisk j

Roadway(s) impacted (miles) 0.14

Scope of Study

Conduct a study to evaluate proposed improvements. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), limited field survey and geotechnical investigations, 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). Potential improvements include raising the Fitzgerald Lane profile to an elevation of 777 feet, 1,270 linear feet of channel improvements, and a 2,280-foot berm on the eastern border of Gilleland Creek. The 2022 City of Pflugerville Drainage Master Plan estimated potential costs of improvements totaling approximately \$9.7 million.

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas. 6.1 Reduce the number of structures and critical facilities that are at high risk through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Estimated Study Cost

Cost \$680,000

Flood Managen	nent Evaluation	on (FME) stur	NY Lower Colorado-Lavaca REGIONAL FLOOD
Title Pflugerville Storm Drain CCTV	Evaluation (DMP Pf-03)		PLANNING GROUP
Sponsor (name of entity) Pflugerville	(Municipality)	ID# 101000232	
Technical committee recommend	Yes No RFPG recommen	nd X Yes No Commitmen	t X Yes No
Study Type			
Emergency preparedness	Floodplain modeling, mappir	ng and risk assessment	Feasibility study
Other			
Problem Area		N	
City Pflugerville	County Travis		
Watershed Willbarger Creek-Colora name(s)	ado River		
Tributary(ies) Gilleland Creek, Wilb	arger Creek	ranch	
HUC# 12090301 Stre	eam miles (est.) 0.57		Pflugerville
Drainage area: square miles, est 0.2	or acreage, est. 137		
Social vulnerability index 0.2861000 (SVI score 0.0 indicates least vulnerable;			
Other			

The City of Pflugerville maintains a storm drain system database to map, size and identify existing storm drain infrastructure within city limits. The geospatial data includes detention ponds, drainge structures, stormwater inlets, lines, manholes, and outfalls. There is a need to assess the condition and functionality of the storm drainage system to develop a maintenance and improvement plan.

Population at risk 10

Structures at risk 10

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 7

Tuetures at fish 10

Roadway(s) impacted (miles) 0.00

Scope of Study

Conduct a study to assess the condition of the existing storm drain infrastructure within the downtown business district of the City of Pflugerville. The study should utilize closed-circuit television (CCTV) inspection. Inspection will analyze approximately 11,000 feet of storm drain infrastructure. Evaluation will allow the design consultant to develop a storm drain maintenance and improvement plan.

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas. 6.1 Reduce the number of structures and critical facilities that are at high risk through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Estimated Study Cost

Cost \$250,000 Poten

Flood Manage	ement Evalua	ation (FM	E) _{study}		olorado-Lavac	
Title Hidden Lake Drive Improvem	nents at Wilbarger Creek Tributar	ry 200 (DMP WC-02)			NING GROU	
Sponsor (name of entity) Pflugervi	ille (Municipality)	ID# 10100	00233			
Technical committee recommend	X Yes No RFPG record	mmend X Yes No	Commitment X Ye	es No	REGION 10	
Study Type						
Emergency preparedness	Floodplain modeling, m	apping and risk assess	nent Feasik	bility study	x Preliminary project engi	neering
Other						
Problem Area		N				0
City Pflugerville	County Travis		130	《图示》		
Watershed Willbarger Creek-Col name(s)	lorado River			A A		H
Tributary(ies) Wilbarger Creek Tr	ributary 200					11-5
HUC# 12090301	Stream miles (est.) 0.15				The second	14
Drainage area: square miles, est	0.02 or acreage, est.	14	A M	AL AL		The second
Social vulnerability index 0.25 (SVI score 0.0 indicates least vulnerab	ble; 1.0 indicates most vulnerable			YO Y		
Other						The second

Hidden Lake Drive over Wilbarger Creek Tributary 200 currently floods during the 10-year storm event. The proposed improvement allows Hidden Lake Drive to pass the 100-year event. 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 <mark>0</mark>
Farm/Ranch land impacted (acres)	б	Roadway(s) impacted	l (miles)	0.07

Scope of Study

Conduct a study to evaluate proposed improvements. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), limited field survey and geotechnical investigations, 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). Potential improvements include replacing the fourteen 10' x 5' existing culverts with a 200-foot bridge span. Proposed improvements also include raising Hidden Lake Drive to an elevation of 644 feet, 3 feet higher than the current elevation. The 2022 City of Pflugerville Drainage Master Plan estimated potential costs of improvements totaling approximately \$4 million.

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas. 6.1 Reduce the number of structures and critical facilities that are at high risk through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Flood Management	t Evaluation	n (FME			Colorado-L	
Title Kennemer Drive Improvements at Wilbarg	ger Creek Tributary 200 (DMP	P WC-05)			NING GR	
Sponsor (name of entity) Pflugerville (Municip	vality)	ID# 1010002	.34			
Technical committee recommend X Yes	No RFPG recommend	X Yes No C	Commitment X Ye	es No	REGION 10	
Study Type						
Emergency preparedness Floodp	plain modeling, mapping ar	and risk assessmer	nt 📃 Feasib	ility study	× Preliminary pro	oject engineering
Other						
Problem Area		N				ENR O
City Pflugerville County	Travis		一人。但自己			
Watershed Willbarger Creek-Colorado River name(s)	r		45			H
Tributary(ies) Wilbarger Creek Tributary 200)		The second	130	THE PARTY	
HUC# 12090301 Stream miles	es (est.) 0.31		ST. A.		、"汉国国王"	
Drainage area: square miles, est 0.03 o	or acreage, est. 20					
Social vulnerability index 0.96 (SVI score 0.0 indicates least vulnerable; 1.0 indicates least	ates most vulnerable.)			4		
Other		A A A A A A A A A A A A A A A A A A A				No Con

Kennemer Drive over Wilbarger Creek Tributary 200 currently floods during the 5-year storm event. The proposed improvement allows Kennemer Drive to pass the 10-year event and significantly reduces the flooding depth and flood extents of the 100-year storm event. 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 8	Structures at ris	s 2	Critical	facilities at risk 0	
Farm/Ranch land impacted (acres)	2	Roadway(s) impacted	(miles)	0.08	

Scope of Study

Conduct a study to evaluate proposed improvements. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), limited field survey and geotechnical investigations, 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). Potential improvements include replacing the existing culverts with a 150 foot 3-span bridge and raising the roadway profile by 0.8 feet. Improvements also include widening and stabilizing the channel underneath the bridge. The 2022 City of Pflugerville Drainage Master Plan estimated potential costs of improvements totaling approximately \$3.1 million.

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas. 6.1 Reduce the number of structures and critical facilities that are at high risk through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Estimated Study Cost

Cost \$220,000

Flood Manag	gemen	t Evaluat	tion (FM	E) STUDY		Colorado-L	
Title North Heatherwilde Impro	vements at Upp	per Gilleland Creek (DM	MP GC-02)			INING GR	
Sponsor (name of entity) Pflug	erville (Munici	pality)	ID# 10100	00235			
Technical committee recomme	nd X Yes	No RFPG recomm	mend X Yes No	Commitment	X Yes No	REGION 10	
Study Type							
Emergency preparedness	Flood	Iplain modeling, map	pping and risk assessn	nent F	easibility study	× Preliminary pr	oject engineering
Other							
Problem Area			N				ETR O
City Pflugerville	County	^y Travis				Par Aller	
Watershed Willbarger Creek- name(s)	Colorado Rive	21		35			
Tributary(ies) Gilleland Creek							
HUC# 12090301	Stream mile	es (est.) 0.24		1 al al al	Salk 1		
Drainage area: square miles, es	t 0.03	or acreage, est. 19					
Social vulnerability index 0.220 (SVI score 0.0 indicates least vulne			ells Bra	inch		Pflugerville	
Other					Y.		

Multiple streets and residential areas experience flooding from Gilleland Creek. North Heatherwilde Boulevard over Gilleland Creek currently floods during the 50-year storm event. The proposed design allows North Heatherwilde Boulevard to pass the 100-year storm event, reduces flood risk for 8 homes, and relieves flooding on Cactus Blossom Drive. 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 risl	c 0	Critical	facilities at risk 0
Farm/Ranch land impacted (acres)	б	Roadway(s) impacte	d (miles)	0.03

Scope of Study

Conduct a study to evaluate proposed improvements. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), limited field survey and geotechnical investigations, 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). Potential improvements include include extending the North Heatherwilde bridge opening by 80 feet in the southern direction and 500 feet of channel improvements, including channel benching upstream and downstream of the North Heatherwilde Boulevard bridge. The 2022 City of Pflugerville Drainage Master Plan estimated potential costs of improvements totaling approximately \$8.5 million.

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas. 6.1 Reduce the number of structures and critical facilities that are at high risk through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Flood Manage	ement Evaluation	on (FME) study	Y Lower Colorad	
Title Railroad Avenue Improvement	ents at Upper Gilleland Creek (DMP GC	2-04)	PLANNING	
Sponsor (name of entity) Pfluger	ville (Municipality)	ID# 101000237		
Technical committee recommend	d X Yes No RFPG recommer	nd X Yes No Commitment	X Yes No REGION 1	0
Study Type				
Emergency preparedness	Floodplain modeling, mappir	ng and risk assessment	Feasibility study X Prelimina	ary project engineering
Other				
Problem Area		N		
City Pflugerville	County Travis			
Watershed Willbarger Creek-Co name(s)	olorado River			
Tributary(ies) Gilleland Creek		1ch	Pflugerville	
HUC# 12090301	Stream miles (est.) 0.70		Fundenville	
Drainage area: square miles, est	0.11 or acreage, est. 69			
Social vulnerability index 0.2229 (SVI score 0.0 indicates least vulnerable)			The shares and shares	
Other				

Multiple streets and residential areas experience flooding from Gilleland Creek. Railroad Avenue over Gilleland Creek currently floods during the 2-year storm event. The proposed design allows Railroad to pass the 10-year storm event and reduces flood risk for 16 homes. 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 90	Structures at risk	22	Critical	facilities at risk <mark>0</mark>	
Farm/Ranch land impacted (acres) 11		Roadway(s) impacted ((miles)	0.20	

Scope of Study

Conduct a study to evaluate proposed improvements. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), limited field survey and geotechnical investigations, 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). Potential improvements include raising Railroad Avenue 5 feet and widening the bridge opening by 220 feet. Proposed improvements also include 1,760 feet of channel improvements including channel benching downstream of Railroad Avenue. The 2022 City of Pflugerville Drainage Master Plan estimated potential costs of improvements totaling approximately \$16.8 million.

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas. 6.1 Reduce the number of structures and critical facilities that are at high risk through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Flood Managem	nent Evaluation	on (FME) stud	V Lower Colorado-Lavaca REGIONAL FLOOD
Title Swenson Farms Improvements at	Upper Gilleland Creek (DMP GC-	-03)	PLANNING GROUP
Sponsor (name of entity) Pflugerville (Municipality)	ID# 101000238	
Technical committee recommend X	Yes No RFPG recommer	nd X Yes No Commitmen	X Yes No REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, mappir	ng and risk assessment	Feasibility study X Preliminary project engineering
Other			
Problem Area		N	
City Pflugerville	County Travis		
Watershed Willbarger Creek-Colorac name(s)	do River		
Tributary(ies) Gilleland Creek			
HUC# 12090301 Strea	am miles (est.) 0.67		
Drainage area: square miles, est 0.09	or acreage, est. 54	Branch	Part Bas S
Social vulnerability index 0.48 (SVI score 0.0 indicates least vulnerable;	1.0 indicates most vulnerable.)		Pflugerville
Other			

Multiple streets and residential areas experience flooding from Gilleland Creek. Swenson Farms Boulevard over Gilleland Creek currently floods during the 100-year storm event. The proposed design allows Swenson Farms Boulevard to pass the 100-year storm event, reduces flood risk for 10 homes, and relieves flooding on Pfenning Lane. 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 ri	sk 0	Critical	facilities at risk 0
Farm/Ranch land impacted (acres)	18	Roadway(s) impacted	d (miles)	0.09

Scope of Study

Conduct a study to evaluate proposed improvements. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), limited field survey and geotechnical investigations, 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). Potential improvements include extending the bridge opening by 50 feet to the north, 200 linear feet of channel improvements, including channel benching upstream and downstream of Swenson Farms Boulevard, and a 2,000 foot embankment adjacent to Pfennig Lane to contain the floodplain. The 2022 City of Pflugerville Drainage Master Plan estimated potential costs of improvements totaling approximately \$5.2 million.

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas. 6.1 Reduce the number of structures and critical facilities that are at high risk through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Estimated Study Cost

Cost \$370,000

Flood Manage	ment Evaluati	on (FME) stu	DY Lower Colorado-Lavaca REGIONAL FLOOD
Title Weiss Lane Improvements at W	Wilbarger Creek (DMP WC-01)		PLANNING GROUP
Sponsor (name of entity) Pflugervil	lle (Municipality)	ID# 101000239	
Technical committee recommend	X Yes No RFPG recomme	end X Yes No Commitme	ent X Yes No REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, mapp	ing and risk assessment	Feasibility study X Preliminary project engineering
Other			
Problem Area		N	
City Pflugerville	County Travis		
Watershed Willbarger Creek-Colo name(s)	orado River		
Tributary(ies) Wilbarger Creek			
HUC# 12090301 S	tream miles (est.) 0.30		
Drainage area: square miles, est 0	0.02 or acreage, est. 16		CAR A CARAGE
Social vulnerability index 0 (SVI score 0.0 indicates least vulnerable)	le; 1.0 indicates most vulnerable.)		130
Other			

Weiss Lane over Wilbarger Creek currently floods during the 50-year storm event. The proposed improvement allows Weiss Lane to pass the 100-year storm event. 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 ris	k 0	Critical	facilities at risk 0
Farm/Ranch land impacted (acres) 7		Roadway(s) impacted (miles)	0.13

Scope of Study

Conduct a study to evaluate proposed improvements. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), limited field survey and geotechnical investigations, 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). Potential improvements include raising the roadway profile 4 feet to the south of the Weiss Lane bridge, adding six 10'x5' drainage relief culverts under the newly raised profile, and adding a 100' wide bypass channel to allow flow through the culverts. The 2022 City of Pflugerville Drainage Master Plan estimated potential costs of improvements totaling approximately \$1.6 million.

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas. 6.1 Reduce the number of structures and critical facilities that are at high risk through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Flood Manag	gemen	t Evaluat	ion (FM	E) STUDY		r Colorado-	
Title Town of Boling Drainage	Master Plan					NNING G	
Sponsor (name of entity) What	ton (County)		ID# 10100	00240			
Technical committee recomme	nd X Yes	No RFPG recomm	end X Yes No	Commitment	X Yes No	REGION 10	
Study Type							
Emergency preparedness	Flood	plain modeling, mapp	oing and risk assessr	ment I	Feasibility study	x Preliminary p	roject engineering
Other							
Problem Area			N				DR O
City Boling	County	Wharton					
Watershed Caney Creek name(s)				La	go	442	
Tributary(ies) TBD			28	17	Boli	ng	A A A
HUC# 12090402	Stream mile	es (est.) TBD		Select 1			
Drainage area: square miles, es	t 0.94	or acreage, est. 602			K Stall	1301	Newgulf
Social vulnerability index 0.76 (SVI score 0.0 indicates least vulne	erable: 1.0 india	cates most vulnerable)	1096				24
Other	<i>fubic</i> , 1.0 <i>mul</i> c						AS M

Town of Boling floods frequently due to poor existing drainage infrastructure. Known concerns include undersized roadside ditch sizes, and an undersized storm drain system. 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 ris	k 14	Critical	facilities at risk 0	
Farm/Ranch land impacted (acres)	37	Roadway(s) impacted	(miles)	0.09	

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, adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructibility), and will include InfoWorks ICM and RAS 2D analysis of the urban center of Boling. It will also include a regional evaluation of flooding from Caney Creek.

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Estimated Study Cost

Cost \$150,000

Flood Management	nt Evaluati	on (FMI	E) STUDY	Y	Colorado-Lavaca ONAL FLOOD
Title Louise Drainage Master Plan					NING GROUP
Sponsor (name of entity) Wharton (County)	l de la constante de	ID# 10100)0241		
Technical committee recommend X Yes	No RFPG recommen	nd X Yes No	Commitment	X Yes No	REGION 10
Study Type					
Emergency preparedness Flo	odplain modeling, mappi	ng and risk assessn	nent x F	Feasibility study	Preliminary project engineering
Other					
Problem Area		N	THE REAL PROPERTY.		
City Louise Cou	nty Wharton		ALC: N		
Watershed East Mustang Creek and Mide name(s)	lle Mustang Creek			FPE J	
Tributary(ies) TBD			SHOP		
HUC# 12100102 Stream m	niles (est.) TBD			Louise	
Drainage area: square miles, est 8.27	or acreage, est. 5,29	5			
Social vulnerability index 0.49 (SVI score 0.0 indicates least vulnerable; 1.0 in	dicates most vulnerable.)	75			
Other					

Flood Risk from Middle Mustang Creek and East Mustang Creek, Local drainage flood risk.

Population at risk 63

Structures at risk 50

Farm/Ranch land impacted (acres) 1,123

Critical facilities at risk 0

123 Roadway(s) impacted (miles)

cted (miles) 5.15

Scope of Study

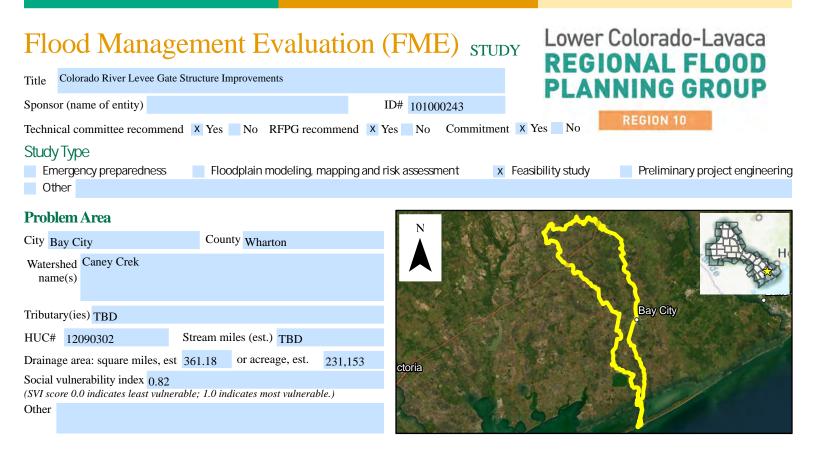
The flood study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall) to identify priority flood risk areas, preliminary design of improvements, risk reduction analysis, adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructibility).

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Estimated Study Cost

Cost \$150,000



City of Bay City is protected by the Colorado River East Levee. Many of the culverts under this levee have need of a gate structure or improved gate structure to protect the City from an extreme flood along the Colorado River.

Population at risk 6.869

Structures at risk 3.531

Farm/Ranch land impacted (acres) 83,083

Critical facilities at risk 4 152.56

Scope of Study

Conduct a study to evaluate benefit-costs and define construction cost for new gate structures along the Eastern Colorado River Levee near Bay City, TX. 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, adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructibility).

Roadway(s) impacted (miles)

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Estimated Study Cost

Cost \$100,000

Flood Manage	ment Evaluation	on (FME	E) STUDY		Colorado-Lavaca ONAL FLOOD
Title El Lobo Neighborhood Draina	ge Improvements				NING GROUP
Sponsor (name of entity) Wharton	(County)	ID# 101000	1244		
Technical committee recommend	X Yes No RFPG recommen	d X Yes No	Commitment X Y	'es No	REGION 10
Study Type Emergency preparedness Other	Floodplain modeling, mappir	ng and risk assessme	ent x Feasil	bility study	Preliminary project engineering
Problem Area		N			
City _{N/A}	County Wharton		Contraction of the second	13:201	
Watershed San Bernard River name(s)					
Tributary(ies) TBD		1			in diale
HUC# 12090401 S	tream miles (est.) TBD	1 A	a harden a		18 1 4 8 1 1 8 1 1 8 1 1 1 1 1 1 1 1 1 1
Drainage area: square miles, est 1	.97 or acreage, est. 1,262	8. (n) -	Star 2		LE MADA
Social vulnerability index 0.81 (SVI score 0.0 indicates least vulnerable	le; 1.0 indicates most vulnerable.)			ha	THE WAY
Other			1 sh	In	

Flood risk from the San Bernard River exceeds local drainage capacity resulting in localized flooding in the El Lobo subdivision. Unsafe conditions limit neighborhood ingress/egress. The existing risk factors 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 223

Structures at risk 136

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 562

Roadway(s) impacted (miles) 5.68

Scope of Study

Conduct a study to evaluate benefit-costs and define construction cost for levee improvements, channel improvements, and drainage improvements. Study will include hydro modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cos! evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructibility),

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Estimated Study Cost

Cost \$50,000

Flood Manag	çemei	nt Evalua	ation (FN	(E) STUD		r Colorado-Lavad	
Title Pecan Valley Phase 2 Prel	iminary Engir	eering Report				NNING GROU	
Sponsor (name of entity) What	ton (County)		ID# 10	1000245			
Technical committee recomme	nd X Yes	No RFPG reco	mmend X Yes N	lo Commitment	t X Yes No	REGION 10	
Study Type							
Emergency preparedness	Floo	odplain modeling, m	napping and risk asse	ssment x	Feasibility study	Preliminary project eng	ineering
Other							
Problem Area					1 mil		0
City _{N/A}	Cour	nty Wharton			ALC: Y	60	
Watershed Colorado River name(s)				and the			H
Tributary(ies) TBD				1-1-	SA SA		
HUC# 12090302	Stream m	iles (est.) TBD	-	11 31	IN NOS		1 de
Drainage area: square miles, es	st 2.29	or acreage, est.	1,466		109	C. REAL	19.
Social vulnerability index 0.79 (SVI score 0.0 indicates least vulne	erable; 1.0 in	dicates most vulnerabl	le.)	2	CAL		P.F.
Other				AR		1	

Flood Risk from local drainage as well as overflows from the Colorado River inundate county roads causing unsafe conditions for motorists using the roads for neighborhood ingress/egress. The existing risk factors 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 141

Structures at risk 86

Roadway(s) impacted (miles)

Farm/Ranch land impacted (acres) 1,320

Critical facilities at risk 0 4.67

Scope of Study

Conduct a study to evaluate benefit-costs and define construction cost for levee improvements, channel improvements, and drainage improvements. Study will include hydro modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cos! evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructibility),

Related Goal(s)

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

Estimated Study Cost

Cost \$100,000

Flood Manage	ement Evaluation	on (FME) STUDY	Lower Colorado-Lavaca REGIONAL FLOOD
Title Riverwood Drive Improvem	nents at Piney Creek (DMP PC-02)		PLANNING GROUP
Sponsor (name of entity) Bastrop	o (Municipality)	ID# 101000246	
Technical committee recommend	d X Yes No RFPG recommen	nd X Yes No Commitment	X Yes No REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, mappi	ng and risk assessment	easibility study X Preliminary project engineering
Other			
Problem Area		N	
City Bastrop	County Bastrop		
Watershed Piney Creek-Colorad name(s)	do River		
Tributary(ies) Piney Creek		969	95
HUC# 12090301	Stream miles (est.) 1.79	W ZE A	
Drainage area: square miles, est	0.26 or acreage, est. 166		Bas
Social vulnerability index 0.6			21 Bastrop
(SVI score 0.0 indicates least vulnera) Other	able; 1.0 indicates most vulnerable.)		Bastrop
ould		20	

Riverwood Drive becomes flooded by Piney Creek during the 50% ACE storm event. The proposed design prevents Riverwood Drive from overtopping during the 10% ACE storm event and reduces, but does not eliminate, overtopping during the 4% ACE storm event. 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 8	Structures at risk	5 10	Critica	l facilities at risk 1
Farm/Ranch land impacted (acres) 85		Roadway(s) impacted	(miles)	0.54

Scope of Study

Conduct a study to evaluate proposed improvements. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), limited field survey and geotechnical investigations, 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). Potential improvements include raising Riverwood Drive by approximately 17.25 feet, 375 feet of roadway improvements, replacing the existing culverts with a 210-foot bridge, 8,125 linear feet of channel clearing, and approximately 280 linear feet of channel improvements. The 2023 City of Bastrop Drainage Master Plan estimated potential costs of improvements totaling approximately \$2.3 million.

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas. 6.1 Reduce the number of structures and critical facilities that are at high risk through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Estimated Study Cost

Cost \$160,000 Potential