	FME Batch 3							9-Jun-22
Ī	Action Number	Action Name	County	Batch Page Number	TC Rec	Tech Committee Rec	RFPG Rec	RFPG Rec
				0	(Y/N)	Date	(Y/N)	Date
	101000009	Pecan Shores Subdivision	Bastrop	1	Yes	5/25/2022		
Ī	101000010	Hidden Shores Subdivision	Bastrop	2	Yes	5/25/2022		
	101000011	Waters Edge Terrace Subdivision	Bastrop	3	Yes	5/25/2022		
	101000026	Smithville Recreation Center Expansion	Bastrop	4	Yes	5/25/2022		
-	101000155	Taylor Lane Drainage Improvements	Bastrop	5	Yes	5/25/2022		
Batch 3A	101000156	Stormwater Detention at Morris Park	Bastrop	6	Yes	5/25/2022		
atc	101000105	Update and Maintain Emergency Management Plan	Blanco	7	Yes	5/25/2022		
ŝ	101000138	Dam Emergency Action Plan	Burnet	8	Yes	5/25/2022		
	101000165	Whitman Branch Regional Detention Pond	Burnet	9	Yes	5/25/2022		
	101000166	Ave J Bridge Replacement	Burnet	10	Yes	5/25/2022		
	101000167	Broadway Street at Whitman Branch Low Water Crossing	Burnet	11	Yes	5/25/2022		
	101000168	1431/281 Detention	Burnet	12	Yes	5/25/2022		
	101000169	Backbone Branch Detention Pond	Burnet	13	Yes	5/25/2022		
	101000170	Marble Falls Creek Walk	Burnet	14	Yes	5/25/2022		
	101000172	2nd Street at Backbone Creek Low Water Crossing	Burnet	15	Yes	5/25/2022		
	101000173	Ave L at Whitman Creek Low Water Crossing	Burnet	16	Yes	5/25/2022		
~	101000174	Broadway at Backbone Creek Low Water Crossing	Burnet	17	Yes	5/25/2022		
Batch 3B	101000119	Frisch Auf Buyout	Fayette	18	Yes	5/25/2022		
atcl	101000120	Flood Proof Wastewater Treatment Plants	Fayette	19	Yes	5/25/2022		
ŝ	101000178	Low Water Crossing's at 4 Locations	Gillespie	20	Yes	5/25/2022		
	101000061	Prepare Evacuation Plan	Hays	21	Yes	5/25/2022		
	101000126	Flood Proofing Repetitive Loss Structure	Hays	22	Yes	5/25/2022		
	101000153	City of Buda Garlic Creek Culvert	Hays	23	Yes	5/25/2022		
	101000064	Land Purchase for New EMS/Fire/Police Building	Jackson	24	Yes	5/25/2022		
	101000127	Wastewater Treatment Plant Floodproofing	Jackson	25	Yes	5/25/2022		
	101000128	City Hall Hardening and Safe Room	Jackson	26	Yes	5/25/2022		
	101000065	Jackson County Hospital District	Jackson	27	Yes	5/25/2022		
	101000068	Lake Junction Dredging	Kimble	28	Yes	5/25/2022		
υ	101000072	Prepare Evacuation Plan	Llano	29	Yes	5/25/2022		
Batch 3C	101000130	Relocate Fire Department Building	Llano	30	Yes	5/25/2022		
atc	101000175	102 Beach Drive Low Water Crossing	Llano	31	Yes	5/25/2022		
-	101000176	124 Sunrise Drive Low Water Crossing	Llano	32	Yes	5/25/2022		
	101000074	Construct Emergency Operation Center	Matagorda	33	Yes	5/25/2022		
	101000131	Police Station Relocation and Safe Room	Matagorda	34	Yes	5/25/2022		
	101000181	Harris Hallow Neighborhood Flooding	Menard	35	Yes	5/25/2022		
	101000080	Community Evacuation Plan	Travis	36	Yes	5/25/2022		
	101000083	Community Evacuation Plan	Travis	37	Yes	5/25/2022		
	101000085	Create Emergency Evacuation Plan	Travis	38	Yes	5/25/2022		
	101000088	Review and Update Floodplain Management Plan	Travis	39	Yes	5/25/2022		
0	101000089	Develop an Emergency Operations and Evacuation Plan	Travis	40	Yes	5/25/2022		
Batch 3D	101000164	East Reed Park Road Flooding	Travis	41	Yes	5/25/2022		
atc	101000091	Harden City Buildings, Critical Infrastructure	Victoria	42	Yes	5/25/2022		
-	101000095	Identify and Buyout Repetitive Loss Properties	Victoria	43	Yes	5/25/2022		
	101000098	Tres Palacios, Blue Creek, East Mustang Creek	Victoria	44	Yes	5/25/2022		
	101000096	Harden County Buildings, Critical Infrastructure, and Government	Victoria	45	Yes	5/25/2022		
	101000099	Use Digital Maps of All Hazards and Educate Residents	Wharton	46	Yes	5/25/2022		

Flood Mana	gement Evalua	ation (FME) STUDY	Lower Colorado-Lavaca REGIONAL FLOOD
Title Pecan Shores Subdivis	ion	ID# 101000009	PLANNING GROUP
Sponsor (name of entity) Bas	trop (County)	Commitment X Yes No	
Technical committee recomm	nend 🗙 Yes 📃 No 🛛 RFF	PG recommend Yes No	REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, map	oping and risk assessment X	Feasibility study Preliminary project engineering
Other			
Problem Area		N	
City N/A	County Bastrop	536.8	
Watershed Willow Creek - Co name(s)	olorado River		
Tributary(ies) Unnamed Tribu	ıtary		Pee
HUC# 12090301	Stream miles (est.) TBD	1 May 123	
Drainage area: square miles,	est 0.05 or acreage, est. 29	and the second	in of the second se
Social vulnerability index 0.62 (SVI score 0.0 indicates least vuln	1 erable; 1.0 indicates most vulnerable.)		
Other Voluntary buyout of h	omes in 100-year FP (48 homes)	a little	

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 144

Structures at risk 48

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

Flood Manag	ement Evaluat	ion (FME) _{STUDY}	Lower Colorado-Lavaca REGIONAL FLOOD
Title Hidden Shores Subdivisio	on	ID# 101000010	PLANNING GROUP
Sponsor (name of entity) Bastro	p (County)	Commitment 🗙 Yes 📃 No	
Technical committee recommen	d 🗙 Yes 📃 No 🛛 RFPG ı	recommend Yes No	REGION 10
Study Type			
Emergency preparedness Other	Floodplain modeling, mappir	ng and risk assessment X F	easibility study Preliminary project engineering
Problem Area		E N	
City N/A	County Bastrop		
Watershed Willow Creek - Color name(s) River	rado River, Little Piney Creek - Color	rado	
Tributary(ies) Unnamed Tributa	ry		
HUC# 12090301	Stream miles (est.) TBD		
Drainage area: square miles, est	0.14 or acreage, est. 89	A CONTRACTOR	The second secon
Social vulnerability index 0.61 (SVI score 0.0 indicates least vulnera	ble; 1.0 indicates most vulnerable.)		A Company of the State
Other Voluntary buyout of hom	es in floodway (22 homes)		BARS DESERVE

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 39

Structures at risk 22

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

Flood Mana	gement Evalua	Lower Colorado-Lavaca REGIONAL FLOOD	
Title Waters Edge Terrace Se	ubdivision	ID# 101000011	PLANNING GROUP
Sponsor (name of entity) Bast	trop (County)	Commitment X Yes No	
Technical committee recommend X Yes No RFPG		G recommend Yes No	REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, map	ping and risk assessment X Fe	asibility 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		A A A A A A A A A A A A A A A A A A A
HUC# 12090301	Stream miles (est.) TBD		Wath Brank and Aller Barth
Drainage area: square miles, e	est 0.05 or acreage, est. 34	Colorado	
Social vulnerability index 0.61 (SVI score 0.0 indicates least vulne	L erable; 1.0 indicates most vulnerable.)	ado Riu	
Other Voluntary buyout of ho	omes in 100-year FP (12 homes)		

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 36

Structures at risk 12

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 Management Evaluat	Lower Colorado-Lavaca REGIONAL FLOOD	
Title Smithville Recreation Center Expansion	ID# 101000026	PLANNING GROUP
Sponsor (name of entity) Smithville (Municipality)	Commitment X Yes No	
Technical committee recommend X Yes No RFPG	recommend Yes No	REGION 10
Study Type		
Emergency preparedness Floodplain modeling, mapp	ing and risk assessment 🛛 🗙 Fea	sibility study Preliminary project engineering
Other		
Problem Area	N	WAY 20d St
City Smithville County Bastrop	and the second	
Watershed Willow Creek - Colorado River name(s)	N BORRON SC	
Tributary(ies) Unnamed Tributary		all Martin
HUC# 12090301 Stream miles (est.) TBD		
Drainage area: square miles, est 0.00 or acreage, est. 2	· ()	B Carden
Social vulnerability index 0.61 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)	Children Description	IN USE ST.
Other Structure/Infrastructure	Yaine "	IW 1st St

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

Population at risk 0

Structures at risk 0

Critical facilities at risk 0 (miles) TBD

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

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

Cost \$100,000

Flo	od Manag	geme	<pre>v Lower Colorado-Lavaca REGIONAL FLOOD</pre>				
Title	Taylor Lane Drainage Im	provement	5		ID# 101000155	PLANNING GROUP	
Sponsor (name of entity) Elgin (Municipality)				Commitment 🗙 Yes 📃 Nc	0		
Technic	al committee recomme	nd 🗙 Yes	No	RFPG reco	ommend Yes No	REGION 10	
Study	Туре						
Em	ergency preparedness	Floo	dplain modeling, r	mapping a	and risk assessment X	Feasibility study Preliminary project engineeri	ng
Oth	ner						
Proble	em Area				N		
City El	gin	Coun	ty Bastrop				
	hed Elm Creek - Dry Cre e(s) Big Sandy Creek	eek, Little Sa	ndy Creek, Little S	andy Cree	*-		
Tributa	ry(ies) Burlson Creek				G	109	1
HUC#	12090301	Stream m	iles (est.) TBD			A A A A A A A A A A A A A A A A A A A	1
Drainag	ge area: square miles, es	st 2.09	or acreage, est.	1,340	US-20	E 2nd St	
	vulnerability index 0.61 re 0.0 indicates least vulner	rable; 1.0 indi	cates most vulnerab	le.)	40 42	Elgin	Carlo and
Other	Roadway/Crossing Impr	ovements &	Channel Improve	ments			and and

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

0.18

Farm/Ranch land impacted (acres) 112

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).

Roadway(s) impacted (miles)

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 Manage	ement Evaluat	Lower Colorado-Lavaca REGIONAL FLOOD	
Title Storm Water Detention a	t Morris Park	ID# 101000156	PLANNING GROUP
Sponsor (name of entity) Elgin (N	Municipality)	Commitment X Yes No	
Technical committee recommend	d 🗙 Yes 📃 No 👘 RFPG 🛙	recommend Yes No	REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, mappir	ng and risk assessment 📃 Fea	asibility study X Preliminary project engineering
Other			
Problem Area		N 109-L	
City Elgin	County Bastrop		op u
Watershed Little Sandy Creek name(s)			12:109-LOOP
Tributary(ies) Unnamed Tributar	γ	A SALAR ST	N Juge Man III
HUC# 12090301	Stream miles (est.) TBD	6	TVenue C S M T
Drainage area: square miles, est	0.17 or acreage, est. 107		her and a state of the set of the
Social vulnerability index 0.61 (SVI score 0.0 indicates least vulneral	ble; 1.0 indicates most vulnerable.)	3	Elgin Enst St
Other Regional Detention		O ALS T	W 1st St

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 375

Scope of Study

Structures at risk 125

Critical facilities at risk 0 TBD

Farm/Ranch land impacted (acres) 0

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).

Roadway(s) impacted (miles)

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 Manage	ment Evaluati	on (FME) _{STUDY}	Lower Colorado-Lavaca REGIONAL FLOOD
Title Update and Maintain Emerg	ency Management Plan	ID# 101000105	PLANNING GROUP
Sponsor (name of entity) Blanco (Co	ounty)	Commitment 🗙 Yes 📃 No	
Technical committee recommend	🗙 Yes 📃 No 🛛 RFPG re	ecommend Yes No	REGION 10
Study Type			
X Emergency preparedness	Floodplain modeling, mappin	g and risk assessment	Feasibility study Preliminary project engineering
Other			
Problem Area		N	
City N/A	County Blanco		
Watershed Multiple Watersheds name(s)		Fredericksburg	
Tributary(ies) Unnamed Tributary			
HUC# 12090201,12090205 Str	ream miles (est.) TBD		
Drainage area: square miles, est 71	0.98 or acreage, est. 455,0	29	
Social vulnerability index 0.07 (SVI score 0.0 indicates least vulnerable;	1.0 indicates most vulnerable.)		
Other Local Plans & Regulations		A Martine	San Marcoo

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

Population at risk 665

Structures at risk 294

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 25,476

Roadway(s) impacted (miles) 15.31

Scope of Study

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

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., 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 Evaluat	ion (FME) STUDY Lower Colorado-Lavaca REGIONAL FLOOD
Title Dam Emergency Action Plan	ID# 101000138 PLANNING GROUP
Sponsor (name of entity) Burnet (Municipality)	Commitment X Yes No
Technical committee recommend X Yes No RFPG	ecommend Yes No
Study Type	
X Emergency preparedness Floodplain modeling, mappi	g and risk assessment Feasibility study Preliminary project engineering
Other	
Problem Area	N R C
City Burnet County Burnet	
Watershed Clear Creek - Inks Lake, Headwaters Hamilton Creek name(s)	Burnet
Tributary(ies) Unnamed Tributary	
HUC# 12090201,12090205 Stream miles (est.) TBD	Gandy
Drainage area: square miles, est 10.79 or acreage, est. 6,90	
Social vulnerability index 0.19	
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.) Other Local Plans & Regulations	

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

Population at risk 807

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 Mana	gement Evaluat	tion (FME) _{STUDY}	Lower Colorado-Lavaca REGIONAL FLOOD
Title Whitman Branch Regio	onal Detention Pond	ID# 101000165	PLANNING GROUP
Sponsor (name of entity) Mar	ble Falls (Municipality)	Commitment X Yes No	
Technical committee recomme	end 🗙 Yes 📃 No 🛛 RFPG	recommend Yes No	REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, mappi	ing and risk assessment Fe	asibility study X Preliminary project engineering
Other			
Problem Area		N	
City Marble Falls	County Burnet		
Watershed Backbone Creek name(s)			
Tributary(ies) Whitman Branc	:h		
HUC# 12090205	Stream miles (est.) TBD		
Drainage area: square miles, e	est 0.67 or acreage, est. 431		38
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulne) erable; 1.0 indicates most vulnerable.)	L Maria	S HIGH NO.
Other Regional Detention			Eg

The area of concern along Whitman Branch 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 60

Structures at risk 20

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 23

Structures at HSK 20

Roadway(s) impacted (miles) 0.18

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

Flood Management Ev	aluation (I	FME) STUDY		orado-Lavaca
Title Ave J Bridge Replacement	ID#	101000166		NG GROUP
Sponsor (name of entity) Marble Falls (Municipality)	Commitr	nent 🗙 Yes 📃 No		
Technical committee recommend 🗙 Yes 📃 No	RFPG recommend	Yes No	RE	GION 10
Study Type				
Emergency preparedness Floodplain mode	eling, mapping and risk a	ssessment Feas	sibility study 🛛 🗙	Preliminary project engineering
Other				
Problem Area	Г	N		
City Marble Falls County Burnet				
Watershed Backbone Creek name(s)		rungsland		HI H
Tributary(ies) Unnamed Tributary				
HUC# 12090201,12090205 Stream miles (est.) TE	D	Sal 15		ALAS A REAL
Drainage area: square miles, est 40.20 or acreage	, est. 25,726	Lake		
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vu	Inerable.)	Lyndon B Johnson	Ma	rble Falls
Other Roadway/Crossing Improvements		2		

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 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

uctures at risk U

Roadway(s) impacted (miles) 0.50

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	ement Evalu	ation (FME) STUDY	Lower Colorado-Lavaca REGIONAL FLOOD
Title Broadway Street at White	man Branch Low Water Crossi	ng ID# 101000167	PLANNING GROUP
Sponsor (name of entity) Marble	e Falls (Municipality)	Commitment X Yes No	
Technical committee recommen	nd 🗙 Yes 📃 No 🛛 🦷 R	RFPG recommend Yes No	REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, m	happing and risk assessment	Feasibility study X Preliminary project engineering
Other			
Problem Area		N	
City Marble Falls	County Burnet		
Watershed Hamilton Creek - Lak name(s)	ke Travis		281
Tributary(ies) Whitman Branch			
HUC# 12090205	Stream miles (est.) TBD	A CAL	Shides 70 - Ales
Drainage area: square miles, est	5.65 or acreage, est.	3,617	M CARLAN SEANNER TO
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulnera	able; 1.0 indicates most vulnerable	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1431
Other Roadway/Crossing Impro	ovements & Channel Improvem	nents	Marble Falls

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 0

Structures at risk 0

Farm/Ranch land impacted (acres) 0

Critical facilities at risk 0 0.20

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 (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost \$100,000

Flood Manag	gement Evalua	Lower Colorado-Lavaca REGIONAL FLOOD	
Title 1431/281 Detention		ID# 101000168	PLANNING GROUP
Sponsor (name of entity) Marble Falls (Municipality)		Commitment X Yes No	
Technical committee recommer	nd 🗙 Yes 📃 No 🛛 RFF	PG recommend Yes No	REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, map	oping and risk assessment X F	easibility study Preliminary project engineering
Other			
Problem Area		N	
City Marble Falls	County Burnet		
Watershed Backbone Creek name(s)			
Tributary(ies) Unnamed Tributa	ary		the second of the second of the
HUC# 12090205	Stream miles (est.) TBD	FM 1387	
Drainage area: square miles, es	t 1.20 or acreage, est. 76	58	
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulnera	able; 1.0 indicates most vulnerable.)	MarbleF	alls
Other Regional Detention			

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 18

Structures at risk 5

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 18

Roadway(s) impacted (miles) 0.09

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.

Estimated Study Cost