

Region 11: Guadalupe Regional Flood Planning Group Meeting

Wednesday, November 2, 2022 2:00pm

Agenda Item 1 Call to Order

- 1. Attendance
- 2. Individuals attending in-person, please sign-in

Agenda Item 2 Welcome

Agenda Item 3
Approval of
Meeting Minutes

Approval of meeting minutes from
 September 7, 2022 and September 21,
 2022 Region 11 RFPG Meetings.

Meeting Minutes

Region 11 Guadalupe Regional Flood Planning Group Meeting September 7, 2022 at 4:30 PM

Upper Guadalupe River Authority Auditorium (125 Lehmann Dr., Kerrville, TX 78028)

Roll Call:

Voting Member	Interest Category	Present (x) / Absent () / Alternate
		Present (*)
Doug Miller	Agricultural	X
Melissa Reynolds*	Agriculturui	
John Johnston	Counties	X
Lon Shell	Counties	X
Bobby Christmas	Electric Generating Utilities	
Annalisa Peace Bill Barker*	Environmental	X
Doug Sethness Jennifer Urban*	Flood districts	X
Kevin Stone	Industries	
Joseph Pantalion	Municipalities	X
John Espinoza*	Municipalities	
Ken Gill	Municipalities	
Dr. Kimberly Meitzen	Public	X
R. Brian Perkins Charlie Hickman*	River Authorities	X
Ray Buck	B: 4 // ''	*
Tara Bushnoe*	River Authorities	
Gian Villarreal	Consult Business	
Tami Norton*	Small Business	
Ronald (Ron) Fieseler	Water Districts	Х
Ben Eldridge*	Water Districts	
Steven Fonville	Water Utilities	

Non-voting Member	Agency	Present(x)/Absent()/ Alternate Present (*)
Sue Reilly	Texas Parks and Wildlife Department	Х
Beth Bendik*		
Hollie Hischer Bierbauer	Texas Division of Emergency Management	
Jami McCool	Texas Department of Agriculture	X
Kristin Lambrecht*	Texas Department of Agriculture	
Allen Nash	Texas State Soil and Water Conservation	
	Board	
Kris Robles	General Land Office	
Teresa Williams*	General Land Office	
Ryke Moore	Texas Water Development Board (TWDB)	X
Joel Klumpp	Texas Commission on Environmental	
	Quality	
Don Durden	Public	X
Doris Cooksey	Region 12 Liaison	
Patrick Brzozowski Scott Hartl*	Region 10 Liaison	

Quorum:

Quorum: Yes

Number of voting members or alternates representing voting members present: 10

Number required for quorum per current voting positions of 15: 8

Other Meeting Attendees:

Lauren Willis, GBRA (Facilitator)

Jay Scanlon, Freese & Nichols, Inc.

Betty Murphy, Citizen

R. Murphy, Citizen

Adam Conner, Freese & Nichols, Inc.

Velma Danielson, Blanton & Associates

Doris & James Reeh, Citizen

Larry Luttrell, Assistant Fire Chief

Alicia Reinmund-Martinez, Blanton & Associates T. Beck Gipson, Kerry County

Jonathan Letz, Kerr County

Rosa, Lavender Hill Country Community Journal

Donald Jackson, Broker/Owner

Carly Farmer, City of New Braunfels

Kurt Solis, Comfort Citizen

Charlie Hastings, Kerr County
Shirley Solis Comfort Chamber

Kyle Burow City of Kerrville

Charlie Hastings, Kerr County
Diane McMahon, UGRA
William B. Thomas

Kelly, Kerr County

Roger D. Mathews, Kerrville Daily Times
Scott Loveland, City of Kerrville

Irene Van Winkle, West Kerr Current

Amy Sinclair, Comfort Citizen

Jose Morales, Hill Country Community Journal

Mandy & Emmanuel Flatten, Comfort Citizen Frank Chamberlain, Kendall County WCID #1

All meeting materials are available for the public at: http://www.guadalupeRFPG.org

AGENDA ITEM NO. 1: Call to Order

Chairman Miller called the meeting to order at 4:35PM. Lauren Willis called roll of the planning group members to record attendance and a quorum was established.

AGENDA ITEM NO. 2: Welcome

Chairman Miller welcomed members to the meeting.

AGENDA ITEM NO. 3: Approval of Minutes from the July 27, 2022 Region 11 RFPG Meeting

Chairman Miller opened discussion on approving the minutes from the July 27, 2022 Region 11 RFPG Meeting.

A motion was made by Doug Sethness to approve the July 27, 2022 Region 11 RFPG Meeting minutes. John Johnston seconded the motion. The meeting minutes were approved by consensus.

AGENDA ITEM NO. 4: Region 11 Guadalupe RFPG Chair Updates

Chairman Miller did not have any updates for the RFPG.

AGENDA ITEM NO. 5: Texas Water Development Board (TWDB) Updates

Ryke Moore stated that TWDB staff is reviewing the Draft Plan that was submitted by Region 11.

AGENDA ITEM NO. 6: Guadalupe Region 11 RFPG Sponsor Guadalupe-Blanco River Authority (GBRA) Updates

Lauren Willis did not have any updates for the RFPG.

AGENDA ITEM NO. 7: Discussion and potential action regarding Region 11 RFPG Technical Consultants work and schedule.

a. Discussion and possible action approving the list of Flood Mitigation Evaluations (FMEs) for Task 12.

Jay Scanlon reviewed Task 12 and the objectives to identify FMEs that can be turned into a Flood Mitigation Projects (FMPs) for the amended plan. The list will be brought to the November 2, meeting. No action was taken on this item.

AGENDA ITEM NO.8: Consider date and agenda items for next meeting

The next meeting will be held on November 2, 2022. A meeting will not be held in October.

AGENDA ITEM NO. 9: Presentation: Overview of Regional Flood Planning Process and Draft Guadalupe Regional Flood Plan, Chairman Doug Miller and Jay Scanlan, PE, CFM, ENV-SP – Freese & Nichols

Chairman Miller welcomed members to the meeting and reviewed the planning process of the Region 11 RFPG. Jay Scanlan can an overview of the components making up the Draft Regional Flood Plan.

AGENDA ITEM NO. 10: Public Input: The RFPG is soliciting public input regarding the Draft Region 11 Guadalupe Regional Flood Plan (as required per Texas Water Code §16.062(f) and 31 Texas Administrative Code §361.21(h)(3) (A, F)).

Chairman Miller reviewed the process for giving public comments and opened the floor to attendees. Two public comments were received by Betty Murphy and Emmanuel Flatten.

Betty Murphy:

- Planning group must consider the small towns.
- In 1978, Comfort was under water- 3 lives lost and millions of dollars of property damage.
- Nothing has been done to prevent a similar flood from happening again.
- If another flood happens, there will be a loss of 100 lives.
- Recommends that sensors (from USGS) should be installed in Cypress Creek in Comfort. These sensors could provide an early warning system for local officials to learn about a possible flood.
- USGS has determined the best location and determine the costs of a sensor.

Emmanuel Flatten:

- Something needs to be done in Comfort
- In 2011 he became President of the Comfort floodplain coalition.

- The issues are bifurcated split between Kerr & Kendall counties with Comfort being an unincorporated town.
- This makes it hard to get things done. So, the solution must be approached on a regional level.
- As mentioned by the previous speaker, Comfort officials needs an early warning system.
- In 2016, Hwy 27 bridge, a woman drowned during the flood outside of his door.
- Volunteer fire department staff had no warning on the last flood. They need an early warning system.
- No cost/benefit analysis for human life. Pamphlets telling us to move to somewhere else.

AGENDA ITEM NO. 11: Public general comments – limit 3 minutes per person

Chairman Miller opened the floor for any additional public comments. One additional comment was received by Emmanuel Flatten.

• When they built the Hwy 27 bridge, a dam was created, which forces water to go around. This situation is what killed the woman in 2016. There are 2 dams In Comfort - a dam upstream and a dam downstream. These dams have led to the flooding in Comfort in 1978 and 2016.

AGENDA ITEM NO. 12: Adjourn

Doug Miller, CHAIR

Doug Sethness made a motion to adjourn. The motion was seconded by Ron Fieseler. The motion passed by unanimous consent.

The meeting adjourned at 6:15 PM by Doug Miller.
Approved by the Region 11 Guadalupe RFPG at a meeting held on November 2, 2022.
Brian Perkins, SECRETARY

Meeting Minutes

Region 11 Guadalupe Regional Flood Planning Group Meeting September 21, 2022 at 4:30 PM

The University of Houston-Victoria (UHV) Northwest Campus (1604 E. Airline Rd., Victoria, TX 77901) Roll Call:

Voting Member	Interest Category	Present (x) / Absent () / Alternate
		Present (*)
Doug Miller	Agricultural	X
Melissa Reynolds*	Agriculturui	
John Johnston	Counties	X
Lon Shell	Counties	
Bobby Christmas	Electric Generating Utilities	
Annalisa Peace	Environmental	
Bill Barker*	Environmental	
Doug Sethness	Flood districts	X
Jennifer Urban*	Tiood districts	
Kevin Stone	Industries	
Joseph Pantalion	Municipalities	
John Espinoza*	wamcipanties	
Ken Gill	Municipalities	
Dr. Kimberly Meitzen	Public	
R. Brian Perkins	River Authorities	X
Charlie Hickman*	River Authorities	
Ray Buck	River Authorities	
Tara Bushnoe*	River Authorities	
Gian Villarreal	Small Business	X
Tami Norton*	Sitiuli Busilless	
Ronald (Ron) Fieseler	Water Districts	X (arrived at 5:03pm)
Ben Eldridge*	water Districts	
Steven Fonville	Water Utilities	X

Non-voting Member	Agency	Present(x)/Absent()/ Alternate Present (*)
Sue Reilly	Texas Parks and Wildlife Department	
Beth Bendik*		
Hollie Hischer Bierbauer	Texas Division of Emergency Management	
Jami McCool	Texas Department of Agriculture	
Kristin Lambrecht*	Texas Department of Agriculture	
Allen Nash	Texas State Soil and Water Conservation	
	Board	
Kris Robles	General Land Office	
Shannon Longoria*	General Land Office	
Ryke Moore	Texas Water Development Board (TWDB)	
Joel Klumpp	Texas Commission on Environmental	
	Quality	
Don Durden	Public	X
Doris Cooksey	Region 12 Liaison	
Patrick Brzozowski Scott Hartl*	Region 10 Liaison	

Quorum:

Quorum: No

Number of voting members or alternates representing voting members present: 7

Number required for quorum per current voting positions of 15: 8

Other Meeting Attendees:

Lauren Willis, GBRA (Facilitator) Grace Renken

Jay Scanlon, Freese & Nichols, Inc. Rick McBrayer, Victoria EMC

Adam Conner, Freese & Nichols, Inc. Kenneth Schustereit

Velma Danielson, Blanton & Associates Kenneth Eller, Victoria County Groundwater

Alicia Reinmund-Martinez, Blanton & Associates Conservation District (VCGCD)

Bruce Miller Tim Andruss, VCGCD

All meeting materials are available for the public at: http://www.guadalupeRFPG.org

AGENDA ITEM NO. 1: Call to Order

Chairman Miller called the meeting to order at 4:32PM. Lauren Willis called roll of the planning group members to record attendance.

AGENDA ITEM NO. 2: Welcome

Chairman Miller welcomed members to the meeting.

AGENDA ITEM NO. 3: Presentation: Overview of Regional Flood Planning Process and Draft Guadalupe Regional Flood Plan, Chairman Doug Miller and Jay Scanlan, PE, CFM, ENV-SP – Freese & Nichols

Chairman Miller welcomed members to the meeting and reviewed the planning process of the Region 11 RFPG. Jay Scanlan can an overview of the components making up the Draft Regional Flood Plan.

AGENDA ITEM NO. 4: Public Input: The RFPG is soliciting public input regarding the Draft Region 11 Guadalupe Regional Flood Plan (as required per Texas Water Code §16.062(f) and 31 Texas Administrative Code §361.21(h)(3) (A, F)).

Chairman Miller reviewed the process for giving public comments and opened the floor to attendees. Threes public comments were received by Marvin Bruce Miller, Grace Renken and Kenneth Schustereit.

Marvin Bruce Miller, Owner of Miller Appliance:

- For 46 years he's been battling the river water. While things have improved not flooding property and business there is one spot that still floods under the railroad tracks, which flows into the city drains and eventually into his property.
- Would want to have somebody talk to railroad company to plug the hole under the tracks.
- In 1998, when river rose 34 feet it washed the railroad tracks away and he had 4ft of flooding in his building.

Grace Renken, Renken's Nursey in Victoria:

- Purchased property in the 80's. She wanted to know when the last flood plain map was created.
- Drainage was put in and elevations taken. A corner of her property is in the floodplain. When TxDOT built an intersection near her property, the water drained away from her property in another direction. The TxDOT engineers eventually agreed with her.
- Therefore, Ms. Renken objected to the boundaries of the current flood plain map and would like to have the map corrected.

Kenneth Schustereit:

- His family has lived on the Guadalupe since 1939. Need to clean up the river channel will help the Guadalupe River basin. This is the most important thing to prevent flooding.
- Between Guadalupe and the San Antonio rivers lies a verdant cotton field. This land is now four feet of silt, where it is used to be 25,000 acres of agricultural land. This land is now out of production due to uncontrolled flooding. To clean out the silt from the river channel, Mr.
 Schustereit suggested to pull the plugs out of the river - the saltwater barrier, the dams in Goff and Hog Bayous, and the log jams. This will prevent the flooding.

AGENDA ITEM NO. 5: Public general comments – limit 3 minutes per person

Chairman Miller opened the floor for any additional public comments. One additional comment was received by Kenneth Schustereit.

He has learned that if there is a repeat of the 1998 flood it will have worse effects. Since that
flood, the amount of impermeable ground in the basin has increased resulting in greater
flooding. It is mathematically indisputable, it will be a worse flooding. GBRA has promoted the
growth in this basin.

AGENDA ITEM NO. 6: Adjourn

Doug Miller, CHAIR

Doug Sethness made a motion to adjourn. The motion was seconded by John Johnston. The motion passed by unanimous consent.

The meeting adjourned at 5:22 PM by Doug Miller.
Approved by the Region 11 Guadalupe RFPG at a meeting held on November 2, 2022.
Brian Perkins, SECRETARY

Region 11 Guadalupe RFPG Chair Updates

Agenda Item 4

Texas Water Development Board Updates

Agenda Item 5

Guadalupe Region 11 RFPG Sponsor – GBRA Updates

Discussion and potential action regarding administrative expenses to be submitted to the Texas Water Development Board for reimbursement

GBRA Salaries & Fringe	\$ 3,181.00
TOTAL	\$ 3,181.00

Approved Budget	Project Cost This Report	Cumulative Project Cost	Balance
\$37,866	\$3,181.00	\$14,739.71	\$23,126.29

Discussion and potential action regarding the solicitation to fill the vacant voting position in the River authorities interest category.

River authorities, defined as any districts or authorities created by the legislature that contain areas within their boundaries of one or more counties and that are governed by boards of directors appointed or designated in whole or part by the governor, including without limitation the San Antonio River Authority and the Palo Duro River Authority

Discussion regarding Region 11 RFPG Technical Consultants work and schedule.

A. Discussion and potential action approving the list of Flood Mitigation Evaluations (FMEs) for Task 12.





Draft Plan Comments and Outreach

Task 12 Discussion

Look Ahead



Overview/Summary

• TWDB Comments

- Received October 25, 2022
- Level 1 and Level 2

• Public Comments

- Reviewing and Consolidating
 - Must respond to All
 - December 7, 2022 RFPG Meeting

Public Meetings on the Draft Plan

Summary of Comments	
Verbal comments provided	5
at public meetings	
Written comments received	3
during 60-day comment	
period	
Written comments received	4
after October 7, 2022	
Total	12

- 60-day comment period: August 8 through October 7,
 2022.
- Required public meeting held on September 7, 2022 at Upper Guadalupe River Authority Office in Kerrville
- Additional public meeting held on September 21, 2022 at University of Houston – Victoria NW Campus in Victoria
- Outreach included two email blasts, media advisories, and press releases.

September 7, 2022 Public Meeting -Kerrville

Summary of Attendees	
Citizens and local government officials	18
Elected Officials	2
Media	4
Total	24

- Two individuals provided verbal comments.
- Most attendees noted they received meeting announcement via email.
- Media noted they received notice via press release.
- Media attendees included representatives from Kerrville Daily Tribune, West Kerr Current, and the Hill Country Community Journal.

September 21, 2022 Public Meeting -Victoria

• Three individuals provided verbal comments.

• Attendees noted they received meeting announcement via email or press release.

Summary of Attendees	
Citizens and local	5
government officials	
Elected Officials	1
Media	0
Total	6



RFPG Consensus to Focus on Low Water Crossings

- Life/Safety
- Full FME table

Sponsor Outreach

Recommended FMEs

- City of Kerrville First Street
- o City of Kerrville Fourth Street
- o Comal County River Road
- San Marcos McKie St or S. LBJ at Willow Springs*
- o Victoria County Nursery Road
- Victoria County Parson Road

Others Identified if Budget allows

Task 12 Recommended **FMEs**

MEMORANDUM



10431 Morado Circis, Suita 300 - Austin, Texas 78759 - 512-617-3100 + FAX: 317-735-7491

A STATE OF THE PARTY

TO: Region 11 Regional Flood Planning Group

CC; Project Files

FROM: Jay Scanlon, P.E., Adam Conner, PMP, CFM

SUBJECT: Task 12 Recommended FMEs

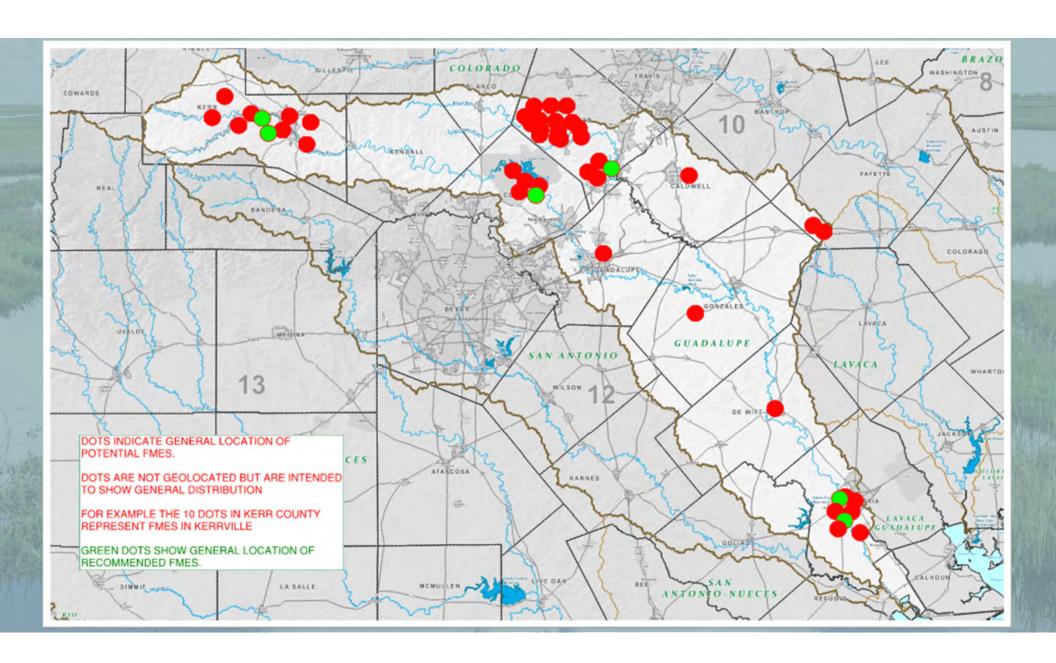
DATE: 10/28/2022 PROJECT: GBA21362

As discussed at previous Flood Planning Group meetings, the Texas Water Development Board Amendment includes funding in Task 12 for the purpose of performing Flood Management Evaluations (FMEs) recommended in the Draft Regional Flood Plan, with the goal of advancing those to Flood Mitigation Projects (FMPs) in the July 2023 Amended Regional Flood Plan. The funding is limited, thus the number of FMEs that can be completed is limited and the Planning Group must approve the FMEs to be completed.

For the September 2022 Planning Group meeting, the Technical Consultants (TC) narrowed the full FME list to about 50 candidate FMEs. At that meeting, the TC requested guidance/preferences from the Planning Group for which FMEs to devote Task 12 funds. The consensus was to focus on Low Water Crossing FMEs whose primary objective is reducing loss of life and increasing public safety by way of infrastructure improvements. During September and October 2022, the TC reached out to the communities with LWC FMEs for additional information and clarification. The additional information allowed us to assess the level of effort needed, determine if the Sponsor supports development of the FMP, and/or determine if the Sponsor plans to apply for future Flood Infrastructure Fund (FIF) loans/grants to implement the project.

Those outreach efforts revealed that some of the current LWC FMEs are slated to be completed by the Sponsor, some Sponsors are considering Flood Early Warning Systems or gates rather than structural improvements, and some FMEs for which the Sponsor is not ready to pursue at this time. The TC was able to confirm there are candidate FMEs and supportive Sponsors located in the upper, middle, and lower basin and proceeded to estimate the costs associated with developing the study and documents needed to elevate the recommended FMEs to FMPs.

The TC are recommending a total of six FMEs – two in the upper basin, two mid basin, and two in the lower basin. The team will monitor budgets and, if the level of effort to complete some of the FMEs is less than anticipated, we will inform the RFPG and will bring forward additional FMEs for consideration. The attached map shows the general location of the proposed FMEs (green dots) which include Kernville, San Marcos, Comal County, and Victoria County. Attached you will also find summary information and budget estimates for five of the six recommended FMEs (additional information for the San Marcos LWC is pending) as well as a full list of FMEs in the draft plan with a note indicating why most were not recommended for Task 12.



000	Salar to Co.		No.		
FME ID	FME Name	Description	Counties	Sponsor	Reason for not recommending
111000100	Comal County River Road Low Water Crossing Improvement Project Planning	Project planning for proposed project to implement low water crossing improvements at River Road.	Comal	Comal	Recommended
111000024	City of Kerrville First Street Low Water Crossing Project Planning	Project planning for proposed project to improve or replace the First Street Low Water Crossing.	Kerr	Kerrville	Recommended
111000025	City of Kerrville Fourth Street Low Water Crossing Project Planning	Project planning for proposed project to improve or replace the Park Street Low Water Crossing.	Kerr	Kerrville	Recommended
111000132	Victoria County Bridge Improvements Project Planning	Project planning to raise various County bridges above current Base Flood Elevation (BFE) levels to include such improvements as: box culverts, wingback walls, rip rap, channelization, and road base improvement.	Victoria	Victoria	Study Identified Specific Road Crossings Recommended 2 FMEs
111000139	City of San Marcos Low Water Crossing Improvement	Stormwater and Public Works have a number of known LWC's that are not currently programmed for FME. Staff is working to ID the top candiate(s) for Task 12 because the identified LWC FMEs will be completed by the City.	Hays	San Marcos	Recommended (backup material pending)
111000108	GBRA FEMA Cooperating Technical Partners (CTP) Modeling and Mapping	GBRA has entered into a partnership with FEMA by which GBRA commissions an engineering firm to perform flood inundation modeling and mapping, and dams in series modeling.	Calhoun, Comal, De Witt, Fayette, Gillespie, Goliad, Gonzales, Guadalupe,	Guadalupe-Blanco River Authority	Modeling and mapping - not project planning
111000001	Blanco County Low Water Crossing Improvements Study	Study of solutions to upgrade and/or raise low water crossing in the county. The low water crossings most frequently and most severely flooded will be assessed for elevation and improvement (e.g., curbed and/or pedestrian walkways) roadways.	Blanco	Blanco	Too large/long for Task 12
111000002	Blanco County Soil Conservation Plan	Develop soil conservation plan which provides information on proper land stewardship including diagram, soil map, assessment of vegetation and wildlife fuels, schedule for applying conservation practices; plan for operation and maintenance.	Blanco	Blanco	Too large/long for Task 12
111000137	Emergency power generators at critical infrastructure/key resource locations project planning	Project planning to install emergency generators at critical facilities to provide back- up power from hazard events.	Blanco	Blanco	Too large/long for Task 12
111000003	Caldwell County Bridge Improvements Project Planning	1950. These bridges cannot support the weight of emergency vehicles. In addition, upgraded bridge infrastructure would reduce backwater flooding at undersized	Caldwell	Caldwell	Too large/long for Task 12
111000005	Caldwell County Emergency Service District π3 River Crossing Improvements Study	Study solutions to upgrade river crossings throughout the district including but not limited to Scull Road Bridge.	Caldwell	Caldwell County Emergency Service District #3	Too large/long for Task 12
111000006	Caldwell County Emergency Service District #3 Repetitive Loss Property Mitigation Study	Study of identify flood-prone and repetitive loss properties through the Texas Water Development Board and identify and study solutions to reduce or eliminate flooding at identified properties.	Caldwell	Caldwell County Emergency Service District #3	Too large/long for Task 12
111000007	Caldwell County Emergency Service District #4 Fire Station 2 Project Planning	Planning for proposed project to build a swell and raise driveway of Fire Station 2 to prevent inundation of facility and to keep station in service during major storm events.	Caldwell	Caldwell County Emergency Service District #4	RFPG guidance - not LWC
111000035	City of Lockhart Drainage Improvements Study	Study to identify Capital Improvements to Municipal Drainage System and study solutions to upgrade system to improve drainage capacity and reduce flood damages.	Caldwell	Lockhart	Too large/long for Task 12
		solutions to upgrade system to improve trainage capacity and reduce nood damages.		1	

FME ID	FME Name	Description	Counties	Sponsor	Reason for not recommending
111000036	City of Lockhart USACE Study	USACE, covering all incorporated and unincorporated areas of the city that currently have limited studies with no determined base flood elevations as well as unmapped	Caldwell	Lockhart	Too large/long for Task 12
111000038	City of Martindale Drainage Improvements Study	Study of solutions to upgrade undersized stormwater drains and culverts.	Caldwell	Martindale	Too large/long for Task 12
111000004	Caldwell County Emergency Service District #1 Drainage and Utility Plan	Develop a drainage and utility plan.	Caldwell, Hays	Caldwell County Emergency Service District #1	Too large/long for Task 12
111000051	City of Niederwald Engineering Review of City Hall	Contract a consultation from an engineer to review the new City Hall building to ensure its resiliency (modular building that holds community documents and archives).	Caldwell, Hays	Niederwald	No life/safety Issues
111000068	City of Uhland Drainage Improvement Project Planning	Project planning for proposed project to mitigate against flooding by increasing the capacity of drainage routes to contain the storm water. Proposed drainage improvements will reduce flood waters backing up into the City.	Caldwell, Hays	Uhland	Too large/long for Task 12
111000013	City of Bulverde Drainage Improvements Study	Study of solutions to replace existing culverts with larger ones, improve drainage channels; clear-out existing drainage channels; survey and remove hazardous trees from drainage systems.	Comal	Bulverde	Too large/long for Task 12
111000014	City of Bulverde Local Flooding Study	Study of solutions to elevate some segments of roadways in various portions of the community to address localized flooding issues.	Comal	Bulverde	Too large/long for Task 12
111000096	Comal County Evacuation and Dam Safety Plan	Develop evacuation and dam safety plan for coordination with USACE and dam re-enforcement.	Comal	Comal	Evacuation Planning
111000097	Comal County Low Water Crossing Improvements Project Planning	Project planning to upgrade low water crossings with larger culverts and elevated roadways where feasible. Acquire easement and/or right of ways adjacent to River Road for first responder access	Comal	Comal	Too large/long for Task 12
111000098	Comal County Voluntary Buyout Program Project Planning	Project planning to remediate repetitive losses along the Guadalupe River by acquiring flood damaged structures and converting acquired land to open(green)space.	Comal	Comal	Too large/long for Task 12
111000099	Comal County Retention Dam Project Planning	Project planning for proposed project to design and construct 4 retention dams to assist in controlling flash flooding in municipalities and unincorporated areas of the county.	Comal	Comal	Too large/long for Task 12
111000017	City of Garden Ridge Drainage Improvements Project Planning	Project planning to complete final phase of drainage infrastructure upgrades.	Comal	Garden Ridge	Too large/long for Task 12
111000043	City of New Braunfels - Box Culvert Installation to Reduce Flood Risk on Blieders Creek, Comal River and Landa Park Project Planning	the Blieders Creek and German Creek watersheds by conveying flows to the Guadalupe River. The project is also intended to relieve flooding in the Landa Park	Comal	New Braunfels	RFPG guidance - not LWC
111000044	City of New Braunfels Faust St / Nacogdoches Ave Improvements Project Planning	Study to analyze drainage conveyance and flooding issues within the Faust Street and Nacogdoches Avenue area and project planning for solutions within project area.	Comal	New Braunfels	RFPG guidance - not LWC

FME ID	FME Name	Description	Countles	Sponsor	Reason for not recommending
111000045	City of New Braunfels Dry Comal Creek Tributary East Watershed Project Planning	Study to analyze drainage conveyance and flooding issues within the Dry Comal Creek Tributaries East area (Kerlick Lane/Encino Drive/Mission Drive) and project planning for solutions within project area.	Comal	New Braunfels	Too large/long for Task 12
111000045	City of New Braunfels South Guadalupe Tributary Watershed Project Planning	Study to analyze drainage conveyance and flooding issues within the South Guadalupe River tributary area (Mesquite/Eastman/Oleander/Walnut Heights) and project planning for solutions within project area.	Comal	New Braunfels	Too large/long for Task 12
111000047	City of New Braunfels Hunters Creek Regional Project Planning	Study to analyze drainage conveyance and flooding issues within the Hunters Creek area including the detention facility for the Westpointe development and project planning for solutions within project area.	Comal	New Braunfels	Too large/long for Task 12
111000049	City of New Braunfels Dry Comal Creek West Watershed Project Planning	Project planning for solutions to minimize flooding issues within the Cedar Elm Street, Landa-Madeline drainage area.	Comal	New Braunfels	Too large/long for Task 12
111000101	City of Cuero Drainage Improvements Study	Study of solutions to improve drainage and stormwater system to reduce drainage and flooding issues.	De Witt	Cuero	Too large/long for Task 12
111000102	City of Cuero City Public Service Station Project Planning	Project planning for proposed project to retrofit or floodproof City Public Service Station currently under renovation. Facility will serve as secondary location for community offices and critical utility service data and equipment	De Witt	Cuero	No life/safety Issues
111000103	City of Cuero WWTP Floodproofing Project Planning	Project planning to floodproof/retrofit older components of the Cuero Wastewater Treatment Plant subject to flooding.	De Witt	Cuero	RFPG guidance - not LWC
111000104	Dewitt County Drainage District Channel Improvements Project Planning	Project planning for proposed project to install drop basket structure and reconstruct drainage channels to control flooding and erosion. Structure will assist in stabilizing banks and holding bottoms of channel on grade	De Witt	Dewitt County Drainage District 1	Too large/long for Task 12
111000105	DeWitt County (City of Nordhelm) Flash Flood Mitigation Project Planning	Project planning for proposed project to construct necessary barriers or berms to reduce impact of runoff from flash floods onto neighborhoods, streams, and impacting community water wells from proposed Pilot Knob landfill.	De Witt	Nordheim	Too large/long for Task 12
111000015	City of Flatonia Drainage Project Planning	Project planning for proposed project to make culvert and drainage ditch improvements from just south of the Union Pacific Railroad at US 90 to the north side frontage road of I-10.	Fayette	Flatonia	RFPG guidance - not LWC
111000016	City of Flatonia WWTP Floodproofing Project Planning	Project planning for proposed project to floodproof Waste Water Treatment Plant	Fayette	Flatonia	RFPG guidance - not LWC
111000106	Gillespie County Low Water Crossing Improvements Project Planning	Project planning to place automatic warning signs at 35 documented low water crossings in the county	Gillespie	Gillespie	Too large/long for Task 12
111000107	Gonzales County Voluntary Buyout Program Project Planning	Project planning to develop and implement a program to buyout NFIP repetitive loss properties.	Gonzales	Gillespie	Too large/long for Task 12
111000018	City of Gonzales Tinsley Creek Improvement Project Planning	Project planning to upgrade aging infrastructure that was overwhelmed during Hurricane Harvey. Projects may include replacing box culvert bridges, replacing box culvert bridges with clear span bridges, and relocating utilities within the stream bed.	Gonzales	Gonzales	Too large/long for Task 12

FME ID	FME Name	Description	Counties	Sponsor	Reason for not recommending
111000019	City of Gonzales Tinsley Creek Flood Mitigation Project Planning	Project planning for proposed improvements along Timsley Creek include replacing a low water crossing at Johnson Street, adding culverts under Johnson Street, and replacing box culvert crossings with free span bridge crossings at several streets.	Gonzales	Gonzales	Too large/long for Task 12
111000079	City of Waelder Voluntary Buyout Program Project Planning	Project planning to develop and implement a program to buyout NFIP repetitive loss properties.	Gonzales	Waelder	Too large/long for Task 12
111000052	City of Nixon Voluntary Buyout Program Project Planning	Project planning to develop and implement a program to buyout NFIP repetitive loss properties.	Gonzales, Wilson	Nixon	Too large/long for Task 12
111000008	Canyon Regional WA Hays Caldwell Water Treatment Plant Floodwall Project Planning	Project planning for Canyon Regional WA - Hays Caldwell Water Treatment Plant Floodwall Project	Guadalupe	Canyon Regional Water Authority	RFPG guidance - not LWC
111000010	City of Cibolo and Seguin Road Access and Conditions Study	Study to evaluate access and road conditions for response vehicles, develop and implement options to improve access and/or add redundant access routes in high risk areas.	Guadalupe	Cibolo	Too large/long for Task 12
111000011	City of Cibolo and Seguin USACE Study	Undertake a comprehensive study of flood risk and reduction alternatives, with the assistance of the U.S. Army Corps of Engineers. Project planning to implement feasible alternatives for flood reduction.	Guadalupe	Cibolo	Too large/long for Task 12
111000109	Guadalupe County Drainage Improvements Study	Study of solutions to upgrade undersized stormwater drains and culverts.	Guadalupe	Guadalupe	Too large/long for Task 12
111000110	Guadalupe County Voluntary Buyout Program Project Planning	Project planning to develop a land acquisition program in flood hazard areas. Acquire and demolish repetitive loss properties. Acquire high risk vacant land and maintain as open space.	Guadalupe	Guadalupe	Too large/long for Task 12
111000111	Guadalupe County LWC Project Planning	Project planning for proposed project to mark and place electric gates at low water crossings.	Guadalupe	Guadalupe	Too large/long for Task 12
111000061	City of Seguin Drainage Improvements Study	Study of solutions to increase drainage capacity, add stormwater detention and/or retention basins, and implement drainage improvements as deemed necessary to reduce flood risk.	Guadalupe	Seguin	Too large/long for Task 12
111000062	City of Seguin Low Water Crossing Improvements Study	Study of solutions for drainage improvements at low water crossings.	Guadalupe	Seguin	Too large/long for Task 12
111000063	City of Seguin Ingress Egress Improvements Project Planning	Project planning for proposed project to provide/construct additional means of access into single-entry neighborhoods; Update subdivision codes for a higher level of ingress and egress.	Guadalupe	Seguin	Too large/long for Task 12
111000064	City of Seguin City-wide Drainage Improvements Project Planning	Project planning to increase Regional Detention, Channel & Drainage System Improvements.	Guadalupė	Seguin	Too large/long for Task 12
111000065	City of Seguin Voluntary Buyout Program Project Planning	Project planning to develop an acquisition and elevation program in flood hazard areas. Elevate or acquire and demolish repetitive loss properties. Acquire high risk vacant land and maintain as open space.	Guadalupe	Seguin	Too large/long for Task 12

FME ID	FME Name	Description	Countles	Sponsor	Reason for not recommending
111000066	City of Seguin Citywide Drainage Project Planning	Project planning for four priority drainage projects within the City of Seguin that would greatly improve the safety of their 25,520 residents. Project areas include North Guadalupe, North Heideke, Mays Creek and Walnut Branch.	Guadalupe	Seguin	Too large/long for Task 12
111000067	City of Seguin Sewage Treatment Plant Floodproofing Project Planning	Project planning for proposed project to flood-proof sewage treatment plants in flood hazard / low-lying areas.	Guadalupe	Seguin	RFPG guidance - not LWC
111000037	City of Luling Drainage Improvements Study	Study of solutions to upgrade undersized stormwater drains and culverts.	Guadalupe, Caldwell	Luling	Too large/long for Task 12
111000054	City of San Marcos Regional Detention Study	Study of solutions for regional detention and water quality strategies.	Guadalupe, Caldwell, Hays	San Marcos	RFPG guidance - not LWC
111000012	City of Buda Dam Study	Study to evaluate dam failure risks, planning for structural and nonstructural measures to protect the integrity of the earthen fill dams.	Hays	Buda	Too large/long for Task 12
111000112	Hays County Dam Inundation Maps	Conduct study and work with TCEQ to continue to develop inundation maps for all High Hazard dams.	Hays	Hays	Modeling and mapping - not project planning
111000113	Hays County Harden Critical Infrastructure Project Planning	Project planning to ensure new structures are structurally reinforced against natural hazards. To include, flood-proofing (if needed), freeboard, higher levels of soil compaction and proper perimeter drainage systems.	Hays	Hays	Regulatory - no FMP
111000116	Hays County Southeastern Property Acquisition Project Planning	Project planning for property acquisition project to mitigate repetitive loss flooding where drainage projects were analyzed and deemed ineffective for cost/ benefit reasons in southeastern Hays County.	Hays	Hays	Too large/long for Task 12
111000118	Hays County Community Flood Mitigation Project Planning	Hays County Community Flood Mitigation Project Planning	Hays	Hays	Too large/long for Task 12
111000114	Hays County Drainage Project Planning (Willow Springs Creek between McCarty Lane and Hunter Road)	Project planning for channel improvement and/or property acquisition project to reduce flood damages along Willow Springs Creek from McCarty Lane to Hunter Road.	Hays	Hays Co	RFPG guidance - not LWC
111000115	Hays County Drainage Project Planning (Willow Springs Creek between Hunter Rd and the Railroad)	Project planning for detention project to reduce flood damages along Willow Springs Creek from Hunter Road to the railroad.	Hays	Hays Co	RFPG guidance - not LWC
111000033	City of Kyle Prairie and Woodland Restoration Plan	Prepare and implement a prairie or woodland restoration plan for 1 or more of Kyle's park properties. Selection of a municipal park where all or a portion of the site may be restored to a natural grassland or woodland	Hays	Kyle	No life/safety Issues
111000034	City of Kyle - N. Burleson Street Drainage Improvements Project Planning	Project planning for proposed project to conduct street reconstruction and drainage improvements to minimize flooding in the downtown area.	Hays	Kyle	Too large/long for Task 12
111000039	City of Mountain City Repetitive Loss Structure Mitigation Study	Study of solutions to floodproof or otherwise mitigate repetitive loss structures that have been identified by FEMA for the number of flood insurance claims.	Hays	Mountain City	Too large/long for Task 12
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FME ID	FME Name	Description	Countles	Sponsor	Reason for not recommending
111000055	City of San Marcos Modeling of Purgatory Creek and Willow Springs Creek Overflow Area	2-Dimensional Modeling of the Purgatory Creek and Willow Springs Creek Overflow Area	Hays	San Marcos	Too large/long for Task 12 Will include several of the LWCs
111000056	City of San Marcos Low Water Crossing at Jackman Project Planning	Project planning to replace low water crossing at Jackman	Hays	San Marcos	To be done by City
111000057	City of San Marcos Low Water Crossing at Mitchell and Purgatory Creek Project Planning	Project planning to replace low water crossing at Mitchell and Purgatory Creek	Hays	San Marcos	To be done by City
111000058	City of San Marcos LWC at River Road and Railroad Trestle/Blanco River Project Planning	Project planning to replace low water crossing at River Road and Railroad Trestle/Blanco River	Hays	San Marcos	To be done by City
111000059	City of San Marcos LWC at S LBJ and Purgatory Creek Project Planning	Project planning to replace low water crossing at S LBJ and Purgatory Creek	Hays	San Marcos	To be done by City
111000060	City of San Marcos - Extension of River Ridge Parkway West Project Planning	Project planning for proposed project identified through the San Marcos Transportation Plan, to increase the ability to divert traffic during flooding events	Hays	San Marcos	Too large/long for Task 12
111000080	City of Wimberley Drainage Master Plan	Creation of drainage master plan for City of Wimberley to mitigate the flood hazard by defining priorities, policies, and strategies to address and remedy the drainage needs and challenges in Wimberley.	Hays	Wimberley	City does not want to pursue at this time
111000081	City of Wimberley FM 1492 at Blanco River Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at FM 1492 at Blanco River	Hays	Wimberley	City does not want to pursue at this time
111000082	City of Wimberley Hidden Valley at Blanco River Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Hidden Valley at Blanco River	Hays	Wimberley	City does not want to pursue at this time
111000083	City of Wimberley Little Arkansas at Blanco River Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Little Arkansas at Blanco River	Hays	Wimberley	City does not want to pursue at this time
111000084	City of Wimberley Valley Drive at Pierce Creek Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Valley Drive at Pierce Creek	Hays	Wimberley	City does not want to pursue at this time
111000085	City of Wimberley Flite Acres Road Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Flite Acres Road	Hays	Wimberley	City does not want to pursue at this time
111000086	City of Wimberley FM 1492 at Pierce Creek Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at FM 1492 at Pierce Creek	Hays	Wimberley	City does not want to pursue at this time
111000087	City of Wimberley Wilson Creek at River Road Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Wilson Creek at River Road	Hays	Wimberley	City does not want to pursue at this time

FME ID	FME Name	Description	Counties	Sponsor	Reason for not recommending
111000088	City of Wimberley Green Acres Dr. at Fire Station Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Green Acres Dr. at Fire Station	Hays	Wimberley	City does not want to pursue at this time
111000089	City of Wimberley Leveritt's Loop Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Leveritt's Loop	Hays	Wimberley	City does not want to pursue at this time
111000090	City of Wimberley Spoke Hollow Dr. at Spoke Pile Creek Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Spoke Hollow Dr. at Spoke Pile Creek	Hays	Wimberley	City does not want to pursue at this time
111000091	City of Wimberley River Road at Western City Limit Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at River Road at Western City Limit	Hays	Wimberley	City does not want to pursue at this time
111000092	City of Wimberley Paradise Hills Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Paradise Hills	Hays	Wimberley	City does not want to pursue at this time
111000093	City of Wimberley River Road Reconstruction Project Planning	Project planning for proposed project to reconstruct roadway along Blanco River	Hays	Wimberley	City does not want to pursue at this time
111000094	City of Wimberley Little Ranches at Panther Creek Low Water Crossing Project Planning	Project planning for proposed project to reconstruct low water crossing and roadway at Little Ranches at Panther Creek	Hays	Wimberley	City does not want to pursue at this time
111000095	City of Wimberley Hoots Holler Low Water Crossing Project Planning	Project planning for proposed project to reconstruct low water crossing and roadway at Hoots Holler	Hays	Wimberley	City does not want to pursue at this time
111000138	Cypress Creek Regional detention	Regional detention project on Cypress Creek that will reduce flooding through the unincorporated town of Comfort, TX and possibly provide enhanced aquifer recharge.	Kendall	Kendall	Too large/long for Task 12
111000009	Center Point ISD Drainage Improvements Study	Study of solutions to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.	Kerr	Center Point ISD	Too large/long for Task 12
111000119	Hunts ISD Storm Drainage Infrastructure Project Planning	Project planning to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.	Kerr	Hunt ISD	Too large/long for Task 12
111000020	City of Ingram Drainage Improvements Study	Study of solutions to upgrade existing storm drainage infrastructure to reduce the potential impacts of future flood events.	Kerr	Ingram	Too large/long for Task 12
111000120	Ingram ISD Construct New Storm Drainage Infrastructure	Project planning to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.	Kerr	Ingram ISD	Too large/long for Task 12
111000121	Ingram ISD Improve Existing Storm Drainage Infrastructure	Project planning to upgrade existing storm drainage infrastructure to reduce the potential impacts of future flood events.	Kerr	Ingram ISD	Too large/long for Task 12

FME ID	FME Name	Description	Counties	Sponsor	Reason for not recommending
111000123	Kerr County Dam Integrity Study	Create a dam integrity study and identify repairs to be made to County dams as necessary.	Kerr	Kerr	Too large/long for Task 12
111000122	Kerr County Center Point Storm Drainage Infrastructure Project Planning	Project planning to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.	Kerr	Kerr Co	RFPG guidance - not LWC
111000022	City of Kerrville Pinto Trail Project Planning	adjacent to the channel at risk of flooding, including widening existing channels, constructing a grass-lined trapezoidal channel, and seeding the proposed earther	Kerr	Kerrville	Based on RFPG not recommended (not LWC)
111000023	City of Kerrville Park Street Low Water Crossing Project Planning	Project planning for proposed project to improve or replace the Park Street Low Water Crossing.	Kerr	Kerrville	Lower priorty (can add if budget allows)
111000026	City of Kerrville Hill Country Drive at SH 16 Project Planning	Project planning for proposed project to raise the roadway profile and regrade Hill Country Drive, and increase the downstream pipe capacity at Hill Country Drive.	Kerr	Kerrville	Lower priorty (can add if budget allows)
111000028	City of Kerrville Harper Street between Culberson Avenue and Lewis Avenue Project Planning	Project planning for proposed storm drain system project to relieve localized flooding and excessive ponding that occurs throughout Harper Street.	Kerr	Kerrville	RFPG guidance - not LWC
111000029	City of Kerrville Circle Avenue Drainage Channel Project Planning	Project planning for proposed channel and street improvement project to alleviate sedimentation and erosion issues at the intersection of Culberson Avenue and Circle Avenue.	Kerr	Kerrville	RFPG guidance - not LWC
111000030	City of Kerrville Jack Drive - Undersized Inlet Project Planning	Project planning for proposed street and drainage improvements project to relieve road and property flooding from occurring directly downstream of Jack Drive's existing undersized inlet.	Kerr	Kerrville	RFPG guidance - not LWC
111000031	City of Kerrville Harper Road to Town Creek (Fay Drive) Drainage Improvements Study	Study of solutions to implement drainage improvements on Harper Road to Town Creek (Fay Drive).	Kerr	Kerrville	RFPG guidance - not LWC
111000124	Kerr ISD Storm Drainage Infrastructure Project Planning	Project planning for proposed project to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.	Kerr	Kerrville ISD	Too large/long for Task 12
111000127	Upper Guadalupe River Authority Evaluation of Water and Sediment Control Facilities	Study to evaluate the flood benefits and cost-effectiveness of UGRA's existing nine Kerr County facilities. Evaluation would include H&H modeling and financial data to determine flood risk reduction. Results could guide decisions on future facilities.	Kerr	Upper Guadalupe River Authority	Too large/long for Task 12 Feasability not specific FMP
111000126	Travis County Voluntary Buyout Program Project Planning	Project planning to identify and prioritize structures for elevation as flood mitigation. Elevate flood prone structures throughout unincorporated Travis County.	Travis	Travis	Too large/long for Task 12
111000069	City of Victoria Drainage Improvement Study	Study of solutions to increase dimensions of drainage culverts in areas prone to flooding and/or drainage problems in various City locations.	Victoria	Victoria	RFPG guidance - not LWC
111000070	City of Victoria Harden Critical Infrastructure Project Planning	Project planning to harden city buildings, critical infrastructure, and government buildings. Hardening of non-governmental facilities that have been identified as crucial in the response and recovery to/of emergencies and disasters.	Victoria	Victoria	Too large/long for Task 12

FME ID	FME Name	Description	Counties	Sponsor	Reason for not recommending
111000071	City of Victoria Voluntary Buyout Program Project Planning	Project planning to implement a voluntary acquisition program for repetitive flood properties.	Victoria	Victoria	Too large/long for Task 12
111000072	City of Victoria Flood Gate Project Planning	Project planning for proposed project to rehabilitate, repair, or replace the City of Victoria's existing flood gates, install additional flood gates as appropriate, and construct a storm water lift station in an area to be determined by study.	Victoria	Victoria	RFPG guidance - not LWC
111000073	City of Victoria Regional Drainage Solutions Project Planning	City: the Gardens Apartment diversion, Shenandoah ditch improvements, Anthony Road outfall improvements, Lone Tree Road outfall improvements, and Clegg Ditch	Victoria	Victoria	RFPG guidance - not LWC
111000074	City of Victoria - Storm Sewer Improvements Project Planning	Project planning for project to replace storm sewer pipe under 18-inch diameter (29.9 miles). As a result of overland flow analysis and Storm Sewer System Level of Service Analysis, it was determined to replace all pipe less than 18-inch diameter.	Victoria	Victoria	RFPG guidance - not LWC
111000075	City of Victoria Clean and Televise Storm Sewers Project Planning	Project planning for proposed project to clean and televise storm sewers (165.7 miles). As a result of overland flow analysis and Storm Sewer System Level of Service Analysis, it was determined to clean and televise storm sewers.	Victoria	Victoria	Too large/long for Task 12
111000076	City of Victoria Regrade Priority Ditches and Driveway Culverts Project Planning	Project planning for proposed drainage improvements. As a result of a roadside ditch capacity evaluation, it was determined that 23 miles of ditch and 669 driveway culverts are negatively impacting conveyance capacity and need to be regraded.	Victoria	Victoria	RFPG guidance - not LWC
111000077	City of Victoria Repair Channel Failures & Sediment Removal Project Planning	Project planning for proposed channel improvements. Using field visits and drone footage, it was determined to repair 33,657 sq ft of concreted lined channel, 11,829 sq ft of earthen channel, and remove 227,099 sq ft of sediment.	Victoria	Victoria	RFPG guidance - not LWC
111000078	City of Victoria Stream Restoration Study	Study to implement a stream restoration/channelization program to ensure adequate drainage/diversion of storm water, throughout various City low water crossings, streambeds, creek sheds, tributaries, and riverine areas.	Victoria	Victoria	RFPG guidance - not LWC
111000128	Victoria County Planning and Development Standards Study	Conduct study for the development and implementation of county wide planning & development standards, sub-division rules, infrastructure rules and building / construction codes.	Victoria	Victoria	Regulatory - no FMP
111000129	Victoria County Drainage Improvements Study	Study of solutions to increase dimensions of drainage culverts in areas prone to flooding and/or drainage problems, in various county locations.	Victoria	Victoria	Too large/long for Task 12
111000130	Victoria County FIRMs	Engineering Studies to revise Flood Insurance Rate Maps (FIRMs) throughout the County to establish Base Flood Elevations (BFE) in areas that are currently identified as unstudied Zone As.	Victoria	Victoria	Modeling and mapping - not project planning
111000131	Victoria County Drainage Improvements around County EOC Project Planning	Project planning to improve drainage around County EOC and flood-proof facilities as necessary.	Victoria	Victoria	No life/safety Issues
111000133	Victoria County Voluntary Buyout Program Project Planning	Project planning to implement a voluntary acquisition program for repetitive flood properties.	Victoria	Victoria	Too large/long for Task 12
111000134	Wilson County Stormwater Management Plan	Develop flood hazard information by collecting information, high water marks, and conduct engineering studies to develop the 100 year and 500 year flood elevation levels.	Wilson	Wilson	Modeling and mapping - not project planning

FME ID	FME Name	Description	Countles	Sponsor	Reason for not recommending
111000135	Wilson County Low Water Crossing Improvements Project Planning	Project planning to upgrade infrastructure at low water crossings to provide unimpeded access during 100 year base flood event to facilitate evacuation and response by emergency vehicles	Wilson	Wilson	Too large/long for Task 12
111000136	Wilson County Voluntary Buyout Program Project Planning	Project planning to establish of a voluntary aquistion and demolition program, structure relocation program, and structure elevation program to address repetitive loss, floodprone properties. Keep a database of properties.	Wilson	Wilson	Too large/long for Task 12



SCOPE AND BUDGET TO PERFORM FMES GUADALUPE REGIONAL FLOOD PLANNING GROUP

FME ID	Title	County	Sponsor
111000024	City of Kerrville First Street Low Water Crossing Project Planning	7,141,	City of Kerrville

Study Objectives:

Flooding, dangerous roadway conditions, and frequent roadway closures during most rain events have been reported at the First Street Low Water Crossing (LWC). Existing conditions consists of five – 24" RCPs providing a combined full flow capacity of approximately 141 cfs, which is roughly 2.5% of the 5-year frequency storm event. Preliminary hydraulic models have been developed utilizing FEMA effective hydrologic flows to assess the overtopping of the roadways and the potential for roadway improvements to elevate the roadway above the 25-year or 50-year storm event. During the iterative process, it was determined that the crossing would require a substantial bridge-class structure and significant upstream and downstream channel improvements to mitigate the rise in the floodway elevation.

This study will review the existing models, analyze flood risk reduction benefits, evaluate adverse impact, develop cost estimates, perform a benefit-cost analysis, and conduct a high-level evaluation of potential constraints including environmental permitting, utility relocations, right-of-way acquisition, and constructability issues in accordance with adopted FMP screening criteria. It is likely that this project will not be able to mitigate flood events associated with the 1 percent annual chance flood (100-year level of service) but may have benefits during a lesser storm event. A final determination will be made as to whether or not a potentially feasible FMP exists for this flood problem to conclude this FME.



Required Information for FMP:

Sources of information on this FME come primarily from the City's Stormwater Master Plan (SWMP), prepared by LNV (now Ardurra). Models for this low water crossing were developed as part of the City's SWMP and are required for review and analysis of potential flood risk reduction benefits.

Sponsor Outreach:

City of Kerrville is supportive of Task 12 funds being used to further develop this FME into and FMP. This is their highest priority LWC. Existing models have been requested from Ardurra but have not yet been received.

Scope and Budget:

Task		timated	Estimated Time to Complete (wks)	
Task 1 – Data Collection/site visits	\$	4,000	2	
Task 2 – Update H&H modeling	5	9,000	4	
Task 3 – Update preliminary design or alternatives analysis	5	11,000	4	
Task 4 – Evaluate flood risk reduction benefits	\$	3,000	1	
Task 5 – Verify no negative impacts	S	3,000	1	
Task 6 – Develop/update cost estimate	5	5,000	1	
Task 7 – Complete cost-benefit analysis	\$	4,000	1	
Task 8 - Evaluate potential constraints	\$	3,000	2	
Task 9 – Document results (sealed technical memorandum)	\$	11,000	4	
Totals	\$	53,000	20	

Recommendat	tion:		
☐ Proceed	☐ Do not Proceed	☐ Technical Committee Concurrence	☐ RFPG Approval
Prepared by:	Sarah West		Date: 10/18/2022

SCOPE AND BUDGET TO PERFORM FMES GUADALUPE REGIONAL FLOOD PLANNING GROUP

FME ID	Title	County	Sponsor
111000025	City of Kerrville Fourth Street Low Water Crossing Project Planning	Kerr	City of Kerrville

Study Objectives:

Flooding, dangerous roadway conditions and frequent roadway closures during most rain events have been reported at the Fourth Street Low Water Crossing (LWC). Existing conditions consists of two – 24" RCPs providing a combined capacity of approximately 32 cfs, which is roughly 1% of the 5-year frequency storm event. Preliminary hydraulic models have been developed utilizing FEMA effective hydrologic flows to assess the overtopping of the roadways and the potential for roadway improvements to elevate the roadway above the 25-year or 50-year storm event. During the iterative process, it was determined that the crossing would require a substantial bridge-class structure and significant upstream and downstream channel improvements to mitigate the rise in the floodway elevation.

This study will review the existing models, analyze flood risk reduction benefits, evaluate adverse impact, develop cost estimates, perform a benefit-cost analysis, and conduct a high-level evaluation of potential constraints including environmental permitting, utility relocations, right-of-way acquisition, and constructability issues in accordance with adopted FMP screening criteria. It is likely that this project will not be able to mitigate flood events associated with the 1 percent annual chance flood (100-year level of service) but may have benefits during a lesser storm event. A final determination will be made as to whether or not a potentially feasible FMP exists for this flood problem to conclude this FME.



Required Information for FMP:

Sources of information on this FME come primarily from the City's Stormwater Master Plan (SWMP), prepared by LNV (now Ardurra). Models for this low water crossing were developed as part of the City's SWMP and are required for review and analysis of potential flood risk reduction benefits.

Sponsor Outreach:

City of Kerrville is supportive of Task 12 funds being used to further develop this FME into and FMP. This is their second highest priority LWC. Existing models have been requested from Ardurra but have not yet been received.

Scope and Budget:

Task		timated Cost	Estimated Time to Complete (wks)	
Task 1 – Data Collection/site visits	\$	4,000	2	
Task 2 – Update H&H modeling	5	9,000	4	
Task 3 – Update alternatives analysis and/or preliminary design	5	11,000	4	
Task 4 – Evaluate flood risk reduction benefits	\$	3,000	1	
Task 5 – Evaluate adverse impact	\$	3,000	1	
Task 6 – Develop/update cost estimate	5	5,000	1	
Task 7 – Conduct cost-benefit analysis	\$	4,000	1	
Task 8 - Evaluate potential constraints	\$	3,000	2	
Task 9 – Document results (sealed technical memorandum)	\$	11,000	4	
Totals	\$	53,000	20	

Recommenda	tion:		
☐ Proceed	□ Do not Proceed	☐ Technical Committee Concurrence	☐ RFPG Approval
Prepared by:	Sarah West		Date: 10/18/2022

SCOPE AND BUDGET TO PERFOM FMES

FME ID	Title	County	Sponsor
111000100	Comal County Master WID* River Road Low Water Crossing Improvement Project Planning	Comal	Comal County

^{*}Sponsor to be changed to Comal County

Study Objectives

This study includes an analysis of the low water crossing at River Road on Jacobs Creek in Comal County and a recommendation for an improved structure that will be able to pass at least the 4% ACE (25-yr) event without overtopping. The existing structure consists of two 24-inch CMP culverts that are silted in on the upstream side with a contributing watershed of approximately 3.7 sq. mi. There are currently no detailed hydrology or hydraulics models available for Jacobs Creek. New hydrology and hydraulic models will be created as the basis for this study and will utilize current Atlas 14 rainfall data, current LIDAR upstream and downstream of River Road, and previously collected field survey data. Alternatives to be considered will include replacement of the existing culvert structure with a larger bridge or culvert structure that will be able to pass the required flow without overtopping the roadway. The analysis will also consider potential constraints and permitting issues. Deliverables of this study will include the following:

- · New hydrologic and hydraulic modeling of existing and proposed conditions,
- Analysis of alternatives including alternative models, flood risk reduction benefits, and no adverse impact analysis,
- · A detailed cost estimate of each alternative,
- · A cost-benefit analysis for each alternative using the TWDB BCA tools,
- Sealed technical memorandum summarizing the analysis and all findings and results including an analysis of potential permitting and environmental constraints.



Required Information for FMP

Data available to complete the analysis and meet TWDB standards for FMP status include an existing FEMA BLE level hydraulic model, 2018 USGS LIDAR elevation data, traffic counts, and other related info for development of the cost-benefit analysis. Coordination with Comal County will be required to obtain any information needed and communicate the results and recommendations associated with project.

Sponsor Outreach:

Comal County is supportive of Task 12 funds being used to study upgrade to the high-water notification system from "Alert-1" to "Alert-2" and to consider infrastructure improvements at River Road; however, the County is sensitive to the potential environmental constraints include established cypress trees near the crossing. Additional data needs as well as results and recommendations will be coordinated on an ongoing basis with Tom Hornseth, County Engineer for Comal County, as the project progresses.

Scope and Budget:

Task	Estimated Cost	Estimated Time to Complete
Task 1 – Date Collection/site visits	\$2,124	1 day
Task 2 – Update H&H modeling	\$22,533	15 days
Task 3 – Update preliminary design or alternatives analysis	\$13,029	8 days
Task 4 – Evaluate flood risk reduction benefits	\$3,514	2 days
Task 5 – Verify no negative impacts	\$3,514	2 days
Task 6 – Develop/update cost estimate	\$3,315	2 days
Task 7 – Complete cost-benefit analysis	\$5,969	4 days
Task 8 – Evaluate potential constraints	\$5,056	3 days
Task 9 – Document results (sealed technical memorandum)	\$5,518	3 days
Totals	\$64,572	40 days

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709 112371	Recommendation: □ Proceed □ Do not Procee	ed
	Prepared by: Daniel Harris	Date: 10/26/2022
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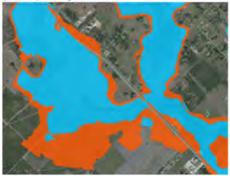
SCOPE AND BUDGET TO PERFOM FMES GUADALUPE REGIONAL FLOOD PLANNING GROUP

FME ID	Title	County	Sponsor
111000132	Nursery Road at Spring Creek	Victoria	Victoria County

Study Objectives:

This study includes an analysis of the low water crossing at Nursery Road on Spring Creek in Victoria County and a recommendation for an improved structure that will be able to pass at least he 4% ACE (25-yr) event without overtopping. The existing structure consists of a single span bridge and currently passes only 50% ACE (2-yr) event. The best available hydrology and hydraulics models were developed as part of Phase 2 of the Guadalupe Interim Feasibility Study completed by the USACE and GBRA in 2015. These models will be used as the basis for this study and will be updated with current Atlas 14 rainfall data, current LiDAR upstream and downstream of the Nursery Road, and field survey data collected as part of this study. Alternatives to be considered will include replacement of the existing bridge structure with a new bridge structure or box culvert structure that will be able to pass the required flow without overtopping the roadway. Deliverables of this study will include the following:

- · Updated hydrologic and hydraulic modeling of existing and proposed conditions,
- Analysis of alternatives including alternative models, flood risk reduction benefits, and no adverse
 impact analysis,
- · A detailed cost estimate of each alternative,
- · A cost-benefit analysis for each alternative using the TWDB BCA tools,
- Sealed technical memorandum summarizing the analysis and all findings and results including an analysis of potential permitting and environmental constraints.



Required Information for FMP

Data available to complete the analysis and meet TWDB standards for FMP status include existing hydrologic and hydraulic models as discussed above, 2018 USGS LiDAR elevation data, traffic counts and other related info for development of the cost-benefit analysis. Coordination with Victoria County will be required to obtain any information needed and communicate the results and recommendations associated with project.

Sponsor Outreach:

Victoria County was contacted on October 5th, 2022 and is supportive of this low water crossing alternative and benefit-cost analysis. Existing models for Spring Creek have been previously provided by the GBRA. Additional data needs as well as results and recommendations will be coordinated on an ongoing basis with John Johnston, County Engineer for Victoria County, as the project progresses.

Scope and Budget:

Task	Estimated Cost	Estimated Time to Complete	
Task 1 – Data Collection/site visits	\$4,032	1 day	
Task 2 – Update H&H modeling	\$9,483	6 days	
Task 3 – Update preliminary design or alternatives analysis	\$10,826	7 days	
Task 4 - Evaluate flood risk reduction benefits	\$3,514	2 days	
Task 5 – Verify no negative impacts	\$3,514	2 days	
Task 6 – Develop/update cost estimate	\$3,315	2 days	
Task 7 – Complete cost-benefit analysis	\$5,969	4 days	
Task 8 - Evaluate potential constraints	\$3,514	2 days	
Task 9 – Document results (sealed technical memorandum)	\$5,518	3 days	
Totals	\$49,685	29 days	

Recommenda	tion:		
☐ Proceed	☐ Do not Proceed	☐ Technical Committee Concurrence	☐ RFPG Approval
Prepared by:	Daniel Harris	Date:	10/26/2022

SCOPE AND BUDGET TO PERFOM FMES GUADALUPE REGIONAL FLOOD PLANNING GROUP

FME ID	Title	County	Sponsor
111000132	Parsons Road at Spring Creek	Victoria	Victoria County

Study Objectives:

This study includes an analysis of the low water crossing at Parsons Road on Spring Creek in Victoria County and a recommendation for an improved structure that will be able to pass the 4% ACE (25-yr) event without overtopping. The existing structure consists of a two-span bridge and currently passes only 20% ACE (5-yr) event. The best available hydrology and hydraulics models were developed as part of Phase 2 of the Guadafupe Interim Feasibility Study completed by the USACE and GBRA in 2015. These models will be used as the basis for this study and will be updated with current Atlas 14 rainfall data, current LiDAR upstream and downstream of the Parsons Road, and field survey data collected as part of this study. Alternatives to be considered will include replacement of the existing bridge structure with a new bridge structure or box culvert structure that will be able to pass the required flow without overtopping the roadway. Deliverables of this study will include the following:

- . Updated hydrologic and hydraulic modeling of existing and proposed conditions,
- Analysis of alternatives including alternative models, flood risk reduction benefits, and no adverse impact analysis.
- · A detailed cost estimate of each alternative,
- · A cost-benefit analysis for each alternative using the TWDB BCA tools,
- Sealed technical memorandum summarizing the analysis and all findings and results including an
 analysis of potential permitting and environmental constraints.



Required Information for FMP

Data available to complete the analysis and meet TWDB standards for FMP status include existing hydrologic and hydraulic models as discussed above, 2018 USGS LiDAR elevation data, traffic counts and other related info for development of the cost-benefit analysis. Coordination with Victoria County will be required to obtain any information needed and communicate the results and recommendations associated with project.

Sponsor Outreach:

Victoria County was contacted on October 5th, 2022 and is supportive of this low water crossing alternative and benefit-cost analysis. Existing models for Spring Creek have been previously provided by the GBRA. Additional data needs as well as results and recommendations will be coordinated on an ongoing basis with John Johnston, County Engineer for Victoria County, as the project progresses.

Scope and Budget:

Task	Estimated Cost	Estimated Time to Complete	
Task 1 – Data Collection/site visits	\$4,032	1 day	
Task Z – Update H&H modeling	\$9,483	6 days	
Task 3 – Update preliminary design or alternatives analysis	\$10,826	7 days	
Task 4 – Evaluate flood risk reduction benefits	\$3,514	2 days	
Task 5 – Verify no negative impacts	\$3,514	2 days	
Task 6 – Develop/update cost estimate	\$3,315	2 days	
Task 7 – Complete cost-benefit analysis	\$5,969	4 days	
Task 8 - Evaluate potential constraints	53,514	2 days	
Task 9 – Document results (sealed technical memorandum)	\$5,518	3 days	
Totals	\$49,685	29 days	

	Recommenda	tion:		
	☐ Proceed	☐ Do not Proceed	☐ Technical Committee Concurrence	RFPG Approval
200	Prepared by:	Daniel Harris	Date: 10/26/20	

Look Ahead

ivicetilig	Milestone Goals
December	December 7 Comment Response Log, Revised Chapter 6 and 7, Voting
	Items (FMXs, Recommendations)
	December 19 Issue Final Draft to RFPG
	December 30 Final RFPG Member comments due
January	January 4 Approve Final Plan for Submittal
	January 10 Regional Flood Plan due to TWDB
July	July 14 Amended Regional Flood Plan Due
	January

Consider date and agenda items for next meeting

Wednesday, December 7th at 2pm – GBRA, Seguin
Wednesday, January 4th at 2pm – GBRA, Seguin
Wednesday, February 1st at 2pm – GBRA, Seguin
Wednesday, March 1st at 2pm – GBRA, Seguin

Agenda Item 11
Public General
Comments

Public Comments limited to 3 minutes per speaker

Adjourn

Agenda Item 12