

Lower Colorado-Lavaca
**REGIONAL FLOOD
PLANNING GROUP**

REGION 10

**Technical Committee Meeting
March 9, 2022**

Region 10 Lower Colorado-Lavaca RFPG Technical Committee Meeting

- 1. Call to Order**
- 2. Welcome**
- 3. Approval of minutes from the previous meeting**

**Region 10 Lower Colorado-Lavaca Flood Planning Group
Technical Committee Meeting**

January 27, 2022

LCRA Redbud Center
3601 Lake Austin Boulevard, Room 108N/S
Austin, Texas 78703
9:00 AM

Roll call:

Voting Member	Role (elections occurred during meeting)	Present (x) /Absent () Alternate Present (*)
Kelly Payne	Chair	X
Kacey Cubine Paul	Vice Chair	X
Ann Yakimovicz	Secretary	X
Matt Hollon	Member	X
Brandon Klenzendorf	Member	X

Quorum:

Quorum: **Yes**

Number of voting members or alternates representing voting members present: **5**

Number required for quorum per current voting membership of 5: **3**

Other Meeting Attendees: **

Tressa Olsen - TWDB

Mike Moya - Halff Associates, Inc.

Mike Personett – Halff Associates, Inc.

Cindy Englehardt – Halff Associates, Inc.

Jay Scanlon – Freese & Nichols

Cris Parker – HDR, Inc.

Toby Li – HDR, Inc.

Karen Ford – WaterPR

Lauren Graber - LCRA

Annette Keaveny - LCRA

Marcin Tyszka - LCRA

Jennifer Bassett - LCRA

Fabiola De Carvalho

Bill Barker - Great Springs Project

Agenda:

1. Call to Order

Lauren Graber called the meeting to order at 9:02 AM CST. A roll call of the planning group technical committee members was taken to record attendance and a quorum was established prior to calling the meeting to order.

2. Welcome

Lauren Graber welcomed members and other attendees to the meeting.

3. Public comments – limit 3 minutes per person

Lauren Graber called for public comments. No comments were given.

4. Discuss committee meeting process and update from the Planning Group Sponsor

Lauren Graber discussed the committee meeting process regarding public notice, the Texas Open Meetings Act, future hybrid meetings, and mileage reimbursement options for members.

5. Nominations, discussion, and possible action to elect Committee Chair, Vice Chair, and Secretary

Lauren Graber discussed the roles and responsibilities of the officers and called for nominations.

Chair – Ann Yakimovicz nominated and made a motion to name Kelly Payne as Chair. The motion was seconded by Matt Hollon. Motion passed 5 to 0.

Vice Chair – Matt Hollon nominated and made a motion to name Kacey Paul as Vice-Chair. The motion was seconded by Kelly Payne. Motion passed 5 to 0.

Secretary – Kacey Paul nominated and made a motion to name Ann Yakimovicz as Secretary. The motion was seconded by Kelly Payne. Motion passed 5 to 0.

6. Technical Consultant Presentation & Discussion

Mike Personett and Cindy Englehardt (both Halff Associates, Inc.), and Cris Parker (HDR), provided updates, briefings, and discussion on the following:

- a. Requirements/guidelines related to Tasks 4B and 5 – Evaluate & Recommend Flood Management Evaluations (FMEs), Flood Management Strategies (FMSs), and Associated Flood Mitigation Projects (FMPs)
 - i. Guidance – key issues
 1. Achievable levels of flood risk reduction
 2. Emergency needs
 3. Cost-benefit
 4. Adverse impact
 5. Other considerations
 - ii. Standardized templates for presentation of results and recommendations
 - iii. Criteria for selection of FMEs to receive additional effort per Task 12

The team will continue refining the FMPs, FMEs, and FMSs list and then transition into Task 5. Cris discussed the minimum screening requirements. Kacey Paul mentioned that Burnet County is in the process of updating their 5-year emergency hazard mitigation action plan. Technical Committee members asked to see the full list and examples of FMPs, FMEs, and FMSs that the consultants are working with.

Halff presented and discussed a draft one-page FME template as an evaluation form. The FMP and FMS templates are currently under construction.

7. Public comments – limit 3 minutes per person

Chair Kelly Payne called for public comments. No comments were given.

8. Discuss future committee meetings

Mike recommended that the Technical Committee meet again in March and twice per month from April through June. Mike requested an additional Technical Committee meeting in July before the RFPG meets to approve submittal of the draft regional flood plan to TWDB.

After general discussion, Chair Kelly Payne concluded that the next meeting in March will be sent out to the committee as soon as available.

9. Adjourn

Kacey Paul made a motion to adjourn, seconded by Ann Yakimovicz. The motion passed 5-0 and the meeting was adjourned at 11:36 AM CST by Chair Kelly Payne.

Approved by the Lower Colorado-Lavaca RFPG Technical Committee at a meeting held on [REDACTED], 2022.

Ann Yakimovicz, SECRETARY

Kelly Payne, CHAIR

Region 10 Lower Colorado-Lavaca RFPG Technical Committee Meeting

- 4. Public comments – limit 3 minutes per person**
- 5. Technical consultant presentation and discussion related to the results of Task 4B - Identification and Evaluation of Potential Flood Management Evaluations and Potentially Feasible Flood Management Strategies and Flood Mitigation Projects**



LOWER COLORADO – LAVACA
REGIONAL FLOOD PLAN
A TEXAS INITIATIVE

RFPG 10 TECHNICAL COMMITTEE | MARCH 9, 2022



AGENDA

Task 4B Screening Process/Status

Task 4B Screening Updates

Potentially Feasible Projects (FMPs) – *Structural and Non-structural Projects*

Potential Studies (FMEs)

Potentially Feasible Strategies (FMSs) – *Proposed “Regional” Strategies*

TASK 4B – SCREENING PROCESS - STATUS

Proposed Selection Process – Task 4B-5 General Steps



STEP 1

INITIAL SCREENING OF *STUDIES, PROJECTS & STRATEGIES* RECEIVED

Screen for minimum TWDB rules and guidance requirements



STEP 2

TASK 4B - SCREENING OF *PROJECTS*

Screen per TWDB flowchart and guidance



STEP 3

TASK 4B - SCREENING OF *STUDIES*

Screen for minimum TWDB guidance requirements



STEP 4

TASK 4B - SCREENING OF *STRATEGIES*

Screen for minimum TWDB guidance requirements

STEP 5

**TASK 5 - DETAILED EVALUATIONS OF
*SELECTED STUDIES, PROJECTS & STRATEGIES***

STEP 6

TASK 5 - FINAL RECOMMENDATIONS OF *STUDIES, PROJECTS & STRATEGIES*

TASK 4B – POTENTIAL PROJECTS, STUDIES, STRATEGIES

Updates

0(290)

FLOOD MANAGEMENT STRATEGIES (FMSs)

- Infrastructure Project Planning
- Property/Easement Acquisition
- Elevation of Structures
- Education and Outreach
- Flood Warning and Measurement
- Regulatory and Guidance

656(294)

SCREENED OUT

Do not meet minimum screening requirements

162(149)

FLOOD MANAGEMENT STUDIES (FMEs)

Flood Preparedness Study

Floodplain Modeling and Mapping / Risk Identification

Flood Mitigation Alternatives Analysis / Feasibility Assessment

Flood Mitigation Project Preliminary Engineering (30% design)

30(106)

FLOOD MITIGATION PROJECTS (FMPs)

Structural Infrastructure

14(27)

Advanced Analysis / Design (30 - 100% design)

- Bridge/culvert
- Storm drain
- Channel modifications

Non-Structural

13(79)

Project Implementation

- Property/Easement Acquisition
- Floodproofing/Elevation of Structures
- Flood Warning Systems, Gauges
- Flood Readiness and Resilience

POTENTIALLY FEASIBLE STRUCTURAL FMPs

Community	Source Name	Source Date	Project Location	Project Description	Project Cost	Current Level of Service	Proposed Level of Service	Rainfall Data
Bastrop County	Bastrop County Flood Protection Planning Study - Alum Creek Watershed	2020	Cardinal Drive	2 box culverts: 4x3 west 4 box culverts: 4x2 east 310 LF raised roadway	\$545,000	2-year	10-year	Atlas 14
Bastrop County	Bastrop County Flood Protection Planning Study - Alum Creek Watershed	2020	Tributary 11, Cardinal Drive	5 box culverts: 7x6 360 LF raised roadway	\$719,200	2-year	25-year	Atlas 14
Bastrop County	Bastrop County Flood Protection Planning Study - Alum Creek Watershed	2020	Tributary 87, Cardinal Drive	3 box culverts: 8x6 100 LF raised roadway	\$351,900	2-year	500-year	Atlas 14
Bastrop County	Bastrop County Flood Protection Planning Study - Alum Creek Watershed	2020	Tributary 8, Ponderosa Loop	3 box culverts: 8x5 192 LF raised roadway	\$430,900	2-year	25-year	Atlas 14
City of Bastrop	100% Design Report - Gillis Branch Flood Mitigation Improvements	3/30/2021	Gills Branch	5,050 LF channel benching, 175 LF channel improvements, increased capacity at crossings, landscape walls	\$6,372,820	25-year	100-year	Atlas 14
City of Pflugerville	Bastrop County Flood Protection Planning Study - Wilbarger Creek Watershed	4/19/2021	FM 685, Wilbarger Creek	Integrated with E. Pflugerville Prkwy improvement, 100' wide channel bench 1,700 LF, four 50' span bridge, 810 LF raise road	\$8,302,700	5-year	100-year	Atlas 14
City of Pflugerville	Bastrop County Flood Protection Planning Study - Wilbarger Creek Watershed	4/19/2021	E Pflugerville Pkwy, Wilbarger Creek	Integrated with FM685 improvement, 100' wide channel bench 1,700 LF, four 50' span bridge, remove concrete drop structure	\$3,090,700	25-year	100-year	Atlas 14
Travis County	Bastrop County Flood Protection Planning Study - Wilbarger Creek Watershed	4/19/2021	Highland Park Subdivision	Add two 8'x4' RCBs; grading US overbank; 1.5' tall 150' long berm	\$578,100	50-year	100-year	Atlas 14
Travis County	Bastrop County Flood Protection Planning Study - Wilbarger Creek Watershed	4/19/2021	Cele Rd, Wilbarger Creek Trib 210	Four 50' span bridge, 1160 LF raise road	\$4,349,700	2-year	100-year	Atlas 14
Travis County	Bastrop County Flood Protection Planning Study - Wilbarger Creek Watershed	4/19/2021	Gregg Ln, Wilbarger Creek Trib 220	Four 50' span bridge, 870 LF raise road	\$5,503,400	2-year	100-year	Atlas 14
Travis County	Bastrop County Flood Protection Planning Study - Wilbarger Creek Watershed	4/19/2021	Cameron Rd, Wilbarger Creek	Six 50' span bridge, 1520 LF raised roadway, channel grading	\$3,142,400	2-year	100-year	Atlas 14

POTENTIALLY FEASIBLE *STRUCTURAL* FMPs

Community	Source Name	Source Date	Project Location	Project Description	Project Cost	Current Level of Service	Proposed Level of Service	Rainfall Data
Travis County	2011 Bond Program	2011	McNeil Rd from Howard Ln to county line	Drainage improvements and detention throughout the neighborhood to keep the roadway from overtopping during storm events and allowing residents to enter/exit the neighborhood	\$25,000,000	50% (2-year)	0.2% (500-year)	Atlas 14
Travis County	2017 Bond Program	2017	Spicewood Springs Rd Low Water Crossing #1 Only	Bridge to replace undersized box culvert	\$4,541,879	50% (2-year)	0.2% (500-year)	Supplemental funding provided for Atlas 14 scoping
Travis County	2017 Bond Program	2017	Arroyo Doble/Twin Creeks Drainage	Construct subdivision drainage improvements as defined in the Drainage Study and 30% Design H&H Tech Memo (February 2019, HDR) and associated 30% schematics.	\$5,626,000	50% (2-year)	1% (100-year)	Atlas 14

- More may come from City of Austin, still vetting internally
- More may come from current Sponsor outreach effort

POTENTIALLY FEASIBLE *NON-STRUCTURAL* FMPs

Community	Source Name	Source Date	Project Location	Project Type	Project Description	Project Cost	Rainfall Data
City of Buda	Drainage Bond Program Flood Mitigation Study	2018	Lifschutz Headwaters Drainage Project Area	Property Buyouts	Voluntary, targeted buyouts for 1 or more properties	TBD	Atlas 14 Proxy (500yr)
City of Jonestown	Travis County HMP	March 2017	Sandy Creek, Pecan Park	Property Buyouts	Acquisition of property located in floodway	>\$100,000	
City of Jonestown	Travis County HMP	March 2017	Lake Travis and Cross Street	Property Buyouts	Acquisition of property located in floodplain	>\$100,000	
Hays County	Hays County HMP	2017	Hays County	Property Buyouts	Action to mitigate 38 identified properties	\$15,000,000	
Jackson County	Jackson County HMP	May 2016	1EWP - Chase Cemetery	Property Buyouts	Navidad River property acquisition	>\$100,000	
Jackson County	Jackson County HMP	May 2016	Site 5 - LaSalle RC&D	Property Buyouts	Property acquisition	>\$100,000	
Jackson County	Jackson County HMP	May 2016	Site 6 - Goat Trail	Property Buyouts	Lavaca River acquisition	>\$100,000	
Jackson County	Jackson County HMP	May 2016	Site 8 - Gasch/Kutach	Property Buyouts	Arenosa Creek acquisition	>\$100,000	
Travis County	Travis County Flood Mitigation Study	11/22/2017	Arroyo Doble & Onion Creek	Property Elevations	Elevations of 15 at-risk homes in the 1% ACE	\$2,637,720	no
Travis County	Travis County Flood Mitigation Study	11/22/2017	Bluff Springs	Property Elevations	Elevation of 36 homes in the 1% ACE	\$6,599,430	no
Travis County	Travis County Flood Mitigation Study	11/22/2017	Onion Creek Meadows	Property Elevations	Elevations of 6 at-risk homes in the 1% ACE	\$845,100	no
Travis County	Travis County Flood Mitigation Study	11/22/2017	Thoroughbred Farms	Property Buyouts	Buyouts of 20 at-risk homes in the 1% ACE	\$3,812,443	no
Travis County	Travis County Flood Mitigation Study	11/22/2017	Twin Creeks	Property Buyouts	Buyout of 1 at-risk home in the 1% ACE	\$200,000	no

POTENTIAL FLOOD MANAGEMENT STUDIES (FMES)

162 Potential Studies

- ~130 Flood Mitigation Projects that need more analysis (Preliminary Engineering – 30% Design+) to determine if “Potentially Feasible” Projects
- ~15 Flood Mitigation Alternatives/Feasibility Analyses
- ~5 Floodplain Modeling and Mapping/Flood Risk Identification
- ~12 Flood Preparedness Studies

Sample of Potential Studies

Community	Source Name	Source Date	Project Location	Project Description	Project Cost	Current Level of Service	Proposed Level of Service	Benefit-Cost Ratio
Blanco County	Blanco County HMP	October 2016		Update and maintain Emergency Management Plan	<\$10,000	n/a	n/a	
City of Fredericksburg	City of Fredericksburg DMP	8/26/2016	College/N Llano, Sycamore/Travis	Storm sewer system; H&H impact assessment necessary	\$15,092,720			
Kerr County	Kerr County HMP	2018		Local Flood Warning System	\$1,000,000	n/a	n/a	
Matagorda County	Matagorda County HMP	February 2017		Update flood insurance study & FIRMS	\$10,000 to \$100,000	n/a	n/a	n/a

POTENTIALLY FEASIBLE FLOOD MANAGEMENT STRATEGIES (FMSs)

TWDB Definitions

- *“A proposed plan to reduce flood risk or mitigate flood hazards to life or property.”*
- *“Any proposed action that doesn’t qualify as an FME or FMP”*
- *“RFPG has flexibility with Strategies” (not required to include in RFP)*
- *“Strategy must quantify the estimated flood risk being addressed and potential level of flood risk reduction”*

POTENTIALLY FEASIBLE FLOOD MANAGEMENT STRATEGIES (FMSs)

TWDB Definitions

Table 14: Potentially feasible flood management strategies identified by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC10s ¹	Watersheds ²	Strategy Type	Strategy Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Plays, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Strategy Cost (\$)	Potential Funding Sources and Amount	Flood Risk ³									
															Area in 100-year (1% annual chance) Floodplain	Area in 500-year (0.2% annual chance) Floodplain	Estimated number of structures at 100-year flood risk ⁴	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated farm & ranch land at flood risk (acres) ⁵
1	Flood County Acquisition	Property acquisition program in Flood County	Goal B	Flood	1234567890	Purple Creek, Blue Creek	Property Acquisition	250	Riverine, Urban	Flood County	Flood County	N	75,000,000	Federal, State, Local, Private	60	80	500	450	1,200	3	5	10	7	100
2	Public Awareness Campaign	Public awareness of flood risk to the public	Goal C	All	All	All	Education (Region area)		All	X River Authority	List of entities in region	N	1,000,000	Private, Local	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	Blue Creek Detention	Provide detention in Blue Creek Watershed	Goal A	Flood	1234567890	Purple Creek	Regional Detention	150	Riverine	Flood County	Flood County	Y	10,000,000	Federal, State,	12	20	350	250	700	3	5	10	7	100

Potentially Feasible Flood Management Strategies Identified by RFPG (continued)

FMS ID	Reduction in Flood Risk												Cost/Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
	Number of structures with reduced 100-year (1% annual chance) Flood risk	Number of structures removed from 100-year (1% annual chance) Flood risk	Number of structures removed from 500-year (0.2% annual chance) Flood risk	Habitable structures removed from 100-year (1% annual chance) Flood risk	Estimated Population removed from 100-year (1% annual chance) Flood risk	Critical facilities removed from 100-year (1% annual chance) Flood risk (#)	Number of low water crossings removed from 100-year (1% annual chance) Flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100-year flood risk (Miles)	Estimated active farm & ranch land removed from 100-year flood risk (acres)	Estimated reduction in fatalities (if available) ⁶	Estimated reduction in injuries (if available) ⁶					
1	0	375	0	375	1,000	0	0	0	0	0	0	0	200,000	Y	N	N	N
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	150	100	125	100	280	2	3	4	3	2			44,444	Y	N	N	N
4	6,000	3,000	15,000	3,000	8,250	9	2	38	250	10			833	Y	N	N	N
5	10	85	5	85	255	1	5	9	20	20,000			555,556	Y	Y	Y	N
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	N	N	Y

¹ Estimated number of structures at 100-year flood risk will require consideration WSE and
² Estimated farm & ranch land at 100-year flood risk (acres) should only include farm and
³ Leave blank if too many for text field length (254 characters).

⁶ This field may be left blank during the 1st planning cycle. However, RFPGs are strongly encouraged to provide this information when applicable and available.

POTENTIALLY FEASIBLE FLOOD MANAGEMENT STRATEGIES (FMSs)

Previous Status - Screening of FMSs per Screening Step 2-3

- 290 Potentially Feasible Strategies “parked” in FMS bucket
- Most were thoughts and ideas from community Hazard Mitigation Plans
- Broad and vague
 - Not a Project or Study
 - Difficult, if not impossible, to quantify flood risk/risk reduction
 - Many do relate to an approved RFPG Goal
- RFPG not required to recommend strategies
- RFPG could consider making general thematic recommendations

Current Status

- Screened these “strategies” out

POTENTIALLY FEASIBLE FLOOD MANAGEMENT STRATEGIES (FMSs)

Examples of “Strategies” Screened Out – Common Themes

Education and Outreach

Community	Source Name	Source Date	Project Title	Project Description	RFPG Goal	Project Cost
Austin County	Austin County HMP	September 2019	A6 Education and Mitigation Techniques	Outreach and education campaign for hazards to reduce loss of life/property	1.1	\$7,000
City of East Bernard	Wharton County HMP	October 2016	City of East Bernard Project 3	Organize outreach program for vulnerable populations	1.1	<\$10,000
City of Highland Haven	Burnet County HMP	October 2016	City of Highland Haven 5	Provide education for flood procedures; Turn Around Don't Drown	1.1	<\$10,000
Coleman County	West Central Texas HMP	2017	Coleman County 6	Turn Around Don't Drown program	1.1	1000
Fort Bend Unincorporated	Fort Bend County HMP Update	2018	Fort Bend Unincorporated 27	Develop PSA for mitigation techniques	1.1	\$5,000
Hays County	Hays County HMP	2018	Attend Advanced Local FM Courses	Send members of staff/elected officials to floodplain admin training	1.1	\$250 / staff
Victoria County	Victoria County HMP	July 2021	Victoria County 3	Conduct all-hazards education and awareness program to educate citizens	1.1	\$20,000
Wharton County	Wharton County HMP	October 2016	Wharton County Project 15	Educate homeowners on hazards	1.1	<\$10,000

POTENTIALLY FEASIBLE FLOOD MANAGEMENT STRATEGIES (FMSs)

Examples of “Strategies” Screened Out – Common Themes

Regulatory Improvements

Community	Source Name	Source Date	Project Title	Project Description	RFPG Goal	Project Cost
Village of Point Venture	Travis County HMP	March 2017	Point Venture 2	Review Flood Ordinance for flood prevention	4.3	<\$10,000
Village of Bear Creek	Hays County HMP	2018	Flood Ordinance Higher Standards	Create higher standards to increase protection	4.3	Minimal
City of Bay City	Matagorda County HMP	February 2017	City of Bay City Project 10	Review floodplain management ordinance	4.3	<\$10,000
City of Brownwood	Mills County & City of Brownwood HMP	February 2017	City of Brownwood Project 28	Manufactured home tie-down requirements	4.3	<\$10,000
City of Burnet	Burnet County HMP	October 2016	City of Burnet 4	Building code adoption	4.3	<\$10,000
City of Palacios	Matagorda County HMP	February 2017	City of Palacios Project 17	Adopt "Higher Standard" riverine flood damage prevention ordinances	4.3	<\$10,000
City of Sunrise Beach Village	Llano County HMP	July 2016	City of Sunrise Beach Village 11	Adopt building requirements to minimize the risk of property damage or loss	4.2,4.3	\$10,000 to \$100,000
Menard County	Concho Valley HMP	2012-2017	Menard County 3	Ensure NFIP compliance	4.1	Minimal

POTENTIALLY FEASIBLE FLOOD MANAGEMENT STRATEGIES (FMSs)

Examples of “Strategies” Screened Out – Common Themes

County / City-wide Flood Warning

Community	Source Name	Source Date	Project Title	Project Description	RFPG Goal	Project Cost
Bastrop County	Bastrop County HMP	October 2016	Bastrop County Project 34	Maintain/Improve Road Closure Database; Add mechanical opening/closing devices on LWCs and flood prone roadways	2.1	>\$100,000
City of Brazoria	Brazoria County HMP	2017	Public Information and Education	Develop severe weather warning system	2.1	\$95,000
City of Buda	Hays County HMP	2018	City of Buda 13	Improve emergency communication/warning system	2.1	Minimal
Kimble County	Concho Valley HMP	2012-2017	Kimble County PA 1	Early warning system & plan	2.1	\$250,000
Menard County	Concho Valley HMP	2012-2017	Menard County PA 4	Early warning system & plan	2.1	\$30,000
Sutton County	Concho Valley HMP	2012-2017	City of Sonora PA 5	County-wide warning system	2.1	\$250,000
Victoria County	Victoria County HMP	July 2021	Victoria County 2	Purchase and implement area-wide emergency notification system	2.1	\$50,000
Wharton County	Wharton County HMP	October 2016	Wharton County Project 9	Implement Wharton County Flood Warning System	2.1	\$10,000 to \$100,000

POTENTIALLY FEASIBLE FLOOD MANAGEMENT STRATEGIES (FMSs)

Examples of “Strategies” Screened Out – Common Themes

County / City-wide Property Acquisitions (Buyouts)

Community	Source Name	Source Date	Project Title	Project Description	RFPG Goal	Project Cost
City of Bay City	Matagorda County HMP	February 2017	City of Bay City Project 9	Institute voluntary flood buy-out program	5.1	>\$100,000
Bastrop County	Bastrop County HMP	October 2016	Bastrop County Project 47	Voluntary buyouts of homes suffering repetitive loss	5.1	>\$100,000
City of Marble Falls	Burnet County HMP	October 2016	City of Marble Falls 10	Buyout residential and commercial property	5.1	>\$100,000
Fort Bend Unincorporated	Fort Bend County HMP Update	2018	Fort Bend Unincorporated 10	Mitigate repetitive loss properties; acquisition/elevation/demolition	5.1	TBD
Hays County	Hays County HMP	2018	Property Acquisition in Southeastern Hays County	Property acquisition project to mitigate repetitive loss flooding	5.1	\$8,000,000
City of Victoria	Victoria County HMP	July 2021	City of Victoria 10	Implement voluntary acquisition program for repetitive flood properties	5.1	\$3,000,000
Taylor County	West Central Texas HMP	2012-2017	Taylor County PA 8	Identify/initiate acquisition & relocation; create database of repetitive losses	5.1, 3.1	\$7,080,000
WCTCOG	West Central Texas HMP	2012-2017	WCTCOG 5	Assist communities in plan to relocate repetitive loss structures	5.1	TBD

POTENTIALLY FEASIBLE FLOOD MANAGEMENT STRATEGIES (FMSs)

Examples of “Strategies” Screened Out – Common Themes

County / City-wide Low Water Crossing Studies / Improvements

Community	Source Name	Source Date	Project Title	Project Description	RFPG Goal	Project Cost
Taylor County	West Central Texas HMP	2012-2017	Taylor County 4	Upgrade/elevate roads above 500-year flood	6.2	TBD
City of Austin	City of Austin HMP	March 2016	City of Austin 21	Inspection program to inspect scour potential for small bridges and culvert structures	3.2, 4.3	\$117,500
City of Bay City	Matagorda County HMP	February 2017	City of Bay City Project 16	Raise bridges above BFE	4.2; 6.1	>\$100,000
City of Dripping Springs	Hays County HMP	2018	Dripping Springs 18	Placement of warning signs at all locations at designated LWCs; gates at high traffic locations	2.1	\$100,000
City of Rocksprings	Edwards County HMP	March 2012	Rocksprings 6	Identify and map LWCs and roadways prone to flooding	3.2	Minimal
Edwards County	Edwards County HMP	March 2012	Edwards County 7	Analysis to determine expected flood levels. Map LWCs and roadways prone to flooding.	3.2	Minimal
Fort Bend Unincorporated	Fort Bend County HMP Update	2018	Fort Bend Unincorporated 6	Develop Feasibility Study to identify where stream, rain, and LWC gauges are needed	3.2	\$250,000

POTENTIALLY FEASIBLE FLOOD MANAGEMENT STRATEGIES (FMSs)

New Potential Direction from TWDB on “Strategies”

- Can be regional in nature
- Do not have to have Sponsor
- Do not have to have cost

Potential *Regional* Strategies for Consideration

- Flood Mitigation Education and Outreach (addresses RFPG Goal 1.1)
- Strengthen Flood Management Regulations (addresses RFPG Goal 4)
- Develop Regional Flood Warning Measures (Addresses RFPG Goal 2.1)
- Identify and Fund Buy-out Programs (addresses RFPG Goal 5.1)
- Area-wide Low Water Crossing Flood Mitigation Studies and Projects (addresses multiple RFPG goals)



Wrap Up

Region 10 Lower Colorado-Lavaca RFPG Technical Committee Meeting

6. Public comments– limit 3 minutes per person

7. Consider date and agenda items for next meeting

8. Adjourn