

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

REGION 10

**Technical Committee Meeting
May 15, 2023**

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
 April 20, 2023
 1:00 PM
 Hybrid Meeting**

Roll call:

Voting Member	Role	Present (x) /Absent () Alternate Present (*)
Kelly Payne	Chair	X
Brandon Klenzendorf	Vice Chair	X (left at 1:59 PM)
Ann Yakimovicz	Secretary	X
Kirby Brown	Member	X
Matt Hollon	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: **

**Meeting attendee names were gathered from those who entered information for joining the Zoom meeting.

Tressa Olsen, TWDB	Rene Ogando-Nanita, LCRA
Mike Personett, Halff Associates	Beth Bendik, TPWD
Cindy Engelhardt, Halff Associates	Georgina Gonzalez, TDEM# Region 4
Cris Parker, HDR	Krystle Haney
Jay Scanlon, FNI	Dale Gray (MillerGRAY)
Karen Ford, WaterPR	Shawna Payan # R4
Jennifer Bassett, LCRA	jcarey
Lauren Graber, LCRA	Travis
Annette Keaveny, LCRA	

All meeting materials are available for the public at:

www.lowercoloradolavacaflood.org/meetings

Agenda:

1) Call to Order

Kelly Payne called the meeting to order at 1:02 PM CDT. A roll call of the technical committee members was taken to record attendance and a quorum was established prior to calling the meeting to order.

2) Welcome

Kelly Payne welcomed members and other attendees to the meeting.

3) Approval of minutes from the previous meeting

The draft meeting minutes were reviewed. Kirby Brown moved to approve the minutes, seconded by Brandon Klenzendorf. The motion passed by a vote of five to zero (5-0).

4) Public comments– limit 3 minutes per person

Kelly Payne called for public comments. No member of the public provided comments.

5) Task 12 - Review and discuss results of Flood Management Evaluations to Flood Mitigation Project

Mike Personett, Halff Associates, reviewed the overall schedule and technical consultants' progress to date on additional analysis which could move seven (7) Task 12 FMEs to FMPs. Mike was followed by Jay Scanlon, FNI; Cris Parker, HDR, and Cindy Engelhardt, Halff Associates, who reported on the seven individual FMXs analyzed in Task 12.

In Gillespie County, one project is not geographically feasible and is likely to be removed from the list by the project sponsor. The second project may be re-purposed from FMP to FME after further discussion with the project sponsor due to geographic limitations on elevation and stormwater volume that could be managed.

In Burnet County, the city of Marble Falls had proposed two FMEs. For one, regional stormwater detention is the best alternative from an engineering standpoint. However, further discussion with the sponsor will be conducted to determine whether they would like to include this as an FMP after legal, political and economic factors are considered. The second FME in Marble Falls is much smaller and may need additional study of the surrounding area at the FME level to confirm BCA values before it could be moved to an FMP.

In Bastrop County, in the City of Bastrop, the two FMEs analyzed are in challenging locations where environmental considerations need to be determined in coordination with both city and county, plus possibly state and federal officials, to confirm inclusion and move these to FMPs.

In Jackson County, on-site study of the flooding at the Edna Wastewater Treatment Plant found that the plant's flooding may be due to inflow and infiltration leaks in the system and floodproofing would likely not help the water problems. Further conversation with city and plant officials is needed to remove this FME from the list.

Final reports from the Technical Consultants will be presented to the RFPG 10 Technical Committee at the May 15, 2023 meeting for review and recommendations for approval to the full RFPG at the June meeting.

In addition, Mike Personett noted that 23 possible additional activities may be considered under Task 13 for inclusion in the Amended Regional Flood Plan. Either these activities have been submitted by the sponsors or initial conversations about their fit as FMXs were ongoing between the Technical Consultants and the sponsors. A full list of additional

activities for the Amended Regional Flood Plan will be available for the Technical Committee for the May 15, 2023 meeting.

6) Consider date and agenda items for next meeting

Kelly Payne opened discussion to consider the date and agenda items for the next meeting.

After general discussion, Kelly Payne concluded that the next meeting will be held on May 15, 2023, at 9:30 AM CDT.

7) Adjourn

Matt Hollon made a motion to adjourn, seconded by Kirby Brown. The motion passed four to zero (4-0). Note: Brandon Klenzendorf left the meeting at 1:59 PM, bringing the voting member total to 4 and retaining the necessary quorum. The meeting was adjourned at 2:37 PM CDT by Kelly Payne.

*Approved by the Lower Colorado-Lavaca RFPG Technical Committee at a meeting held on **DATE**.*

Ann Yakimovicz, SECRETARY

Kelly Payne, CHAIR

Region 10 Lower Colorado-Lavaca RFPG Technical Committee Meeting

4. Public comments – limit 3 minutes per person

5. Task 12 – Presentation, discussion, and possible action regarding Flood Management Evaluation to Flood Mitigation Project Studies

Region 10 Lower Colorado-Lavaca RFPG Technical Committee Meeting

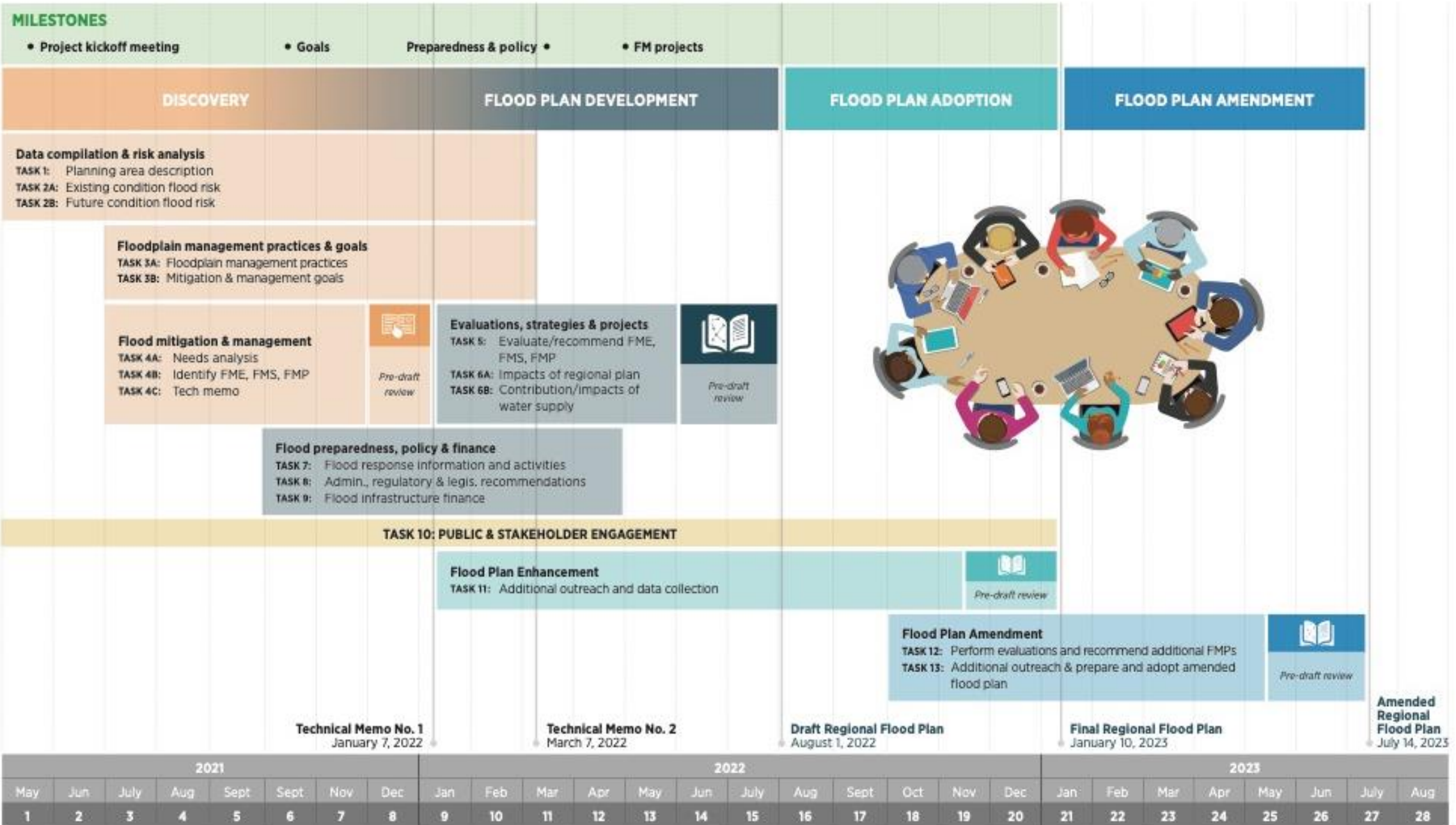
- 6. Task 13 – Consider and recommend reclassified and additional Flood Management Evaluations and Flood Mitigation Projects**



LOWER COLORADO – LAVACA
REGIONAL FLOOD PLAN
A TEXAS INITIATIVE

RFPG 10 TECHNICAL COMMITTEE | MAY 15, 2023





AGENDA

Project Status

- Task 12: Perform Identified Flood Management Evaluations to Identify, Evaluate, and Recommend Additional Flood Mitigation Projects
 - Discuss Final FME to FMP Technical Memorandums (7)
- Task 13: Preparation and Adoption of the Amended Regional Flood Plan
 - Discuss and consider recommendation to RFPG new, revised, and reclassified FMXs

Look-Ahead



Task 12

Perform Identified Flood Management Evaluations

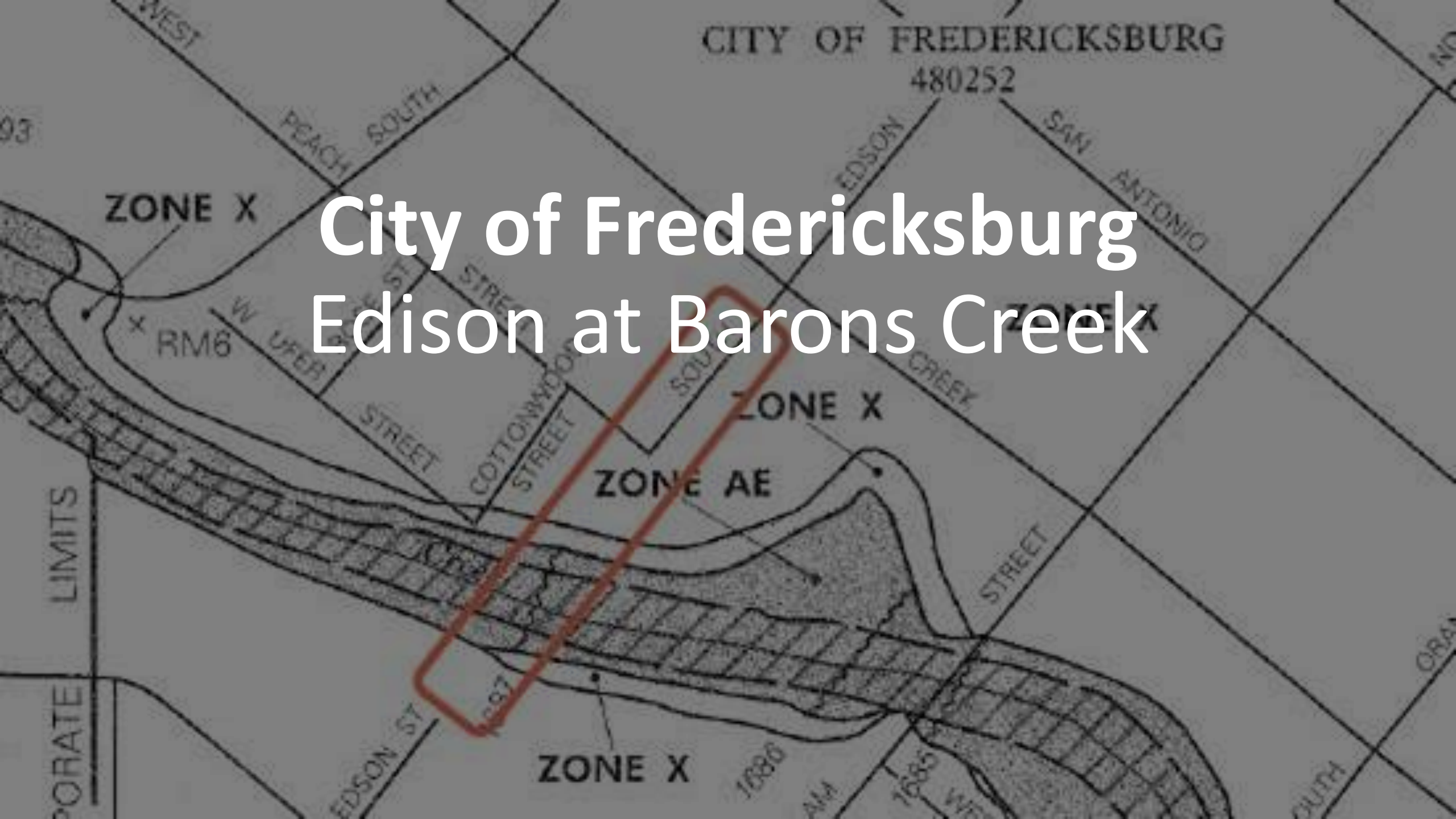
Identify, Evaluate, and Recommend Additional Flood
Mitigation Projects

TASK 12 – PERFORM FMEs FOR ADDITIONAL FMPs

FME Title	County	Sponsor	Technical Lead	Suggested FMX	Action Number	Estimated Cost
Edison & Creek Street	Gillespie	Fredericksburg	FNI	Revise FME	101000043	\$150,000
Creek Street at Barons Creek	Gillespie	Fredericksburg	FNI	Change to FMP	101000065	\$2,027,000
Whitman Branch Bypass; Oak Ridge Dr Creek, including Detention	Burnet	Marble Falls	HDR	Change to FMP	101000067	\$28,000,000
Broadway Street at Whitman Branch Low Water Crossing	Burnet	Marble Falls	HDR	Change to FMP	101000066	\$5,234,400
FM 812 at Little Alum Creek	Bastrop	Bastrop Co.	Halff	Change to FMP	101000060	\$8,288,617
Piney Creek Benching	Bastrop	Bastrop Co.	Halff	Change to FMP	101000061	\$23,991,550
Wastewater Treatment Plant Floodproofing	Jackson	Edna	HDR	Remove from RFP	N/A	N/A

CITY OF FREDERICKSBURG
480252

City of Fredericksburg Edison at Barons Creek



TASK 12 – PERFORM FMEs

FME 101000043

Barons Creek Watershed Study

- City identified alternative has minimal flood risk reduction
- Preliminary results indicate additional storm drains will reduce street and property flooding
- Propose expanded FME:
 - Larger study area south of Main Street and downstream of US 290
 - Potential for wider / more impactful flood risk reduction

Flood Management Evaluation (FME) STUDY

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

REGION 10

Title **Barons Creek Watershed - Southwest City** ID# **101000043**
Sponsor (note if City or County) **Fredericksburg (Municipality)** Commitment Yes No

Study Type

Emergency preparedness Floodplain modeling, mapping and risk assessment Feasibility study Preliminary project engineering
 Other

Problem Area

City **Fredericksburg** County **Gillespie**
Watershed name(s) **Pedernales**
Tributary(ies) **Barons Creek**
HUC#(s) **12090206** Stream miles (est.) **1.55**
Drainage area: square miles, est **0.28** or acreage, est **182.13**
Social Vulnerability Index (SVI) **0.10**
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)
Other **Drainage System and Roadway/Crossing Improvements**



Flood Risk Description

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

Population at risk **830** Structures at risk **274** Critical facilities at risk (number) **0**
Farm/Ranch land impacted (acres) **0** Roadway(s) Impacted (miles) **1.49**

Scope of Study

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

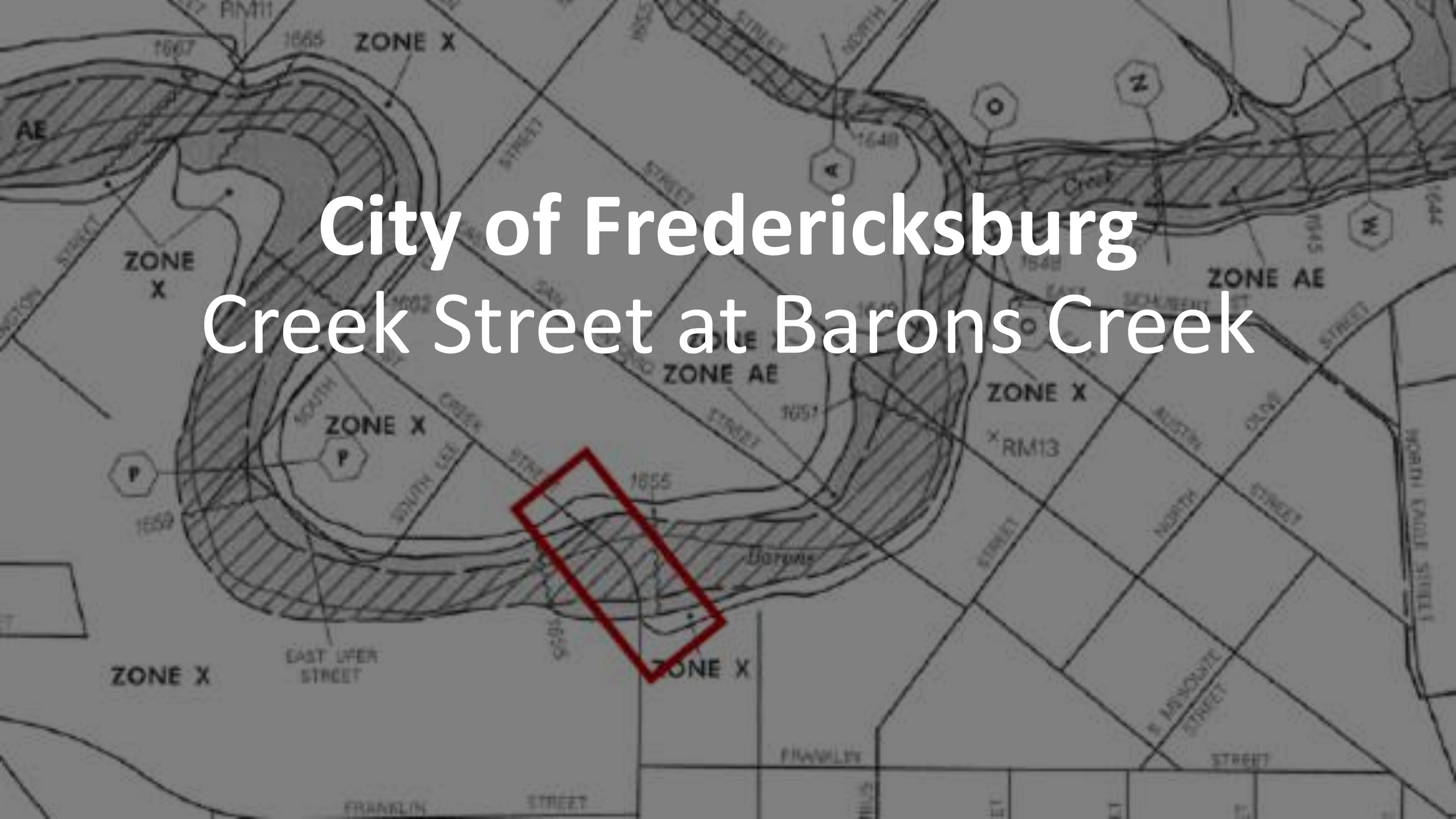
Related Goal(s)

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

Estimated Study Cost

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

City of Fredericksburg Creek Street at Barons Creek



TASK 12 – PERFORM FMEs

FMP 101000065

Creek Street at Barons Creek

- Crossing Improvements:
 - Raise roadway ~13 feet
 - 10-year event level of service
 - Channel improvements to mitigate adverse impacts

- \$2,027,000 total cost

- Benefit Cost Ratio = 0.3

Flood Mitigation Project (FMP)

Title ID#
 Sponsor (note if City or County) Commitment Yes No
 Technical committee recommend Yes No RFPG recommend Yes No

Project Type

STRUCTURAL

Detention Channel modification Bridge/culvert Storm drain Levee/floodwall

Other

NON-STRUCTURAL

Property buyouts Floodproofing Flood readiness/resilience Flood warning system/gauges

Other

Problem Area

City County
 Watershed name(s)
 Tributary(ies)
 HUC#(s) Stream miles (est.)
 Drainage area: square miles, est or acreage, est
 Social Vulnerability Index (SVI)
 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)
 Other



Flood Risk Description

The crossing on Creek Street at Barons Creek is in a residential area approximately 1,100 feet south of Interstate 290. Hydraulic analysis shows the overtopping of Creek Street to a depth of 3.38 feet during the 2-year event and 18.9 feet during the 100-year event.

Proposed level-of-service Status Atlas 14 rainfall used Yes

Project Description

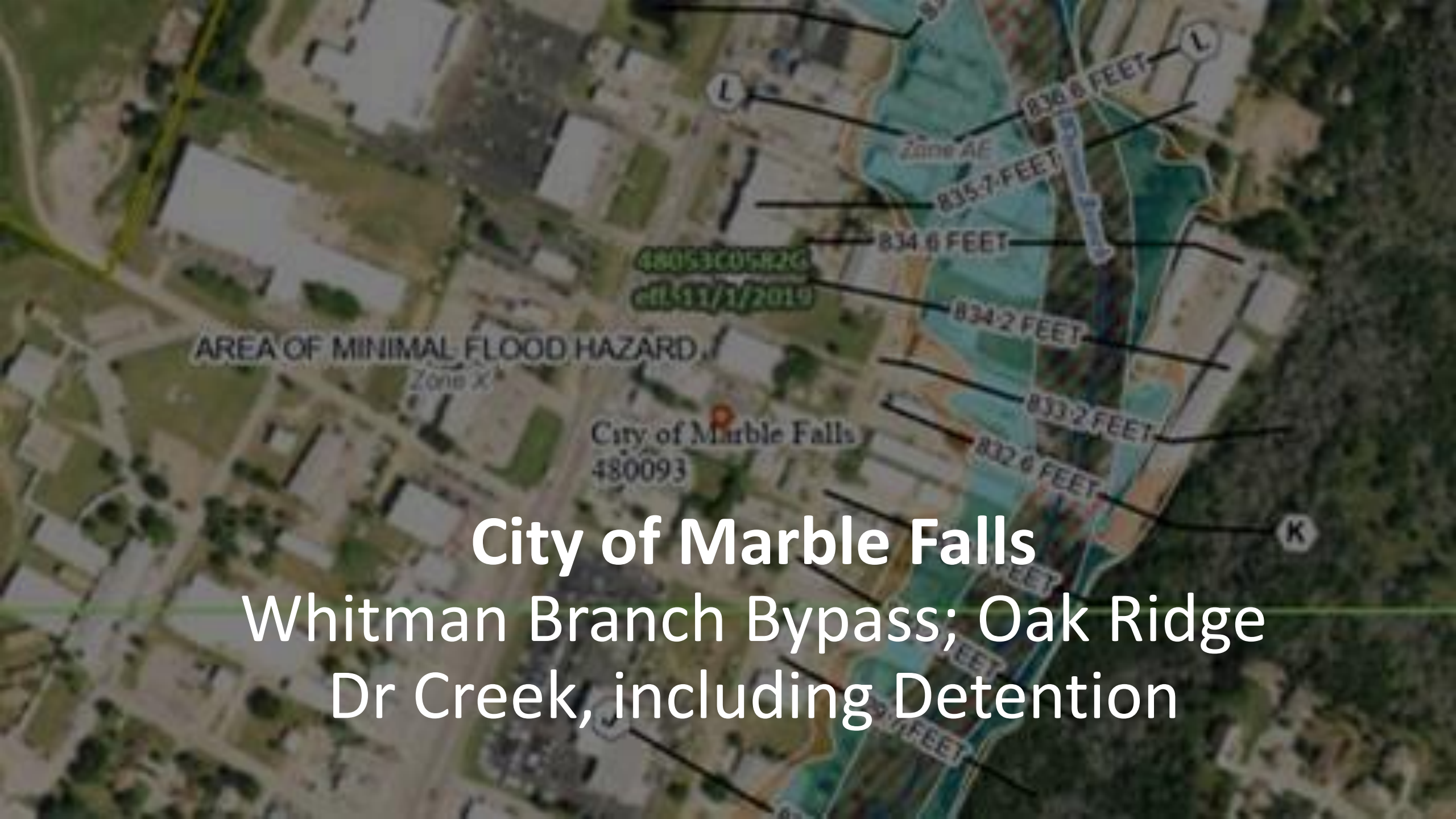
Proposed improvements include the construction of a new bridge including approximately 300-ft of roadway improvements and approximately 225 feet of channel modifications. Final design considerations for the channel modifications include incorporating natural channel design features such as a multi-stage channel section, use of natural materials for the channel bottom and side slopes, and native vegetation for site restoration.

Related Goal(s)

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

Estimated Project Cost

Capital cost Ongoing O&M costs Cost/benefit analysis
 Potential funding source(s)



AREA OF MINIMAL FLOOD HAZARD

Zone X

City of Marble Falls
480093

48053C05R2C
01/11/2019

City of Marble Falls Whitman Branch Bypass; Oak Ridge Dr Creek, including Detention

Zone AE

838.6 FEET

835.7 FEET

834.6 FEET

834.2 FEET

833.2 FEET

832.6 FEET

831.6 FEET

830.6 FEET

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TASK 12 – PERFORM FMEs

FMP 101000067

Whitman Branch Regional Stormwater Detention

- Regional Detention:
 - 38 feet maximum height earthen embankment dam
 - 100-year level of protection
 - 10 feet of freeboard to provide dam safety compliance
- \$28,000,000 total cost
- Benefit Cost Ratio = 1.3

Flood Mitigation Project (FMP)

Title ID#
 Sponsor (note if City or County) Commitment Yes No
 Technical committee recommend Yes No RFPG recommend Yes No

Project Type

STRUCTURAL

Detention Channel modification Bridge/culvert Storm drain Levee/floodwall

Other

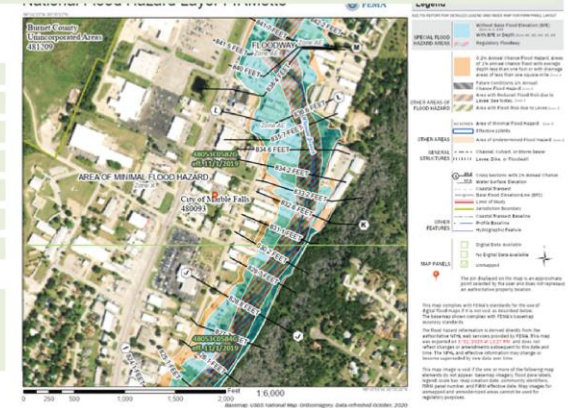
NON-STRUCTURAL

Property buyouts Floodproofing Flood readiness/resilience Flood warning system/gauges

Other

Problem Area

City County
 Watershed name(s)
 Colorado River
 Tributary(ies)
 HUC#(s) Stream miles (est.)
 Drainage area: square miles, est or acreage, est
 Social Vulnerability Index (SVI) (FROM HALFF)
 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)
 Other



Flood Risk Description

The Commerce Street area development is well within the riverine floodplain of Whitman Branch tributary. Existing flood risk to the Commerce Street area is extensive. There are approximately 66 commercial and residential buildings that face expected flood risk in the 100-year event. There are two existing public roadway low water crossings that will overtop in most day-to-day rainfall events, and US Highway 281 at the downstream end of the Commerce Street area which overtops in 10 year events and larger.

Proposed level-of-service Status Atlas 14 rainfall used Yes

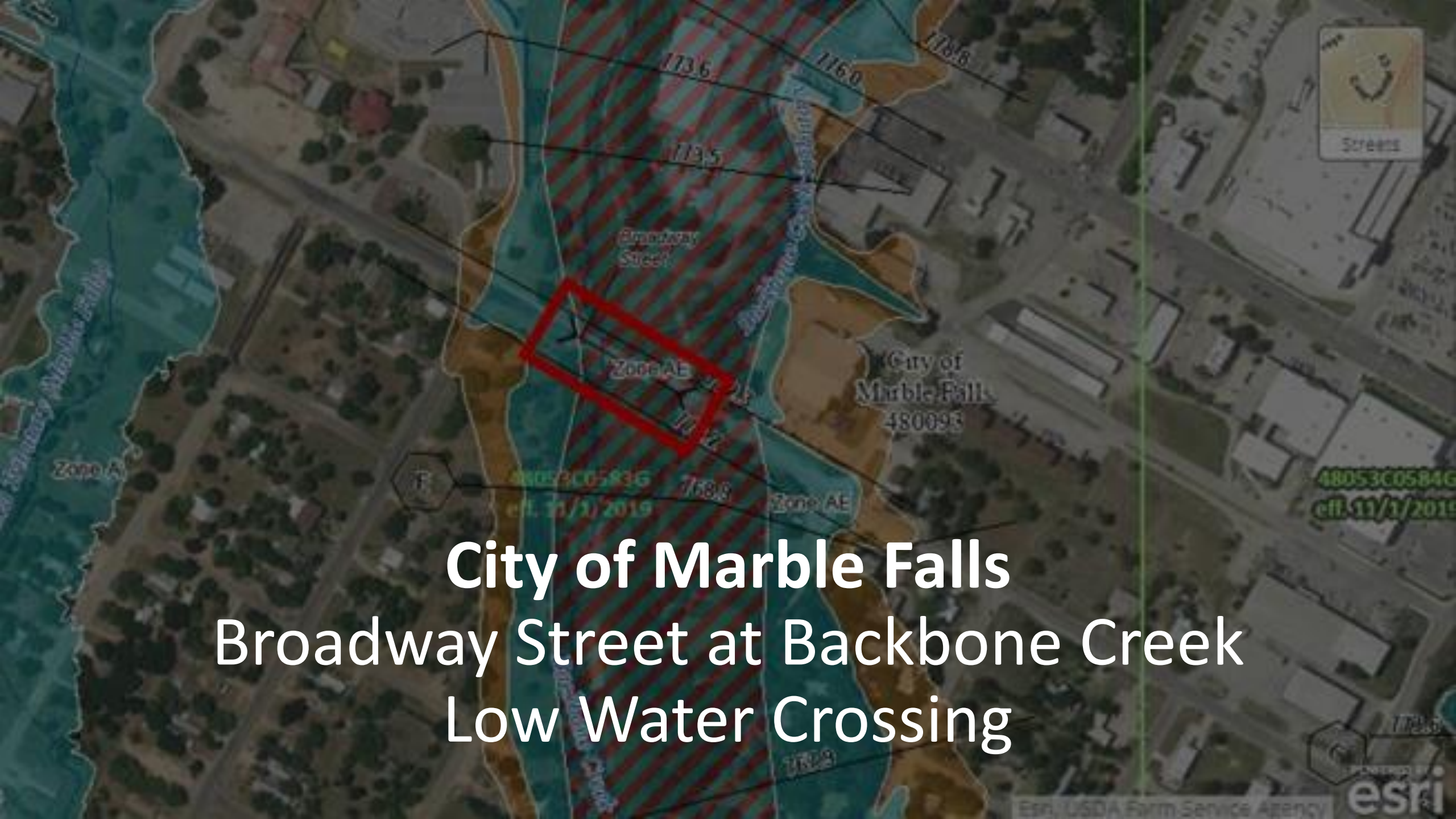
Project Description

This FMP proposes a regional stormwater detention solution to control flows upstream of the Commerce Street area. The solution includes an approximately 36 ft maximum height earthen embankment dam approximately 1750 feet long on Whitman Branch near Coach Drive. The reservoir storage volume and outlet works configuration were chosen to provide an approximate 100-year level of protection to the Commerce Street area. The proposed top of dam is set at 890' msl; providing over 10' of freeboard in a 100-year event which approximates expected additional storage requirements for dam safety.

Related Goal(s)

Estimated Project Cost

Capital cost Ongoing O&M costs Cost/benefit analysis
 Potential funding source(s)



City of Marble Falls
Broadway Street at Backbone Creek
Low Water Crossing

TASK 12 – PERFORM FMEs

FMP 101000066

Broadway Street at Backbone Creek

- Crossing Improvements:
 - 300-ft TxDOT slab beam bridge
 - Elevate roadway 8 feet
 - Channel widening through and downstream of bridge
- \$5.2M total cost
- Benefit Cost Ratio = 0.7

Note: BCA is significantly impacted by overtopping depth (42" versus 48"). 42" of existing condition overtopping results in \$7.2M in benefits and a benefit cost ratio of 1.4.

Flood Mitigation Project (FMP)

Title ID#
 Sponsor (note if City or County) Commitment Yes No
 Technical committee recommend Yes No RFPG recommend Yes No

Project Type

STRUCTURAL

Detention Channel modification Bridge/culvert Storm drain Levee/floodwall

Other

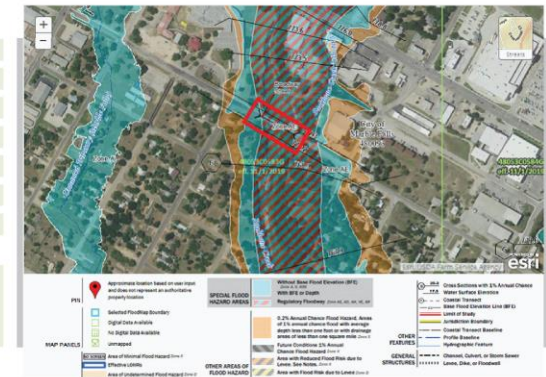
NON-STRUCTURAL

Property buyouts Floodproofing Flood readiness/resilience Flood warning system/gauges

Other

Problem Area

City County
 Watershed name(s)
 Tributary(ies)
 HUC#(s) Stream miles (est.)
 Drainage area: square miles, est or acreage, est
 Social Vulnerability Index (SVI) (FROM HALFF)
 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)
 Other



Flood Risk Description

The Broadway Street bridge is one of the most commonly closed low water crossings in Marble Falls and is located in a Zone AE special flood hazard with a designated floodway. It is a heavily trafficked street, providing an alternative route to the US 281/1431 intersection, as well as a frequented route for emergency response vehicles which are stationed nearby. Existing conditions model results indicate the Broadway Street bridge crossing is incapable passing the 2-Year event without roadway overtopping.

Proposed level-of-service Status Atlas 14 rainfall used Yes

Project Description

This FMP proposes a full replacement of the existing Broadway Street bridge, stream channel improvements, and increasing conveyance and storage in the adjacent floodplains. The existing bridge is approximately 150 feet in length with the top of the bridge deck at an elevation of 763.5 feet. The new bridge deck length will be increased to approximately 350 feet in length be raised up 10.5 feet to elevation 773. Included as part of the bridge replacement are raising and repaving the existing road approach sections from intersection to intersection to match the bridge deck elevation of 773 feet, replacing existing sidewalks and raising manhole rim elevations near the intersection with Avenue S, and installing a new retaining wall to protect and maintain access to an existing sewage pump station near Avenue Q.

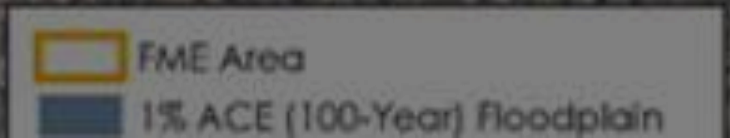
Related Goal(s)

Estimated Project Cost

Capital cost Ongoing O&M costs Cost/benefit analysis
 Potential funding source(s)

Bastrop County

FM 812 at Little Alum Creek



TASK 12 – PERFORM FMEs

FMP 101000060

FM 812 at Little Alum Creek

- Crossing Improvements:
 - Raise roadway ~2.5 feet
 - Replace culverts with 140’ span bridge
 - 100-year event level of service
 - Channel improvements to mitigate adverse impacts

- \$8,288,617 total cost

- Benefit Cost Ratio = 0.5

Flood Mitigation Project (FMP)

Title FM 812 at Little Alum Creek ID# 101000027
 Sponsor (note if City or County) Bastrop County Commitment Yes No
 Technical committee recommend Yes No RFPG recommend Yes No

Project Type

STRUCTURAL

Detention Channel modification Bridge/culvert Storm drain Levee/floodwall

Other

NON-STRUCTURAL

Property buyouts Floodproofing Flood readiness/resilience Flood warning system/gauges

Other

Problem Area

City N/A County Bastrop
 Watershed name(s) Walnut Creek-Cedar Creek
 Tributary(ies) Little Alum Creek
 HUC#(s) 1209030103 Stream miles (est.) 0.4 mi
 Drainage area: square miles, est 1.8 sqmi or acreage, est
 Social Vulnerability Index (SVI) 0.4522, 0.1868
 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other



Flood Risk Description

Bastrop County identified FM 812 at Little Alum Creek of high importance to increase the level of service and provide safe access to residential areas to use as their primary ingress and egress. The existing structure (2 – 7’ x 7’ box culverts) where FM 812 crosses Little Alum Creek does not have a 2-year level of service. In addition to the road overtopping, there is one residential structure located near the crossing in the FEMA effective 100-year floodplain.

Proposed level-of-service 100-year Status Preliminary Engineering Atlas 14 rainfall used Yes

Project Description

The proposed improvements include raising FM 812 and replacing the existing 2 – 7’ x 7’ box culverts with a 2-span bridge with each span measuring 70 feet (for a total bridge length of 140 feet) and approximately 510 feet of roadway improvements. Proposed improvements for Little Alum Creek include benching into the channel banks approximately 1,930 feet while avoiding the ordinary high water mark.

Related Goal(s)

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

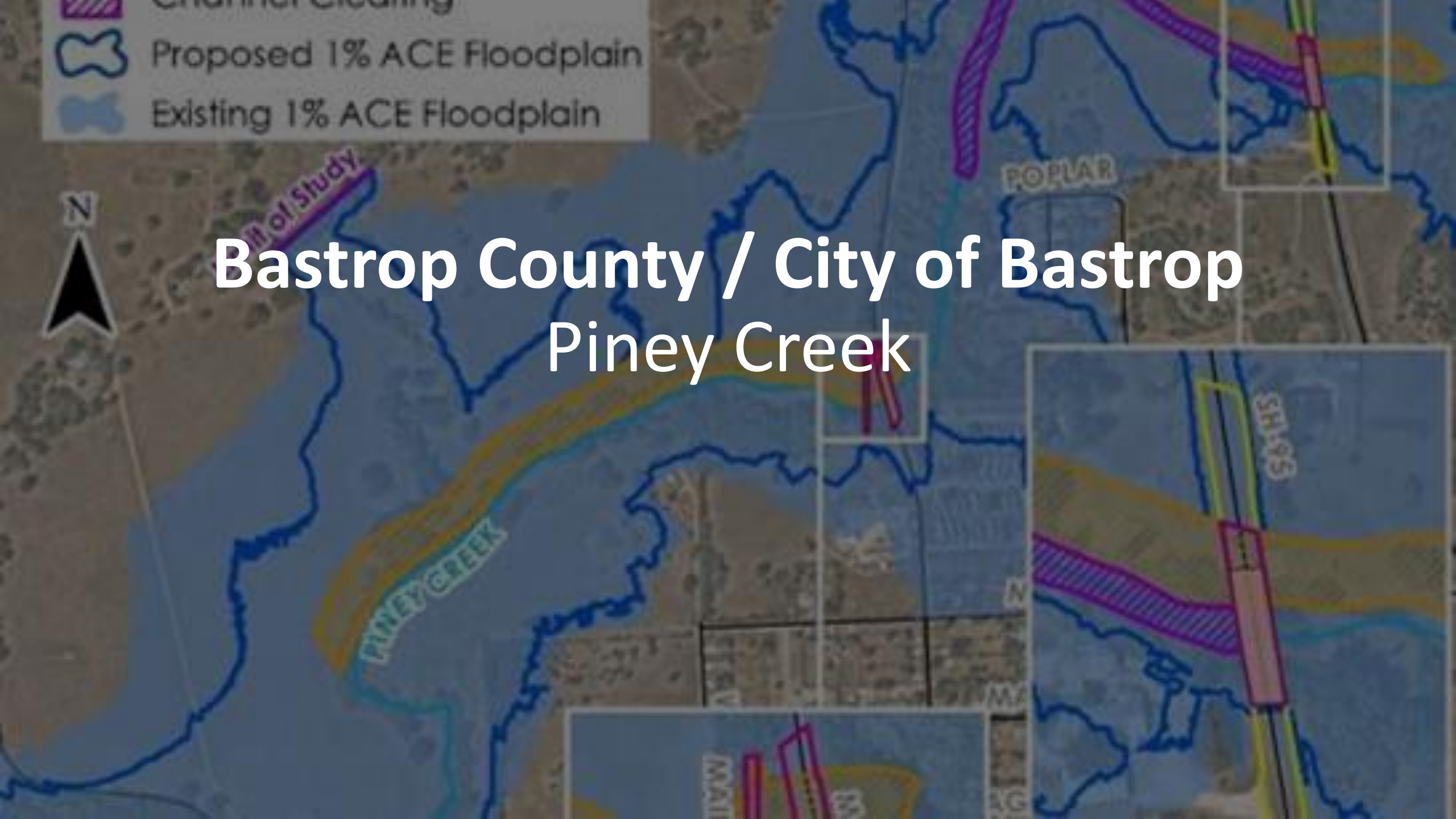
Estimated Project Cost

Capital cost \$8,288,617 Ongoing O&M costs TBD Cost/benefit analysis 0.5
 Potential funding source(s) Federal/state grants and/or local funds

- Channel Closing
- Proposed 1% ACE Floodplain
- Existing 1% ACE Floodplain



Bastrop County / City of Bastrop Piney Creek



TASK 12 – PERFORM FMEs

FMP 101000061

Piney Creek Mitigation

- Mitigation Improvements:
 - SH-95 improvements to pass 100-year event
 - Main Street improvements to pass 10-year event
 - Railroad improvements to lower backwater
 - Channel improvements to mitigate adverse impacts

- \$23,991,550 total cost

- Benefit Cost Ratio = 0.6

Flood Mitigation Project (FMP)

Title ID#
 Sponsor (note if City or County) Commitment Yes No
 Technical committee recommend Yes No RFPG recommend Yes No

Project Type

STRUCTURAL

Detention Channel modification Bridge/culvert Storm drain Levee/floodwall

Other

NON-STRUCTURAL

Property buyouts Floodproofing Flood readiness/resilience Flood warning system/gauges

Other

Problem Area

City County
 Watershed name(s)
 Tributary(ies)
 HUC#(s) Stream miles (est.)
 Drainage area: square miles, est or acreage, est
 Social Vulnerability Index (SVI)
 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)
 Other



Flood Risk Description

The existing condition flood risk includes three road crossings that overtop and two subdivisions that flood during the 100-year storm event. Overtopping roads include SH 95, Main Street, and Reids Bend. These roads are access routes for residents in and out of the City of Bastrop. The two subdivisions that are located in close proximity to the channel banks of Piney Creek are Bastrop Estates Mobile Home Park and Mercedes Cove subdivision, both of which are located in the FEMA regulated 100-year floodplain.

Proposed level-of-service Status Atlas 14 rainfall used Yes

Project Description

The proposed improvements provide an all-weather access (100-year level of service) at SH 95 and reduces overtopping at Main Street and Reids Bend during the 100-year storm event. The project improvements include approximately 4,150 LF of channel benching, 2,200 LF of channel clearing or vegetation thinning, and bridge improvements at UPRR bridge, Main Street and pedestrian bridge, and SH 95. UPRR bridge is proposed to be widened from a 150 foot span to a 300 foot span. Main Street bridge is currently a 100 foot span and is being proposed to a 300 foot span. The pedestrian bridge at Main Street is a 50 foot span and is proposed to be a 300 foot span to match Main Street. And finally, SH 95 is currently a 60 foot span and is proposed to be a 250 foot span.

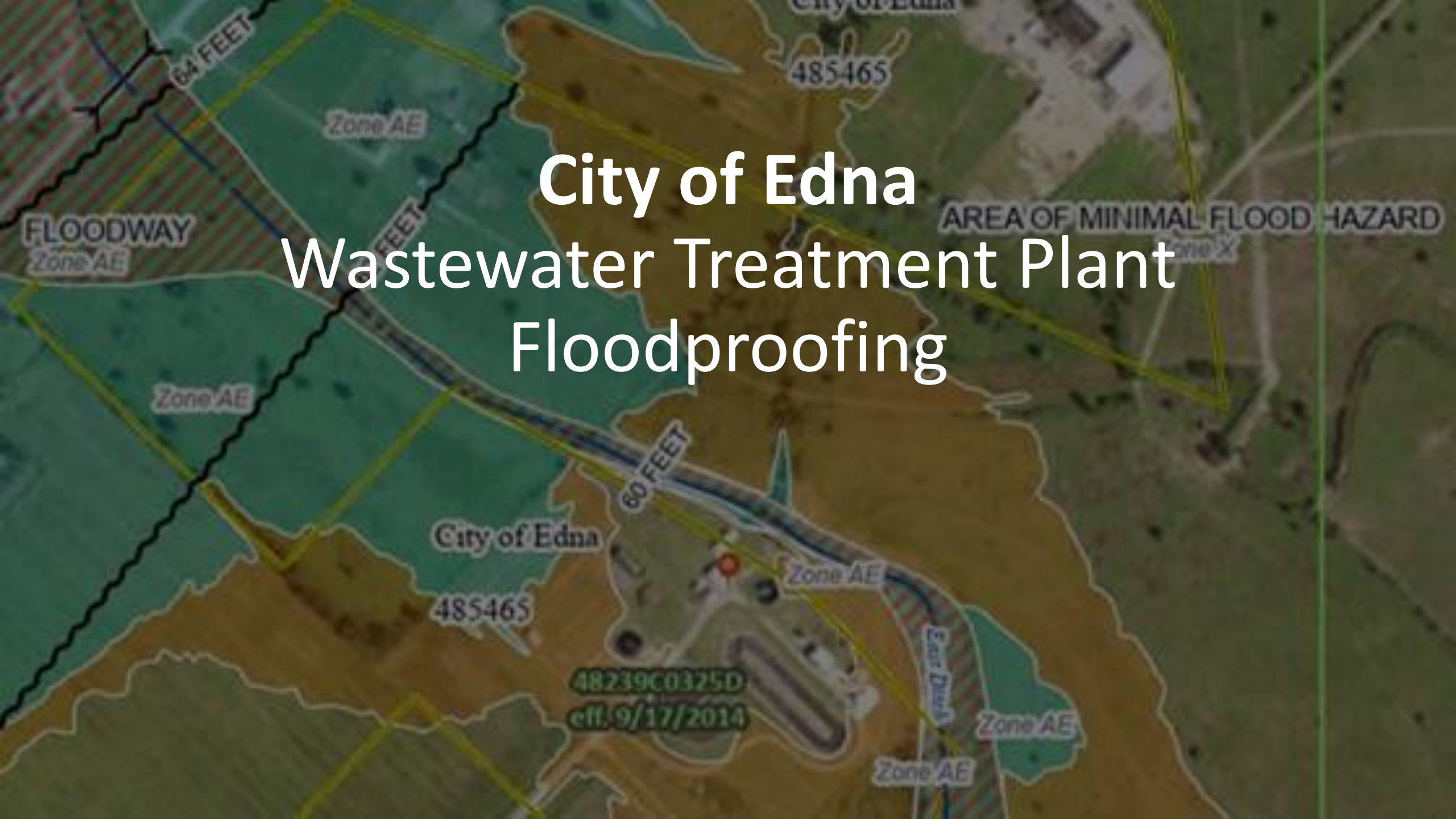
Related Goal(s)

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

Estimated Project Cost

Capital cost Ongoing O&M costs Cost/benefit analysis
 Potential funding source(s)

City of Edna Wastewater Treatment Plant Floodproofing

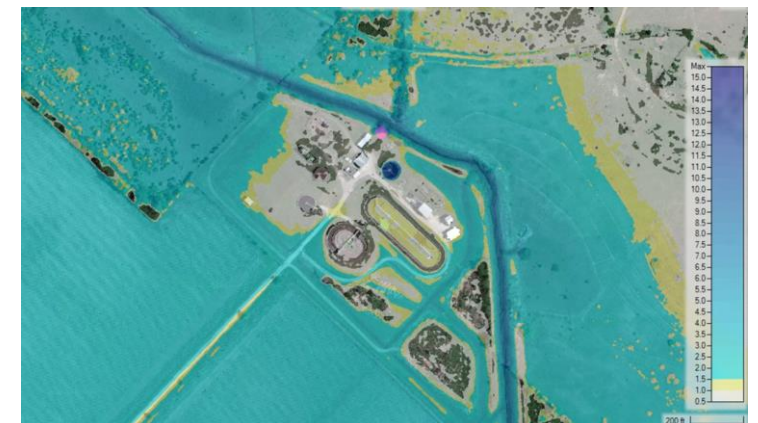
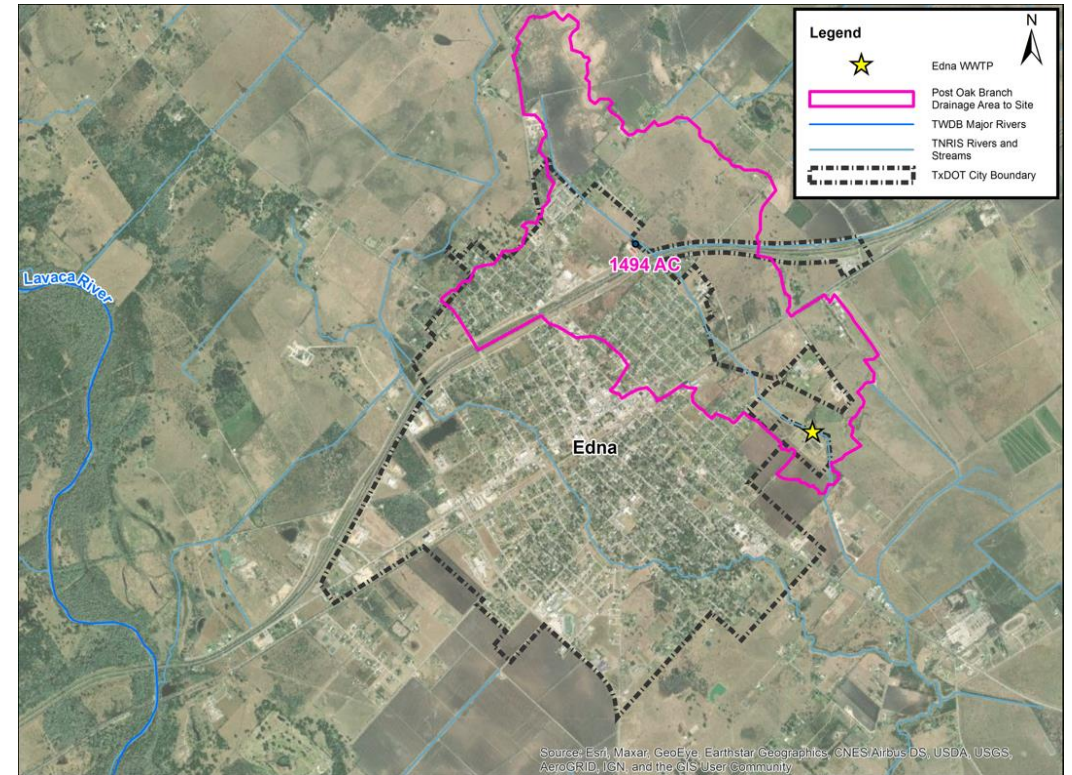


TASK 12 – PERFORM FMEs

No Action

Edna Wastewater Treatment Plant Floodproofing

- FME Findings:
 - WWTP infrastructure above 100-year flood
 - Increased inflow and infiltration (I&I) flow may impact UV disinfection system
 - Uncertainties in observed high-water marks
 - Further investigation of WWTP operations and I&I are recommended
 - Flood mitigation funding may not be most applicable to this issue
 - Recommend removal from RFP





Task 13

Preparation and Adoption of the Amended Regional Flood Plan

TASK 13 – PREPARATION AND ADOPTION OF AMENDED PLAN

Possible additional activities for Amended Regional Flood Plan

Flood Management Evaluations (FMEs)

- 1 from Task 12 Analysis
- 30 from Sponsor provided Information
 - 1 City of Austin (*correction of sponsor*)
 - 7 City of Bastrop Drainage Master Plan
 - 1 City of Hays
 - 2 City of Needville
 - 8 City of Pflugerville Drainage Master Plan
 - 2 Burnet County
 - 3 Caldwell County
 - 1 Lee County
 - 4 Wharton County
 - 1 Matagorda County Conservation District

Flood Mitigation Projects (FMPs)

- 5 from Task 12 Analysis
- 9 from Sponsor provided Information
 - 2 City of Austin (FME to FMP)
 - 2 City of Bastrop Drainage Master Plan
 - 1 City of Pflugerville Drainage Master Plan
 - 3 Caldwell County
 - 1 Wharton County

TASK 13 – PREPARATION AND ADOPTION OF AMENDED PLAN

Possible additional Flood Management Evaluations (FMEs) - Municipal

Action Number	Action Name	Sponsor	County	Technical Lead	Status
101000203	City of Austin Highland Hills (<i>correcting sponsor to Austin</i>)	City of Austin	Travis	FNI	Draft for review
101000215	Hill, Pecan, & Pine Street Drainage Improvements (DMP GB-04)	City of Bastrop	Bastrop	Halff	Draft for review
101000216	Local Storm Drain Improvements Near Piney Creek (DMP PC-04)	City of Bastrop	Bastrop	Halff	Draft for review
101000217	Pecan Street Bypass & Pond Diversion (DMP PC-05)	City of Bastrop	Bastrop	Halff	Draft for review
101000218	Pecan, Beech, & Haysel Improvements to Gills Branch (DMP GB-05)	City of Bastrop	Bastrop	Halff	Draft for review
101000219	Bastrop Storm Drain Evaluation (DMP COB-02)	City of Bastrop	Bastrop	Halff	Draft for review
101000220	Water, Spring, & Cedar Street Drainage Improvements (DMP GB-03)	City of Bastrop	Bastrop	Halff	Draft for review
101000246	Riverwood Drive Improvements at Piney Creek (DMP PC-02)	City of Bastrop	Bastrop	Halff	Draft for review
101000226	City of Hays Drainage Master Plan Update	City of Hays	Hays	Halff	Draft for review
101000229	City of Needville Wastewater Treatment Plant Floodproofing	City of Needville	Fort Bend	HDR	Draft for review
101000230	City of Needville Fairchild Creek Drainage Mitigation Study	City of Needville	Fort Bend	HDR	Draft for review
101000231	Caldwell Elementary Improvements at Upper Gilleland Creek (DMP GC-01)	City of Pflugerville	Travis	Halff	Draft for review
101000232	Pflugerville Storm Drain CCTV Evaluation (DMP Pf-03)	City of Pflugerville	Travis	Halff	Draft for review
101000233	Hidden Lake Drive Improvements at Wilbarger Creek Tributary 200 (DMP WC-02)	City of Pflugerville	Travis	Halff	Draft for review
101000234	Kennemer Drive Improvements at Wilbarger Creek Tributary 200 (DMP WC-05)	City of Pflugerville	Travis	Halff	Draft for review
101000235	North Heatherwilde Improvements at Upper Gilleland Creek (DMP GC-02)	City of Pflugerville	Travis	Halff	Draft for review
101000237	Railroad Avenue Improvements at Upper Gilleland Creek (DMP GC-04)	City of Pflugerville	Travis	Halff	Draft for review
101000238	Swenson Farms Improvements at Upper Gilleland Creek (DMP GC-03)	City of Pflugerville	Travis	Halff	Draft for review
101000239	Weiss Lane Improvements at Wilbarger Creek (DMP WC-01)	City of Pflugerville	Travis	Halff	Draft for review

Note: Inclusion of new activities is dependent upon sponsor support and provided information.

TASK 13 – PREPARATION AND ADOPTION OF AMENDED PLAN

Possible additional Flood Management Evaluations (FMEs) - County

Action Number	Action Name	Sponsor	County	Technical Lead	Status
101000221	Burnet County Lower Water Crossing Assessment	Burnet County	Burnet	Halff	Initial coordination
101000222	Burnet County Modeling and Mapping Update	Burnet County	Burnet	Halff	Initial coordination
101000223	Caldwell County Flood Early Warning System	Caldwell County	Caldwell	FNI	Draft for review
101000224	Lytton Springs Creek Near CR 174	Caldwell County	Caldwell	FNI	Draft for review
101000225	CR175 @ Cedar Creek Trib 1	Caldwell County	Caldwell	FNI	Draft for review
101000228	Cummins Creek WS SCS Site 1 Dam Flood Management Evaluation	Lee County	Lee	Halff	Draft for review
101000240	Town of Boling Drainage Master Plan	Wharton County	Wharton	FNI	Draft for review
101000241	Louise Drainage Master Plan	Wharton County	Wharton	FNI	Draft for review
101000243	Colorado River Levee Gate Structure Improvements	Matagorda County Conservation Reclamation District	Wharton	FNI	Draft for review
101000244	El Lobo Neighborhood Drainage Improvements	Wharton County	Wharton	FNI	Draft for review
101000245	Pecan Valley Phase 2 Preliminary Engineering Report	Wharton County	Wharton	FNI	Draft for review

Note: Inclusion of new activities is dependent upon sponsor support and provided information.

TASK 13 – PREPARATION AND ADOPTION OF AMENDED PLAN

Possible additional Flood Mitigation Projects (FMPs)

Action Number	Action Name	Sponsor	County	Technical Lead	Status
103000055	Dalton Lane Improvements	City of Austin	Travis	FNI	Draft for review
103000056	Waller Creek – Guadalupe Storm Drain Improvements	City of Austin	Travis	FNI	Draft for review
103000057	Detention Pond at Hunters Crossing (DMP SB-01)	City of Bastrop	Bastrop	Halff	Draft for review
103000059	SH-95 Improvements at Gills Branch (DMP GB-01)	City of Bastrop	Bastrop	Halff	Draft for review
103000062	Cedar Creek Channel Improvements Near Christian Drive	Caldwell County	Caldwell	FNI	Draft for review
103000063	CR 170 Low Water Crossing Improvements @ Lytton Creek	Caldwell County	Caldwell	FNI	Draft for review
103000064	CR 172 Low Water Crossing Improvements @ Lytton Creek	Caldwell County	Caldwell	FNI	Draft for review
103000068	Immanuel Road/Pecan Park at Upper Gilleland Creek (DMP GC-05)	City of Pflugerville	Travis	Halff	Draft for review
103000070	Lower Peach Creek Channel Widening and Regional Detention	Wharton County	Wharton	FNI	Draft for review

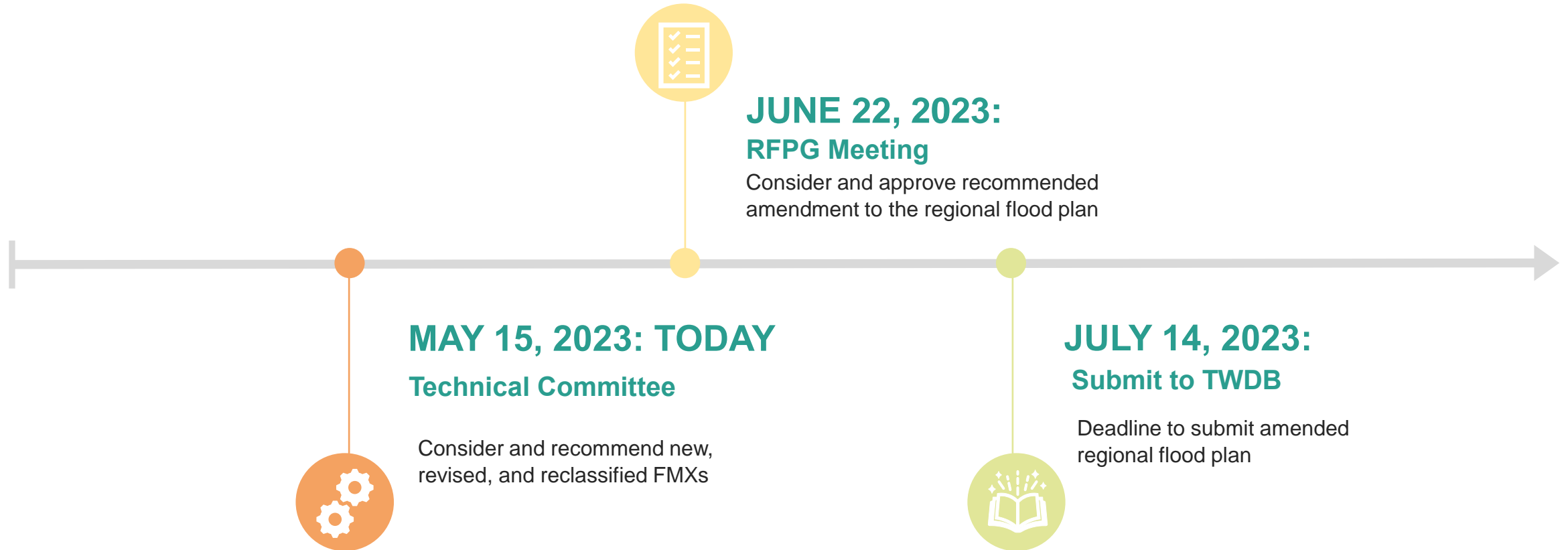
Note: Inclusion of new activities is dependent upon sponsor support and provided information.



Look Ahead

SCHEDULE TO AMENDED REGIONAL FLOOD PLAN

Proposed Approach



Region 10 Lower Colorado-Lavaca RFPG Technical Committee Meeting

7. Consider date and agenda items for next meeting

8. Adjourn