FMX Batch 4 6/16/2022

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	Action Number	Action Name	County	Batch Page Number	TC Rec	Tech Committee Rec	RFPG Rec	RFPG Rec
				0	(Y/N)	Date	(Y/N)	Date
FME	101000184	City-wide Flood Warning Systems		1				
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FMS	102000004	Stream Corridor Protection and Restoration		8				
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Title City-wide Flood Warning Systems ID# 101000184

Sponsor (name of entity) Wharton (Municipality) Commitment X Yes No

Technical committee recommend Yes No RFPG recommend Yes No



Study Type

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

Problem Area

City Wharton

Watershed name(s)

Multiple Watersheds

Tributary(ies)

Unnamed Tributary

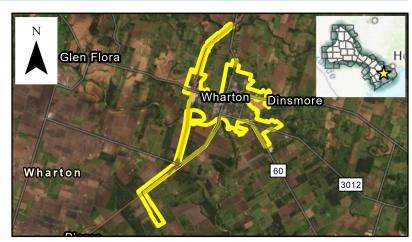
HUC# 12090402,12090302 Stream miles (est.) TBD

Drainage area: square miles, est 7.50 or acreage, est. 4,799

Social vulnerability index 0.81

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other Install Flood Early Warning System



Flood Risk Description

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

Population at risk 3,900 Structures at risk 1,300 Critical facilities at risk 1

Farm/Ranch land impacted (acres) 0 Roadway(s) impacted (miles) 28.20

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

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

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ID# 101000185 City-wide Drainage Master Plan Sponsor (name of entity) Wharton (Municipality) Commitment X Yes Technical committee recommend Yes RFPG recommend Yes No



Study Type

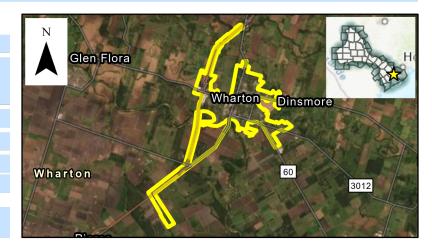
Emergency preparedness Floodplain modeling, mapping and risk assessment Other

X Feasibility study

Preliminary project engineering

Problem Area

County Wharton City Wharton Watershed Multiple Watersheds name(s) Tributary(ies) Unnamed Tributary 12090402,12090302 Stream miles (est.) TBD Drainage area: square miles, est 7.50 or acreage, est. 4,799 Social vulnerability index 0.81 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.) Other Watershed Study



Flood Risk Description

The area has multiple local drainage problems and portions of the region are at risk of flooding. The area has experienced excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion. The existing flood risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk 3,900

Structures at risk 1,300

Critical facilities at risk 1

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

28.20

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

\$250,000

Potential funding source(s) TBD

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Title City-wide Drainage Master Plan (integrate with Dry Creek Study) ID# 101000188

Sponsor (name of entity) Edna (Municipality) Commitment X Yes No

REGIONAL FLOOD
PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend Yes

Floodplain modeling, mapping and risk assessment

X Feasibility study

Preliminary project engineering

Other

Problem Area

City Edna County Jackson

Watershed name(s)

Post Oak Branch - Dry Creek

Tributary(ies) Dry Creek

HUC# 12100101,12100102 Stream miles (est.) TBD

Drainage area: square miles, est 4.06 or acreage, est. 2,601

Social vulnerability index 0.51
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other Watershed Study



Flood Risk Description

The area has multiple local drainage problems and portions of the region are at risk of flooding. The area has experienced excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion. The existing flood risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

RFPG recommend Yes No

Population at risk 2,700

Structures at risk 900

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

34.60

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

Cost \$250,000

Potential funding source(s) TBD

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Title Wastewater Treatment Plant Floodproofing ID# 101000189

Sponsor (name of entity) Edna (Municipality) Commitment X Yes No

Technical committee recommend Yes No RFPG recommend Yes No



Study Type

Emergency preparedness

Floodplain modeling, mapping and risk assessment

Feasibility study

X Preliminary project engineering

Other

Problem Area

City Edna County Jackson

Watershed name(s)

Till the (in) 2 and 2 decay and

Tributary(ies) Post Oak Branch

HUC# 12100101

Stream miles (est.) TBD

Drainage area: square miles, est 0.05

or acreage, est. 31

.05

0 /

Social vulnerability index 0.51

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other Watershed Study



Flood Risk Description

The plant is located within, and may be impacted by, the 100-year floodplain of Post Oak Branch. The area has existing local drainage problems and has experienced excessive flow depth and velocity. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk 3

Structures at risk 1

Critical facilities at risk 1

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

0.16

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

Cost \$250,000

Potential funding source(s) TBD

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Title Devers Creek Regional Detention and Channel Improvements ID# 101000190

Sponsor (name of entity) Ganado (Municipality) Commitment X Yes No.

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Floodplain modeling, mapping and risk assessment

Feasibility study

Preliminary project engineering

Other

Problem Area

City Ganado County Jackson

Watershed Devers Creek-Mustang Creek

Technical committee recommend Yes

name(s)

Tributary(ies) Devers Creek

HUC# 12100102

Stream miles (est.) TBD

Drainage area: square miles, est 1.23

or acreage, est. 790

Social vulnerability index 0.51

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other Regional Detention



Flood Risk Description

The area of concern along Devers Creek has insufficient channel capacity and undersized bridge/culvert crossings. The area has experienced excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion. The existing flood risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

RFPG recommend Yes No

Population at risk 600

Structures at risk 200

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

15.30

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

Cost \$250,000

Potential funding source(s) TBD

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Title City-wide Drainage Master Plan ID# 101000192

Sponsor (name of entity) Ganado (Municipality) Commitment X Yes No

Technical committee recommend Yes No RFPG recommend Yes No



Study Type

Emergency preparedness

Floodplain modeling, mapping and risk assessment

X Feasibility study

Preliminary project engineering

Other

Problem Area

City Ganado

County Jackson

Watershed name(s)

Devers Creek-Mustang Creek

Tributary(ies) Devers Creek

HUC# 12100102 Stream miles (est.) TBD

Drainage area: square miles, est 1.12 or acreage, est. 717

Social vulnerability index 0.51

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other Watershed Study



Flood Risk Description

The area has multiple local drainage problems and portions of the region are at risk of flooding. The area has experienced excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion. The existing flood risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk 600

Structures at risk 200

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

15.30

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

Cost \$250,000

Potential funding source(s) TBD

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Title City-wide Drainage Master Plan ID# 101000193

Sponsor (name of entity) La Ward (Municipality) Commitment X Yes No

Technical committee recommend Yes No RFPG recommend Yes No



Study Type

Emergency preparedness

Floodplain modeling, mapping and risk assessment

X Feasibility study

Preliminary project engineering

Other

Problem Area

City La Ward

County Jackson

Watershed name(s)

Multiple Watersheds

Tributary(ies) Unnamed Tributary

HUC# 12100401 Stream miles (est.) TBD

Drainage area: square miles, est 0.85 or acreage, est. 547

Social vulnerability index 0.51

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)



Flood Risk Description

Other Watershed Study

The area has multiple local drainage problems and portions of the region are at risk of flooding. The area has experienced excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion. The existing flood risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk 90

Structures at risk 30

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

Cost \$250,000

Potential funding source(s) TBD

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Flood Management Strategy (FMS)

Lower Colorado-Lavaca
REGIONAL FLOOD
PLANNING GROUP

REGION 10

Title ID#

Sponsor (name of entity) Commitment Yes No

RFPG recommend

Yes

No

Strategy Type

Technical committee recommend

Problem Area

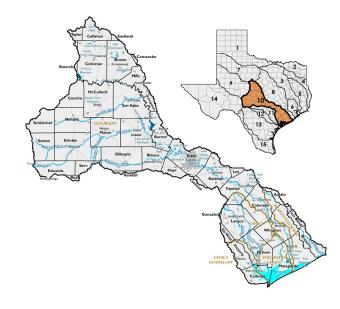
Regional

Sub-regional

Counties

City

Need for Strategy



Description of Strategy



Related Goals

Estimated Strategy Cost

Cost Potential funding source(s)

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Flood Mitigation Project (FMP)

Title ID#

Sponsor (note if City or County)

Commitment Yes No

Technical committee recommend Yes No RFPG recommend Yes No

Status

Lower Colorado-Lavaca
REGIONAL FLOOD
PLANNING GROUP

REGION 10

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

Proposed level-of-service

Atlas 14 rainfall used

Project Description

Related Goal(s)

Estimated Project Cost

Capital cost Ongoing O&M costs Cost/benefit analysis

Potential funding source(s)

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