

LOWER RIO GRANDE REGIONAL FLOOD PLANNING GROUP MEETING

*Agenda Item 9 – Technical Consultant Discussion
and Update*

May 19, 2023



AGENDA

Discussion and Update on:

- Approval of the new FMX's
- Approval of additional FME's to study further
- Proposed Amendments to Chapter 1, 2A, 2B, 4A, 4B, 5, 6A, 6B, 7, 9 and 10
- Approval of submission of request to TWDB to use funds for Task 13 for amendment of the Regional Flood Plan

TASK 13/5 – AMENDED REGIONAL FLOOD PLAN / RECOMMENDATION OF FME, FMS & ASSOCIATED FMP





TASK 13 – AMENDED REGIONAL FLOOD PLAN

New FMXs approved in April

FMEs – 123 new FMEs added

- Cameron County Drainage District. 3 – 7 new FMEs
- Cameron County Drainage District. 5 – 4 new FMEs
- City of Del Rio – 2 new FMEs
- City of Edinburg – 12 new FMEs
- City of Mission - 57 new FMEs
- City of Harlingen – 30 new FMEs
- Webb County Drainage District - 10 new FMEs
- Starr County Drainage District – 1 new FME



TASK 13 – AMENDED REGIONAL FLOOD PLAN

New FMXs approved in April

FMPs – 10 new FMPs added

- City of Eagle Pass – 3 new FMPs
- City of Weslaco – 2 new FMEs
- Hidalgo County Precinct 4 – 5 new FMEs



TASK 13 – AMENDED REGIONAL FLOOD PLAN

New FMPs for approval

FMP ID Number	FMP Title	BCA	County	Sponsor
151000160	Alternative 5 - Drain C Right Culvert	0.5	Cameron	CCDD3
151000161	Alternative 6 - Drain D Channel	0.8	Cameron	CCDD3
151000162	Alternative 7 - Drain F-23 Culvert	8.3	Cameron	CCDD3
153000006	Alton MDP - West Mile 5 and South Glasscock Road Alternative 3	1.0	Hidalgo	City of Alton
153000019	Weslaco Stormwater Improvement Plan - West Weslaco	0.4	Hidalgo	City of Weslaco
153000007	Weslaco Stormwater Improvement Plan - South Texas Boulevard and East 18th Street	2.4	Hidalgo	City of Weslaco



TASK 13 – AMENDED REGIONAL FLOOD PLAN

New FMPs for approval

FMP ID Number	FMP Title	BCA	County	Sponsor
151000134	Drainage Ditch NM-102 Improvements	1.6	Hidalgo	City of Edinburg
151000135	Drainage Ditch NM-103 Improvements	6.6	Hidalgo	City of Edinburg
151000136	Drainage Ditch NM-105 Improvements	4.7	Hidalgo	City of Edinburg
151000137	Drainage Ditch NM-106 Improvements	0.4	Hidalgo	City of Edinburg
151000138	Drainage Ditch NM-108 Improvements	0.1	Hidalgo	City of Edinburg
151000139	Drainage Ditch NM-109 Improvements	0.02	Hidalgo	City of Edinburg
151000141	Drainage Ditch NM-110 Improvements	9.6	Hidalgo	City of Edinburg
151000144	Drainage Ditch NM-113 Improvements	0.7	Hidalgo	City of Edinburg
151000145	Drainage Ditch NM-115 Improvements	0.9	Hidalgo	City of Edinburg
151000146	Drainage Ditch NM-116 Improvements	0.3	Hidalgo	City of Edinburg





TASK 13 – AMENDED REGIONAL FLOOD PLAN

New FMEs to remain as FMEs

FME ID Number	FME Title	Entity	County	Cost	
151000142	Drainage Ditch NM-111 Improvements	City of Edinburg	Hidalgo	\$ 150,000	Updates to Atlas 14 show original design is insufficient. Detention may be required.
151000147	Drainage Ditch ES-100 Improvements	City of Edinburg	Hidalgo	\$ 150,000	Negative Impacts confirmed, required mitigation
151000157	Drain A – Downstream Improvements	CCDD3	Cameron	\$ 150,000	Negative Impacts confirmed, required mitigation
151000158	Drain A Detention	CCDD3	Cameron	\$ 200,000	Original study contained 100-year event. Updates to Alta's 14 show original design is insufficient. A 2-D study should be used in this area.
151000159	Drain A Diversion	CCDD3	Cameron	\$ 200,000	Study required for determining impacts to Rio Grande River



TASK 12
PERFORM IDENTIFIED
FMES, IDENTIFY,
EVALUATE, AND
RECOMMEND
ADDITIONAL FMPS



TASK 12 – ASKING TO STUDY FMES FOR FMPS *Revisit FME/Potential FMPS with $BCA < 1$ and $< 1\%$ Storm*

Previously we took a hard line on projects not mitigating the 1% storm event and BCAs less than 1.0

- Review projects submitted with a model
- Consider critical facilities and roadways within floodplain more heavily
- Evaluate no negative impacts for the 1% storm event

Study FME/potential FMPS according to criteria above

- All projects with models
 - new models from
 - Cameron County Drainage District No. 6
 - City of McAllen
 - City of Brownsville
 - City of Del Rio
 - Hidalgo County Drainage District No. 1



TASK 13 – AMENDED REGIONAL FLOOD PLAN



TASK 13 – AMEND THE REGIONAL FLOOD PLAN

Most Chapters

New information received from the following entities:

- Cameron County Drainage District 3
- Cameron County Drainage District 5
- Cameron County Drainage District 6
- City of Alton
- City of Brownsville
- City of Del Rio
- City of Edinburg
- City of Escobares
- City of Lyford
- City of McAllen
- City of Mission
- City of Rio Grande City
- City of Roma
- Hidalgo County Drainage District No. 1
- Webb County
- Starr County
- Webb Count Drainage District #1



TASK 13 – AMEND THE REGIONAL FLOOD PLAN

Chapter 1

Update the following:

- New ongoing projects
- New entity with flood control authority

- Table 1 & 2
- Maps 1 & 2
- Geodatabase
- Chapter



TASK 13 – AMEND THE REGIONAL FLOOD PLAN

Chapter 2A

Update the following:

- New ongoing projects
- New entity with flood control authority

- Table 3
- Maps 5, 6A-C, & 7.
- Geodatabase
- Chapter



TASK 13 – AMEND THE REGIONAL FLOOD PLAN

Chapter 2B

Update the following:

- New ongoing projects
- New entity with flood control authority

- Table 5
- Maps 8 – 12.
- Geodatabase
- Chapter



TASK 13 – AMEND THE REGIONAL FLOOD PLAN

Chapter 3

Update the following:

- New entity with flood control authority
- Table 6
- Geodatabase
- Chapter



TASK 13 – AMEND THE REGIONAL FLOOD PLAN

Chapter 4A

Update the following:

- New ongoing projects
- New entity with flood control authority

- Table 12 - 14
- Maps 14 & 15
- Geodatabase
- Chapter



TASK 13 – AMEND THE REGIONAL FLOOD PLAN

Chapter 4B

Update the following:

- New ongoing projects
- New entity with flood control authority

- Table 12 – 14
- Maps 16 – 18, & 22
- Geodatabase
- Chapter



TASK 13 – AMEND THE REGIONAL FLOOD PLAN

Chapter 5

Update the following:

- New ongoing projects
- New entity with flood control authority

- Table 15 - 20
- Maps 19 - 21
- Geodatabase
- Chapter
- Fact Sheets



TASK 13 – AMEND THE REGIONAL FLOOD PLAN

Chapter 6A

Update the following:

- New ongoing projects
- New entity with flood control authority

- Chapter



TASK 13 – AMEND THE REGIONAL FLOOD PLAN

Chapter 6B

Update the following:

- New ongoing projects
- New entity with flood control authority

- Chapter



TASK 13 – AMEND THE REGIONAL FLOOD PLAN

Chapter 7

Update the following:

- New ongoing projects
- New entity with flood control authority

- Chapter



TASK 13 – AMEND THE REGIONAL FLOOD PLAN

Chapter 9

Update the following:

- New ongoing projects
- New entity with flood control authority

- Table 22
- Chapter



TASK 13 – AMEND THE REGIONAL FLOOD PLAN

Chapter 10

Update the following:

- New ongoing projects
- New entity with flood control authority

- Chapter
- Appendix F



NEXT MEETING?



GOALS FOR UPCOMING MEETINGS

Amended Regional Flood Plan Due July 14, 2023

May

- Meeting to Approve FMXs
- Review of Additions to Amended Plan

June

- Meeting to Approve FMXs
- Post Amended RFP to accept comments on the Draft
- Review Comments at a June RFP meeting
- Make changes to Amended RFP

July

- Submit Amended Final RFP

**Regional Flood Plan Amendment
due July 14, 2023**



**WRITTEN
COMMENTS
WELCOMED.**