# LOWER RIO GRANDE REGIONAL FLOOD PLANNING GROUP MEETING

Agenda Item 9 – Technical Consultant Discussion and Update

May 19, 2023

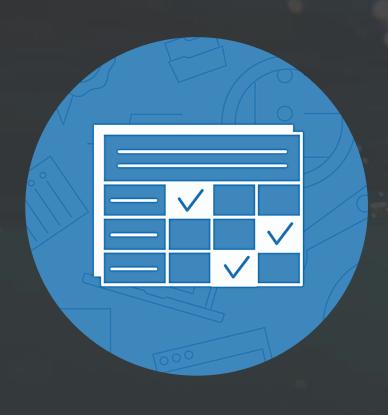




### AGENDA

### **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





### 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





### New FMPs for approval

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





### New FMPs for approval

FMP ID Number	FMP Title	ВСА	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





#### 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

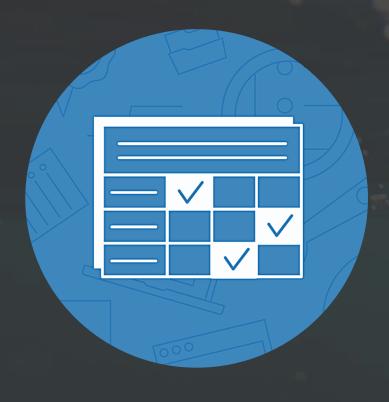
Previously we took a hard line on projects not mitigating the 1% storm event and BCAs less than 1.0

- ☐ 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









### **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



- New ongoing projects
- New entity with flood control authority
- Table 1 & 2
- ☐ Maps 1 & 2
- Geodatabase
- Chapter



- New ongoing projects
- New entity with flood control authority
- ☐ Table 3
- ☐ Maps 5, 6A-C, & 7.
- Geodatabase
- Chapter



- New ongoing projects
- New entity with flood control authority
- ☐ Table 5
- $\square$  Maps 8 12.
- Geodatabase
- Chapter



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



- New ongoing projects
- New entity with flood control authority
- ☐ Table 12 14
- ☐ Maps 14 & 15
- Geodatabase
- □ Chapter



- New ongoing projects
- New entity with flood control authority
- ☐ Table 12 14
- ☐ Maps 16 18, & 22
- Geodatabase
- Chapter



- New ongoing projects
- New entity with flood control authority
- ☐ Table 15 20
- ☐ Maps 19 21
- Geodatabase
- Chapter
- □ Fact Sheets



- New ongoing projects
- New entity with flood control authority
- □ Chapter



- New ongoing projects
- New entity with flood control authority
- Chapter



- New ongoing projects
- New entity with flood control authority
- Chapter



- New ongoing projects
- New entity with flood control authority
- ☐ Table 22
- Chapter



- New ongoing projects
- New entity with flood control authority
- Chapter
- Appendix F





### NEXT METING?





### GOALS FOR UPCOMING MEETINGS

### Amended Regional Flood Plan Due July 14, 2023

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

- ☐ July
  - Submit Amended Final RFP

#### ■ 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

Regional Flood Plan Amendment due July 14, 2023





## WRITTEN COMMENTS WELCOMED.

