

# LOWER RIO GRANDE REGIONAL FLOOD PLANNING GROUP MEETING

*Agenda Item 10 – Technical Consultant Discussion and Update*

October 31, 2023

# **AGENDA**

**Discussion and Update on:**

- ☐ **Approval of the final FME, FMS, and FMPs**
- ☐ **Review of Amended Plan**



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



# TASK 13 – AMENDED REGIONAL FLOOD PLAN

## *New FMPs for approval:*

FMP ID Number	FMP Name	Project Type	Sponsor	Project Cost
153000110	McAllen MDP – Study 4 Bentsen	Infrastructure	City of McAllen	\$ 2,896,781.34
153000111	Drain J01	Infrastructure	Hidalgo County Drainage District #1	\$ 603,663.00
153000112	2023 Bond Project 24 - F-13 F02	Infrastructure	Hidalgo County Drainage District #1	\$ 1,460,000.00
153000113	2018 Bond Project 34 South Lateral	Infrastructure	Hidalgo County Drainage District #1	\$ 4,538,852.00
153000114	Downtown Pharr Alternative	Infrastructure	City of Pharr	\$ 22,210,000.00
153000115	Floodway Pump Stations (Main)	Infrastructure	Cameron County Drainage District No. 6	\$ 2,360,700.00
153000116	Floodway Pump Stations (Parker)	Infrastructure	Cameron County Drainage District No. 6	\$ 2,360,700.00
153000117	Floodway Pump Stations (Thompson)	Infrastructure	Cameron County Drainage District No. 6	\$ 2,360,700.00



# TASK 13 – AMENDED REGIONAL FLOOD PLAN

*New FMPs for approval:*

FMP ID Number	FMP Name	Project Type	Sponsor	Project Cost
153000118	Floodway Pump Stations (Adams Gardens)	Infrastructure	Cameron County Drainage District No. 6	\$ 2,360,700.00
153000011	North Pharr Mitigation Project	Infrastructure	City of Pharr	\$ 8,195,000.00
153000012	Southwest Pharr Drainage Mitigation Project	Infrastructure	City of Pharr	\$ 5,587,280.00
153000014	Weslaco Stormwater Improvement Plan - Pleasantview Drive and 11th Street	Infrastructure	City of Weslaco	\$ 8,338,572.00
153000025	Precinct 4 MDP - Risk Area E at Hwy 107 & Val Verde Rd.	Infrastructure	Hidalgo County Precinct 4	\$ 4,983,000.00
153000030	Risk Area 11 Rancho Escondido	Infrastructure	City of Eagle Pass	\$ 911,900.00
153000032	Risk Area 13 Celle De Los Santos neighborhood. Additional culvert under irrigation canal.	Infrastructure	City of Eagle Pass	\$ 181,500.00



# TASK 13 – AMENDED REGIONAL FLOOD PLAN

## *New FMPs for approval:*

FMP ID Number	FMP Name	Project Type	Sponsor	Project Cost
153000035	Risk Area 3 Arrow Point Boulevard	Infrastructure	City of Eagle Pass	\$ 52,800.00
153000036	Risk Area 4 Bibb & Misty Willow storm drain	Infrastructure	City of Eagle Pass	\$ 316,800.00
153000037	Risk Area 5 Debona Drive	Infrastructure	City of Eagle Pass	\$ 359,700.00
153000038	Risk Area 6 Trib 2 bypass & detention at Eagle Pass High School fields	Infrastructure	City of Eagle Pass	\$ 957,000.00
153000050	Raymondville Drain BP 2	Infrastructure	Hidalgo County Drainage District #1	\$ 15,000,000
153000064	Parker Regional Detention Facility	Infrastructure	Cameron County Drainage District No. 6	\$ 4,355,820.00
153000085	Port Isabel to Brownsville FIF - Project 1A North Main Drain and Impala Ditch	Infrastructure	City of Brownsville	\$ 46,976,000.00



# TASK 13 – AMENDED REGIONAL FLOOD PLAN

## *New FMEs for approval:*

FMP ID Number	FMP Name	Project Type	Sponsor	Project Cost
151000441	City of La Feria - Holistic HUC Flood Protection Study	Watershed Planning	City of La Feria	\$ 1,500,000.00
151000442	City of Elsa - Holistic HUC Flood Protection Study	Watershed Planning	City of Elsa	\$ 1,500,000.00
151000443	City of Donna - Holistic HUC Flood Protection Study	Watershed Planning	City of Donna	\$ 1,500,000.00
151000444	City of Combes - Holistic HUC Flood Protection Study	Watershed Planning	City of Combes	\$ 1,500,000.00
151000445	City of Edinburg - Holistic HUC Flood Protection Study	Watershed Planning	City of Edinburg	\$ 1,500,000.00
151000446	City of Alton - Holistic HUC Flood Protection Study	Watershed Planning	City of Alton	\$ 1,500,000.00
151000447	Cameron County - Holistic HUC Flood Protection Study	Watershed Planning	Cameron County	\$ 1,500,000.00
151000448	City of Weslaco - Holistic HUC Flood Protection Study	Watershed Planning	City of Weslaco	\$ 1,500,000.00
151000449	City of San Benito - Holistic HUC Flood Protection Study	Watershed Planning	City of San Benito	\$ 1,500,000.00



# TASK 13 – AMENDED REGIONAL FLOOD PLAN

## *New FMEs for approval:*

FMP ID Number	FMP Name	Project Type	Sponsor	Project Cost
151000450	City of Mission - Holistic HUC Flood Protection Study	Watershed Planning	City of Mission	\$ 1,500,000.00
151000451	City of Palmhurst - Holistic HUC Flood Protection Study	Watershed Planning	City of Palmhurst	\$ 1,500,000.00
151000452	City of Palmview - Holistic HUC Flood Protection Study	Watershed Planning	City of Palmview	\$ 1,500,000.00
151000453	City of Primera - Holistic HUC Flood Protection Study	Watershed Planning	City of Primera	\$ 1,500,000.00
151000454	City of Mercedes - Holistic HUC Flood Protection Study	Watershed Planning	City of Mercedes	\$ 1,500,000.00
151000455	City of Los Fresnos - Holistic HUC Flood Protection Study	Watershed Planning	City of Los Fresnos	\$ 1,500,000.00
151000456	City of La Villa - Holistic HUC Flood Protection Study	Watershed Planning	City of La Villa	\$ 1,500,000.00
151000457	City of La Joya - Holistic HUC Flood Protection Study	Watershed Planning	City of La Joya	\$ 1,500,000.00
151000329	City of Mission – Flood Monitoring	Project Planning	City of Mission	\$ 600,000.00
151000400	City of Mission – Rural Alternative	Project Planning	City of Mission	\$ 950,000.00





# TASK 13 – AMENDED REGIONAL FLOOD PLAN

## *New FMSs for approval:*

FMP ID Number	FMP Name	Project Type	Sponsor	Project Cost
152000066	City of Harlingen - Flood Warning System, planning, operation & maintenance	Flood Measurement and Warning	City of Harlingen	\$ 5,000,000.00
152000067	City of Edinburg - Flood Warning System, planning, operation & maintenance	Flood Measurement and Warning	City of Edinburg	\$ 5,000,000.00
152000068	City of La Villa - planning, operation & maintenance	Flood Measurement and Warning	City of La Villa	\$ 5,000,000.00
152000069	City of Mission - planning, operation & maintenance	Flood Measurement and Warning	City of Mission	\$ 5,000,000.00
152000070	City of Primera - planning, operation & maintenance	Flood Measurement and Warning	City of Primera	\$ 5,000,000.00
152000071	City of La Feria - Flood Warning System, planning, operation & maintenance	Flood Measurement and Warning	City of La Feria	\$ 5,000,000.00
152000072	City of La Joya - Flood Warning System, planning, operation & maintenance	Flood Measurement and Warning	City of La Joya	\$ 5,000,000.00
152000073	City of Los Fresnos - Flood Warning System, planning, operation & maintenance	Flood Measurement and Warning	City of Los Fresnos	\$ 5,000,000.00
152000074	City of Mercedes - Planning, operation & maintenance	Flood Measurement and Warning	City of Mercedes	\$ 5,000,000.00



# TASK 13 – AMENDED REGIONAL FLOOD PLAN

## *FMSs recommended for approval :*

FMP ID Number	FMP Name	Project Type	Sponsor	Project Cost
152000075	City of Palmhurst - Flood Warning System, planning, operation & maintenance	Flood Measurement and Warning	City of Palmhurst	\$ 5,000,000.00
152000076	City of Palmview - Planning, operation & maintenance	Flood Measurement and Warning	City of Palmview	\$ 5,000,000.00
152000077	City of San Benito - Flood Warning System, planning, operation & maintenance	Flood Measurement and Warning	City of San Benito	\$ 5,000,000.00
152000078	City of San Juan - Flood Warning System, planning, operation & maintenance	Flood Measurement and Warning	City of San Juan	\$ 5,000,000.00
152000079	City of Weslaco - Flood Warning System, planning, operation & maintenance	Flood Measurement and Warning	City of Weslaco	\$ 5,000,000.00
152000080	City of Alamo - Planning, operation & maintenance	Flood Measurement and Warning	City of Alamo	\$ 5,000,000.00
152000081	City of Alton - Flood Warning System, planning, operation & maintenance	Flood Measurement and Warning	City of Alton	\$ 5,000,000.00
152000082	City of Brownsville - Flood Warning System, planning, operation & maintenance	Flood Measurement and Warning	City of Brownsville	\$ 5,000,000.00
152000083	Cameron County - Flood Warning System, planning, operation & maintenance	Flood Measurement and Warning	Cameron County	\$ 5,000,000.00



## TASK 13 – AMENDED REGIONAL FLOOD PLAN

*New FMSs for approval:*

FMP ID Number	FMP Name	Project Type	Sponsor	Project Cost
152000084	City of Combes - Flood Warning System, planning, operation & maintenance	Flood Measurement and Warning	City of Combes	\$ 5,000,000.00
152000085	City of Donna - Flood Warning System, planning, operation & maintenance	Flood Measurement and Warning	City of Donna	\$ 5,000,000.00
152000086	City of Elsa - Flood Warning System, planning, operation & maintenance	Flood Measurement and Warning	City of Elsa	\$ 5,000,000.00



# **TASK 13 – AMENDED REGIONAL FLOOD PLAN**



# CH. 4 & 5

## *FMEs Identified and Recommended in Amended RFP*

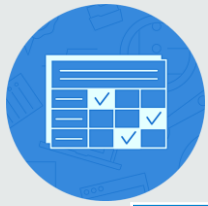
FME Type	# of Potential FMEs Identified	# of FMEs Recommended	Total Cost of Recommended FMEs
Watershed Planning	46	46	\$13,671,721
Engineering Project Planning	315	290	\$917,322,000.00
Preliminary Engineering	96	70	\$292,314,581.00
Total	457	406	\$1,223,308,302.00



## CH. 4 & 5

### *FMPs Identified and Recommended in Amended RFP*

FMP Type	# of Potential FMPs Identified	# of FMPs Recommended	Total Cost of Recommended FMPs
Flood Early Warning System	7	3	\$50,000,000
Flood Proofing	8	5	\$98,750,000
Infrastructure	92	78	\$508,591,852
Regional Detention	14	12	\$382,211,605
Total	121	98	\$1,039,553,460



# CH. 4 & 5

## *FMSs Identified and Recommended in Amended RFP*

FMS Type	FMS Description	# of Potential FMSs Identified	# of FMSs Recommended	Total Cost of Recommended FMSs
Education and Outreach	NFIP Education; Flood Education; Floodplain Regulatory Awareness; Emergency Contact Awareness	7	7	\$875,000
Flood Measurement and Warning	Flood Warning Systems; Mass Notifications during Natural Hazard Incidents; Dam Inundation Studies	47	47	\$110,400,000
Infrastructure Projects	Assessments for flood proofing, building a shelter; funding plan for dredging plan	8	8	\$36,720,000
Regulatory and Guidance	City Floodplain Ordinance Creation/Updates; Zoning Regulations; Land Use Programs	19	19	\$2,170,000
Other	Funding Plans; Formation or union with Drainage District; Renegotiation of Agreements; Levee Recertification Alliances	5	5	\$1,150,000
Total		86	86	\$151,315,000





**Approval of submission of Amended Regional Flood Plan, subject to final comments and revisions.**





**WRITTEN  
COMMENTS  
WELCOMED.**