FLOOD MITIGATION PROJECTS (FMPs) FACT SHEETS

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Alton MDP - West Mile 5 Road and Louisiana Street Alternative 2

FMP ID: 153000001

FMP Description

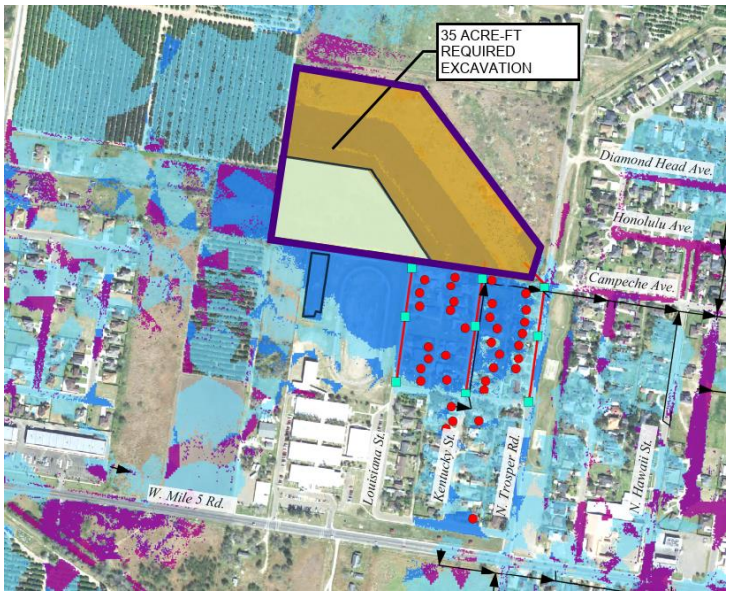
Alternative 2 is designed to remove structures from the 10-year floodplain. Approximately 35 acre-feet of volume is proposed to be excavated. construction consists of 1,940 LF of 36-inch diameter pipe sloped at 0.2% along Louisiana, Kentucky, and Trosper Road out falling directly into the retention pond, 3 headwalls and approximately 9 inlets. Additional inlets and smaller pipe may be needed to catch low lying areas that pond between the houses or regrading with swales to take runoff to the street.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110208
HUC 12	121102080200, 121102080300
Study Area (sq. mi.)	N/A



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐

Notes:

Project Costs

Total Cost:	$2,152,656	Study Sponsor:	City of Alton
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	City of Alton
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes ✓ No ☐
Funding Dedicated?	Yes ☐ No ✓	(Potential) Source of Funding	FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ✓ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Alton MDP - FM 676 South Glasscock Road Alternative 3

FMP ID: 153000002

FMP Description

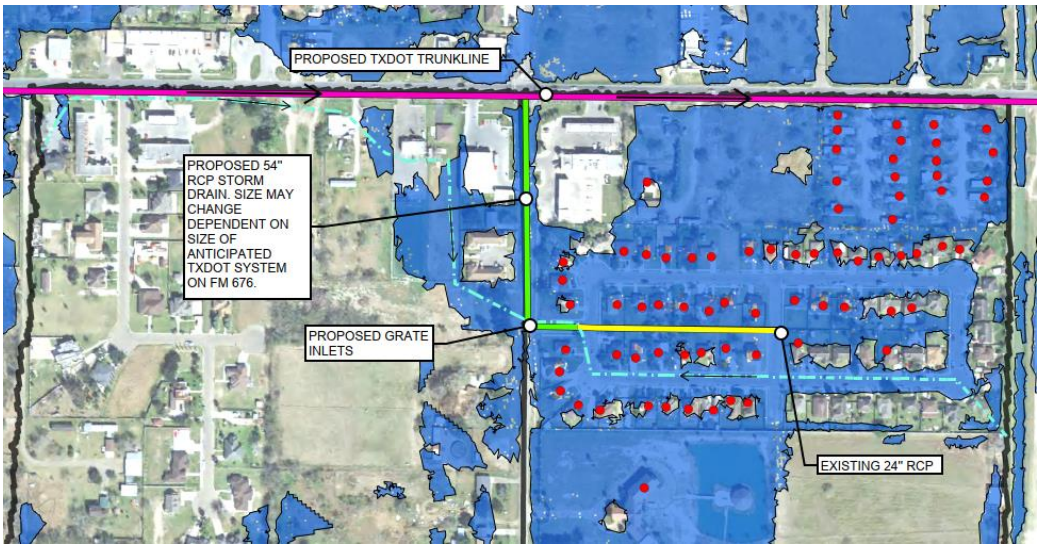
Widening of FM 676 with a proposed storm drain system containing 54" reinforced concrete pipe.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110209
HUC 12	121102080200, 121102080300
Study Area (sq. mi.)	N/A



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐
Notes:			

Project Costs

Total Cost:	$387,288	Study Sponsor:	City of Alton
Non-reoccurring Non-capital Cost (include in Total above):	*These are one-time costs for program development, education campaign, and non-engineering study costs.*		
Estimated year to start:		Entity with Oversight	City of Alton
Time to complete?		Included in a Hazard Mitigation	Yes ✓ No ☐

FMP

Flood Mitigation Project
Fact Sheet

Funding Dedicated?	Yes ☐ No ✓	Action Plan or other plan? (Potential) Source of Funding	FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ☐ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Alton MDP - North Inspiration Road and West St. Jude Avenue Alternative 2

FMP ID: 153000003

FMP Description

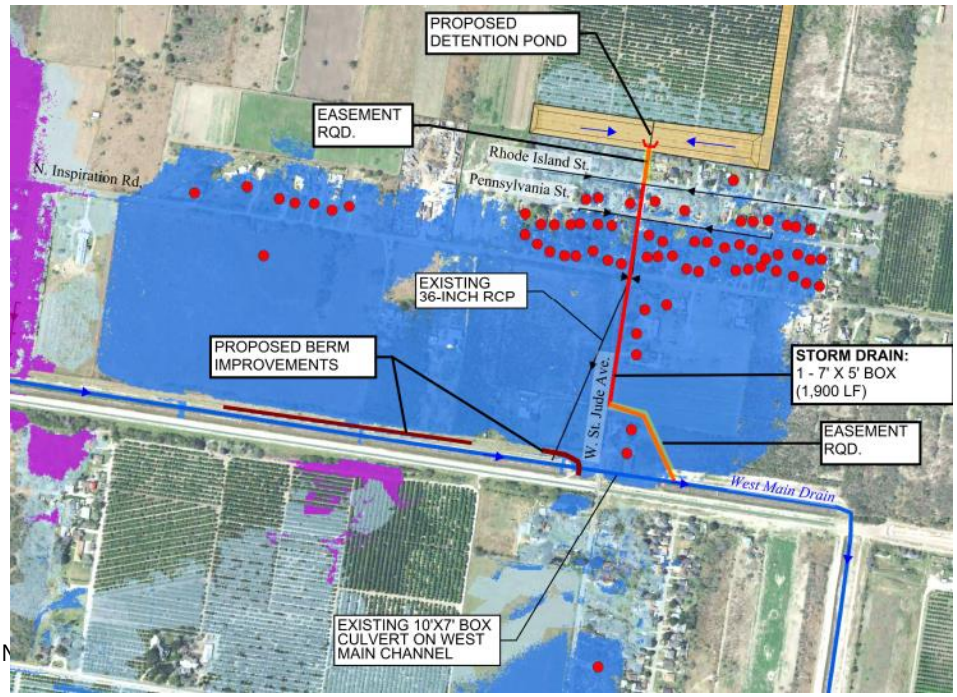
Alternative 2, is designed to remove structures from the 25-year floodplain and more frequent storms. This alternative consists of upsizing the storm drain under West St Jude Avenue. The trunk line will consist of 1,900 LF of a single 7' X 5' reinforced concrete box sloped at 0.5% from the area just west of the neighborhood on W. St. Jude Avenue to the West Main Drain Channel, downstream (north) of the existing 10' X 7' box culvert.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110210
HUC 12	121102080200, 121102080300
Study Area (sq. mi.)	N/A



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ N		
Population at Risk			
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐

Notes:

Project Costs

Total Cost:	$2,817,936	Study Sponsor:	City of Alton
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	City of Alton
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes ✓ No ☐
Funding Dedicated?	Yes ☐ No ✓	(Potential) Source of Funding	FIF, local

FMP

Flood Mitigation Project
Fact Sheet

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ☐ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Alton MDP - North Stewart Boulevard Alternative 2

FMP ID: 153000004

FMP Description

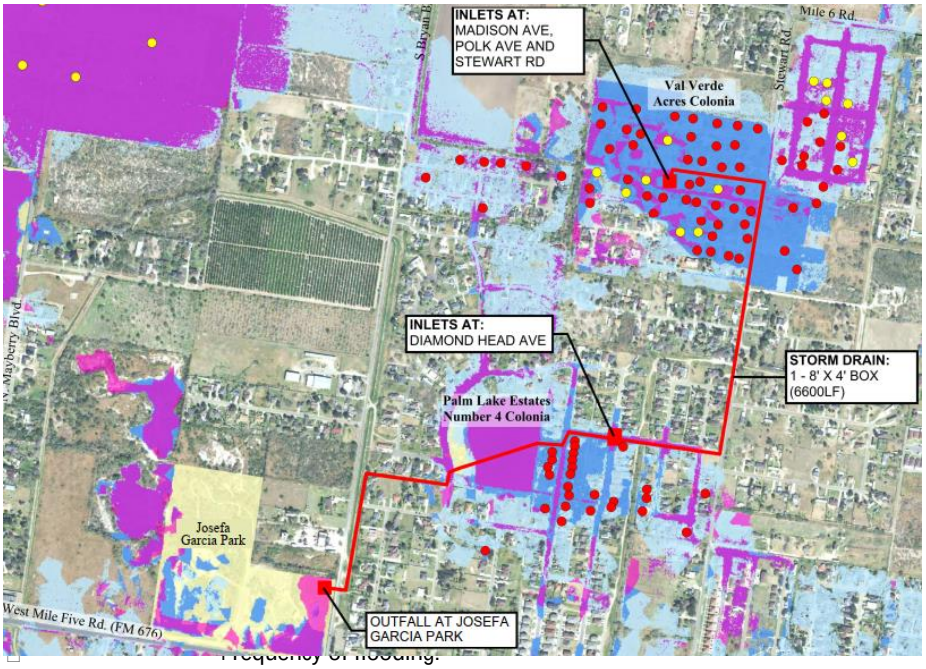
Alternative 2 is designed to remove structures from the 10-year floodplain and more frequent storms. This alternative consists of the construction of 6,600 LF of a single 8' X 4' reinforced concrete box sloped at 0.02% from the Val Verde Acres Subdivision to Josefa Garcia Park.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110211
HUC 12	121102080200, 121102080300
Study Area (sq. mi.)	0.38



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐

Notes:

Project Costs

Total Cost:	$8,338,572	Study Sponsor:	City of Alton
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:	2023	Entity with Oversight	City of Alton
Time to complete?	2025	Included in a Hazard Mitigation Action Plan or other plan?	Yes ✓ No ☐
Funding Dedicated?	Yes ☐ No ✓	(Potential) Source of Funding	FIF, local

FMP

Flood Mitigation Project
Fact Sheet

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ☐ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Alton MDP - South Stewart Boulevard Alternative 2A

FMP ID: 153000005

FMP Description

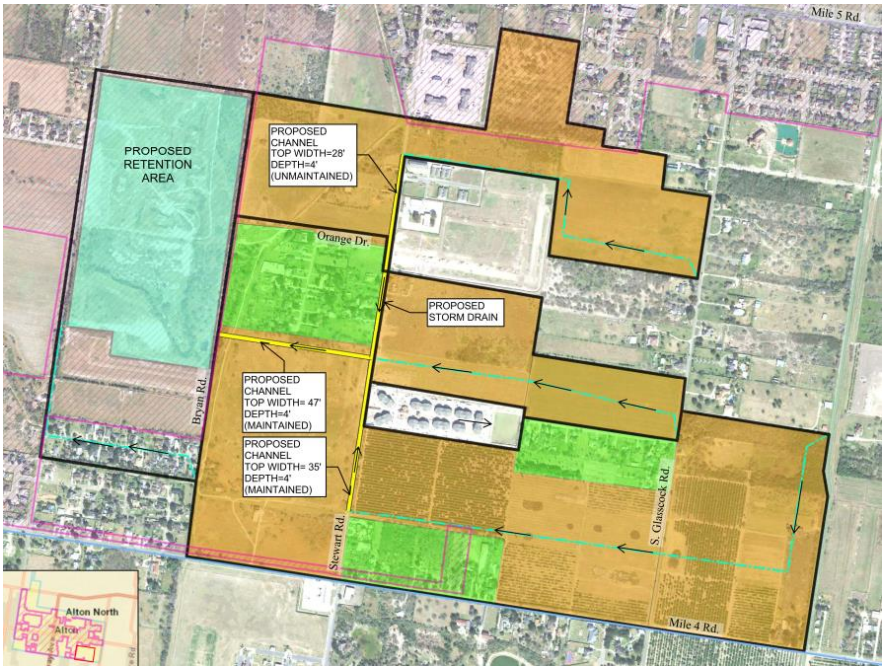
740 LF 6' X 4' Reinforced Concrete Box Culvert starting just south of Orange Dr. and Stewart Rd. 70 acres of land acquisition for regional retention. 3.1 Acres of land for channel conveyance.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110212
HUC 12	121102080200, 121102080300
Study Area (sq. mi.)	0.81



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐

Notes:

Project Costs

Total Cost:	$6,296,400	Study Sponsor:	City of Alton
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:	2023	Entity with Oversight	City of Alton
Time to complete?	2025	Included in a Hazard Mitigation	Yes ✓ No ☐

FMP

Flood Mitigation Project
Fact Sheet

Funding Dedicated?	Yes ☐ No ✓	Action Plan or other plan? (Potential) Source of Funding	FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐	No ✓	
Does the project have any negative effects, per TWDB guidelines?	Yes ☐	No ☐	Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐	No ☐	Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐	No ☐	Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐	No ✓	
Has all the ROW been acquired?	Yes ☐	No ☐	
Will permits or interlocal agreements be needed for this project?	Yes ☐	No ☐	

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ☐ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Alton MDP - West Mile 5 and South Glasscock Road Alternative 3

FMP ID: 15300006

FMP Description

Alternative 3 is simply the buyout and removal of 23 properties on the north side of Buchanan from the 10-year floodplain. Once structures are removed, the vacant land can be excavated and used as a park/regional retention pond.

Project Type

- ☐ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110213
HUC 12	121102080200, 121102080300
Study Area (sq. mi.)	N/A

Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐
Notes:			

Project Costs

Total Cost:	$1,663,200	Study Sponsor:	City of Alton
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	City of Alton
Time to complete?		Included in a Hazard Mitigation	Yes ✓ No ☐

FMP

Flood Mitigation Project
Fact Sheet

Funding Dedicated?	Yes ☐ No ✓	Action Plan or other plan? (Potential) Source of Funding	FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐	No ✓	
Does the project have any negative effects, per TWDB guidelines?	Yes ☐	No ☐	Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐	No ☐	Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐	No ☐	Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐	No ✓	
Has all the ROW been acquired?	Yes ☐	No ☐	
Will permits or interlocal agreements be needed for this project?	Yes ☐	No ☐	

Related Goals

- ☐ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ☐ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ✓ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Weslaco Stormwater Improvement Plan -South Texas Boulevard and East 18th Street

FMP ID: 153000007

FMP Description

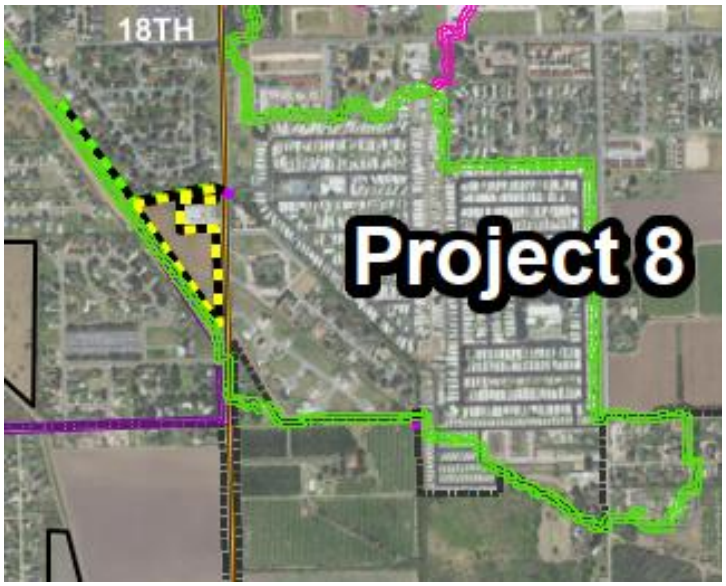
Construction of a 5 acre detention pond along Texas Boulevard, with approximately 1,400 LF of channel widening along the back of the neighborhood, the replacement of a 30 – inch culvert crossing the irrigation canal with an 8' x 4' RCB, and replacement of a 24 – inch culvert crossing FM 88 with an 8' x 4' RCB.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110214
HUC 12	130800020703, 130800020702
Study Area (sq. mi.)	N/A



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐

Notes:

Project Costs

Total Cost:	$1,585,584	Study Sponsor:	Weslaco
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	Weslaco
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes ✓ No ☐
Funding Dedicated?	Yes ☐ No ✓	(Potential) Source of Funding	FIF, local

FMP

Flood Mitigation Project
Fact Sheet

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ☐ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ✓ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Downtown Pharr Mitigation Project

FMP ID: 153000008

FMP Description

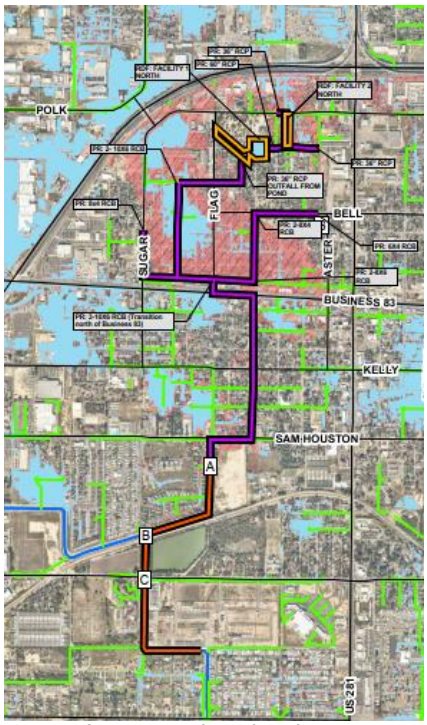
Construct 5500-linear feet of channel improvements on the Pharr South Drain downstream of Sam Houston Street to just north of Inspiration Street. Install 7280-linear feet of reinforced concrete box culvert improvements toward the Pharr
South Drain from Egly and North Hibiscus Street. Install curb inlet capture systems approximately every 500-feet to capture local drainage across subdivisions and repave roadways. Construct two (2) Regional Detention Facilities. Facility 1 at North Camelia Street (Max Depth = 5.5-feet) will require 5.5 acre-feet of excavation and is owned by the City of Pharr. Facility 2 at Audrey Street (max Depth = 9.5-feet) will require 42 acre-feet of excavation and will require acquisition.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ✓ Infrastructure, Regional Detention

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110217
HUC 12	121102080100, 121102080300, 130900020311
Study Area (sq. mi.)	N/A



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓	No ☐		
Population at Risk			# of structures inundated	
Roadways flooded	Yes ✓	No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐	No ☐	Agricultural Land impacted	Yes ☐ No ☐

Notes:

Project Costs

Total Cost:	$45,241,092	Study Sponsor:	City of Pharr
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:	2022	Entity with Oversight	City of Pharr
Time to complete?	2024	Included in a Hazard Mitigation Action Plan or other plan?	Yes ✓ No ☐

Funding Dedicated? Yes ☐ No ✓ (Potential) Source of Funding FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ✓ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

North Pharr Backwater Relief Project

FMP ID: 153000009

FMP Description

Construct 3400-linear feet of channel improvements on the ditch running from south to north along North Fir Street and 2800-linear feet of channel improvements on the Pharr-McAllen Lateral Ditch up to North I road. Install culvert improvements, 2-8' X 4' RCB, alongside the ditch running parallel to Fir Street at crossings of W. Sioux Road and at connection to outfall of maintained ditch to the Pharr-McAllen Lateral System. Extend existing culverts at crossings. Repave W. Sioux Road.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110220
HUC 12	121102080100, 121102080300, 130900020311
Study Area (sq. mi.)	N/A

Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐		
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐

Notes:

Project Costs

Total Cost:	$1,628,000	Study Sponsor:	City of Pharr
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:	2022	Entity with Oversight	City of Pharr
Time to complete?	2024	Included in a Hazard Mitigation Action Plan or other plan?	Yes ✓ No ☐
Funding Dedicated?	Yes ☐ No ✓	(Potential) Source of Funding	FIF, local

FMP

Flood Mitigation Project
Fact Sheet

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ☐ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

North Pharr Culvert Improvements

FMP ID: 153000010

FMP Description

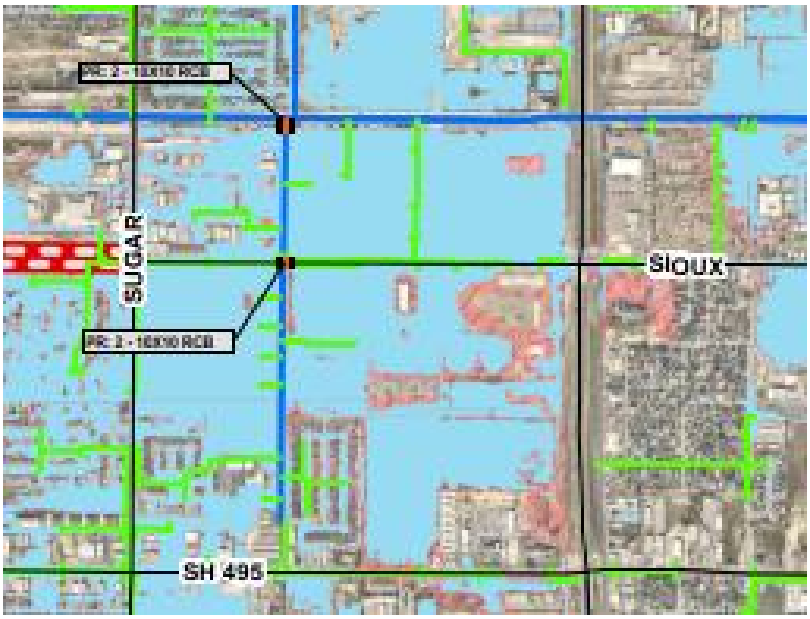
Install culvert improvements, 2-10X10 RCB, alongside the ditch running parallel to N. Erika Street at crossings of W. Sioux Road and at connection to outfall of maintained ditch to the Pharr-McAllen Lateral System. Repave W. Sioux Road.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110221
HUC 12	121102080100, 121102080300, 130900020311
Study Area (sq. mi.)	N/A



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐
Notes:			

Project Costs

Total Cost:	$869,000	Study Sponsor:	City of Pharr
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:	2022	Entity with Oversight	City of Pharr
Time to complete?	2024	Included in a Hazard Mitigation	Yes ✓ No ☐

FMP

Flood Mitigation Project
Fact Sheet

Funding Dedicated?	Yes ☐ No ✓	Action Plan or other plan? (Potential) Source of Funding	FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐	No ✓	
Does the project have any negative effects, per TWDB guidelines?	Yes ☐	No ☐	Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐	No ☐	Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐	No ☐	Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐	No ✓	
Has all the ROW been acquired?	Yes ☐	No ☐	
Will permits or interlocal agreements be needed for this project?	Yes ☐	No ☐	

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ☐ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

North Pharr Mitigation Project

FMP ID: 153000011

FMP Description

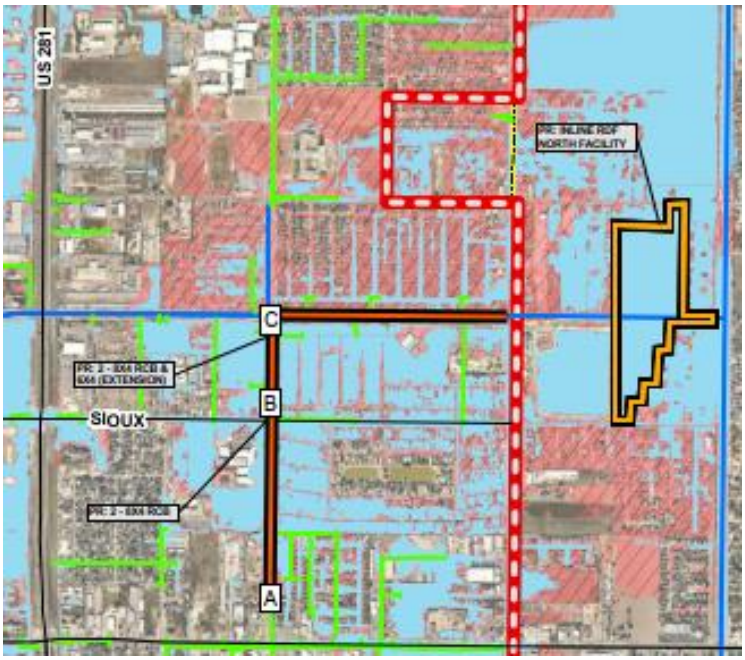
Construct 3400-linear feet of channel improvements on the ditch running from south to north along North Fir Street and 2800-linear feet of channel improvements on the Pharr-McAllen Lateral Ditch up to North I road. Install culvert improvements, 2 – 8' X 4' RCB, alongside the ditch running parallel to Fir Street at crossings of W. Sioux Road and at connection to outfall of maintained ditch to the Pharr-McAllen Lateral System. Construct an inline Regional Detention Facility (RDF) along the Pharr-McAllen drain within the City Limits of San Juan. The pond will require a footprint of 35-acres.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110222
HUC 12	121102080100, 121102080300, 130900020311
Study Area (sq. mi.)	N/A



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐

Notes:

Project Costs

Total Cost:	$8,195,000	Study Sponsor:	City of Pharr
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:	2022	Entity with Oversight	City of Pharr
Time to complete?	2024	Included in a Hazard Mitigation Action Plan or other plan?	Yes ✓ No ☐

Funding Dedicated? Yes ☐ No ✓ (Potential) Source of Funding FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ✓ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ✓ No ☐

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Southwest Pharr Drainage Mitigation Project

FMP ID: 153000012

FMP Description

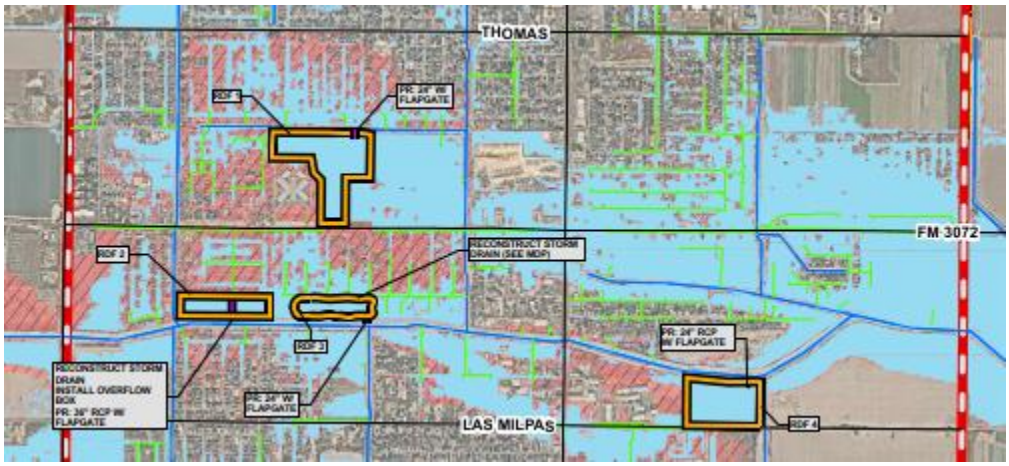
Construct four regional detention facilities (RDF). RDF 1 has a footprint of 19.75-acres and is a lateral detention facility located between Dicker and Thomas Road west of Highway 281 and near Carmen Anaya Elementary. RDF 2 has a footprint of 7.4-acres and located in the western section of Jones Box Park. RDF 3 has a footprint of 5.5-acres and located in the central section of Jones Box Park. Redirect flow from the Los Ranchitos Subdivisions via a reconfigured 36'' RCP into a pilot channel located in the deepest section of the pond. Install 36''RCP and flap gate at the outfall to prevent backflow from the South Floodwater Channel into the subdivisions north of Jones Box Park. RDF 4 is located between Dicker and Las Milpas Road east of Highway 281, south of the South Floodwater Channel, and will require a footprint of 13.8-acres.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure, Regional Detention

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110227
HUC 12	121102080100, 121102080300, 130900020311
Study Area (sq. mi.)	0.07



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐

Notes:

Project Costs

Total Cost:	$5,587,275	Study Sponsor:	City of Pharr
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:	2022	Entity with Oversight	City of Pharr
Time to complete?	2024	Included in a Hazard Mitigation Action Plan or other plan?	Yes ✓ No ☐

Funding Dedicated? Yes ☐ No ✓ (Potential) Source of Funding FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ✓ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ✓ No ☐

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Pharr - San Juan Regional Detention Facility

FMP ID: 153000013

FMP Description

Construct an inline Regional Detention Facility (RDF) along the Pharr-McAllen drain within the City Limits of San Juan. The pond will require a footprint of 35 acres, 300 acre-feet of storage volume, have a maximum depth of approximately of 14 feet, and require some property acquisition.

Project Type

- ☐ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Regional Detention

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110224
HUC 12	121102080100, 121102080300, 130900020311
Study Area (sq. mi.)	N/A

Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐

Notes:

Project Costs

Total Cost:	$5,148,000	Study Sponsor:	City of Pharr
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:	2022	Entity with Oversight	City of Pharr
Time to complete?	2024	Included in a Hazard Mitigation Action Plan or other plan?	Yes ✓ No ☐
Funding Dedicated?	Yes ☐ No ✓	(Potential) Source of Funding	FIF, local

FMP

Flood Mitigation Project
Fact Sheet

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ✓ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Weslaco Stormwater Improvement Plan - Pleasantview Drive and 11th Street

FMP ID: 153000014

FMP Description

Installation of 3,220 LF of new storm drain system consisting of two – 8' x 4' RCBs along Mile 3 ½.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure, Regional Detention

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110228
HUC 12	121102080100, 121102080300
Study Area (sq. mi.)	N/A

Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐
Notes:			

Project Costs

Total Cost:	$4,775,000	Study Sponsor:	City of Weslaco
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	City of Weslaco
Time to complete?		Included in a Hazard Mitigation	Yes ☐ No ☐

Funding Dedicated?	Yes ☐ No ☐	Action Plan or other plan? (Potential) Source of Funding	FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐	No ✓	
Does the project have any negative effects, per TWDB guidelines?	Yes ☐	No ☐	Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐	No ☐	Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐	No ☐	Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐	No ✓	
Has all the ROW been acquired?	Yes ☐	No ☐	
Will permits or interlocal agreements be needed for this project?	Yes ☐	No ☐	

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ☐ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Weslaco Stormwater Improvement Plan - Mile 10 N and Mile 5 ½ W

FMP ID: 153000015

FMP Description

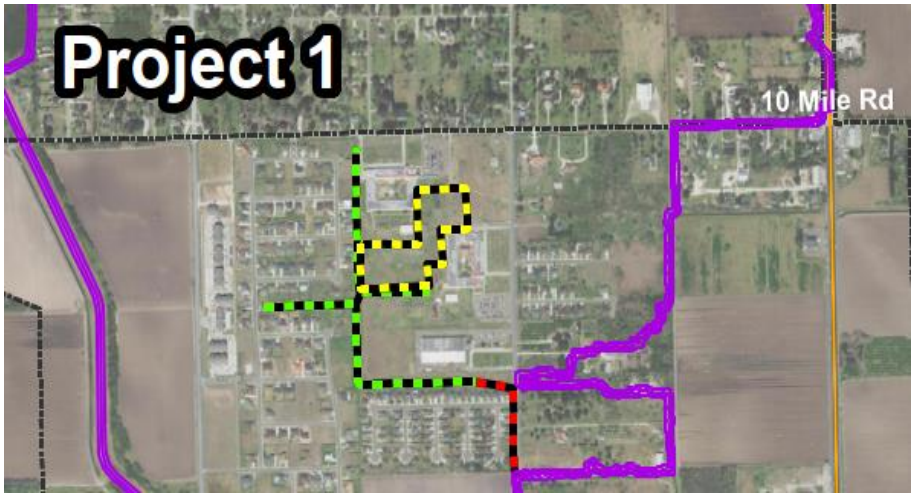
Construction of an 8 acre detention pond, with approximately 4,000 LF of channel widening along the back of the neighborhoods and between the Justice Raul A. Gonzalez Elementary School and Joe Calvillo Jr Career & Technology Education Complex; replacement of existing undersized channel culvert with two – 8' x 5' reinforced concrete boxes (RCBs), and adding two – 8' x 5' RCBs to connect the existing drainage ditches to the drain channel system on the east.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110230
HUC 12	121102080100, 121102080300
Study Area (sq. mi.)	N/A



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐

Notes:

Project Costs

Total Cost:	$4,441,008	Study Sponsor:	City of Weslaco
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	City of Weslaco
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes ✓ No ☐
Funding Dedicated?	Yes ☐ No ✓	(Potential) Source of Funding	FIF, local

FMP

Flood Mitigation Project
Fact Sheet

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ☐ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ✓ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Weslaco Stormwater Improvement Plan - South International Boulevard and Business 83

FMP ID: 153000016

FMP Description

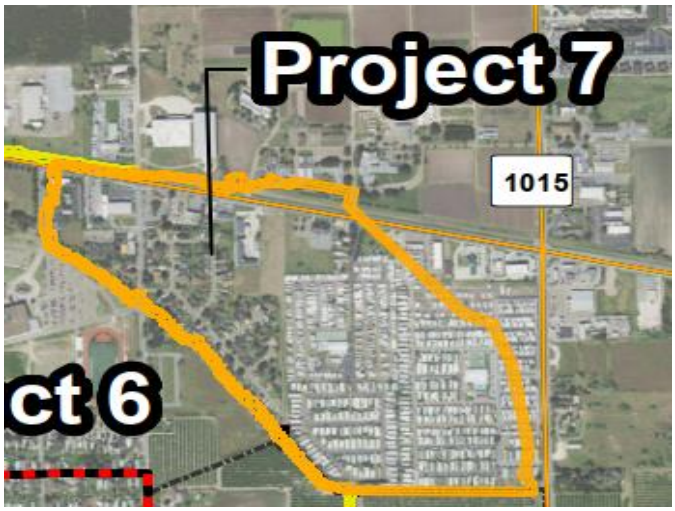
Replacement of 48 – inch culverts at two roadway crossings with 6' x 4' RCBs.

Project Type

- ☐ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110231
HUC 12	121102080100, 121102080300
Study Area (sq. mi.)	N/A



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐
Notes:			

Project Costs

Total Cost:	$93,808	Study Sponsor:	City of Weslaco
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	City of Weslaco
Time to complete?		Included in a Hazard Mitigation	Yes ✓ No ☐

Funding Dedicated?	Yes ☐ No ✓	Action Plan or other plan? (Potential) Source of Funding	FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐	No ✓	
Does the project have any negative effects, per TWDB guidelines?	Yes ☐	No ☐	Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐	No ☐	Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐	No ☐	Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐	No ✓	
Has all the ROW been acquired?	Yes ☐	No ☐	
Will permits or interlocal agreements be needed for this project?	Yes ☐	No ☐	

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ☐ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Weslaco Stormwater Improvement Plan - Texas Boulevard to Airport Drive, South of Business 83

FMP ID: 153000017

FMP Description

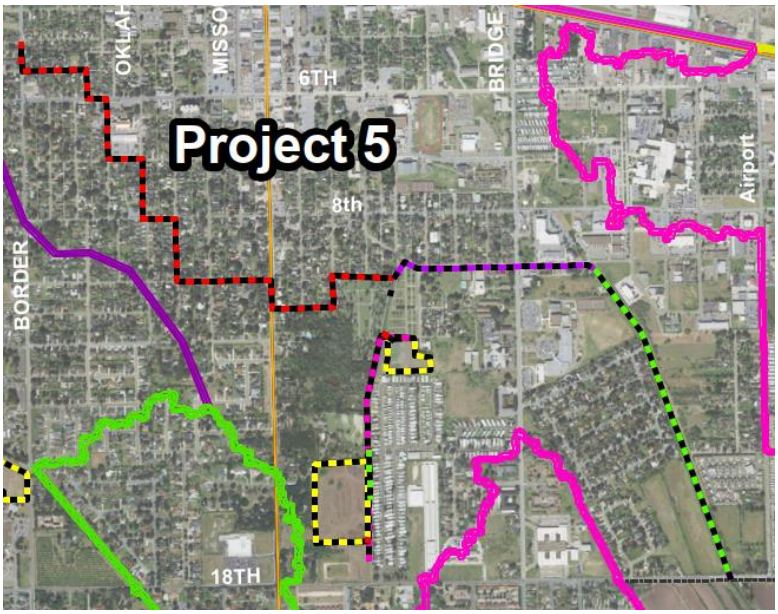
Replacement of 48 – inch culverts at two roadway crossings with 6' x 4' RCBs.

Project Type

- ☐ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110232
HUC 12	121102080100, 121102080300
Study Area (sq. mi.)	N/A



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐

Notes:

Project Costs

Total Cost:	$43,984,512	Study Sponsor:	City of Weslaco
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	City of Weslaco
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes ✓ No ☐
Funding Dedicated?	Yes ☐ No ✓	(Potential) Source of Funding	FIF, local

FMP

Flood Mitigation Project
Fact Sheet

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ✓ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Weslaco Stormwater Improvement Plan - West Weslaco

FMP ID: 153000018

FMP Description

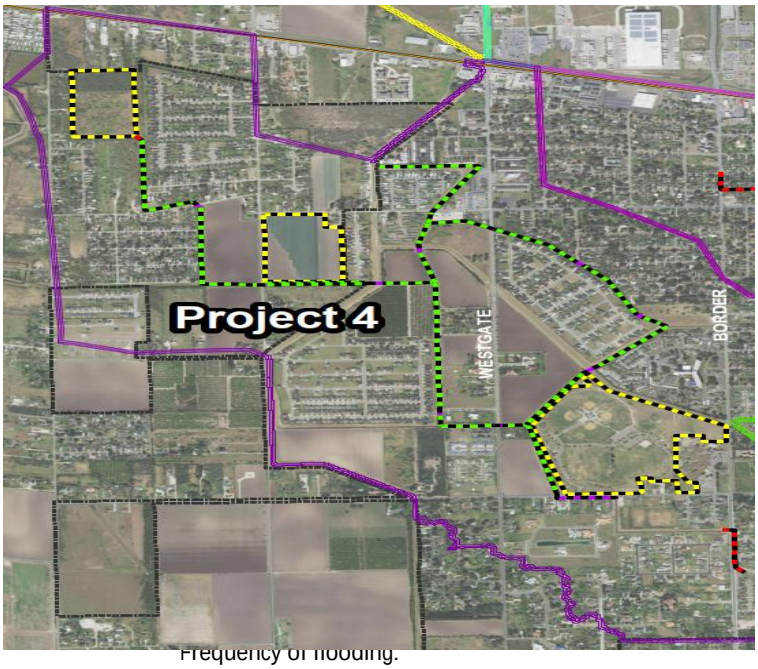
The project is located just west of Border Avenue, between US 83 and Zelma Street. Construction of three detention ponds, 18 acres east of Vaughn Road and Midway Road, 26 acres near West 6th Street and Milano Road and 60 acres at Harlon Block Sports Complex, approximately 17,000 LF of channel widening connecting the ponds, and installation of approximately 4500 LF of large (8' x 4', 8' x 5', 8' x 6') RCB storm drain system to improve conveyance along the channels to the ponds.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110233
HUC 12	121102080100, 121102080300
Study Area (sq. mi.)	N/A



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐

Notes:

Project Costs

Total Cost:	$37,305,840	Study Sponsor:	City of Weslaco
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	City of Weslaco
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes ✓ No ☐
Funding Dedicated?	Yes ☐ No ✓	(Potential) Source of Funding	FIF, local

FMP

Flood Mitigation Project
Fact Sheet

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ✓ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Weslaco Stormwater Improvement Plan - Westgate Drive and Sugar Cane Drive

FMP ID: 153000019

FMP Description

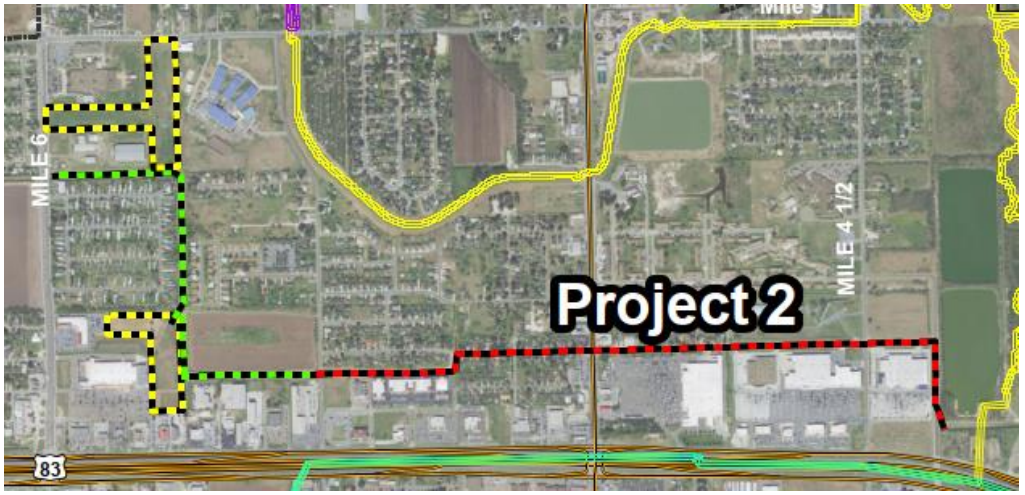
Construction of two detention ponds, 11 acres near Clecker-Heald Elementary School and 8 acres behind the commercial properties north of Interstate 2, approximately 4,500 LF of channel widening connecting the two ponds, addition of a new 42-inch reinforced concrete pipe (RCP) culvert east of Border Avenue, and installation of approximately 5,600 LF of an 8' x 4' RCB storm drain system along West Paisano Lane and East Ballard Street.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110234
HUC 12	121102080100, 121102080300
Study Area (sq. mi.)	N/A



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐

Notes:

Project Costs

Total Cost:	$11,099,088	Study Sponsor:	City of Weslaco
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	City of Weslaco
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes ✓ No ☐
Funding Dedicated?	Yes ☐ No ✓	(Potential) Source of Funding	FIF, local

FMP

Flood Mitigation Project
Fact Sheet

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ✓ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Precinct 4 MDP - Risk Area A at Mile 8.5 Rd. & Ware Rd.

FMP ID: 153000020

FMP Description

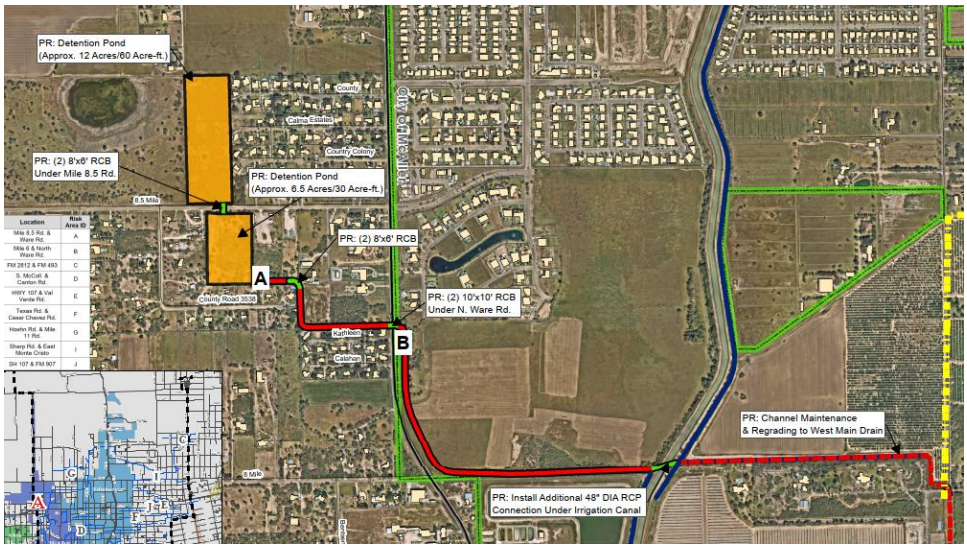
Approximately 1 mile of proposed channel improvements. Proposed culverts. Proposed Detention Ponds with pond north of Mile 8.5 Rd. to collect runoff from the west and has an approximate footprint of 12 acres and storage capacity of 60 acre-ft and will outfall south towards the pond south of Mile 8.5 Rd.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110279
HUC 12	121102080400, 121102070100, 121102080200
Study Area (sq. mi.)	N/A



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐

Notes:

Project Costs

Total Cost:	$19,899,000	Study Sponsor:	Hidalgo County Precinct 4
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	Hidalgo County Precinct 4
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes ✓ No ☐
Funding Dedicated?	Yes ☐ No ✓	(Potential) Source of Funding	FIF, local

FMP

Flood Mitigation Project
Fact Sheet

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ✓ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Precinct 4 MDP - Risk Area B at Mile 6 & North Ware Rd.

FMP ID: 153000021

FMP Description

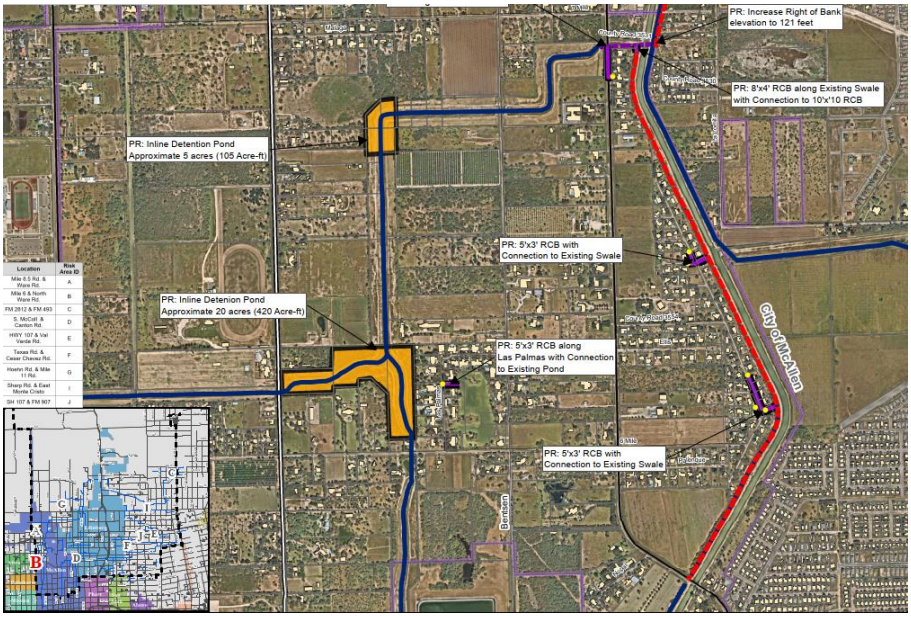
Regional Detention Facilities with a pond footprint of 25 acres along the Existing HCDD1 West Main Drain. Storm Drain and Local Drainage Improvements. Channel maintenance.

Project Type

- ☐ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110280
HUC 12	121102080400, 121102070100, 121102080200, 121102080200
Study Area (sq. mi.)	N/A



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐

Notes:

Project Costs

Total Cost:	$27,175,500	Study Sponsor:	Hidalgo County Precinct 4
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	Hidalgo County Precinct 4
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes ✓ No ☐

Funding Dedicated? Yes ☐ No ✓ (Potential) Source of Funding FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ✓ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Precinct 4 MDP - Risk Area C at FM 2812 & FM 493

FMP ID: 153000022

FMP Description

Channel Improvements (Widening & Regrading) to Existing J-01 Drain with approximately 1.5 miles of proposed improvements. Channel Improvements (Channel Maintenance & Flowline Regrading) to Existing DA-1 Ext. Drain with approximately 0.4 miles of proposed improvements. Proposed detention pond will have an approximate footprint of 9 acres and storage capacity of 90 acre-ft. Grate inlets & proposed storm drain channel maintenance & debris removal.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ✓ Infrastructure

Project Area

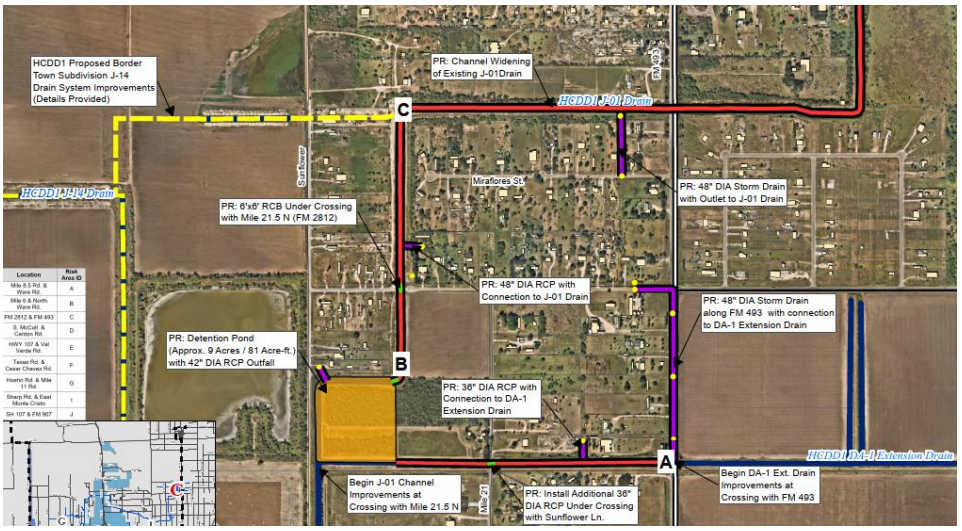
City/ Cities

County/ Counties: Hidalgo

HUC 8: 12110207, 12110281

HUC 12: 121102080400, 121102070100, 121102080200, 121102080200

Study Area (sq. mi.): N/A



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding? Yes ✓ No ☐
Frequency of flooding:
Population at Risk
# of structures inundated
Roadways flooded Yes ✓ No ☐
Miles inundated?
Critical Facilities Impacted Yes ☐ No ☐
Agricultural Land impacted Yes ☐ No ☐
Notes:

Project Costs

Total Cost: $7, 887,000
Study Sponsor: Hidalgo County Precinct 4
Non-reoccurring Non-capital Cost (include in Total above): *These are one-time costs for program development, education campaign, and non-engineering study costs.*
Estimated year to start:
Entity with Oversight Hidalgo County Precinct 4

FMP

Flood Mitigation Project Fact Sheet

Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes ✓ No ☐
Funding Dedicated?	Yes ☐ No ✓	(Potential) Source of Funding	FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ✓ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Precinct 4 MDP - Risk Area D at S. McColl & Canton Rd.

FMP ID: 153000023

FMP Description

Channel Improvements (Widening & Regrading) to Existing McAllen Lateral & North Main Drain with approximately 2.25 miles of proposed improvements from S McColl St. to State Highway 107. Crossings at W Canton Rd., W Freddy Gonzalez Dr., and W Sprague St. were all evaluated up to the 25-year design storm criteria for upsizing evaluation.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ✓ Infrastructure

Project Area

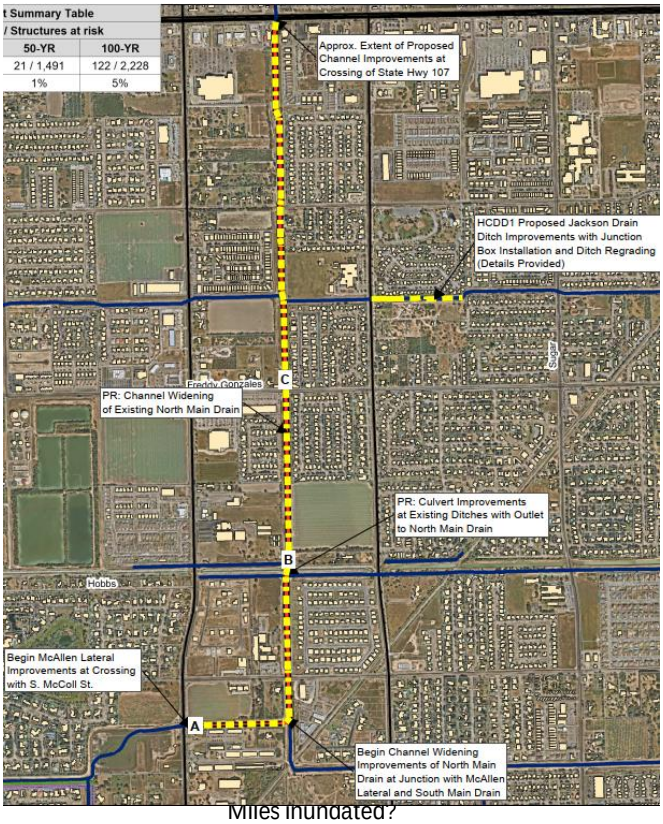
City/ Cities

County/ Counties: Hidalgo

HUC 8: 12110207, 12110282

HUC 12: 121102080400, 121102070100, 121102080200, 121102080200

Study Area (sq. mi.): N/A



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding? Yes ✓ No ☐

Population at Risk

Roadways flooded Yes ✓ No ☐

Critical Facilities Impacted Yes ☐ No ☐

Miles inundated?

Agricultural Land impacted Yes ☐ No ☐

Notes:

Project Costs

Total Cost: $6,358,000

Non-reoccurring Non-capital Cost (include in Total above):

Estimated year to start:

Time to complete?

Study Sponsor: Hidalgo County Precinct 4

These are one-time costs for program development, education campaign, and non-engineering study costs.

Entity with Oversight: Hidalgo County Precinct 4

Included in a Hazard Mitigation Yes ✓ No ☐

FMP

Flood Mitigation Project
Fact Sheet

Funding Dedicated?	Yes ☐ No ✓	Action Plan or other plan? (Potential) Source of Funding	FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ☐ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Precinct 4 MDP - Risk Area E at Hwy 107 & Val Verde Rd.

FMP ID: 153000024

FMP Description

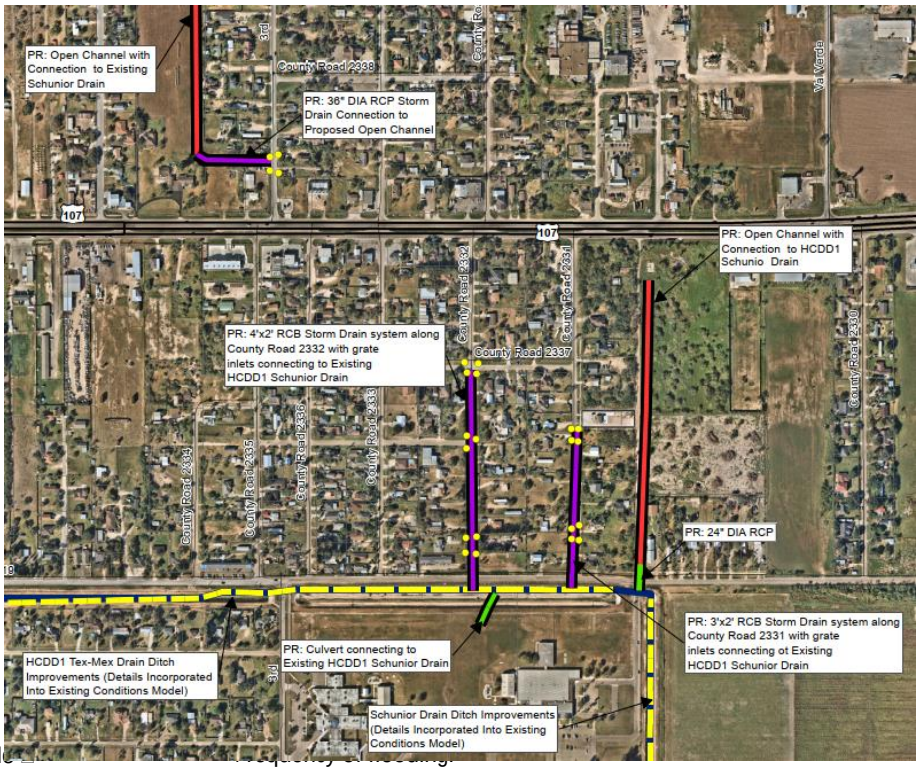
Channel Improvements with approximately 0.3 miles of proposed improvements. Proposed detention pond north of Tex-Mex Rd. and east of S 87th St. has an approximate footprint of 4.25 acres and capacity of 20 acre-ft. Grate Inlets and Proposed Storm Drain 5'x5' grate inlets spaced along every 500' of storm drain with a 4'x2' RCB along S 85th St.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110283
HUC 12	121102080400, 121102070100, 121102080200, 121102080200
Study Area (sq. mi.)	N/A



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding? Yes ✓ No ☐
Population at Risk # of structures inundated
Roadways flooded Yes ✓ No ☐ Miles inundated?
Critical Facilities Impacted Yes ☐ No ☐ Agricultural Land impacted Yes ☐ No ☐
Notes:

Project Costs

Total Cost: $4,983,000 Study Sponsor: Hidalgo County Precinct 4
Non-reoccurring Non-capital Cost (include in Total above): *These are one-time costs for program development, education campaign, and non-engineering study costs.*
Estimated year to start: Entity with Oversight Hidalgo County Precinct 4
Time to complete? Included in a Hazard Mitigation Yes ✓ No ☐

FMP

Flood Mitigation Project
Fact Sheet

Funding Dedicated?	Yes ☐ No ✓	Action Plan or other plan? (Potential) Source of Funding	FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ✓ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Precinct 4 MDP - Risk Area F at Texas Rd. & Cesar Chavez Rd.

FMP ID: 153000025

FMP Description

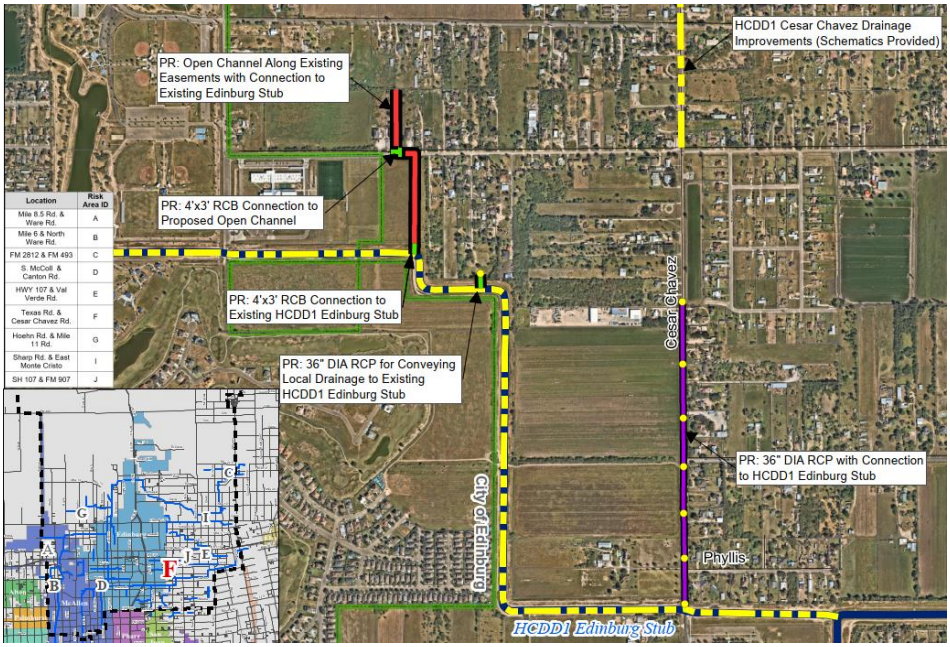
Channel Improvements with approximately 0.6 miles of proposed improvements. Grate Inlets and Proposed Storm Drain with grate inlets in sag spaced along every 500' tying into a 42'' RCP along Cesar Chavez Road starting at just south of Texas Rd to the Curry Drain. Culvert Improvements with connections between the proposed open channels and existing HCDD1 Edinburg Stub will require the installation of 4'x3' RCBs.

Project Type

- ☐ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110284
HUC 12	121102080400, 121102070100, 121102080200, 121102080200
Study Area (sq. mi.)	N/A



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐

Notes:

Project Costs

Total Cost:	$7,920,000	Study Sponsor:	Hidalgo County Precinct 4
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	Hidalgo County Precinct 4

FMP

Flood Mitigation Project Fact Sheet

Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes ✓ No ☐
Funding Dedicated?	Yes ☐ No ✓	(Potential) Source of Funding	FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ☐ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Precinct 4 MDP - Risk Area G at Hoehn Rd. & Mile 11 Rd.

FMP ID: 153000026

FMP Description

Channel Improvements with approximately 0.75 miles of proposed improvements. Proposed Pond north of County Road 3424 and west of County Road 3421 has an approximate footprint of 5 acres and capacity of 35 acre-ft. Grate Inlets and Proposed Storm Drain 5'x5' grate inlets will be located at the southwest corner of Eubanks and County Road 3424 with a connection to a 42" DIA RCP storm drain. Proposed culverts

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Area

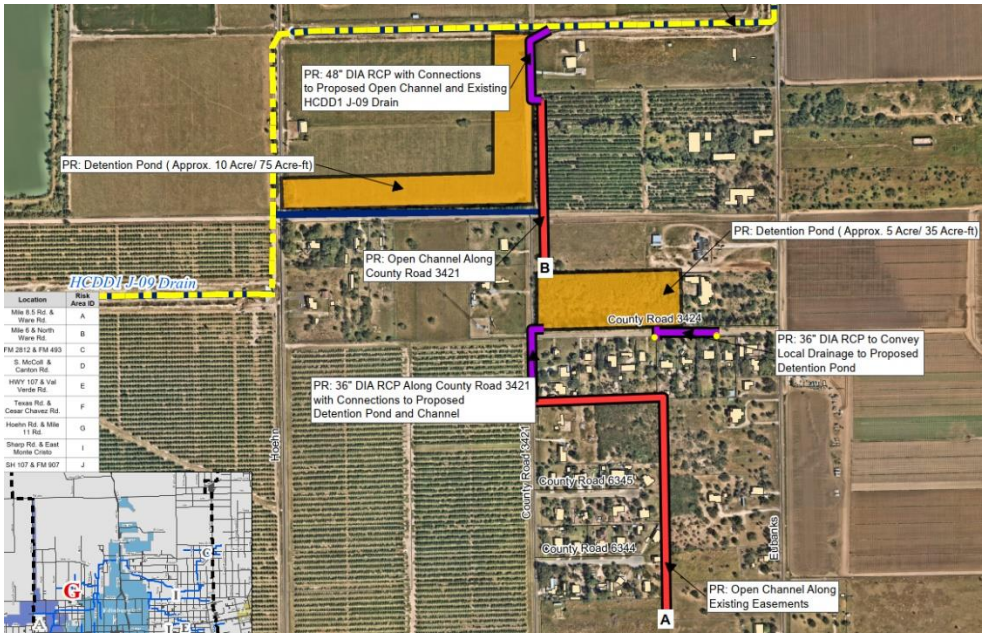
City/ Cities

County/ Counties: Hidalgo

HUC 8: 12110207, 12110285

HUC 12: 121102080400, 121102070100, 121102080200, 121102080200

Study Area (sq. mi.): N/A



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐

Notes:

Project Costs

Total Cost:	$6,061,000	Study Sponsor:	Hidalgo County Precinct 4
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	Hidalgo County Precinct 4
Time to complete?		Included in a Hazard Mitigation	Yes ✓ No ☐

FMP

Flood Mitigation Project
Fact Sheet

Funding Dedicated?	Yes ☐ No ✓	Action Plan or other plan? (Potential) Source of Funding	FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ☐ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Precinct 4 MDP - Risk Area I at Sharp Rd. & E Monte Cristo Rd

FMP ID: 153000027

FMP Description

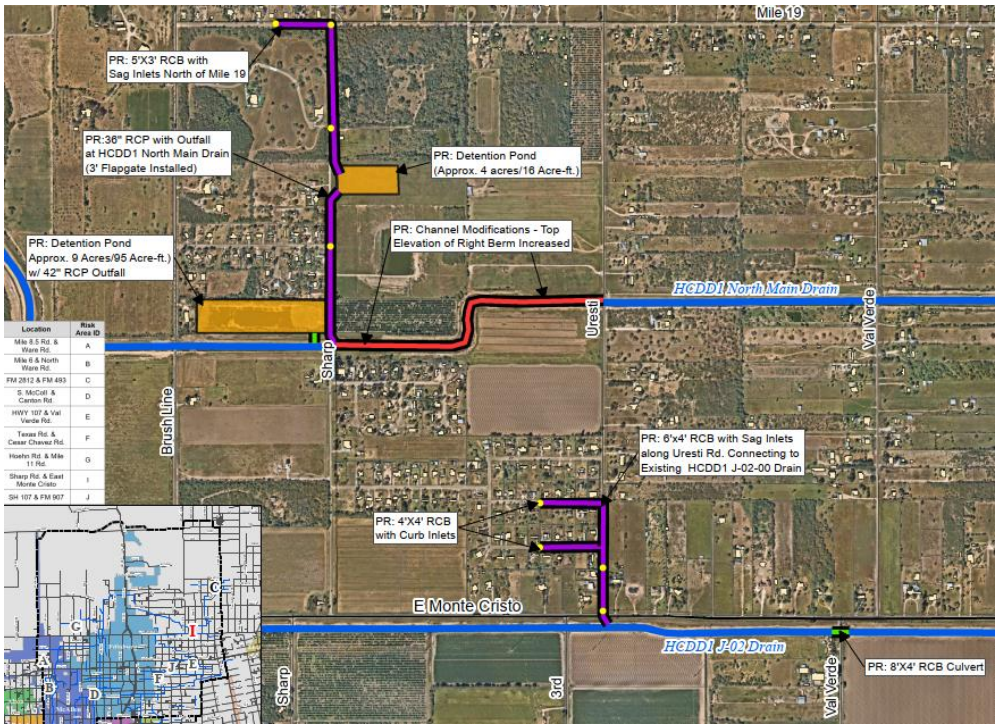
Inlets and proposed storm drain with Approximately 1,100' of 4'x4' RCB storm drain with curb inlets to be installed along Hendrix Dr. and Gaston Cr. with approximately 1,200' of 6'x4' RCB storm with grate and sag inlets along Uresti Rd. with connection to the HCDD1 J-02 Drain. Proposed installation of grate and sag inlets along Mile 19 Rd. (Phase Two) and proposed installation of grate and sag inlets along Sharp Rd. (Phase Two). Proposed Culverts Improvements (Phase One). Proposed detention pond with 9 acre footprint. Channel maintenance.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110286
HUC 12	121102080400, 121102070100, 121102080200, 121102080200
Study Area (sq. mi.)	N/A



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐

Notes:

Project Costs

Total Cost:	$5,995,000	Study Sponsor:	Hidalgo County Precinct 4
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	Hidalgo County Precinct 4

FMP

Flood Mitigation Project Fact Sheet

Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes ✓ No ☐
Funding Dedicated?	Yes ☐ No ✓	(Potential) Source of Funding	FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ☐ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Precinct 4 MDP - Risk Area J at SH 107 & FM 907

FMP ID: 153000028

FMP Description

Channel Improvements (Widening & Regrading) to Existing HCDD1 "Y" drain with approximately 0.75 miles of proposed channel improvements beginning at Fresno Dr. and ending at E Curry Rd. Proposed Drainage Grate Inlets approximately 3,800' of storm drain to provide local drainage improvements north and west of existing HCDD1 "Y" Drain in two separate systems. Proposed culverts improvements. Proposed detention pond with a 2.7 acre footprint.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110287
HUC 12	121102080400, 121102070100, 121102080200, 121102080200
Study Area (sq. mi.)	N/A

Insert snip of Location Map here

Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding? Yes ✓ No ☐
Frequency of flooding:
Population at Risk
# of structures inundated
Roadways flooded Yes ✓ No ☐
Miles inundated?
Critical Facilities Impacted Yes ☐ No ☐
Agricultural Land impacted Yes ☐ No ☐
Notes:

Project Costs

Total Cost: $3,608,000
Study Sponsor: Hidalgo County Precinct 4
Non-reoccurring Non-capital Cost (include in Total above): *These are one-time costs for program development, education campaign, and non-engineering study costs.*
Estimated year to start:
Entity with Oversight Hidalgo County Precinct 4

FMP

Flood Mitigation Project Fact Sheet

Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes ✓ No ☐
Funding Dedicated?	Yes ☐ No ✓	(Potential) Source of Funding	FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ☐ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Risk Area 11 Rancho Escondido

FMP ID: 153000029

FMP Description

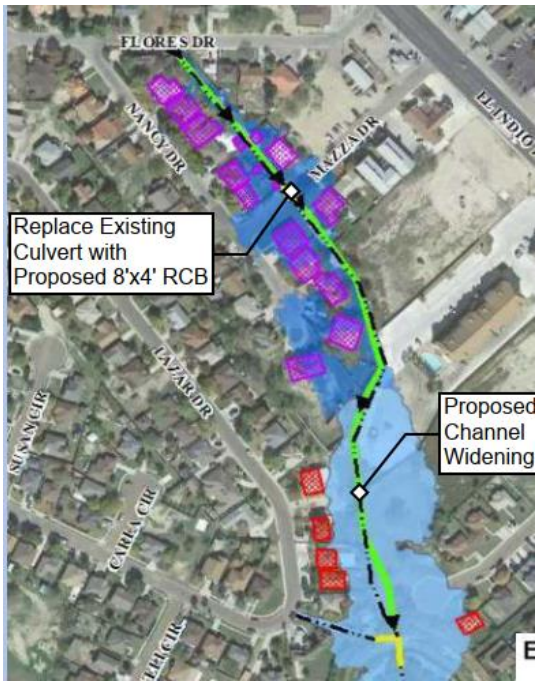
Project includes constructing 10'x2' U-shaped channel from Flores Drive to just south of Microtel Inn Suites, replacing existing culvert under Maza Drive with 1-8'x4 RCB, and installing curb inlet at cul-de-sac on Nancy Drive.

Project Type

- ☐ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Maverick
HUC 8	13080001, 13080002
HUC 12	130800020703, 130800020702
Study Area (sq. mi.)	0.03



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐
Notes:			

Project Costs

Total Cost:	$911,900	Study Sponsor:	City of Eagle Pass
Non-reoccurring Non-capital Cost (include in Total above):	,	*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	City of Eagle Pass
Time to complete?		Included in a Hazard Mitigation	Yes ✓ No ☐

Funding Dedicated?	Yes ☐ No ✓	Action Plan or other plan? (Potential) Source of Funding	FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐	No ✓	
Does the project have any negative effects, per TWDB guidelines?	Yes ☐	No ☐	Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐	No ☐	Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐	No ☐	Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐	No ✓	
Has all the ROW been acquired?	Yes ☐	No ☐	
Will permits or interlocal agreements be needed for this project?	Yes ☐	No ☐	

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ☐ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Risk Area 12 Fox Borough Drive

FMP ID: 153000030

FMP Description

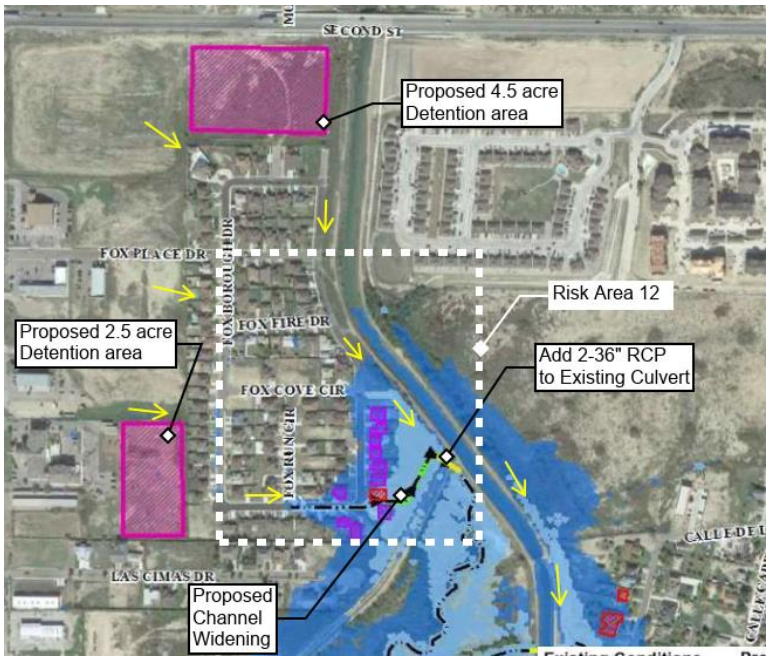
Project includes bypassing flow from inlet at PointLoma Drive and North Point Drive to the detention pond with 1 - 8'x4' RCB and Installing additional curb inlets on N. Point Drive and Silver Oak Circle.

Project Type

- ☐ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Maverick
HUC 8	13080001, 13080002
HUC 12	130800020703, 130800020702
Study Area (sq. mi.)	0.05



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐

Notes:

Project Costs

Total Cost:	$1,185,800	Study Sponsor:	City of Eagle Pass
Non-reoccurring Non-capital Cost (include in Total above):	,	*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	City of Eagle Pass
Time to complete?		Included in a Hazard Mitigation	Yes ✓ No ☐

Funding Dedicated?	Yes ☐ No ✓	Action Plan or other plan? (Potential) Source of Funding	FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐	No ✓	
Does the project have any negative effects, per TWDB guidelines?	Yes ☐	No ☐	Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐	No ☐	Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐	No ☐	Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐	No ✓	
Has all the ROW been acquired?	Yes ☐	No ☐	
Will permits or interlocal agreements be needed for this project?	Yes ☐	No ☐	

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ☐ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Risk Area 13 Celle De Los Santos neighborhood. Additional culvert under irrigation canal.

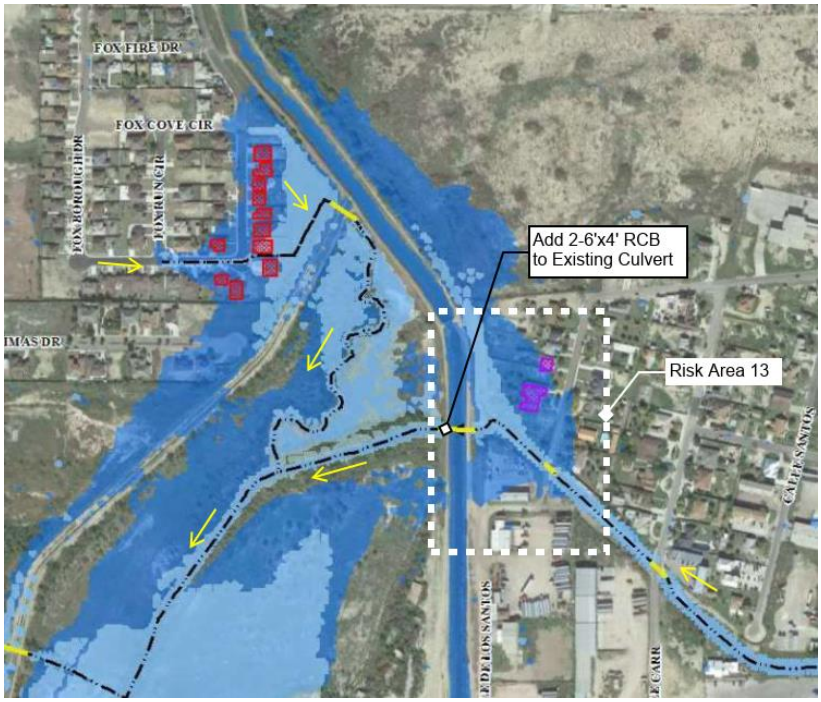
FMP ID: 153000031

FMP Description

Project includes upgrading existing culvert crossing irrigation canal from 2-6'x4' RCB to 4-6'x4' RCB.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure



Project Area

City/ Cities	
County/ Counties	Maverick
HUC 8	13080001, 13080002
HUC 12	130800020703, 130800020702
Study Area (sq. mi.)	0.03

Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐
Notes:			

Project Costs

Total Cost:	$181,500	Study Sponsor:	City of Eagle Pass
Non-reoccurring Non-capital Cost (include in Total above):	,	*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	City of Eagle Pass
Time to complete?		Included in a Hazard Mitigation	Yes ✓ No ☐

Funding Dedicated?	Yes ☐ No ✓	Action Plan or other plan? (Potential) Source of Funding	FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ☐ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Risk Area 15 Trib 3 Detention at Main Street

FMP ID: 153000032

FMP Description

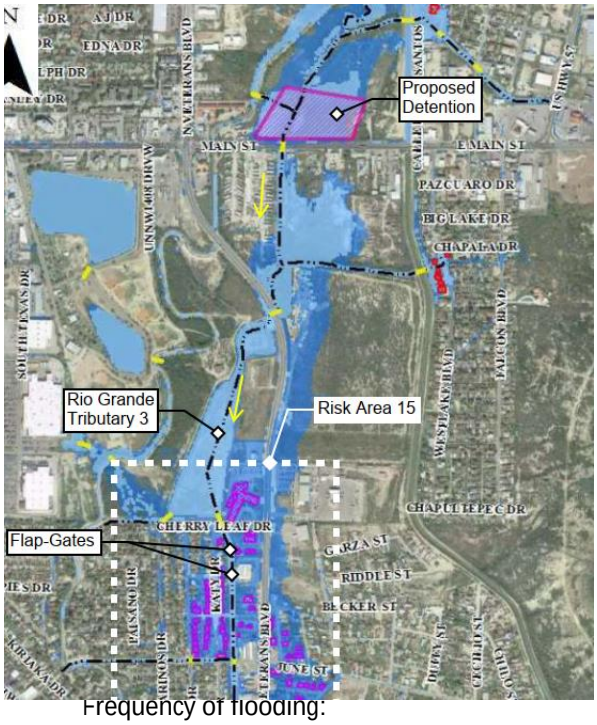
Project includes constructing 10 acre detention pond (29 ac-ft volume) along East Channel north of Highway 277 and installing flap-gates at flume outfalls on Omar Drive and Jana Drive, to prevent more frequent stormwater from backing up into the neighborhood on the west side of the channel.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Maverick
HUC 8	13080001, 13080002
HUC 12	130800020703, 130800020702
Study Area (sq. mi.)	0.05



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓	No ☐	Frequency of flooding:	
Population at Risk			# of structures inundated	
Roadways flooded	Yes ✓	No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐	No ☐	Agricultural Land impacted	Yes ☐ No ☐

Notes:

Project Costs

Total Cost:	$828,300	Study Sponsor:	City of Eagle Pass
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	City of Eagle Pass
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes ✓ No ☐

Funding Dedicated? Yes ☐ No ✓ (Potential) Source of Funding FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐	No ✓	
Does the project have any negative effects, per TWDB guidelines?	Yes ☐	No ☐	Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐	No ☐	Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐	No ☐	Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐	No ✓	
Has all the ROW been acquired?	Yes ☐	No ☐	
Will permits or interlocal agreements be needed for this project?	Yes ☐	No ☐	

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ☐ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Risk Area 2 Treasure Hills

FMP ID: 153000033

FMP Description

Project includes constructing a 4' deep trapezoidal concrete channel with 8' bottom width and 2:1 side slopes, from detention pond outfall to existing culverts.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Maverick
HUC 8	13080001, 13080002
HUC 12	130800020703, 130800020702
Study Area (sq. mi.)	0.06

Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐
Notes:			

Project Costs

Total Cost:	$597,300	Study Sponsor:	City of Eagle Pass
Non-reoccurring Non-capital Cost (include in Total above):	,	*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	City of Eagle Pass
Time to complete?		Included in a Hazard Mitigation	Yes ✓ No ☐

Funding Dedicated?	Yes ☐ No ✓	Action Plan or other plan? (Potential) Source of Funding	FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐	No ✓	
Does the project have any negative effects, per TWDB guidelines?	Yes ☐	No ☐	Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐	No ☐	Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐	No ☐	Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐	No ✓	
Has all the ROW been acquired?	Yes ☐	No ☐	
Will permits or interlocal agreements be needed for this project?	Yes ☐	No ☐	

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ☐ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Risk Area 3 Arrow Point Boulevard

FMP ID: 153000034

FMP Description

Project includes constructing small retaining wall at downstream of flume outfall to force flow towards Stone Way and constructing a 2' wide and 6" deep concrete flume from existing flume outfall to Stone Way.

Project Type

- ☐ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Are

City/ Cities	
County/ Counties	Maverick
HUC 8	13080001, 13080002
HUC 12	130800020703, 130800020702
Study Area (sq. mi.)	0.02

Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐

Notes:

Project Costs

Total Cost:	$52,800	Study Sponsor:	City of Eagle Pass
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	City of Eagle Pass
Time to complete?		Included in a Hazard Mitigation	Yes ✓ No ☐

Funding Dedicated?	Yes ☐ No ✓	Action Plan or other plan? (Potential) Source of Funding	FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ☐ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Risk Area 4 Bibb & Misty Willow storm drain

FMP ID: 153000035

FMP Description

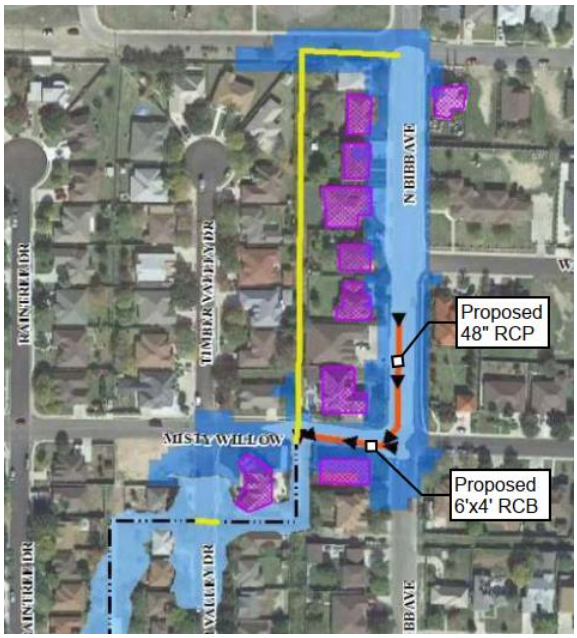
Project includes installing 6'x4' RCB along Misty Willow Drive from N Bibb Avenue to existing channel between N Bibb Avenue and Timber Valley and installing curb inlets on N Bibb Avenue and Misty Willow Drive.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Maverick
HUC 8	13080001, 13080002
HUC 12	130800020703, 130800020702
Study Area (sq. mi.)	0.02



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐
Notes:			

Project Costs

Total Cost:	$316,800	Study Sponsor:	City of Eagle Pass
Non-reoccurring Non-capital Cost (include in Total above):	,	*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	City of Eagle Pass
Time to complete?		Included in a Hazard Mitigation	Yes ✓ No ☐

Funding Dedicated?	Yes ☐ No ✓	Action Plan or other plan? (Potential) Source of Funding	FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ☐ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Risk Area 5 Debona Drive

FMP ID: 153000036

FMP Description

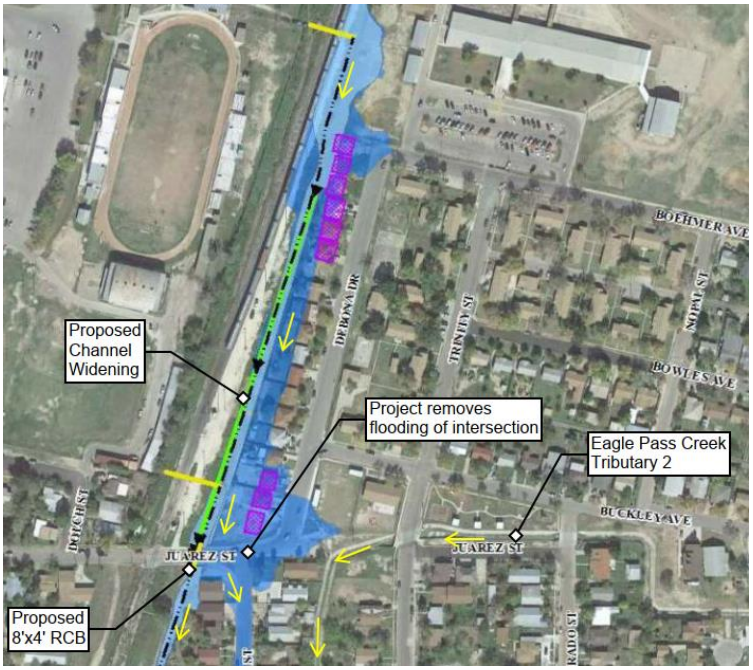
Project includes constructing a 5' deep trapezoidal channel approximately 30 feet wide with 3:1 side slopes and a 5' concrete pilot channel, replacing Juarez Street culvert with 8'x4' box culvert, and realigning existing channel to provide additional distance from homes.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Maverick
HUC 8	13080001, 13080002
HUC 12	130800020703, 130800020702
Study Area (sq. mi.)	0.02



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐
Notes:			

Project Costs

Total Cost:	$359,700	Study Sponsor:	City of Eagle Pass
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	City of Eagle Pass
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes ✓ No ☐

Funding Dedicated? Yes ☐ No ✓ (Potential) Source of Funding FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐	No ✓	
Does the project have any negative effects, per TWDB guidelines?	Yes ☐	No ☐	Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐	No ☐	Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐	No ☐	Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐	No ✓	
Has all the ROW been acquired?	Yes ☐	No ☐	
Will permits or interlocal agreements be needed for this project?	Yes ☐	No ☐	

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ☐ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Risk Area 6 Trib 2 bypass & detention at Eagle Pass High School fields

FMP ID: 153000037

FMP Description

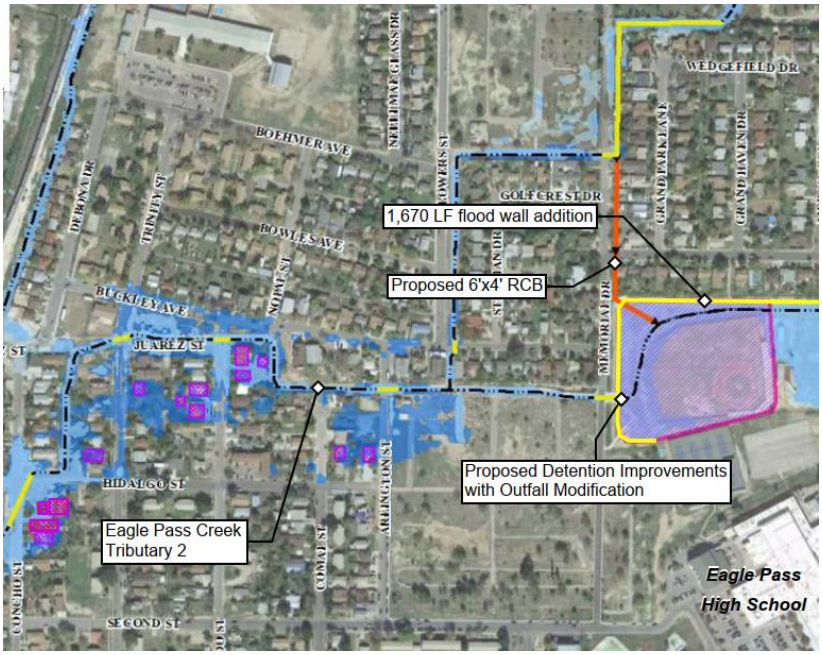
Project includes bypassing flow from Golfcrest Drive to the detention pond with 1-6'x4', RCB Modifying outfall structure from 2-5'x3' RCB to 1-5'x3' RCB, and Lowering existing baseball field by 3 ft to provide an additional 30 ac-ft of storage.

Project Type

- ☐ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Maverick
HUC 8	13080001, 13080002
HUC 12	130800020703, 130800020702
Study Area (sq. mi.)	0.10



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐
Notes:			

Project Costs

Total Cost:	$957,000	Study Sponsor:	City of Eagle Pass
Non-reoccurring Non-capital Cost (include in Total above):	*These are one-time costs for program development, education campaign, and non-engineering study costs.*		
Estimated year to start:		Entity with Oversight	City of Eagle Pass
Time to complete?		Included in a Hazard Mitigation	Yes ✓ No ☐

FMP

Flood Mitigation Project
Fact Sheet

Funding Dedicated?	Yes ☐ No ✓	Action Plan or other plan? (Potential) Source of Funding	FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐	No ✓	
Does the project have any negative effects, per TWDB guidelines?	Yes ☐	No ☐	Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐	No ☐	Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐	No ☐	Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐	No ✓	
Has all the ROW been acquired?	Yes ☐	No ☐	
Will permits or interlocal agreements be needed for this project?	Yes ☐	No ☐	

Related Goals

- ☐ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ✓ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Risk Area 8 Tributary 2 channel widening near Alexander Drive

FMP ID: 153000038

FMP Description

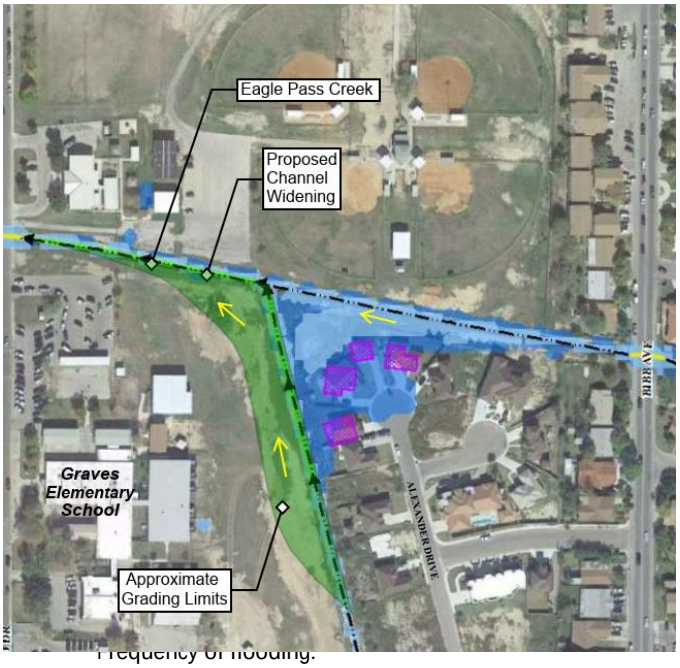
Project includes constructing a 3' deep trapezoidal channel with a 76' bottom width with 4:1 side slopes from Graves Elementary School to the confluence of existing channels and constructing a 4' deep trapezoidal channel with a 11' bottom width with 4:1 side slopes from confluence of existing channels to existing culvert at Kelso Drive.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Maverick
HUC 8	13080001, 13080002
HUC 12	130800020703, 130800020702
Study Area (sq. mi.)	0.04



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓ No ☐	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes ✓ No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐ No ☐	Agricultural Land impacted	Yes ☐ No ☐

Notes:

Project Costs

Total Cost:	$80,300	Study Sponsor:	City of Eagle Pass
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	City of Eagle Pass
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes ✓ No ☐
Funding Dedicated?	Yes ☐ No ✓	(Potential) Source of Funding	FIF, local

FMP

Flood Mitigation Project
Fact Sheet

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ☐ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓

Region 15 Lower Rio Grande Regional Flood Planning Group

FMP

Flood Mitigation Project
Fact Sheet

Alton MDP - North Inspiration Road and West St. Jude Avenue

FMP ID: 153000039

FMP Description

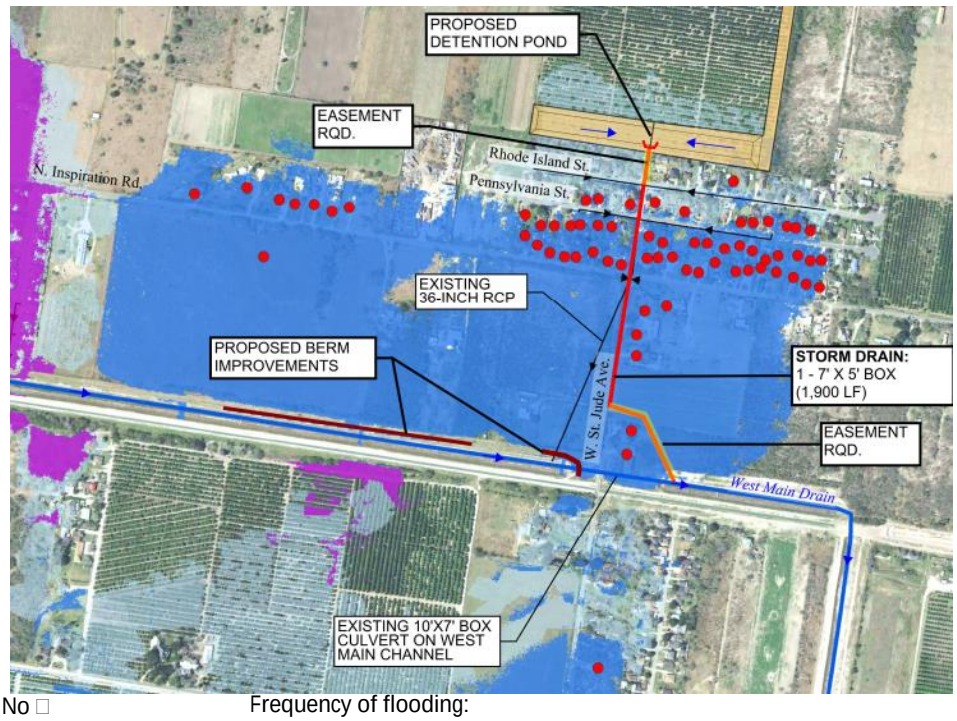
Upsize The Storm Drain Under West St. Jude Avenue. Trunk Line Will Consist Of 1900 Lf Of A Single 7'X5' Rcb Sloped At 0.5% From The Area Just West Of The Neighborhood On W. St. Jude Avenue To The West Main Drain Channel, Downstream (North) Of The Existing 10'X7' Box Culvert. Discharging At An Angle On The Northside Of St. Jude Avenue Will Improve Efficiency Where The Tailwater Of West Main Drain Is Much Lower. Small Detention Pond Will Be Required On The Westside Of The Houses On Rhode Island St To Capture Runoff From The 700 Acres Mentioned Earlier. Berm Improvements Are Recommended Along The West Main Drain Bank. Overall, 72 Existing Structures Will Be Removed From The 25 Yr. Floodplain.

Project Type

- ✓ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems)
- ☐ Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)
- ✓ Infrastructure

Project Area

City/ Cities	
County/ Counties	Hidalgo
HUC 8	12110207, 12110258
HUC 12	121102080100, 121102080300, 130900020311
Study Area (sq. mi.)	N/A



Emergency Need

Yes ✓ No ☐

Known Flood Risk

History of Flooding?	Yes ✓	No ☐	Frequency of flooding:	
Population at Risk			# of structures inundated	
Roadways flooded	Yes ✓	No ☐	Miles inundated?	
Critical Facilities Impacted	Yes ☐	No ☐	Agricultural Land impacted	Yes ☐ No ☐

Notes:

Project Costs

Total Cost:	$2,609,200	Study Sponsor:	City of Alton
Non-reoccurring Non-capital Cost (include in Total above):		*These are one-time costs for program development, education campaign, and non-engineering study costs.*	
Estimated year to start:		Entity with Oversight	City of Alton

FMP

Flood Mitigation Project Fact Sheet

Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes ✓ No ☐
Funding Dedicated?	Yes ☐ No ✓	(Potential) Source of Funding	FIF, local

Have the flood risk and flood reduction impacts been evaluated?

Have the flood risk and flood reduction impacts been evaluated?	Yes ☐ No ✓
Does the project have any negative effects, per TWDB guidelines?	Yes ☐ No ☐ Unknown ✓
Does the project have a Benefit Cost Ratio greater than 1?	Yes ☐ No ☐ Unknown ✓
Does the project reduce flood risk for the 100-Yr flood event?	Yes ☐ No ☐ Unknown ✓
Does the Project provide a Water Supply Benefit?	Yes ☐ No ✓
Has all the ROW been acquired?	Yes ☐ No ☐
Will permits or interlocal agreements be needed for this project?	Yes ☐ No ☐

Related Goals

- ✓ Increase community access routes to critical facilities, evacuation routes, during and after a flooding event
- ☐ Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain
- ☐ Increase the # of communities participating in the National Flood Insurance Program
- ☐ Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs
- ☐ Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards
- ☐ Increase participation in the regional flood planning process
- ☐ Provide regional detention that could be used for water reuse applications or as part of a floodplain management program
- ☐ Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use
- ☐ Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website
- ☐ Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations
- ☐ Reduce the # of structures that have been subject to repeated flooding events through property buyouts
- ☐ Increase the # of entities that adopt higher than NFIP-minimum standards
- ☐ Develop and maintain an operational stormwater asset management plan
- ☐ Increase the # of flood gauges (rainfall/stream) in the region
- ☐ Increase the # of entities that have multi-year drainage CIP list
- ☐ Increase the # of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings
- ☐ Increase use of nature-based flood risk reduction projects
- ☐ Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger
- ☐ Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure
- ☐ Increase the proficiency of floodplain managers by increasing the # of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association
- ☐ Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain

RFPG Recommended

Yes ☐ No ✓