

An aerial photograph of a football stadium and its surrounding area. The stadium's field is blue with white yard lines and yard numbers (10, 20, 30, 40, 50). The word "CARDINALS" is painted in red on the left end zone, and "LAVILLA" is painted in red on the right end zone. A large red "M" logo is in the center of the field. The stadium is surrounded by a red running track. In the background, there are green fields, a residential area with houses, and a parking lot. The entire scene is overlaid with a semi-transparent dark grey rectangle containing white text.

# FLOOD MITIGATION PROJECTS (FMPs) FACT SHEETS



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

FMP ID: 153000001

### FMP Description

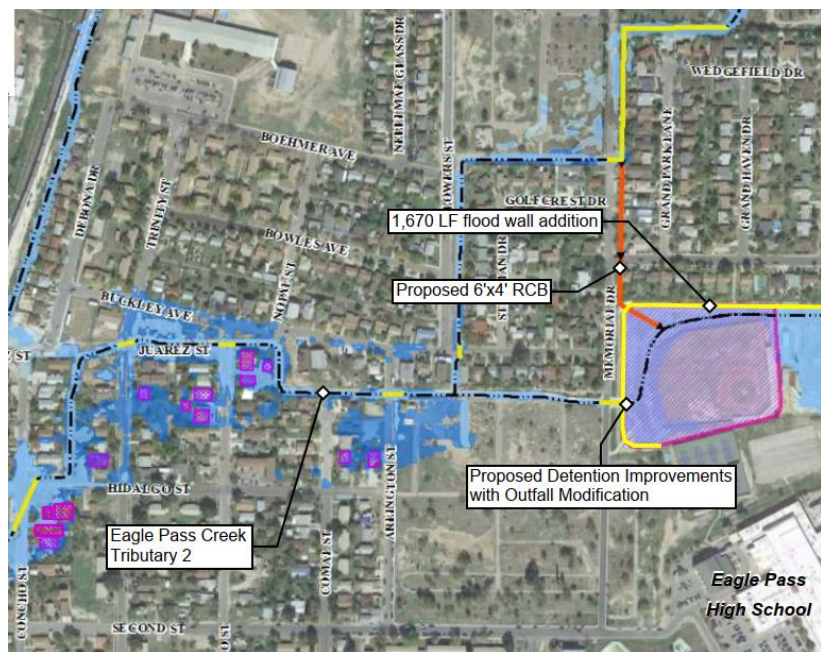
Project includes bypassing flow from Golfcrest Drive to the detention pond with 1-6'x4', RCB Modifying outfall structure from 2-5'x3' RCB to 1-5'x3' RCB, and Lowering existing baseball field by 3 ft to provide an additional 30 ac-ft of storage.

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

### Project Costs

Total Cost: \$870,000  
Non-recurring Non-capital Cost (include in Total above):  
Estimated year to start:  
Time to complete:  
Study Sponsor: City of Eagle Pass  
*These are one-time costs for program development, education campaign, and non-engineering study costs.*  
Entity with Oversight City of Eagle Pass  
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 ☐

## Risk Area 2 Treasure Hills

FMP ID: 153000002

## 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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

## Project Costs

Total Cost:	\$1,078,000	Study Sponsor:	City of Eagle Pass
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	City of Eagle Pass
Time to complete?		Included in a Hazard Mitigation	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>



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 ☐

## Risk Area 15 Trib 3 Detention at Main Street

FMP ID: 153000003

## 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 ☐

Population at Risk

Roadways flooded Yes ☒ No ☐

Critical Facilities Impacted Yes ☐ No ☐

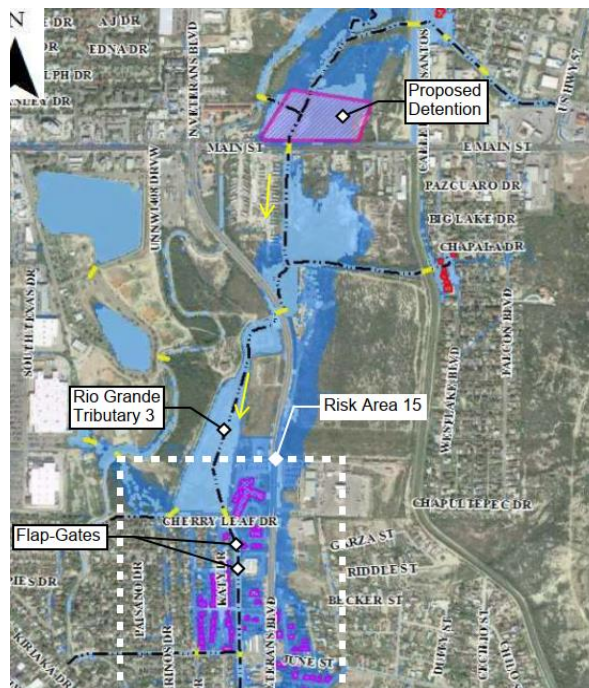
Notes:

Frequency of flooding:

# of structures inundated

Miles inundated?

Agricultural Land impacted    Yes ☐    No ☐



## Project Costs

Total Cost: \$753,000

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

Estimated year to start:

Time to complete?

Study Sponsor: City of Eagle Pass

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

Entity with Oversight City of Eagle Pass  
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 ☐

## Risk Area 8 Tributary 2 channel widening near Alexander Drive

FMP ID: 153000004

### FMP Description

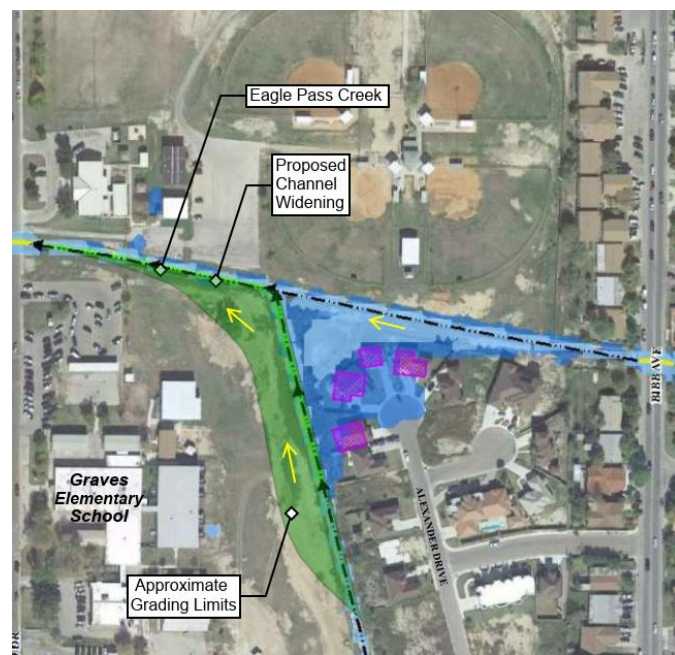
Project includes constructing a 3' deep trapezoidal channel with a 76' bottom width with 4:1 side slopes from Graves Elementary School to the confluence of existing channels and constructing a 4' deep trapezoidal channel with a 11' bottom width with 4:1 side slopes from confluence of existing channels 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 ☐  
Population at Risk Yes ☒ No ☐  
Roadways flooded Yes ☒ No ☐  
Critical Facilities Impacted Yes ☐ No ☐

Notes:

Frequency of flooding.  
# of structures inundated  
Miles inundated?  
Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$73,000  
Non-recurring Non-capital  
Cost (include in Total above):  
Estimated year to start:  
Time to complete?  
Funding Dedicated? Yes ☐ No ☒

Study Sponsor: City of Eagle Pass  
*These are one-time costs for program development, education campaign, and non-engineering study costs.*  
Entity with Oversight City of Eagle Pass  
Included in a Hazard Mitigation 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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

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

FMP ID: 153000005

### FMP Description

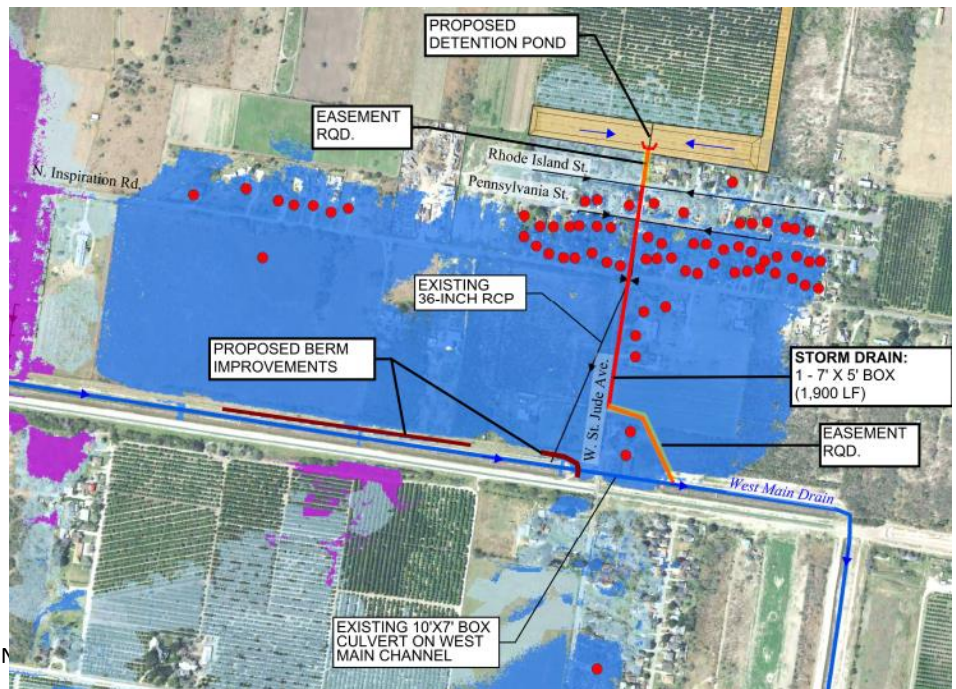
Alternative 2, is designed to remove structures from the 25-year floodplain and more frequent storms. This alternative consists of upsizing the storm drain under West St Jude Avenue. The trunk line will consist of 1,900 LF of a single 7' X 5' reinforced concrete box sloped at 0.5% from the area just 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 ☒ No ☐  
Population at Risk Yes ☒ No ☐  
Roadways flooded Yes ☒ No ☐  
Critical Facilities Impacted Yes ☐ No ☐  
Miles inundated? Yes ☐ No ☐  
Agricultural Land impacted Yes ☐ No ☐  
Notes:

### Project Costs

Total Cost: \$2,443,160  
Non-reoccurring Non-capital Cost (include in Total above):  
Estimated year to start:  
Time to complete?  
Study Sponsor: City of Alton  
*These are one-time costs for program development, education campaign, and non-engineering study costs.*  
Entity with Oversight City of Alton  
Included in a Hazard Mitigation Action Plan or other plan? Yes ☒ No ☐  
(Potential) Source of Funding FIF, local  
Funding Dedicated? Yes ☐ No ☒



## Have the flood risk and flood reduction impacts been evaluated?

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

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## 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

- |  |   |
|--|---|
| <input type="checkbox"/> Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.) | <input type="checkbox"/> No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems) |
| <input type="checkbox"/> Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)  | <input checked="" type="checkbox"/> 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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$1,442,000	Study Sponsor:	City of Alton
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	City of Alton
Time to complete?		Included in a Hazard Mitigation	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>



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 ☐

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

FMP ID: 153000007

### FMP Description

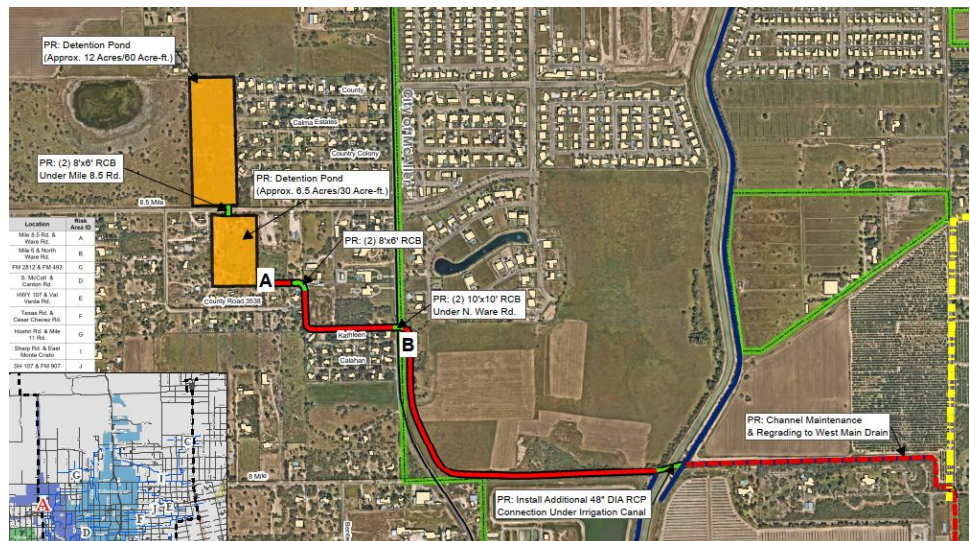
Approximately 1 mile of proposed channel improvements. Proposed culverts. Proposed Detention Ponds with pond north of Mile 8.5 Rd. to collect runoff from the west and has an approximate footprint of 12 acres and storage capacity of 60 acre-ft and will outfall south towards the pond south of Mile 8.5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

### Project Type

- ☒ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ 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,**  
**12110279**  
HUC 12 **121102080400,**  
**121102070100,**  
**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 ☐  
Notes:  
Frequency of flooding:  
# of structures inundated  
Miles inundated?  
Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$9,272,000  
Non-recurring Non-capital Cost (include in Total above):  
Estimated year to start:  
Time to complete?  
Funding Dedicated? Yes ☐ No ☒  
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 Action Plan or other plan? 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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input checked="" type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                     | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

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

FMP ID: 153000008

### FMP Description

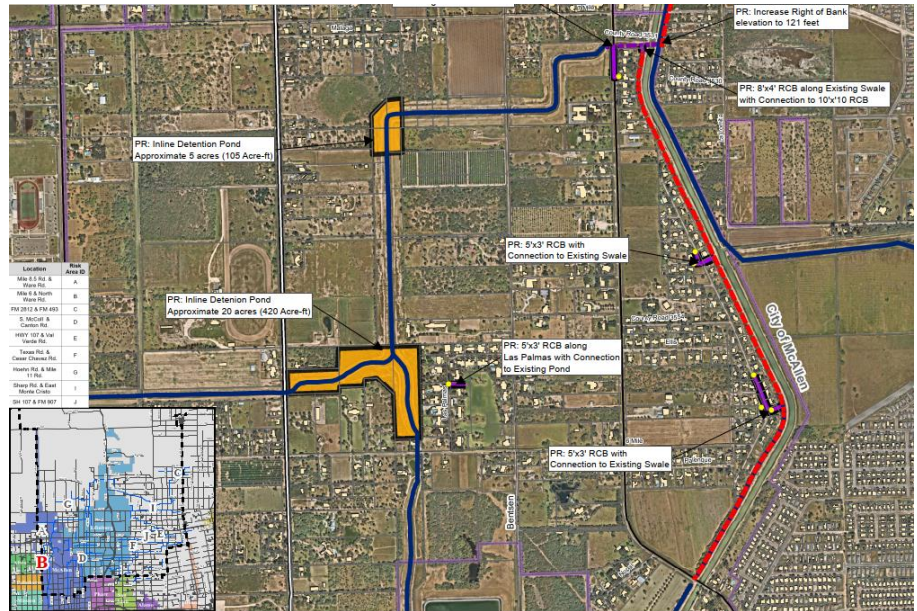
Regional Detention Facilities with a pond footprint of 25 acres along the Existing HCDD1 West Main Drain. Storm Drain and Local Drainage Improvements. Channel maintenance.

### Project Type

- ☐ Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.)
- ☐ 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	<b>Hidalgo</b>
HUC 8	<b>12110207,</b> <b>12110280</b>
HUC 12	<b>121102080400,</b> <b>121102070100,</b> <b>121102080200,</b> <b>121102080200</b>
Study Area (sq. mi.)	<b>N/A</b>



### Emergency Need

Yes ☒ No ☐

### Known Flood Risk

History of Flooding?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>
Notes:			

### Project Costs

Total Cost:	\$10,459,500	Study Sponsor:	Hidalgo County Precinct 4
Non-recurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
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 <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 ☐



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

FMP ID: 153000009

### FMP Description

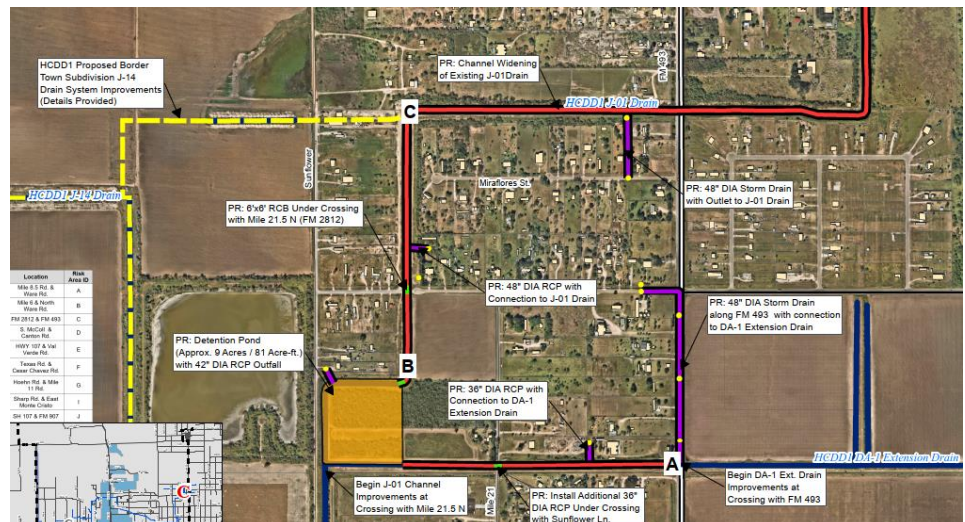
Channel Improvements (Widening & Regrading) to Existing J-01 Drain with approximately 1.5 miles of proposed improvements. Channel Improvements (Channel Maintenance & Flowline Regrading) to Existing DA-1 Ext. Drain with approximately 0.4 miles of proposed improvements. Proposed detention pond will have 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	<b>Hidalgo</b>
HUC 8	<b>12110207,</b> <b>12110281</b>
HUC 12	<b>121102080400,</b> <b>121102070100,</b> <b>121102080200,</b> <b>121102080200</b>
Study Area (sq. mi.)	<b>N/A</b>



### Emergency Need

Yes ☒ No ☐

### Known Flood Risk

History of Flooding?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$6,807,120	Study Sponsor:	Hidalgo County Precinct 4
Non-recurring 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

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event</li> <li><input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain</li> <li><input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program</li> <li><input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs</li> <li><input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards</li> <li><input type="checkbox"/> Increase participation in the regional flood planning process</li> <li><input checked="" type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program</li> <li><input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use</li> <li><input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website</li> <li><input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations</li> <li><input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts</li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards</li> <li><input type="checkbox"/> Develop and maintain an operational stormwater asset management plan</li> <li><input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region</li> <li><input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list</li> <li><input type="checkbox"/> 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</li> <li><input type="checkbox"/> Increase use of nature-based flood risk reduction projects</li> <li><input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger</li> <li><input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure</li> <li><input type="checkbox"/> 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</li> <li><input type="checkbox"/> 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</li> </ul> |
|---|---|

### RFPG Recommended

☒ Yes ☐ No

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

FMP ID: 153000010

### FMP Description

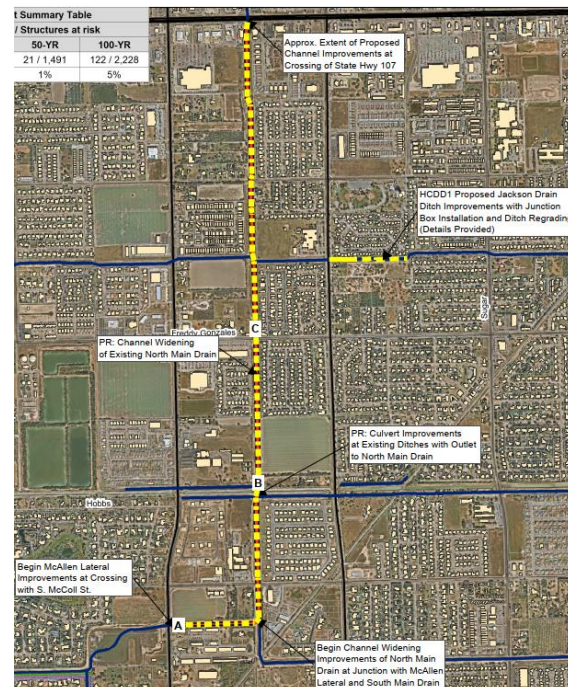
Channel Improvements (Widening & Regrading) to Existing McAllen Lateral & North Main Drain with approximately 2.25 miles of proposed improvements from S McColl St. to State Highway 107. Crossings at W Canton Rd., W Freddy Gonzalez Dr., and W Sprague St. were all evaluated up to the 25-year design storm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

Frequency of flooding:  
# of structures inundated  
Miles inundated?  
Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$3,097,000  
Non-recurring 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 ☐



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 ☐

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

FMP ID: 153000011

### FMP Description

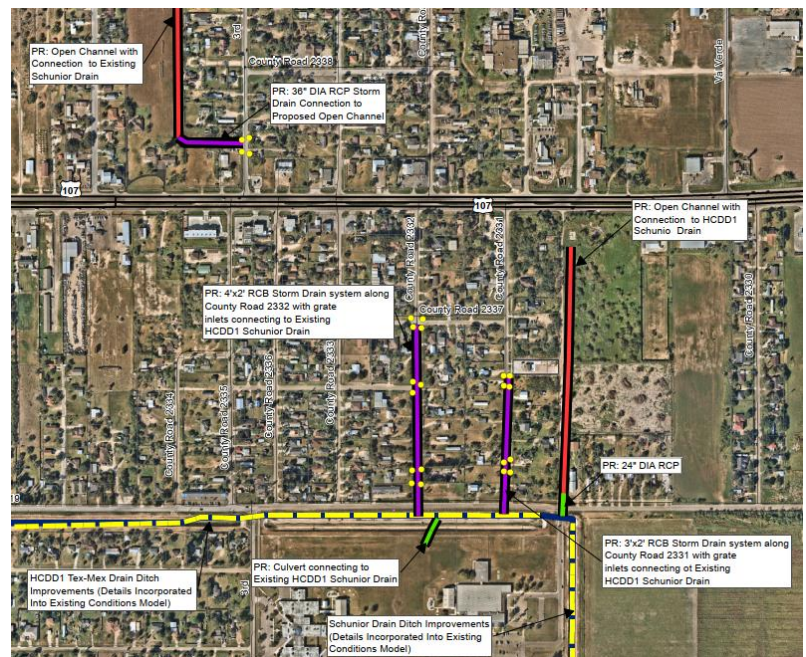
Channel Improvements with approximately 0.3 miles of proposed improvements. Proposed detention pond north of Tex-Mex Rd. and east of S 87th St. has an approximate footprint of 4.25 acres and capacity of 20 acre-ft. Grate Inlets and Proposed Storm Drain 5'x5' grate inlets spaced along every 500' of storm 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	<b>Hidalgo</b>
HUC 8	<b>12110207,</b> <b>12110283</b>
HUC 12	<b>121102080400,</b> <b>121102070100,</b> <b>121102080200,</b> <b>121102080200</b>
Study Area (sq. mi.)	<b>N/A</b>



### Emergency Need

Yes ☒ No ☐

### Known Flood Risk

History of Flooding? Yes ☒ No ☐  
 Population at Risk  
 Roadways flooded Yes ☒ No ☐  
 Critical Facilities Impacted Yes ☐ No ☐  
 Notes:

Frequency of flooding:  
 # of structures inundated  
 Miles inundated?  
 Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$4,300,730  
 Non-recurring 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 ☐

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 ☐



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

FMP ID: 153000012

### FMP Description

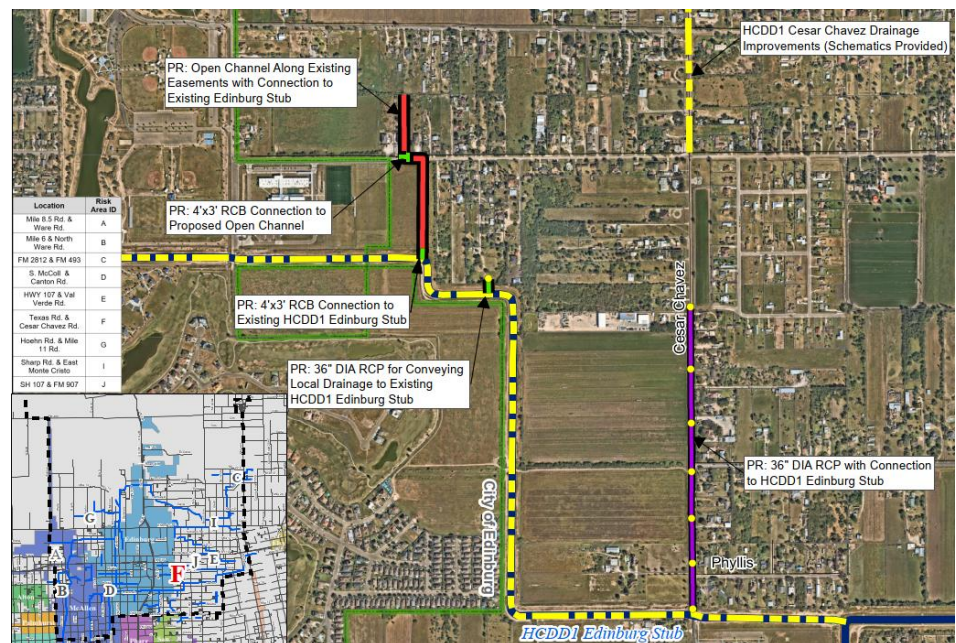
Channel Improvements with approximately 0.6 miles of proposed improvements. Grate Inlets and Proposed Storm Drain with grate inlets in sag spaced along every 500' tying into a 42" RCP along Cesar Chavez Road starting at just south of Texas Rd to the Curry Drain. Culvert Improvements with connections 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.)
- ☐ 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	<b>Hidalgo</b>
HUC 8	<b>12110207,</b> <b>12110284</b>
HUC 12	<b>121102080400,</b> <b>121102070100,</b> <b>121102080200,</b> <b>121102080200</b>
Study Area (sq. mi.)	<b>N/A</b>



### Emergency Need

Yes ☒ No ☐

### Known Flood Risk

History of Flooding?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$4,721,500	Study Sponsor:	Hidalgo County Precinct 4
Non-recurring 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? (Potential) Source of Funding Yes ☒ No ☐  
 Funding Dedicated? Yes ☐ No ☒ 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 ☐

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

FMP ID: 153000013

### 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.)
- ☐ 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

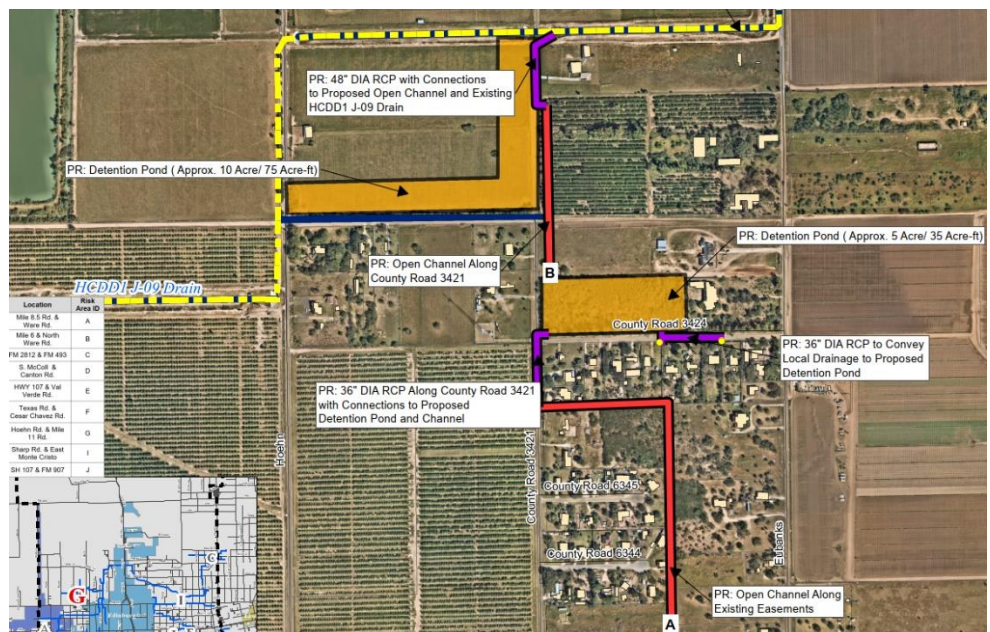
City/ Cities

County/ Counties **Hidalgo**

HUC 8 **12110207,**  
**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 ☐  
Population at Risk Yes ☒ No ☐  
Roadways flooded Yes ☐ No ☐  
Critical Facilities Impacted Yes ☐ No ☐

Notes:

Frequency of flooding:  
# of structures inundated  
Miles inundated?  
Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$5,231,130  
Non-recurring 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 ☐



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 ☐

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

FMP ID: 153000014

### FMP Description

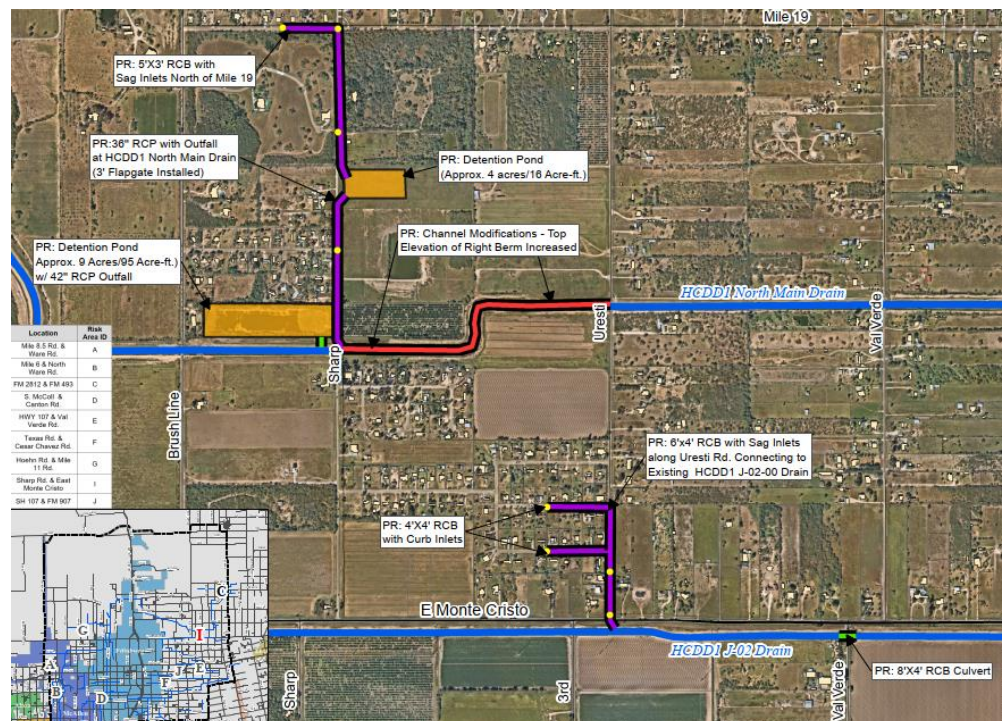
Inlets and proposed storm drain with Approximately 1,100' of 4'x4' RCB storm drain with curb inlets to be installed along Hendrix Dr. and Gaston Cr. with approximately 1,200' of 6'x4' RCB storm with grate and sag inlets along Uresti Rd. with connection to the HCDD1 J-02 Drain. Proposed installation of 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.)
- ☐ 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	<b>Hidalgo</b>
HUC 8	<b>12110207,</b>
	<b>12110286</b>
HUC 12	<b>121102080400,</b>
	<b>121102070100,</b>
	<b>121102080200,</b>
	<b>121102080200</b>
Study Area (sq. mi.)	<b>N/A</b>



### Emergency Need

Yes ☒ No ☐

### Known Flood Risk

History of Flooding?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$5,174,170	Study Sponsor:	Hidalgo County Precinct 4
Non-recurring 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 ☐  
Action Plan or other plan?  
 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 ☐



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

FMP ID: 153000015

### 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.)
- ☐ 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,**  
**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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$3,116,000	Study Sponsor:	Hidalgo County Precinct 4
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	Hidalgo County Precinct 4

Time to complete? Included in a Hazard Mitigation Yes ☒ No ☐  
Action Plan or other plan?  
 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 ☐

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

FMP ID: 153000016

### FMP Description

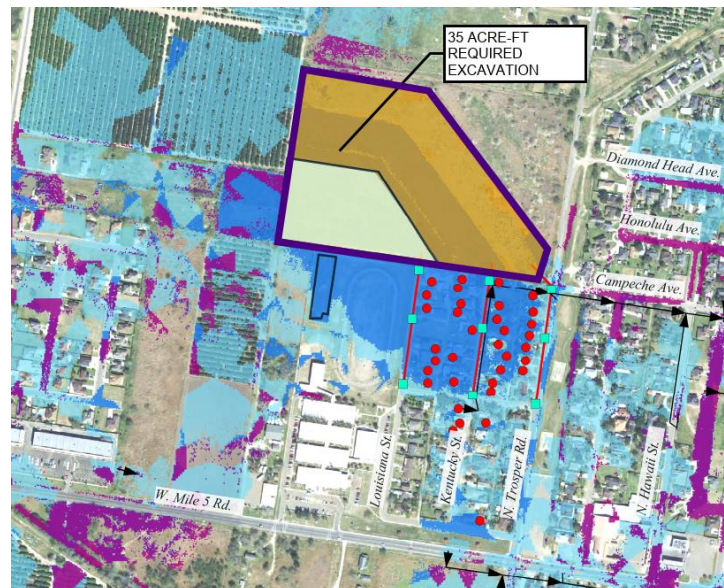
Alternative 2 is designed to remove structures from the 10-year floodplain. Approximately 35 acre-feet of volume is proposed to be excavated. construction consists of 1,940 LF of 36-inch diameter pipe sloped at 0.2% along Louisiana, Kentucky, and Trosper Road out falling directly into the retention pond, 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.)
- ☐ 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,**  
**12110208**  
HUC 12 **121102080200,**  
**121102080300**  
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 ☐

Notes:

Frequency of flooding:  
# of structures inundated  
Miles inundated?  
Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$1,866,360  
Non-reoccurring Non-capital  
Cost (include in Total above):  
Estimated year to start:  
Time to complete?  
Funding Dedicated? Yes ☐ No ☒

Study Sponsor: City of Alton  
*These are one-time costs for program development, education campaign, and non-engineering study costs.*  
Entity with Oversight City of Alton  
Included in a Hazard Mitigation 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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input checked="" type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                     | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

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

FMP ID: 153000017

### 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.)
 ☐ 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

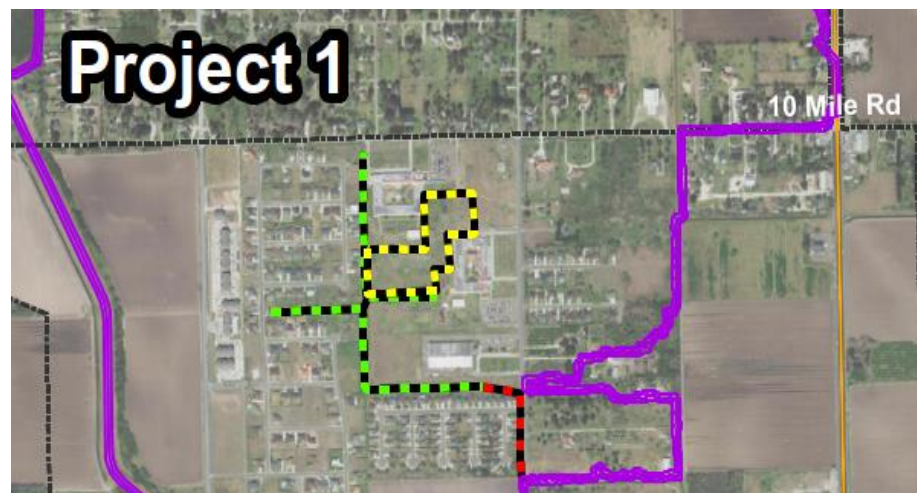
City/ Cities

County/ Counties **Hidalgo**

HUC 8 **12110207,**  
**12110230**

HUC 12 **121102080100,**  
**121102080300**

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 ☐

Notes:

Frequency of flooding:  
# of structures inundated  
Miles inundated?

Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$3,975,700

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

Estimated year to start:

Time to complete?

Funding Dedicated? Yes ☐ No ☒

Study Sponsor: City of Weslaco

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

Entity with Oversight City of Weslaco

Included in a Hazard Mitigation Action Plan or other plan? 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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event   | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input checked="" type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                     | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐



## Weslaco Stormwater Improvement Plan - Westgate Drive and Sugar Cane Drive

### FMP Description

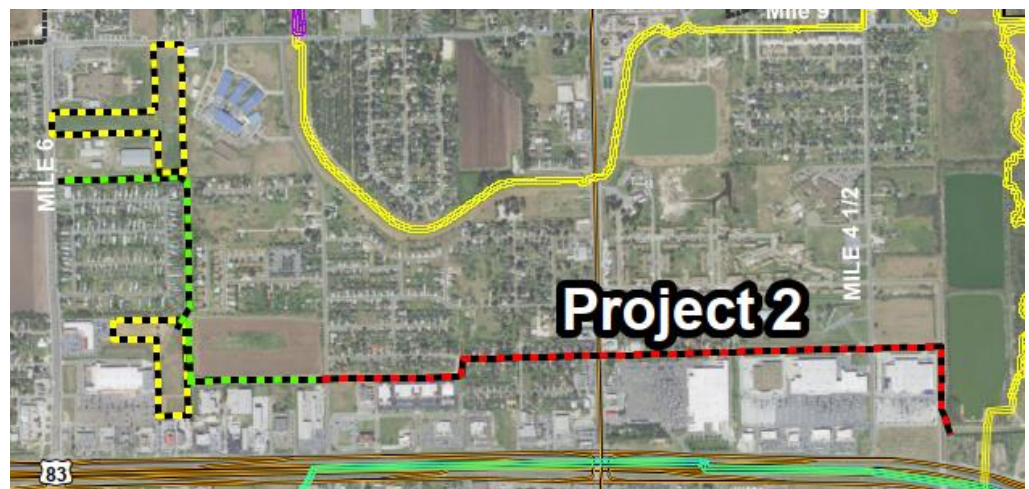
Construction of two detention ponds, 11 acres near Clecker-Heald Elementary School and 8 acres behind the commercial properties north of Interstate 2, approximately 4,500 LF of channel widening connecting the two ponds, addition of a new 42-inch reinforced concrete pipe (RCP) culvert east of Border Avenue, 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 Miles inundated?  
Critical Facilities Impacted Yes ☐ No ☐ Agricultural Land impacted Yes ☐ No ☐

Notes:

### Project Costs

Total Cost: \$9,936,170 Study Sponsor: City of Weslaco  
Non-reoccurring Non-capital *These are one-time costs for program development, education campaign, and non-engineering study costs.*  
Cost (include in Total above):  
Estimated year to start:  
Time to complete? Entity with Oversight City of Weslaco  
Included in a Hazard Mitigation Action Plan or other plan? Yes ☒ No ☐  
(Potential) Source of Funding FIF, local  
Funding Dedicated? Yes ☐ No ☒

## Have the flood risk and flood reduction impacts been evaluated?

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

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input checked="" type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                     | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## Weslaco Stormwater Improvement Plan - West Weslaco

FMP ID: 153000019

### FMP Description

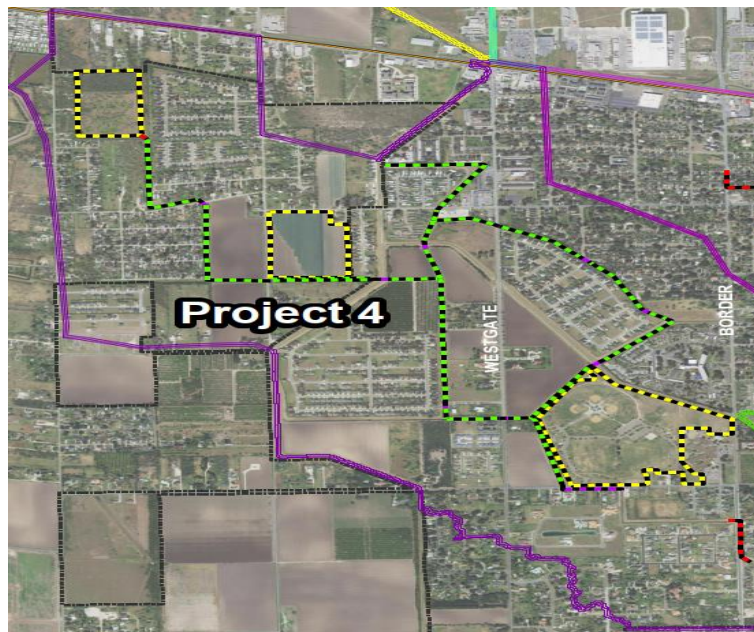
The project is located just west of Border Avenue, between US 83 and Zelma Street. Construction of three detention ponds, 18 acres east of Vaughn Road and Midway Road, 26 acres near West 6th Street and Milano Road and 60 acres at Harlon Block Sports Complex, approximately 17,000 LF of channel widening 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.) ☐ 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,**  
**12110233**  
HUC 12 **121102080100,**  
**121102080300**  
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 ☐

Notes:

Frequency of flooding:  
# of structures inundated  
Miles inundated?  
Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$37,305,800  
Non-reoccurring Non-capital  
Cost (include in Total above):  
Estimated year to start:  
Time to complete?  
Funding Dedicated? Yes ☐ No ☒

Study Sponsor: City of Weslaco  
*These are one-time costs for program development, education campaign, and non-engineering study costs.*  
Entity with Oversight City of Weslaco  
Included in a Hazard Mitigation 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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input checked="" type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                     | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

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

FMP ID: 153000020

### FMP Description

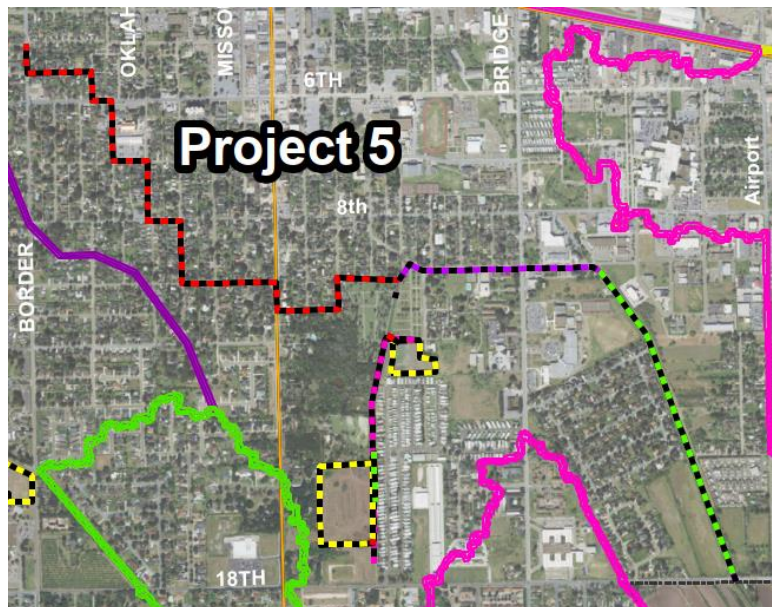
Replacement of 48 – inch culverts at two roadway crossings with 6' x 4' RCBs.

### 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 ☐

Population at Risk Yes ☒ No ☐

Roadways flooded Yes ☒ No ☐

Critical Facilities Impacted Yes ☐ No ☐

Notes:

Frequency of flooding:

# of structures inundated

Miles inundated?

Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$1,585,580

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

Estimated year to start:

Time to complete?

Funding Dedicated? Yes ☐ No ☒

Study Sponsor: City of Weslaco

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

Entity with Oversight City of Weslaco

Included in a Hazard Mitigation 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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input checked="" type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                     | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## Weslaco Stormwater Improvement Plan - Pleasantview Drive and 11th Street

FMP ID: 153000021

### 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.)
- ☐ 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,**

**12110228**

HUC 12 **121102080100,**

**121102080300**

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



### Emergency Need

Yes ☒ No ☐

### Known Flood Risk

History of Flooding? Yes ☒ No ☐

Population at Risk Yes ☒ No ☐

Roadways flooded Yes ☒ No ☐

Critical Facilities Impacted Yes ☐ No ☐

Notes:

Frequency of flooding:

# of structures inundated

Miles inundated?

Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$4,775,000

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

Estimated year to start:

Time to complete?

Study Sponsor: City of Weslaco

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

Entity with Oversight City of Weslaco  
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 ☐

## Weslaco Stormwater Improvement Plan - South International Boulevard and Business 83

FMP ID: 153000022

### FMP Description

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

### Project Type

- |  |   |
|--|---|
| <input type="checkbox"/> Structural Project (retention/ detention, levees, channelization, dams, low water crossing, flow structures, reservoirs, storm drainage improvements, etc.) | <input type="checkbox"/> No Structural Projects (Property easement acquisitions, elevation of structures, flood-proofing, early warn systems) |
| <input type="checkbox"/> Nature Based (Structural) Projects (wetlands, bioswales, river restorations, etc.)  | <input checked="" type="checkbox"/> Infrastructure  |

### Project Area

City/ Cities

County/ Counties **Hidalgo**

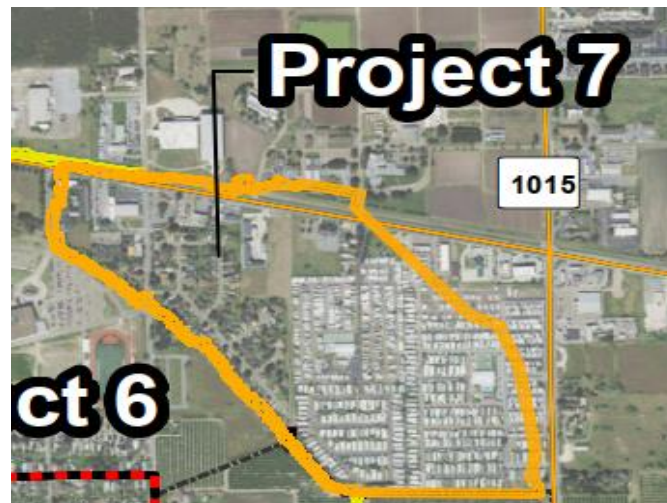
HUC 8 **12110207,**

**12110231**

HUC 12 **121102080100,**

**121102080300**

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



### Emergency Need

Yes ☒ No ☐

### Known Flood Risk

History of Flooding?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>
Notes:			

### Project Costs

Total Cost:	\$93,808	Study Sponsor:	City of Weslaco
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	City of Weslaco
Time to complete?		Included in a Hazard Mitigation	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 ☐

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

FMP ID: 153000023

### 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.)
 ☐ 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

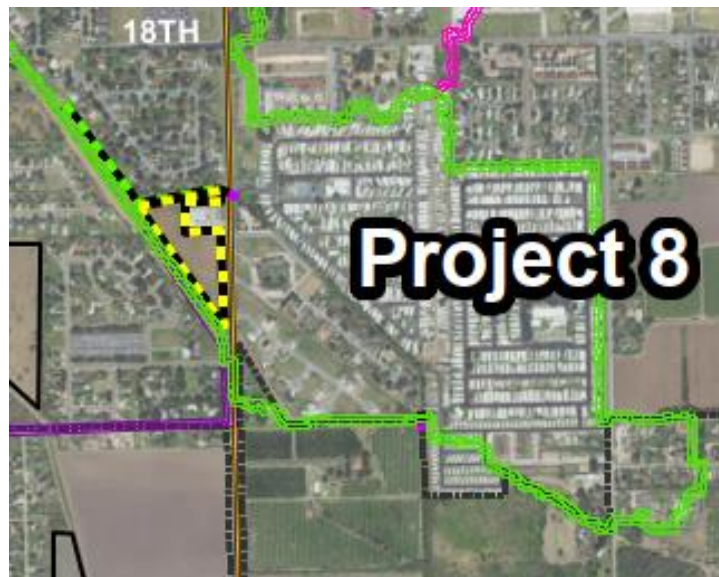
City/ Cities

County/ Counties **Hidalgo**

HUC 8 **12110207,**  
**12110214**

HUC 12 **130800020703,**  
**130800020702**

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



### Emergency Need

Yes ☒ No ☐

### Known Flood Risk

History of Flooding? Yes ☒ No ☐

Population at Risk Yes ☒ No ☐

Roadways flooded Yes ☒ No ☐

Critical Facilities Impacted Yes ☐ No ☐

Notes:

Frequency of flooding:  
# of structures inundated  
Miles inundated?  
Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$1,585,580

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

Estimated year to start:

Time to complete?

Funding Dedicated? Yes ☐ No ☒

Study Sponsor: Weslaco

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

Entity with Oversight Weslaco

Included in a Hazard Mitigation Action Plan or other plan? 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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event   | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input checked="" type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                     | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## North Pharr Mitigation Project

FMP ID: 153000024

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

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 ☐

## Southwest Pharr Drainage Mitigation Project

FMP ID: 153000025

### FMP Description

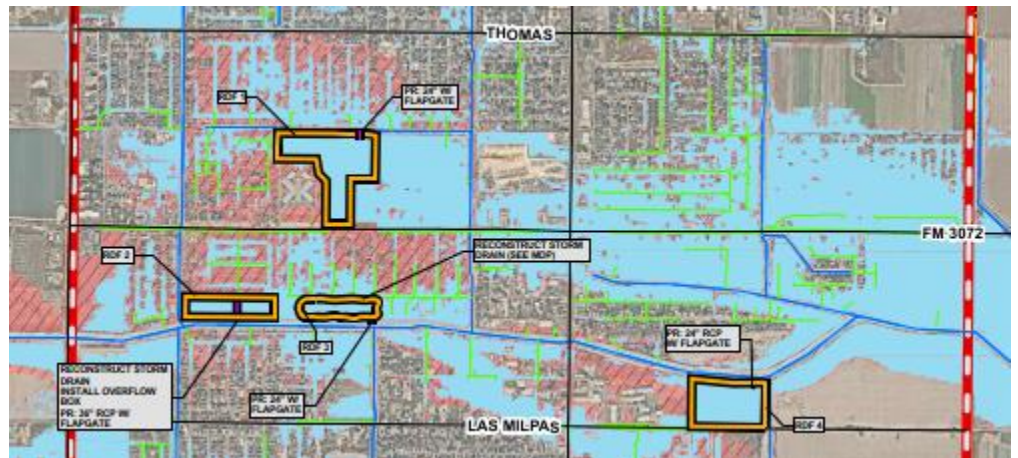
Construct four regional detention facilities (RDF). RDF 1 has a footprint of 19.75-acres and is a lateral detention facility located between Dicker and Thomas Road west of Highway 281 and near Carmen Anaya Elementary. RDF 2 has a footprint of 7.4-acres and located in the western section of Jones Box 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.)
- ☐ 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,**  
**12110227**  
HUC 12 **121102080100,**  
**121102080300,**  
**130900020311**  
Study Area (sq. mi.) **0.07**



### Emergency Need

Yes ☒ No ☐

### Known Flood Risk

History of Flooding?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$5,587,280	Study Sponsor:	City of Pharr
Non-recurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
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 <input checked="" type="checkbox"/> No <input type="checkbox"/>



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 ☒

## Zacate Creek Channel Improvements

FMP ID: 153000026

### FMP Description

**Zacate Creek Channel Improvements.**

### 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 **Laredo**

County/ Counties **Webb**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$700,000	Study Sponsor:	City of Laredo
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	City of Laredo
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Funding Dedicated?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

NM-110

FMP ID: 153000027

## FMP Description

Project includes an extension of 8'x4' RCB upstream to increase conveyance across McColl Road. Also, replacing existing crossings at Utility (30- in RCP), Mon Mack (36-in RCP), and Saker (36-in RCP) into 7'x4x RCB, 7'x4' RCB and 2-36-in RCP, respectively.

## 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 **Edinburg**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

## Project Costs

Total Cost:	\$906,348	Study Sponsor:	Hidalgo County Drainage District #1
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	Hidalgo County Drainage District #1
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>



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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

### Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

### RFPG Recommended

Yes ☒ No ☐

NM-116

FMP ID: 153000028

## FMP Description

Project includes replacing existing crossing at Wisconsin (2-36-in RCP) into 6'x5' RCB.

## 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 **Edinburg**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

## Project Costs

Total Cost:	\$567,270	Study Sponsor:	Hidalgo County Drainage District #1
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	Hidalgo County Drainage District #1
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>



NM-115

FMP ID: 153000029

## FMP Description

Project includes replacing existing crossing at Wisconsin (7'x8' RCB), Alberta (8'x9' RCB), Utility (8'x7' RCB), Dove (7'x6' RCB), Violet (6'x5' RCB), Utility (6'x4' RCB), and Utility (6'x4') into 2-7'x8' RCB, 2-8'x9' RCB, 2-8'x7' RCB, 2-7'x6' RCB, 10'x8' RCB, 2-6'x4' RCB and 2-6'x4' RCB, respectively. Include in plan.

## 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 **Edinburg**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

## Project Costs

Total Cost:	\$1,937,485	Study Sponsor:	Hidalgo County Drainage District #1
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	Hidalgo County Drainage District #1
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>



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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

### Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

### RFPG Recommended

Yes ☐ No ☒



NM-113

FMP ID: 153000030

## FMP Description

Replace 5' x 4' RCB along Jackson Road with 2 - 5' X 4' RCB and replace the current 5' X 4' RCB along the Railroad with a new 5' X 4' RCB. On Sugar Road increase the size of the culvert 18" RCB to a 42" RCB. Nothing there include in plan - irrigation district is doing concrete lining and city has not been involved.

## 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 **Edinburg**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

## Project Costs

Total Cost:	\$643,285	Study Sponsor:	Hidalgo County Drainage District #1
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	Hidalgo County Drainage District #1
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

### Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

### RFPG Recommended

Yes ☒ No ☐



NM-105

FMP ID: 153000031

## FMP Description

Project includes a lateral ditch with a 10-foot bottom width, 3:1 (H:V) side slopes, and 8-foot depth, Also, replacing existing crossings at McColl (30-in RCP), Monument Mack (30-in RCP), and Hoehn (18-in RCP) into 5'x5' RCB, 6'x4' RCB and 48-in RCP respectively. Get included in plan.

## 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 **Edinburg**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

## Project Costs

Total Cost:	\$912,279	Study Sponsor:	Hidalgo County Drainage District #1
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	Hidalgo County Drainage District #1
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

### Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

### RFPG Recommended

Yes ☒ No ☐

NM-106

FMP ID: 153000032

## FMP Description

Project includes extending west with a 10-foot bottom width, 3:1 (H:V) side slopes, and 8-foot depth as well as replacing existing crossing at McColl (36-in RCP) and Access (36-in RCP) into 2-36-in RCP each. plan

## 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 **Edinburg**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

## Project Costs

Total Cost:	\$693,610	Study Sponsor:	Hidalgo County Drainage District #1
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	Hidalgo County Drainage District #1
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

### Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

### RFPG Recommended

Yes ☐ No ☒





## Drain C-Right Culvert Improvements

### FMP Description

This alternative proposes to add 3 – 72” pipes to the 54” pipe existing along Paso Real Highway (formerly Helen Moore Road) from south of the railroad to north of Business 77. Rather than use multiple pipes a single 10’x10’ box culvert is proposed with 3 – 72” CMPs under the railroad track.

### 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 **Cameron**

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 ☐  
Population at Risk  
Roadways flooded Yes ☒ No ☐  
Critical Facilities Impacted Yes ☐ No ☐  
Notes:

Frequency of flooding:  
# of structures inundated  
Miles inundated?  
Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$6,291,880

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

Estimated year to start:

Time to complete?

Study Sponsor: Cameron County Drainage District No. 3

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

Entity with Oversight Cameron County Drainage District No. 3  
Included in a Hazard Mitigation Yes ☒ No ☐  
Action Plan or other plan?



## Drain F-23 Culvert Improvements

FMP ID: 153000034

### FMP Description

Replace existing 48" RCP at Williams Road and 36" RCP at Irene Street with 6'x6' RCB. See 2010 ESPEY 6.2.7 Alternative 7. page 41

### 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 **Cameron**

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 ☐

Population at Risk Yes ☒ No ☐

Roadways flooded Yes ☒ No ☐

Critical Facilities Impacted Yes ☐ No ☐

Notes:

Frequency of flooding:

# of structures inundated

Miles inundated?

Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$363,667

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

Estimated year to start:

Time to complete?

Funding Dedicated? Yes ☐ No ☒

Study Sponsor: Cameron County Drainage District No. 3

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

Entity with Oversight Cameron County Drainage District No. 3

Included in a Hazard Mitigation 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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

- Yes ☐ No ☒



NM-103

FMP ID: 153000035

## FMP Description

Replace culverts on Access Road and Monte Cristo with 10'X6' RCB and relace 36" RCP on Rogers, Utility - Canal and Russell with 8' X 6' RCB for Rogers. 6' x 6' RCB for Utility - Canal and 48" RCP for Russell. Get included in plan

## 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 **Edinburg**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

## Project Costs

Total Cost:	\$2,047,160	Study Sponsor:	Hidalgo County Drainage District #1
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	Hidalgo County Drainage District #1
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>



NM-102

FMP ID: 153000036

## FMP Description

Project includes expansion of HCDD1 Lull Drain and addition of laterals NM-102-01, NM-102-02, and NM-102-03. Should happen 2023 development ongoing and city will participate to make it happen.

## 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 **Edinburg**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

## Project Costs

Total Cost:	\$4,756,150	Study Sponsor:	Hidalgo County Drainage District #1
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	Hidalgo County Drainage District #1
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>



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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☐ No ☒



## Drain D Channel Improvements

FMP ID: 153000037

### FMP Description

#### Drain D Channel Improvements

### 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 **Cameron**

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 ☐

Population at Risk Yes ☒ No ☐

Roadways flooded Yes ☒ No ☐

Critical Facilities Impacted Yes ☐ No ☐

Notes:

Frequency of flooding:

# of structures inundated

Miles inundated?

Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$3,756,840

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

Estimated year to start:

Time to complete?

Funding Dedicated? Yes ☐ No ☒

Study Sponsor: Cameron County Drainage District No. 3

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

Entity with Oversight Cameron County Drainage District No. 3

Included in a Hazard Mitigation 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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

- Yes ☐ No ☒





NM-108

FMP ID: 153000038

## FMP Description

Replace 10' x 6' RCB with a 48" RCP along Jackson Road crossing to increase conveyance of the ditch system. Plan

## 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 **Edinburg**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

## Project Costs

Total Cost:	\$4,689,680	Study Sponsor:	Hidalgo County Drainage District #1
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	Hidalgo County Drainage District #1
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

### Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

### RFPG Recommended

Yes ☐ No ☒



NM-109

FMP ID: 153000039

## FMP Description

Enlarge 36" RCP along culvert to 48" RCP to increase the conveyance capacity of the ditch system. Include in the plan.

## 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 **Edinburg**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

## Project Costs

Total Cost:	\$1,247,580	Study Sponsor:	Hidalgo County Drainage District #1
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	Hidalgo County Drainage District #1
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

### Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

### RFPG Recommended

Yes ☐ No ☒





## Alt\_RetireeHeaven

FMP ID: 153000040

## FMP Description

Alt\_RetireeHeaven\_S10th

## 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 **McAllen**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>
Notes:			

## Project Costs

Total Cost:	\$4,360,910	Study Sponsor:	McAllen
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	McAllen
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

### Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

### RFPG Recommended

Yes ☐ No ☒



Alt\_West\_107

FMP ID: 153000041

## FMP Description

Alt\_West\_107

## 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 **McAllen**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

## Project Costs

Total Cost:	\$18,678,150	Study Sponsor:	McAllen
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	McAllen
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

### Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

### RFPG Recommended

Yes ☒ No ☐



## 2023 Bond Project 24 - F-13 F02

FMP ID: 153000042

### FMP Description

This project is approximately 4.7 miles of channel improvements includes widening ditches F-13 and F-02 within existing right of way, from Hwy 281 to Floodway Levee.

### 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 ☐

Population at Risk Yes ☒ No ☐

Roadways flooded Yes ☒ No ☐

Critical Facilities Impacted Yes ☐ No ☐

Notes:

Frequency of flooding:

# of structures inundated

Miles inundated?

Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$1,460,000.00

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

Estimated year to start:

Time to complete?

Funding Dedicated? Yes ☐ No ☒

Study Sponsor: Hidalgo County Drainage District No. 1

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

Entity with Oversight Hidalgo County Drainage District No. 1

Included in a Hazard Mitigation 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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## 2018 Bond Project 34 South Lateral

FMP ID: 153000043

### FMP Description

This project proposes three detention pond on the both side of East Las Milpas Rd. The proposed project also includes channel widening. The project cost is approximately \$4,538,852 which resulted in a benefit cost ratio of 0.5.

### 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 **Las Milpas**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$4,538,852.00	Study Sponsor:	Hidalgo County Drainage District No. 1
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	Hidalgo County Drainage District No. 1
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Funding Dedicated?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## 13th Street Regional Detention Facility

FMP ID: 153000044

### FMP Description

13th Street Regional Detention Facility

### 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 **Harlingen**

County/ Counties **Cameron**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$19,812,000	Study Sponsor:	Harlingen
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	Harlingen
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

### Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

### RFPG Recommended

Yes ☒ No ☒



## 3rd Street Regional Detention Facility

FMP ID: 153000045

### FMP Description

3rd Street Regional Detention Facility

### 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 **Harlingen**

County/ Counties **Cameron**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$13,092,000	Study Sponsor:	Harlingen
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	Harlingen
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## System 23 Regional Detention Facility

FMP ID: 153000046

### FMP Description

System 23 Regional Detention Facility

### 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 **Harlingen**

County/ Counties **Cameron**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$1,600,000	Study Sponsor:	Harlingen
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	Harlingen
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## Wilson-Morgan Regional Detention Facility

FMP ID: 153000047

### FMP Description

Wilson-Morgan Regional Detention Facility

### 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 **Harlingen**

County/ Counties **Cameron**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$8,600,000	Study Sponsor:	Harlingen
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	Harlingen
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

### Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

### RFPG Recommended

Yes ☒ No ☐





## Jefferson Regional Detention Facility

FMP ID: 153000048

### FMP Description

Jefferson Regional Detention Facility

### 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 **Harlingen**

County/ Counties **Cameron**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$13,092,000	Study Sponsor:	Harlingen
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	Harlingen
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

### Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

### RFPG Recommended

Yes ☒ No ☐

## West Street 10x10 Box Culvert

FMP ID: 153000049

### FMP Description

West Street 10x10 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 **Harlingen**

County/ Counties **Cameron**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$19,201,000	Study Sponsor:	Harlingen
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	Harlingen
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## Joint Use Irrigation Canal No. 1

FMP ID: 153000050

### FMP Description

Joint Use Irrigation Canal No. 1

### 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 **Harlingen**

County/ Counties **Cameron**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$13,790,000	Study Sponsor:	Harlingen
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	Harlingen
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>



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 ☐

## Floodway Pump Stations (Cantu)

FMP ID: 153000051

### FMP Description

Floodway Pump Stations (Cantu, Main, Parker, Thompson & Adams Gardens)

### 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 **Cameron**

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 ☐

Population at Risk

Roadways flooded Yes ☒ No ☐

Critical Facilities Impacted Yes ☐ No ☐

Frequency of flooding:  
# of structures inundated  
Miles inundated?  
Agricultural Land impacted Yes ☐ No ☐

Notes:

### Project Costs

Total Cost: \$2,360,700

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

Estimated year to start:

Study Sponsor: Cameron County Drainage District No. 6  
*These are one-time costs for program development, education campaign, and non-engineering study costs.*

Entity with Oversight: Cameron County Drainage District No. 6

Time to complete? Included in a Hazard Mitigation Yes ☒ No ☐  
Action Plan or other plan?  
 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 ☐

## Floodway Pump Stations (Main)

FMP ID: 153000052

### FMP Description

The proposed project will involve upgrading five outfalls into the North Floodway with the addition to the construction of new pump stations.

### 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 **Cameron**

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 ☐

Population at Risk

Roadways flooded Yes ☒ No ☐

Critical Facilities Impacted Yes ☐ No ☐

Notes:

Frequency of flooding:

# of structures inundated

Miles inundated?

Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$2,360,700.00

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

Estimated year to start:

Time to complete?

Funding Dedicated? Yes ☐ No ☒

Study Sponsor: Cameron County Drainage District No. 6

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

Entity with Oversight Cameron County Drainage District No. 6

Included in a Hazard Mitigation 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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## Floodway Pump Stations (Thompson)

FMP ID: 153000053

### FMP Description

The proposed project will involve upgrading five outfalls into the North Floodway with the addition to the construction of new pump stations.

### 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 **Cameron**

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 ☐

Population at Risk

Roadways flooded Yes ☒ No ☐

Critical Facilities Impacted Yes ☐ No ☐

Notes:

Frequency of flooding:

# of structures inundated

Miles inundated?

Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$2,360,700.00

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

Estimated year to start:

Time to complete?

Funding Dedicated? Yes ☐ No ☒

Study Sponsor: Cameron County Drainage District No. 6

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

Entity with Oversight Cameron County Drainage District No. 6

Included in a Hazard Mitigation 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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## Floodway Pump Stations (Parker)

FMP ID: 153000054

### FMP Description

The proposed project will involve upgrading five outfalls into the North Floodway with the addition to the construction of new pump stations.

### 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 **Cameron**

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 ☐

Population at Risk

Roadways flooded Yes ☒ No ☐

Critical Facilities Impacted Yes ☐ No ☐

Notes:

Frequency of flooding:

# of structures inundated

Miles inundated?

Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$2,360,700.00

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

Estimated year to start:

Time to complete?

Funding Dedicated? Yes ☐ No ☒

Study Sponsor: Cameron County Drainage District No. 6

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

Entity with Oversight Cameron County Drainage District No. 6

Included in a Hazard Mitigation 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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## Floodway Pump Stations (Adams Gardens)

FMP ID: 153000055

### FMP Description

The proposed project will involve upgrading five outfalls into the North Floodway with the addition to the construction of new pump stations.

### 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 **Cameron**

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 ☐

Population at Risk

Roadways flooded Yes ☒ No ☐

Critical Facilities Impacted Yes ☐ No ☐

Notes:

Frequency of flooding:

# of structures inundated

Miles inundated?

Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$2,360,700.00

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

Estimated year to start:

Time to complete?

Funding Dedicated? Yes ☐ No ☒

Study Sponsor: Cameron County Drainage District No. 6

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

Entity with Oversight Cameron County Drainage District No. 6

Included in a Hazard Mitigation 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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## CCDD6 Project 8

FMP ID: 153000056

### FMP Description

This proposed project will involve creating a new proposed ditch approximately 1,800 feet long within the AN-47 Drain Basin.

### 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 **Cameron**

HUC 8 **12110208**

HUC 12 **121102080600**

Study Area (sq. mi.) **0.1 sq mi**

### Emergency Need

Yes ☐ No ☒

### Known Flood Risk

History of Flooding?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	2-year storm
Population at Risk	~ 6940 people	# of structures inundated	462
Roadways flooded	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Notes:			

### Project Costs

Total Cost:	\$1,448,260	Study Sponsor:	Cameron County Drainage District 6
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:	2026	Entity with Oversight	Cameron County Drainage District 6
Time to complete?	5 years	Included in a Hazard Mitigation Action Plan or other plan?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Funding Dedicated?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(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 <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Will permits or interlocal agreements be needed for this project? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## CCDD6 Project 9

FMP ID: 153000057

### FMP Description

This proposed project will involve constructing a new ditch and several drainage structures that will connect a combination of existing ditches, some of which drain to Tio Cano Lake and redirect them to outfall to Parker Drain.

### 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 **Cameron**

HUC 8 **12110208**

HUC 12 **121102080600**

Study Area (sq. mi.) **0.1 sq mi**

### Emergency Need

Yes ☐ No ☒

### Known Flood Risk

History of Flooding?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	10-year storm
Population at Risk	~ 6940 people	# of structures inundated	462
Roadways flooded	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Notes:			

### Project Costs

Total Cost:	\$1,172,960	Study Sponsor:	Cameron County Drainage District 6
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:	2026	Entity with Oversight	Cameron County Drainage District 6
Time to complete?	5 years	Included in a Hazard Mitigation Action Plan or other plan?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Funding Dedicated?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(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 <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Will permits or interlocal agreements be needed for this project? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## CCDD6 Project 10

FMP ID: 153000058

### FMP Description

This proposed project will involve constructing a new ditch and several drainage structures that will connect a combination of existing ditches, some of which drain to Tio Cano Lake and redirect them to outfall to Parker Drain.

### 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 **Cameron**

HUC 8 **12110208**

HUC 12 **121102080600**

Study Area (sq. mi.) **0.1 sq mi**

### Emergency Need

Yes ☐ No ☒

### Known Flood Risk

History of Flooding?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	2-year storm
Population at Risk	~ 6940 people	# of structures inundated	462
Roadways flooded	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Notes:			

### Project Costs

Total Cost:	\$1,240,405	Study Sponsor:	Cameron County Drainage District 6
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:	2026	Entity with Oversight	Cameron County Drainage District 6
Time to complete?	5 years	Included in a Hazard Mitigation Action Plan or other plan?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Funding Dedicated?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(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 <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Will permits or interlocal agreements be needed for this project? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

- Yes ☒ No ☐

## CCDD6 Project 11

FMP ID: 153000059

### FMP Description

This proposed project will involve widening approximately 34,000 feet of the existing Parker Drain, which at its current configuration is inadequate to convey the larger storm events that have plagued the region.

### 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 **Cameron**

HUC 8 **12110208**

HUC 12 **121102080600**

Study Area (sq. mi.) **0.06 sq mi**

### Emergency Need

Yes ☐ No ☒

### Known Flood Risk

History of Flooding?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	2-year storm
Population at Risk	~ 6940 people	# of structures inundated	462
Roadways flooded	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Notes:			

### Project Costs

Total Cost:	\$9,462,892	Study Sponsor:	Cameron County Drainage District 6
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:	2026	Entity with Oversight	Cameron County Drainage District 6
Time to complete?	5 years	Included in a Hazard Mitigation Action Plan or other plan?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Funding Dedicated?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(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 <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Will permits or interlocal agreements be needed for this project? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐



## CCDD6 Project 12

FMP ID: 153000060

### FMP Description

This proposed project will involve widening approximately 16,450 feet of the existing Main Drain, which at its current configuration is inadequate to convey the larger storm events that have plagued the region.

### 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 **Cameron**

HUC 8 **12110208**

HUC 12 **121102080600**

Study Area (sq. mi.) **0.03 sq mi**

### Emergency Need

Yes ☐ No ☒

### Known Flood Risk

History of Flooding?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	2-year storm
Population at Risk	~ 6940 people	# of structures inundated	462
Roadways flooded	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Notes:			

### Project Costs

Total Cost:	\$4,355,820	Study Sponsor:	Cameron County Drainage District 6
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:	2026	Entity with Oversight	Cameron County Drainage District 6
Time to complete?	5 years	Included in a Hazard Mitigation Action Plan or other plan?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Funding Dedicated?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(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 <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Will permits or interlocal agreements be needed for this project? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## CCDD6 Project 13

FMP ID: 153000061

### FMP Description

This proposed project will help establish a Regional Detention Facility (RDF) at the outfall of the Main Drain.

### 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 **Cameron**

HUC 8 **12110208**

HUC 12 **121102080600**

Study Area (sq. mi.) **0.2 sq mi**

### Emergency Need

Yes ☐ No ☒

### Known Flood Risk

History of Flooding?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	2-year storm
Population at Risk	~ 6940 people	# of structures inundated	462
Roadways flooded	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$7,125,950	Study Sponsor:	Cameron County Drainage District 6
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:	2026	Entity with Oversight	Cameron County Drainage District 6
Time to complete?	5 years	Included in a Hazard Mitigation Action Plan or other plan?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Funding Dedicated?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(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 <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Will permits or interlocal agreements be needed for this project? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## Downtown Pharr Alternative

FMP ID: 153000062

### FMP Description

The proposed improvements include channel widening, benching, clearing, longitudinal grading and will require limited grading outside of the existing R.O.W.

### 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 **Pharr**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$22,210,000.00	Study Sponsor:	City of Pharr
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	City of Pharr
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Funding Dedicated?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

FMP ID: 153000063

## Northeast Pharr Mitigation Project

### FMP Description

**Install 7955-linear feet of reinforced concrete box culvert improvements from Business 83 Street to the PSJA drain. Install curb inlet capture systems approximately every 500-feet across subdivisions and repave roadways.**

### 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 **Pharr**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$14,357,850	Study Sponsor:	City of Pharr
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	City of Pharr
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Funding Dedicated?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

### Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

### RFPG Recommended

Yes ☒ No ☐

## West Main Drain III Extension BP 14

FMP ID: 153000064

### FMP Description

14 miles of channel improvements include constructing and wideing the West Main Drain.

### 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 ☐

Population at Risk

Roadways flooded Yes ☒ No ☐

Critical Facilities Impacted Yes ☐ No ☐

Notes:

Frequency of flooding:  
# of structures inundated  
Miles inundated?  
Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$17,480,000

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

Estimated year to start:

Time to complete?

Study Sponsor: Hidalgo County Drainage District #1

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

Entity with Oversight Hidalgo County Drainage District #1

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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## Mission Inlet BP 13

FMP ID: 153000065

## FMP Description

Channel improvements including widening the pilot channel of the Mission Inlet and improvements at the outfall structure to IBWC Floodway

## 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 **Mission**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

## Project Costs

Total Cost:	\$7,480,000	Study Sponsor:	Hidalgo County Drainage District #1
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	Hidalgo County Drainage District #1
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## Mission-McAllen Drain BP 12

FMP ID: 153000066

### FMP Description

5.3 miles of channel improvements includes widening the Mission-McAllen drain within existing right of way. Install 7955-linear feet of reinforced concrete box culvert improvements from Business 83 Street to the PSJA drain. Install curb inlet capture systems approximately every 500-feet across subdivisions and repave roadways.

### 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 **Mission, McAllen**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$21,110,000	Study Sponsor:	Hidalgo County Drainage District #1
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	Hidalgo County Drainage District #1
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

### Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

### RFPG Recommended

Yes ☒ No ☐



## Palmview Lateral BP 7

FMP ID: 153000067

## FMP Description

1.3 miles of channel improvements includes widening of the Palmview Lateral within existing right of way.

## 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 **Palmview**

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 ☐

Population at Risk

Roadways flooded Yes ☒ No ☐

Critical Facilities Impacted Yes ☐ No ☐

Notes:

Frequency of flooding:  
# of structures inundated  
Miles inundated?  
Agricultural Land impacted Yes ☐ No ☐

## Project Costs

Total Cost: \$5,460,000

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

Estimated year to start:

Time to complete?

Study Sponsor: Hidalgo County Drainage District #1

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

Entity with Oversight: Hidalgo County Drainage District #1

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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

### Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

### RFPG Recommended

Yes ☒ No ☐

## 2023 Bond Project 4 - North Main Drain III & I

FMP ID: 153000068

### FMP Description

For Bond Project 4, North Main Drain III and I, approximately 9 miles of channel improvements are implemented including widening the North Main Drain within the existing right of way, from Monte Cristo Road to J-09 Drain.

### 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 **12110208**

HUC 12

Study Area (sq. mi.) **7.92 sq mi**

### Emergency Need

Yes ☐ No ☒

### Known Flood Risk

History of Flooding?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	10-year storm
Population at Risk	~ 2856 people	# of structures inundated	952
Roadways flooded	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$14,955,300	Study Sponsor:	Hidalgo County Drainage District 1
Non-recurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:	2026	Entity with Oversight	Hidalgo County Drainage District 1
Time to complete?	5 years	Included in a Hazard Mitigation Action Plan or other plan?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Funding Dedicated?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(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 <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Will permits or interlocal agreements be needed for this project? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## Alt\_MilitaryHighway

FMP ID: 153000069

## FMP Description

Alt\_MilitaryHighway

## 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 **McAllen**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

## Project Costs

Total Cost:	\$5,096,223	Study Sponsor:	McAllen
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	McAllen
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

### Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

### RFPG Recommended

Yes ☒ No ☐

## Alamo Expressway Drain Phase 2 BP 21

FMP ID: 153000070

### FMP Description

1.9 miles of channel improvements include excavation of the Alamo Expressway Drain and roadway crossing upgrades from I2 to Cesar Chavez Drain.

### 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 **Alamo**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$1,282,997	Study Sponsor:	Hidalgo County Drainage District #1
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	Hidalgo County Drainage District #1
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>



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 ☐

## Alternate Rado Drain BP 11

FMP ID: 153000071

### FMP Description

2.1 miles of channel improvements includes widening the Alternate Rado Drain within existing right of way.

### 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 ☐

Population at Risk

Roadways flooded Yes ☒ No ☐

Critical Facilities Impacted Yes ☐ No ☐

Notes:

Frequency of flooding:  
# of structures inundated  
Miles inundated?  
Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$4,747,963

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

Estimated year to start:

Time to complete?

Study Sponsor: Hidalgo County Drainage District #1

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

Entity with Oversight Hidalgo County Drainage District #1

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 ☐

## North McAllen Detention Pond

FMP ID: 153000072

### FMP Description

The project proposes 2 detention ponds as well as extending an existing ditch further upstream to connect the two ponds. The main goal of these drainage improvements is to provide relief and remove agricultural land from the 100-year 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 **McAllen**

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 ☐

Population at Risk

Roadways flooded Yes ☒ No ☐

Critical Facilities Impacted Yes ☐ No ☐

Frequency of flooding:  
# of structures inundated  
Miles inundated?

Agricultural Land impacted Yes ☐ No ☐

Notes:

### Project Costs

Total Cost: \$52,567,980

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

Estimated year to start:

Time to complete?

Study Sponsor: City of McAllen

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

Entity with Oversight City of McAllen

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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

### Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

### RFPG Recommended

Yes ☒ No ☐

FMP ID: 153000073

## Drain J01

### FMP Description

The Drain J01 FMP aims to replace the present 24 in RCP with 48 in RCP to divert. The 36 in RCP will be removed/plugged

### 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 **McAllen**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$603,663.00	Study Sponsor:	Hidalgo County Drainage District No. 1
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	Hidalgo County Drainage District No. 1
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Funding Dedicated?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

### Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

### RFPG Recommended

Yes ☒ No ☐

FMP ID: 153000074

## Alton MDP - North Stewart Boulevard Alternative 1

### FMP Description

**Alternative 1 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 Subdiv**

### 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 **Alton**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$23,275,000	Study Sponsor:	City of Alton
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	City of Alton
Time to complete?		Included in a Hazard Mitigation	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 ☐

FMP ID: 153000075

## Olmito Townsite Flood Mitigation Project

### FMP Description

Install storm sewer improvements across US77 to connect to outfall ditch to the east of the Olmito Townsite.

### 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 **Cameron**

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 ☐

Population at Risk

Roadways flooded Yes ☒ No ☐

Critical Facilities Impacted Yes ☐ No ☐

Notes:

Frequency of flooding:

# of structures inundated

Miles inundated?

Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$4,710,994

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

Estimated year to start:

Time to complete?

Funding Dedicated? Yes ☐ No ☒

Study Sponsor: Cameron County

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

Entity with Oversight: Cameron County

Included in a Hazard Mitigation 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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

### Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

### RFPG Recommended

Yes ☒ No ☐

FMP ID: 153000076

## Port Isabel to Brownsville FIF - Project 6 Los Fresnos at East 10th St.

### FMP Description

Four extreme event storm sewer and overflow routing improvements on E 8th, E 9th, and E 10th streets along with a detention pond.

### 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 **Los Fresnos**

County/ Counties **Cameron**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$3,418,230	Study Sponsor:	City of Los Fresnos
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	City of Los Fresnos
Time to complete?		Included in a Hazard Mitigation	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 ☐



FMP ID: 153000077

## Port Isabel to Brownsville FIF - Project 4 Town Resaca at West 5th Street

### FMP Description

Storm sewer improvements near Palm Blvd, W 5th Street, Ebony St, and Ramireno Ln. along with a detention pond.

### 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 **Brownsville**

County/ Counties **Cameron**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$27,101,370	Study Sponsor:	City of Brownsville
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	City of Brownsville
Time to complete?		Included in a Hazard Mitigation	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 ☐

FMP ID: 153000078

## Port Isabel to Brownsville FIF - Project 12 Town Resaca at Washington Park

### FMP Description

**Storm sewer improvements on E Madison St, E 7th St, and E Jackson 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 **Brownsville**

County/ Counties **Cameron**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$7,488,090	Study Sponsor:	City of Brownsville
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	City of Brownsville
Time to complete?		Included in a Hazard Mitigation	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 ☐

FMP ID: 153000079

## Port Isabel to Brownsville FIF - Project 9 North Main Drain and Hwy 69E

### FMP Description

**Detention pond and storm sewer improvements on North Main Drain, west of Price Road and 69E.**

### 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 **Brownsville**

County/ Counties **Cameron**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$27,553,770	Study Sponsor:	City of Brownsville
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	City of Brownsville
Time to complete?		Included in a Hazard Mitigation	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 ☐

FMP ID: 153000080

## Port Isabel to Brownsville FIF - Project 5 Cameron County Ditch 1 at Golf Center

### FMP Description

Channel and roadway crossing improvements on Cameron County Ditch 1 between Pablo Kisel Blvd and Dana Ave. Also includes improvements to a man-made lake spillway and conversion of the city-owned golf course into a multi-use detention pond.

### 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 **Brownsville**

County/ Counties **Cameron**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$78,811,560	Study Sponsor:	City of Brownsville
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	City of Brownsville
Time to complete?		Included in a Hazard Mitigation	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>



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 ☐

FMP ID: 153000081

## Port Isabel to Brownsville FIF - Project 7 Cameron County Ditch 1 at Hwy 69E

### FMP Description

**Channel and roadway crossing improvements on Cameron County Ditch 1 between Laredo Rd and Pablo Kisel Blvd**

### 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 **Brownsville**

County/ Counties **Cameron**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$9,227,220	Study Sponsor:	City of Brownsville
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	City of Brownsville
Time to complete?		Included in a Hazard Mitigation	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 ☐

FMP ID: 153000082

## Port Isabel to Brownsville FIF - Project 3 Cameron County Ditch 1 at Cameron Park

### FMP Description

Five extreme event storm sewer and overflow routing improvements for the Cameron Park neighborhood along Avenida Florencia.

### 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 **Brownsville**  
County/ Counties **Cameron**  
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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$807,360	Study Sponsor:	City of Brownsville
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	City of Brownsville
Time to complete?		Included in a Hazard Mitigation	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 ☐

FMP ID: 153000083

## Port Isabel to Brownsville FIF - Project 2 Cameron County Ditch 1 at Confluence

### FMP Description

Five large detention ponds on Cameron County Ditch 1 (CCD1) between Paredes Ln and Ruben Torress Blvd along with improvements to a culvert crossing on the CCD1 tributary.

### 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 **Brownsville**

County/ Counties **Cameron**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$205,578,400	Study Sponsor:	City of Brownsville
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	City of Brownsville
Time to complete?		Included in a Hazard Mitigation	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 ☐



FMP ID: 153000084

## Port Isabel to Brownsville FIF - Project 11A Los Fresnos West Ocean Blvd

### FMP Description

**Channel and culvert crossing improvements along with a detention pond near TX-100 and Orive Blvd**

### 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 **Los Fresnos**

County/ Counties **Cameron**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$30,206,400	Study Sponsor:	City of Los Fresnos
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	City of Los Fresnos
Time to complete?		Included in a Hazard Mitigation	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 ☐

FMP ID: 153000085

## Port Isabel to Brownsville FIF - Project 11B Los Fresnos West Ocean Blvd

### FMP Description

**Channel and culvert crossing improvements along with a detention pond near TX-100 and Evergreen 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 **Los Fresnos**

County/ Counties **Cameron**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$43,382,552	Study Sponsor:	City of Los Fresnos
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	City of Los Fresnos
Time to complete?		Included in a Hazard Mitigation	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 ☐

## Port Isabel to Brownsville FIF - Project 1A North Main Drain and Imapala Ditch

FMP ID: 153000086

### FMP Description

Channel, culvert road crossing, and pump station improvements on North Main Drain and Impala Ditch between International Blvd and the Impala Pump Station.

### 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 **Brownsville**

County/ Counties **Cameron**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>
Notes:			

### Project Costs

Total Cost:	\$56,748,360	Study Sponsor:	City of Brownsville
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	City of Brownsville

## 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 ☐

## Port Isabel to Brownsville FIF - Project 1B North Main Drain and Four Corners

FMP ID: 153000087

### FMP Description

Channel and culvert improvements along with one detention pond on North Main Drain between Rockwell Dr and Boca Chica Blvd

### 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 **Brownsville**

County/ Counties **Cameron**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>
Notes:			

### Project Costs

Total Cost:	\$53,937,392	Study Sponsor:	City of Brownsville
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	City of Brownsville



Time to complete? Included in a Hazard Mitigation Yes ☒ No ☐  
Action Plan or other plan?  
 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 ☐

## McAllen MDP - Study 1 Monte Cristo Hoen Rd Subdivision

FMP ID: 153000088

### FMP Description

**McAllen MDP - Study 1 Monte Cristo Hoen Rd Subdivision**

### 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 **McAllen**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$22,594,720	Study Sponsor:	City of McAllen
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	City of McAllen
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Funding Dedicated?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## McAllen MDP - Study 3 SH107 East

### FMP Description

**McAllen MDP - Study 3 SH107 East**

### 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 **McAllen**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$15,456,190	Study Sponsor:	City of McAllen
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	City of McAllen
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Funding Dedicated?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

### Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

### RFPG Recommended

Yes ☒ No ☐

FMP ID: 153000090

## McAllen MDP - Study 2 Shary Rd and 6MI Intersection

### FMP Description

**McAllen MDP - Study 2 Shary Rd and 6MI Intersection**

### 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 **McAllen**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$9,474,980	Study Sponsor:	City of McAllen
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	City of McAllen
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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 ☐



FMP ID: 153000091

## McAllen MDP - Study 4 Bentsen Rd

### FMP Description

McAllen MDP - Study 4 Bentsen Rd

### 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 **McAllen**

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	
Population at Risk		# of structures inundated	
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$2,896,781	Study Sponsor:	City of McAllen
Non-reoccurring Non-capital Cost (include in Total above):		<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:		Entity with Oversight	City of McAllen
Time to complete?		Included in a Hazard Mitigation Action Plan or other plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Funding Dedicated?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## Risk Area 12 Fox Borough Drive

FMP ID: 153000092

### 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.)
- ☐ 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**

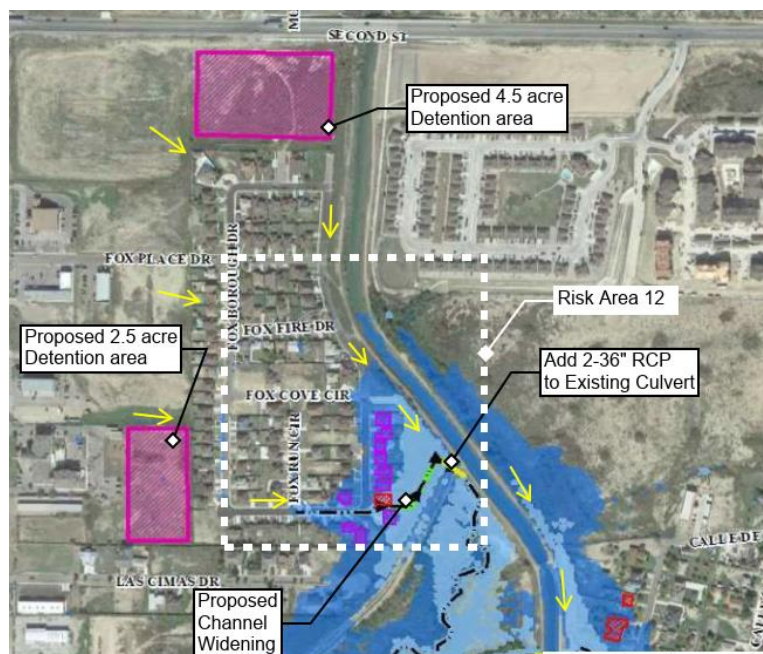
HUC 8 **13080001,**

**13080002**

HUC 12 **130800020703,**

**130800020702**

Study Area (sq. mi.) **0.05**



### Emergency Need

Yes ☒ No ☐

### Known Flood Risk

History of Flooding? Yes ☒ No ☐

Population at Risk Yes ☒ No ☐

Roadways flooded Yes ☒ No ☐

Critical Facilities Impacted Yes ☐ No ☐

Notes:

Frequency of flooding:

# of structures inundated

Miles inundated?

Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$1,185,800

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

Estimated year to start:

Time to complete?

Study Sponsor: City of Eagle Pass

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

Entity with Oversight City of Eagle Pass  
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 ☐

FMP ID: 153000093

## Delta Storm\_Edcouch Elsa Improvements

### FMP Description

**Channel widening and detention facilities in Edcouch and Elsa**

### 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 ☐

Population at Risk

Roadways flooded Yes ☒ No ☐

Critical Facilities Impacted Yes ☐ No ☐

Notes:

Frequency of flooding:  
# of structures inundated  
Miles inundated?  
Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$11,495,000

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

Estimated year to start:

Time to complete?

Funding Dedicated? Yes ☐ No ☒

Study Sponsor: Hidalgo County Drainage District No. 1

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

Entity with Oversight: Hidalgo County Drainage District No. 1

Included in a Hazard Mitigation 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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## Delta Storm\_La Villa Improvements

### FMP Description

Improvements to the culvert crossings in Edcouch and Elsa, channel widening and improvements, and addition of retention facilities.

### 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 ☐

Population at Risk

Roadways flooded Yes ☒ No ☐

Critical Facilities Impacted Yes ☐ No ☐

Notes:

Frequency of flooding:  
# of structures inundated  
Miles inundated?  
Agricultural Land impacted Yes ☐ No ☐

### Project Costs

Total Cost: \$13,500,000

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

Estimated year to start:

Time to complete?

Funding Dedicated? Yes ☐ No ☒

Study Sponsor: Hidalgo County Drainage District No. 1

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

Entity with Oversight: Hidalgo County Drainage District No. 1

Included in a Hazard Mitigation 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 <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Will permits or interlocal agreements be needed for this project? | Yes <input type="checkbox"/> No <input type="checkbox"/>   |

### Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

### RFPG Recommended

Yes ☒ No ☐

## City of Brownsville-Los Tomates

FMP ID: 153000095

### FMP Description

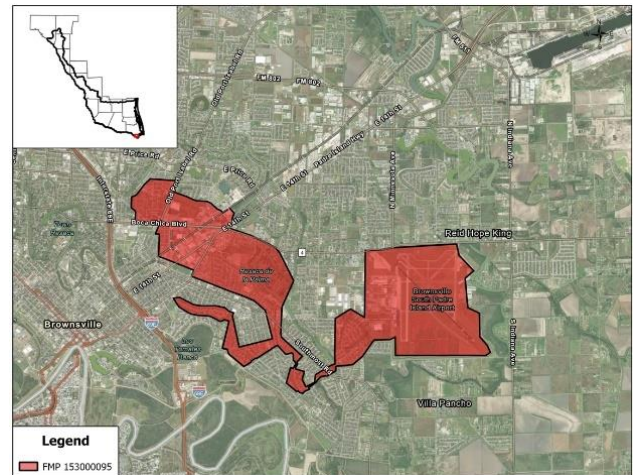
The Impala Pump Station to be relocated west along the proposed East Loop and upgraded to include six pumps: three with a capacity of 195 cfs and three with 223 cfs. The pump is proposed to be situated within a sump with an elevation of 3 feet, within Jeronimo Banco. The Impala Pump Station pumps water out of the sump, which receives water from the Impala Ditch through five 10-foot by 8-foot culverts crossing under the proposed East Loop Road. The Jeronimo Banco and the wetland area were combined by removing the existing levee. The flowline for Jeronimo Banco was established considering the groundwater table at this location. A channel was created in the wetland area to convey flow towards the proposed levee, where three 6-foot by 6-foot reinforced (3)concrete boxes (RCB) were added based on CCRMA design plans. The section between the proposed channel and Jeronimo Banco was set one foot lower than the Jeronimo Banco flowline elevation.

### 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 **Brownsville**  
County/ Counties **Cameron**  
HUC 8 **12110208**  
HUC 12 **121102080900**  
Study Area (sq. mi.) **4.27 sq mi**



### Emergency Need

Yes ☒ No ☐

### Known Flood Risk

History of Flooding?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	10-year storm
Population at Risk	7198 people	# of structures inundated	399
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	26
Critical Facilities Impacted	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$40,700,000	Study Sponsor:	City of Brownsville
Non-recurring Non-capital Cost (include in Total above):	\$	<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:	2027	Entity with Oversight	City of Brownsville
Time to complete?	5 years	Included in a Hazard Mitigation Action Plan or other plan?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Funding Dedicated?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(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 <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Will permits or interlocal agreements be needed for this project? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## City of McAllen-McAllen Lateral

FMP ID: 153000096

### FMP Description

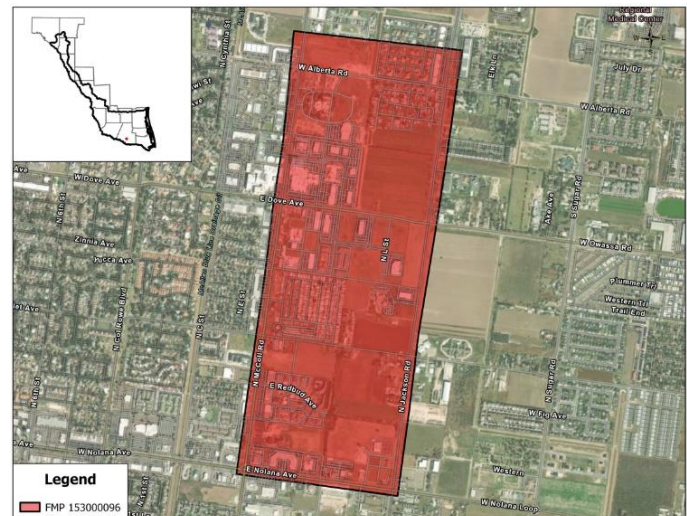
The project involves two phases. Phase I includes a new drainage ditch on the east side of the existing retention pond. Partial flow from the Redbud storm system will be diverted into the proposed ditch with a 36-inch RCP. Additionally, the proposed ditch will connect to the existing retention pond by 2-36-inch equalizer pipes. The proposed ditch will connect to the existing 6-foot x 5-foot RCB at Zinnia Ave by a 48-inch RCP from the proposed ditch outfall to East Minnesota Road. At this location, the 48-inch RCP is upsized to a 60-inch RCP. Phase II includes local storm sewer improvements along Redbud Avenue. The existing Redbud storm system will be split into two sections, the western half of the system is redirected to a 42-inch RCP that discharges into the existing retention pond. The eastern half includes adding two curb inlets to capture more overland flow into the storm system.

### 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 **McAllen**  
County/ Counties **Hidalgo**  
HUC 8 **12110208**  
HUC 12 **121102080300**  
Study Area (sq. mi.) **1.00 sq mi**



### Emergency Need

Yes ☒ No ☐

### Known Flood Risk

History of Flooding? Yes ☒ No ☐  
Population at Risk 5972 people  
Roadways flooded Yes ☒ No ☐  
Critical Facilities Impacted Yes ☐ No ☒  
Notes:

Frequency of flooding: 10-year storm  
# of structures inundated 434  
Miles inundated? 24  
Agricultural Land impacted Yes ☒ No ☐

### Project Costs

Total Cost: \$5,604,255  
Non-reoccurring Non-capital Cost (include in Total above): \$  
Estimated year to start: 2027  
Time to complete? 5 years  
Study Sponsor: City of McAllen  
*These are one-time costs for program development, education campaign, and non-engineering study costs.*  
Entity with Oversight City of McAllen  
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 ☐



## City of McAllen-El Rancho

FMP ID: 153000097

### FMP Description

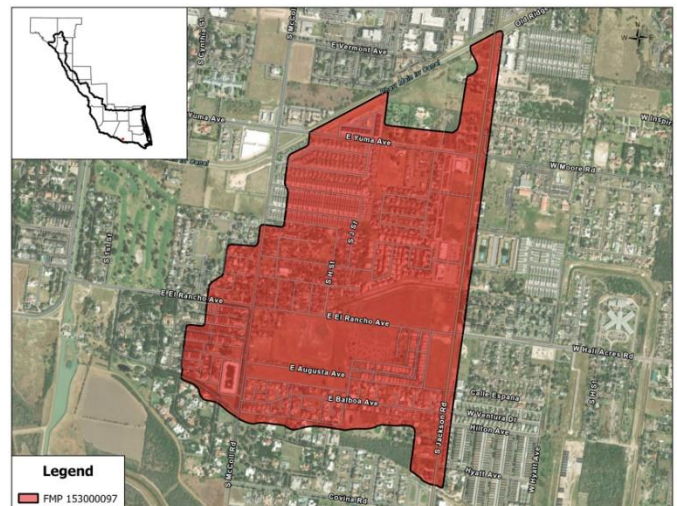
The El Rancho improvements include phased upgrades to the drainage system, starting with flap gates at outfalls and new 24"-54" RCP pipes along McColl, G Ln., Ridgeland, and El Rancho areas to enhance flow management. Inlets, laterals, and junction boxes will be added or upsized at key intersections to improve efficiency. Subsequent phases include additional connections and expanded pipelines along Agusta and El Rancho, with parallel systems and equalizing structures to handle higher flow rates. The final phase focuses on integrating new pipes and connections along Ridgeland, G St., and H 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 **McAllen**  
County/ Counties **Hidalgo**  
HUC 8 **12110208**  
HUC 12 **121102080300**  
Study Area (sq. mi.) **0.59 sq mi**



### Emergency Need

Yes ☒ No ☐

### Known Flood Risk

History of Flooding?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	10-year storm
Population at Risk	~ 152 people	# of structures inundated	91
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	4
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Agricultural Land impacted	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$8,836,000	Study Sponsor:	City of McAllen
Non-recurring Non-capital Cost (include in Total above):	\$	<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:	2027	Entity with Oversight	City of McAllen
Time to complete?	5 years	Included in a Hazard Mitigation Action Plan or other plan?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Funding Dedicated?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(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 <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |
| Will permits or interlocal agreements be needed for this project? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐



## City of Del Rio-San Felipe Creek RSWF A Regional Detention

FMP ID: 153000098

### FMP Description

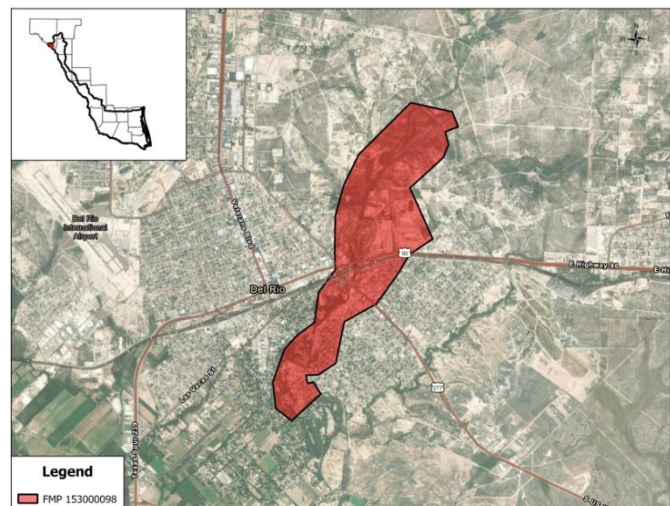
San Felipe Creek RSWF A Regional Detention will encompass approximately 55 acres of land within the Jap Lowe are of the City of Del Rio. Stormwater will enter through the east and southeast of the property, and outfall to the north via a 36" Reinforced Concrete Pipe (RCP) and Trapezoidal Concrete Weir that is 20' long, 4' deep and has a 4':1' (Horizontal:Vertical) slope.

### 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 **Del Rio**  
County/ Counties **Val Verde**  
HUC 8 **1308000102**  
HUC 12 **130800010205,130800010207**  
Study Area (sq. mi.) **0.09 sq mi**



### Emergency Need

Yes ☒ No ☐

### Known Flood Risk

History of Flooding?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	10-year storm
Population at Risk	815 people	# of structures inundated	403
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	3.8
Critical Facilities Impacted	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$ 35,313,949	Study Sponsor:	City of Del Rio
Non-reoccurring Non-capital Cost (include in Total above):	\$	<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:	2027	Entity with Oversight	City of Del Rio
Time to complete?	5 years	Included in a Hazard Mitigation Action Plan or other plan?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Funding Dedicated?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(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 <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |
| Will permits or interlocal agreements be needed for this project? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## City of Del Rio-San Felipe Watershed Creek Berm

FMP ID: 153000099

### FMP Description

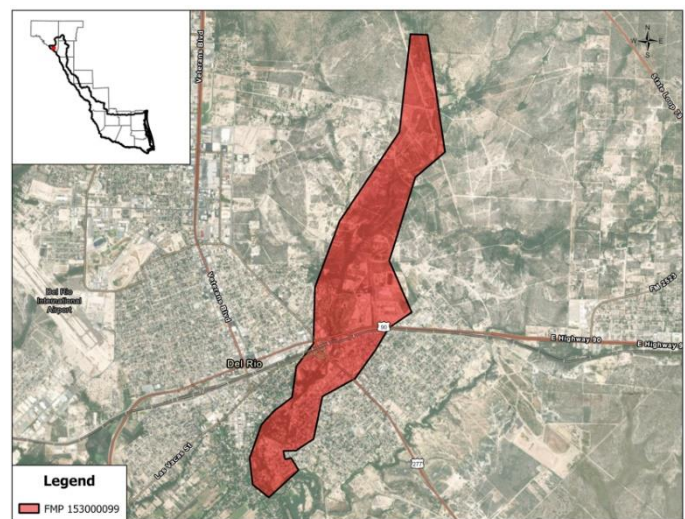
San Felipe Watershed Creek- Berm (Bioretention). Removed San Felipe Creek RSWF B Regional Detention due to it being an economical unfeasible project. Three 10'x10' box culverts will be placed at the center of the natural channel of San Felipe Creek. The berm itself will be constructed at a normal height of 1026.50' relative to sea level, with a width of 30 feet.

### 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 **Del Rio**  
County/ Counties **Val Verde**  
HUC 8 **1308000102**  
HUC 12 **130800010205,130800010207**  
Study Area (sq. mi.) **0.004 sq mi**



### Emergency Need

Yes ☒ No ☐

### Known Flood Risk

History of Flooding?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	10-year storm
Population at Risk	815 people	# of structures inundated	407
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	4.16
Critical Facilities Impacted	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$ 1,806,000	Study Sponsor:	City of Del Rio
Non-reoccurring Non-capital Cost (include in Total above):	\$	<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:	2027	Entity with Oversight	City of Del Rio
Time to complete?	5 years	Included in a Hazard Mitigation Action Plan or other plan?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Funding Dedicated?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(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 <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |
| Will permits or interlocal agreements be needed for this project? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## City of Del Rio-Cantu Watershed Regional Stormwater Detention

FMP ID: 153000100

### FMP Description

The project proposes to excavate approximately 38 acres and create a berm elevated to 1053 with 4':1' (Horizontal:Vertical) side slopes to allow for easier maintenance. The west berm will have 3 – 6'x3' Reinforced Concrete Boxes (RCB) to capture runoff on the west of US 277; the east side will have 3 – 8'x3' RCB to capture runoff from the north; and the outlet will be 1 – 4'x4' RCB which will then continue flowing downstream the "Cantu Branch" where it ultimately is collected into the identified Cienegas Creek.

### 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 **Del Rio**  
County/ Counties **Val Verde**  
HUC 8 **1308000102**  
HUC 12 **130800010205,130800010207**  
Study Area (sq. mi.) **0.70 sq mi**

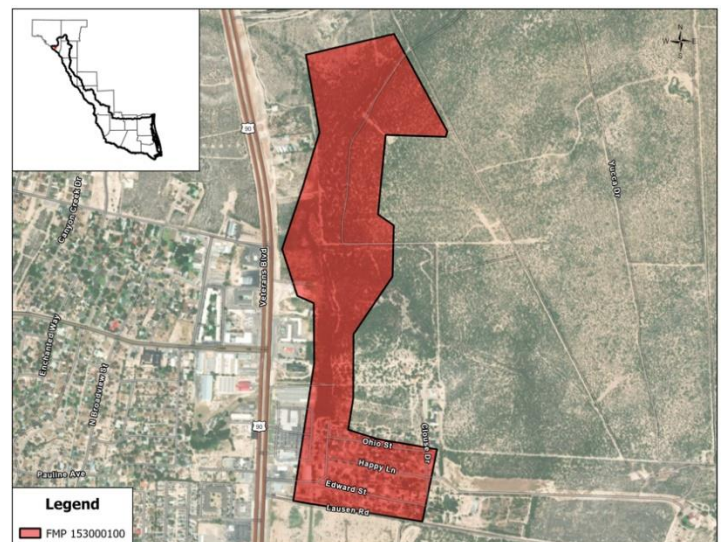
### Emergency Need

Yes ☐ No ☒

### Known Flood Risk

History of Flooding? Yes ☒ No ☐  
Population at Risk 155 people  
Roadways flooded Yes ☒ No ☐  
Critical Facilities Impacted Yes ☐ No ☒  
Notes:

Frequency of flooding: 10-year storm  
# of structures inundated 67  
Miles inundated? 0.63  
Agricultural Land impacted Yes ☐ No ☒



### Project Costs

Total Cost: \$ 11,233,644  
Non-recurring Non-capital Cost (include in Total above): \$  
Estimated year to start: 2027  
Time to complete? 5 years  
Funding Dedicated? Yes ☐ No ☒  
Study Sponsor: City of Del Rio  
*These are one-time costs for program development, education campaign, and non-engineering study costs.*  
Entity with Oversight City of Del Rio  
Included in a Hazard Mitigation Action Plan or other plan? 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 <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |
| Will permits or interlocal agreements be needed for this project? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## City of Del Rio-Buena Vista Park Regrade

FMP ID: 153000101

### FMP Description

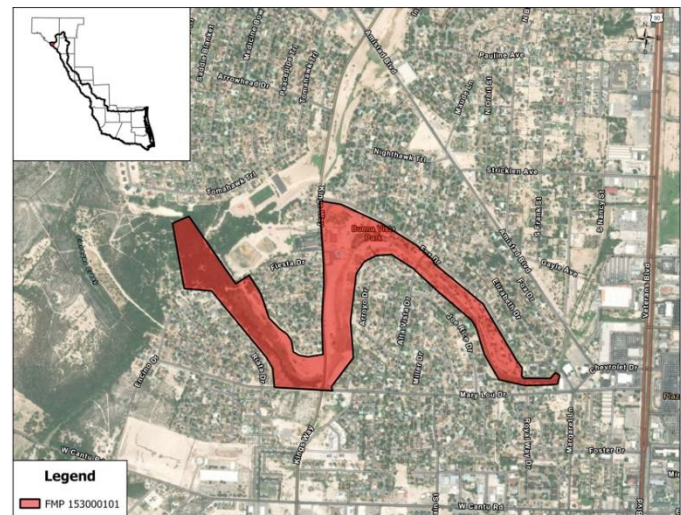
Buena Vista Park Regrade proposes to widen the existing Buena Vista Park drainage system with a trapezoidal cross section. The side slopes would be within the Buena Vista Park Right-Of-Way and consist of side slopes at a maximum of 4':1' (Horizontal:Vertical). The side slopes will transition to the existing slopes at the low water crossings of Kings Way, Alta Vista Drive and Margaret Lane, to include the necessary culverts. This would have positive drainage from the Margaret Lane existing low water crossing to just upstream of the tributary between the "Cantu Branch" stream and the identified Cienegas Creek.

### 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 **Del Rio**  
County/ Counties **Val Verde**  
HUC 8 **1308000102**  
HUC 12 **130800010205,130800010207**  
Study Area (sq. mi.) **0.70 sq mi**



### Emergency Need

Yes ☐ No ☒

### Known Flood Risk

History of Flooding?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	10-year storm
Population at Risk	3 people	# of structures inundated	4
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	0.28
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$ 6,161,309	Study Sponsor:	City of Del Rio
Non-reoccurring Non-capital Cost (include in Total above):	\$	<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:	2027	Entity with Oversight	City of Del Rio
Time to complete?	5 years	Included in a Hazard Mitigation Action Plan or other plan?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Funding Dedicated?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(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 <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |
| Will permits or interlocal agreements be needed for this project? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## City of Del Rio-Kings Way Site 1 at Cantu Branch

FMP ID: 153000102

### FMP Description

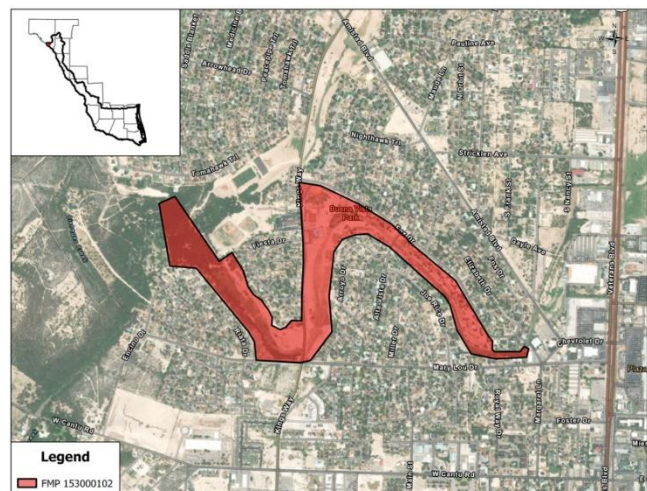
Buena Vista Park Regrade proposes to widen the existing Buena Vista Park drainage system with a trapezoidal cross section. The side slopes would be within the Buena Vista Park Right-Of-Way and consist of side slopes at a maximum of 4':1' (Horizontal:Vertical). The side slopes will transition to the existing slopes at the low water crossings of Kings Way, Alta Vista Drive and Margaret Lane, to include the necessary culverts. This would have positive drainage from the Margaret Lane existing low water crossing to just upstream of the tributary between the "Cantu Branch" stream and the identified Cienegas Creek.

### 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 **Del Rio**  
County/ Counties **Val Verde**  
HUC 8 **1308000102**  
HUC 12 **130800010205,130800010207**  
Study Area (sq. mi.) **0.01 sq mi**



### Emergency Need

Yes ☐ No ☒

### Known Flood Risk

History of Flooding?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Frequency of flooding:	10-year storm
Population at Risk	3 people	# of structures inundated	4
Roadways flooded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Miles inundated?	0.32
Critical Facilities Impacted	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Agricultural Land impacted	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Notes:

### Project Costs

Total Cost:	\$ 1,032,499	Study Sponsor:	City of Del Rio
Non-reoccurring Non-capital Cost (include in Total above):	\$	<i>These are one-time costs for program development, education campaign, and non-engineering study costs.</i>	
Estimated year to start:	2027	Entity with Oversight	City of Del Rio
Time to complete?	5 years	Included in a Hazard Mitigation Action Plan or other plan?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Funding Dedicated?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(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 <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |
| Will permits or interlocal agreements be needed for this project? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐

## City of Del Rio-San Felipe Neighborhood (Detention & Drainage System)

FMP ID: 153000103

### FMP Description

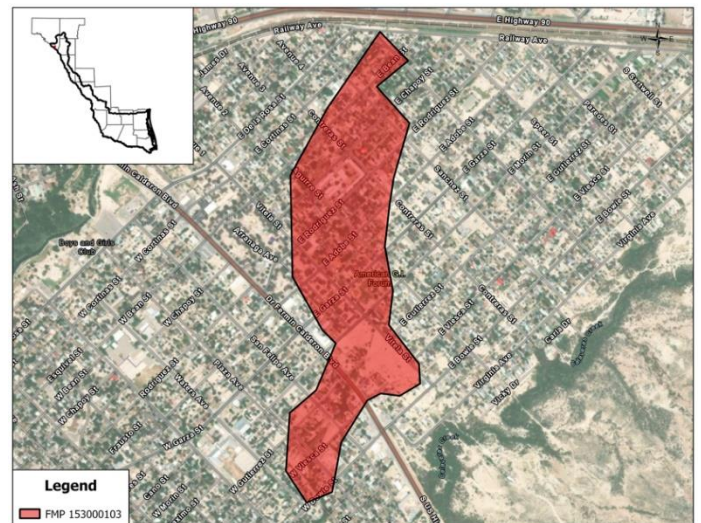
The proposed storm system at the San Felipe Neighborhood had previous recommendations of implementing curb and gutter to alleviate surface ponding coming from a culvert located on US 90. The proposed solution would take the previous recommendation of curb and gutter, but would also include new drainage facilities. These would include 24" and 36" Reinforced Concrete Pipe (RCP), curved inlets, headwalls and a detention pond located in a mostly undeveloped lot at the Gutierrez Street and Vitela Street intersection. From here an 8'x4' Reinforced Concrete Box (RCB) would convey runoff to the east until it reaches the lower lying areas adjacent to the Calaveras Creek.

### 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 **Del Rio**  
County/ Counties **Val Verde**  
HUC 8 **1308000102**  
HUC 12 **130800010205,130800010207**  
Study Area (sq. mi.) **0.01 sq mi**



### Emergency Need

Yes ☐ No ☒

### Known Flood Risk

History of Flooding? Yes ☒ No ☐  
Population at Risk 435 people  
Roadways flooded Yes ☒ No ☐  
Critical Facilities Impacted Yes ☐ No ☒  
Notes:

Frequency of flooding: 10-year storm  
# of structures inundated 217  
Miles inundated? 1.44  
Agricultural Land impacted Yes ☐ No ☒

### Project Costs

Total Cost: \$ 3,324,768  
Non-recurring Non-capital \$  
Cost (include in Total above):  
Estimated year to start: 2027  
Time to complete? 5 years  
Funding Dedicated? Yes ☐ No ☒

Study Sponsor: City of Del Rio  
*These are one-time costs for program development, education campaign, and non-engineering study costs.*  
Entity with Oversight City of Del Rio  
Included in a Hazard Mitigation Action Plan or other plan? 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 <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |
| Will permits or interlocal agreements be needed for this project? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐



## Hidalgo County Drainage District No 1- South Lateral

FMP ID: 153000104

### FMP Description

Expansion of drainage improvement measures to mitigate residual drainage impacts for the South Lateral Drain from the drain intersections of South Stewart Rd. up to the IBWC Levee near Pharr, TX.

### 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

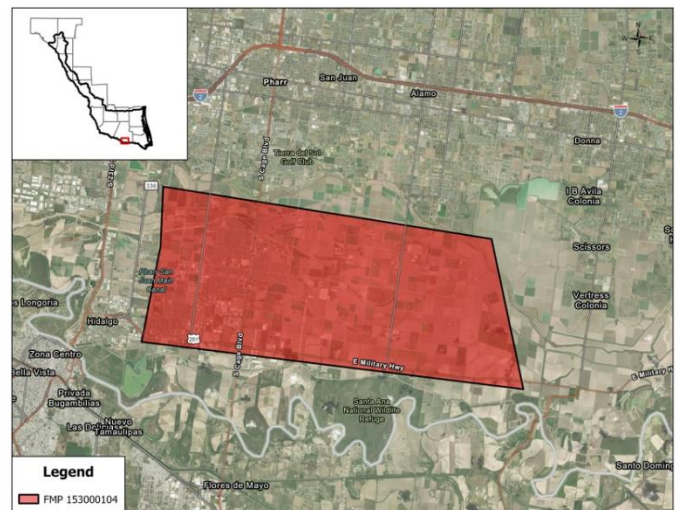
City/ Cities

County/ Counties **Hidalgo**

HUC 8 **12110208,13090002**

HUC 12 **121102080800,130900020403,  
121102080900**

Study Area (sq. mi.) **35.9 sq mi**



### Emergency Need

Yes ☐ No ☒

### Known Flood Risk

History of Flooding? Yes ☒ No ☐  
Population at Risk 5009 people  
Roadways flooded Yes ☐ No ☒  
Critical Facilities Impacted Yes ☐ No ☒  
Notes:

Frequency of flooding:  
# of structures inundated 1604  
Miles inundated? 40.9  
Agricultural Land impacted Yes ☒ No ☐

### Project Costs

Total Cost: \$ 13,150,873  
Non-reoccurring Non-capital \$  
Cost (include in Total above):  
Estimated year to start: 2027  
Time to complete? 5 years  
Funding Dedicated? Yes ☐ No ☒

Study Sponsor: Hidalgo Drainage District No.1  
*These are one-time costs for program development, education campaign, and non-engineering study costs.*  
Entity with Oversight Hidalgo Drainage District No.1  
Included in a Hazard Mitigation Action Plan or other plan? 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 <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |
| Does the project have any negative effects, per TWDB guidelines?  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project have a Benefit Cost Ratio greater than 1?        | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the project reduce flood risk for the 100-Yr flood event?    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> |
| Does the Project provide a Water Supply Benefit?                  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                  |
| Has all the ROW been acquired?                                    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |
| Will permits or interlocal agreements be needed for this project? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                  |

## Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

## RFPG Recommended

Yes ☒ No ☐



## Cameron County Irrigation District No. 6 River Pump Station Elevation of Electrical Equipment above Flood Plain

FMP ID: 153000105

### FMP Description

The District First Lift Pump Station was constructed to be flood proofed to the original levee height. Two subsequent improvements by the IBWC have raised the levee significantly placing the original equipment in the floodplain. This project updates the electrical equipment and elevates the equipment above the 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 **Cameron**

HUC 8 **12110208,13090002,13090001**

HUC 12 **130900020305,130900011705,121102080100,  
121102080600,121102080300,121102080400,  
130900020301,130900020401,130900020311,  
121102080200,121102080500**

Study Area (sq. mi.) **0.01 sq mi**

### Emergency Need

Yes ☐ No ☒

### Known Flood Risk

History of Flooding? Yes ☒ No ☐  
Population at Risk 0 people  
Roadways flooded Yes ☒ No ☐  
Critical Facilities Impacted Yes ☐ No ☒  
Notes:

Frequency of flooding:  
# of structures inundated 1  
Miles inundated? 0  
Agricultural Land impacted Yes ☐ No ☒

### Project Costs

Total Cost: \$ 1,300,000  
Non-reoccurring Non-capital Cost (include in Total above): \$

Study Sponsor: City of Del Rio

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

## Flood Mitigation Project Fact Sheet

Estimated year to start:	2027	Entity with Oversight	City of Del Rio
Time to complete?	5 years	Included in a Hazard Mitigation Action Plan or other plan?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Funding Dedicated?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(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 <input checked="" type="checkbox"/> No <input type="checkbox"/>
Does the project have any negative effects, per TWDB guidelines?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown <input type="checkbox"/>
Does the project have a Benefit Cost Ratio greater than 1?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/>
Does the project reduce flood risk for the 100-Yr flood event?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/>
Does the Project provide a Water Supply Benefit?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Has all the ROW been acquired?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Will permits or interlocal agreements be needed for this project?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

### Related Goals

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Increase community access routes to critical facilities, evacuation routes, during and after a flooding event                                | <input type="checkbox"/> Increase the # of entities that adopt higher than NFIP-minimum standards  |
| <input type="checkbox"/> Reduce the # of newly constructed vulnerable critical facilities within the existing and future 100-YR floodplain                                       | <input type="checkbox"/> Develop and maintain an operational stormwater asset management plan  |
| <input type="checkbox"/> Increase the # of communities participating in the National Flood Insurance Program   | <input type="checkbox"/> Increase the # of flood gauges (rainfall/stream) in the region  |
| <input type="checkbox"/> Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs   | <input type="checkbox"/> Increase the # of entities that have multi-year drainage CIP list   |
| <input type="checkbox"/> Increase the coverage of available flood hazard data by completing studies with identified construction projects to address flooding hazards            | <input type="checkbox"/> 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   |
| <input type="checkbox"/> Increase participation in the regional flood planning process   | <input type="checkbox"/> Increase use of nature-based flood risk reduction projects  |
| <input type="checkbox"/> Provide regional detention that could be used for water reuse applications or as part of a floodplain management program                                | <input type="checkbox"/> Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger   |
| <input type="checkbox"/> Increase acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use                               | <input type="checkbox"/> Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure   |
| <input type="checkbox"/> Increase outreach and education activities, specifically targeting municipal floodplain managers, hosted by Region 15 RFPG and available on the website | <input type="checkbox"/> 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  |
| <input type="checkbox"/> Increase the use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations           | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Reduce the # of structures that have been subject to repeated flooding events through property buyouts  |  |

### RFPG Recommended

Yes ☒ No ☐

## Weslaco Stormwater Improvement Plan – Kansas & Los Torritos

FMP ID: 153000122

### FMP Description

Addition of storm drain to capture neighborhood runoff to new 30-Acre Detention Pond and Channel widening to existing drainage system

### 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

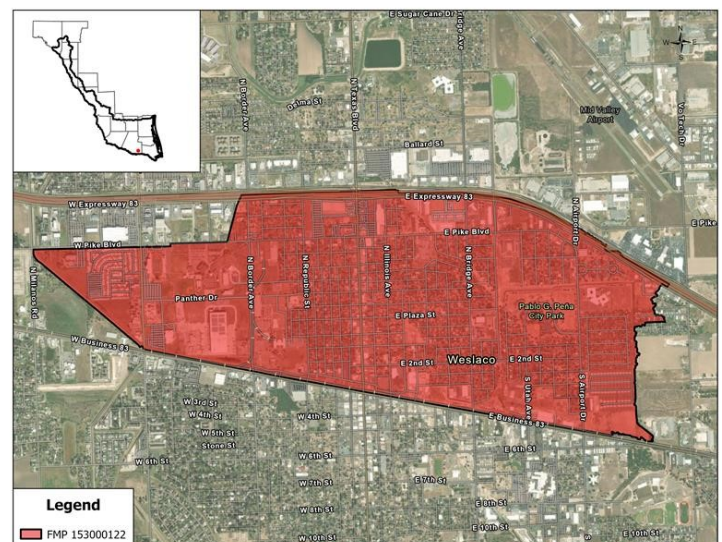
City/ Cities **Weslaco**

County/ Counties **Hidalgo**

HUC 8 **12110207,**  
**12110231**

HUC 12 **121102080100,**  
**121102080300**

Study Area (sq. mi.) **2.06**



### Emergency Need

Yes ☒ No ☐

### Known Flood Risk

History of Flooding? Yes ☒ No ☐

Population at Risk

Roadways flooded Yes ☒ No ☐

Critical Facilities Impacted Yes ☒ No ☐

Frequency of flooding: 100yr

# of structures inundated 1224

Miles inundated? 26.4

Agricultural Land impacted Yes ☒ No ☐

Notes:

### Project Costs

Total Cost: \$21,077,000

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

Estimated year to start: 2026

Time to complete? 5 years

Study Sponsor: City of Weslaco

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

Entity with Oversight City of Weslaco

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 ☐