



2023 Nueces Regional Flood Plan Project Summary Sheet

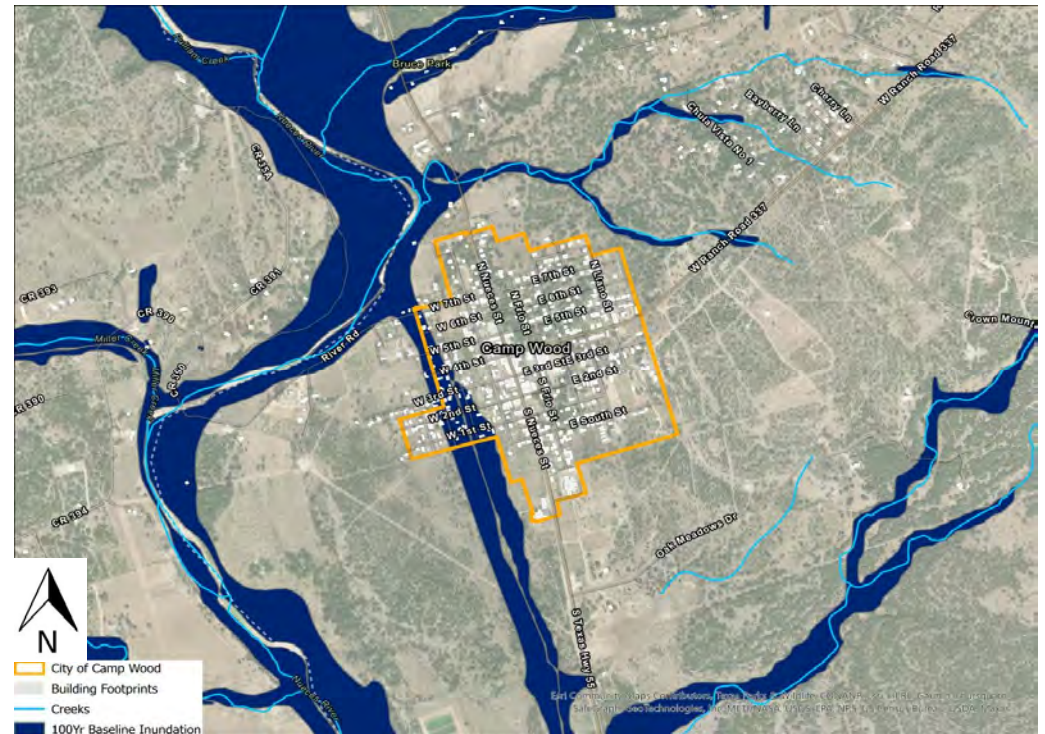
Updated: 6/8/2023

Page 1 of 1

Project Name: Camp Wood City-Wide Drainage Study
FME ID: 131000006
Project Sponsor: Real County
Project Source: Judge Bella Rubio; Meeting with Real County 11/21/2022
Study Type: Project Planning
Related Goals: 5 - Structural Inundations; 6 - Flood Management Standards
Project Cost: \$200,000
(2020 Prices)

Project Description:

The City of Camp Wood lies adjacent to the Nueces River and downstream of several tributaries running down from the hills to the east. City representatives have identified several repetitive flooding areas including along an existing undersized storm drain network that can be upgraded. Further study of the City's drainage patterns is recommended to prioritize major flood risk areas and develop proposed solutions and drainage improvements for the citizens and infrastructure at risk in this area. Project cost was developed using FME cost spreadsheet (found in Appendix C8 - Supporting Costing Material for Flood Mitigation Actions) for a citywide project.



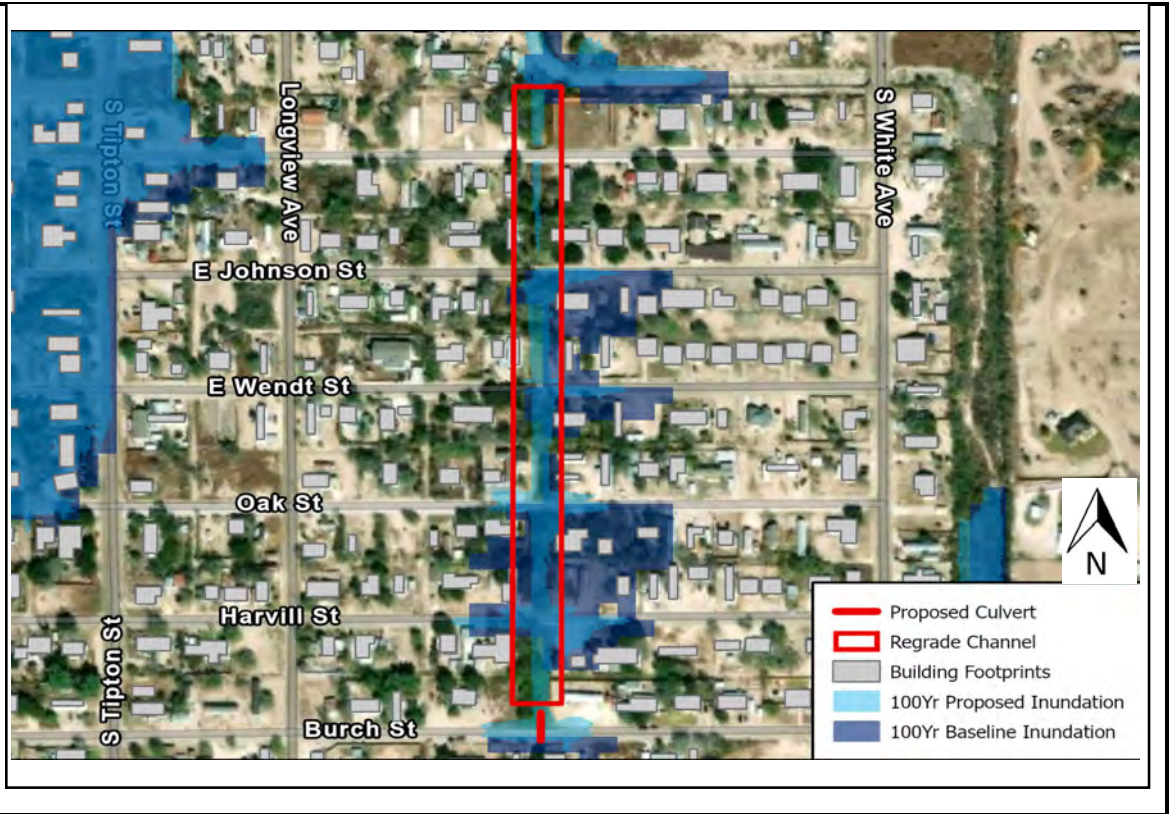


2023 Nueces Regional Flood Plan Project Summary Sheet

Updated: 6/8/2023

Page 1 of 1

Project Name:	Burch Street Culvert Upgrade and Channel Regrading
FME ID:	131000055
Project Sponsor:	City of Freer
Project Source:	2022 Duval County Master Plan
Study Type:	Engineering Project Planning
Related Goals:	Structural Inundations
Project Cost: (2020 Prices)	\$25,000
Project Description:	Project to upsize the culvert capacity on Burch Street in Freer, TX. Burch Street is currently equipped with one 36-inch culvert that flows into earthen channel. Proposed conditions will increase capacity through Burch Street by adding a second 36-inch culvert under the road and reduce number of structures flooded upstream. Analysis was started by CDM Smith, but further study is needed to assess adverse impacts. Project cost was developed from FME cost spreadsheet (Appendix C8 - Supporting Costing Material for Flood Mitigation Actions) and reduced to account for work done by CDM Smith.





2023 Nueces Regional Flood Plan Project Summary Sheet

Updated: 6/8/2023

Page 1 of 1

Project Name: Northern San Diego Street Conveyance Improvements

FME ID: 131000056

Project Sponsor: Duval County

Project Source: 2022 Duval County Master Plan

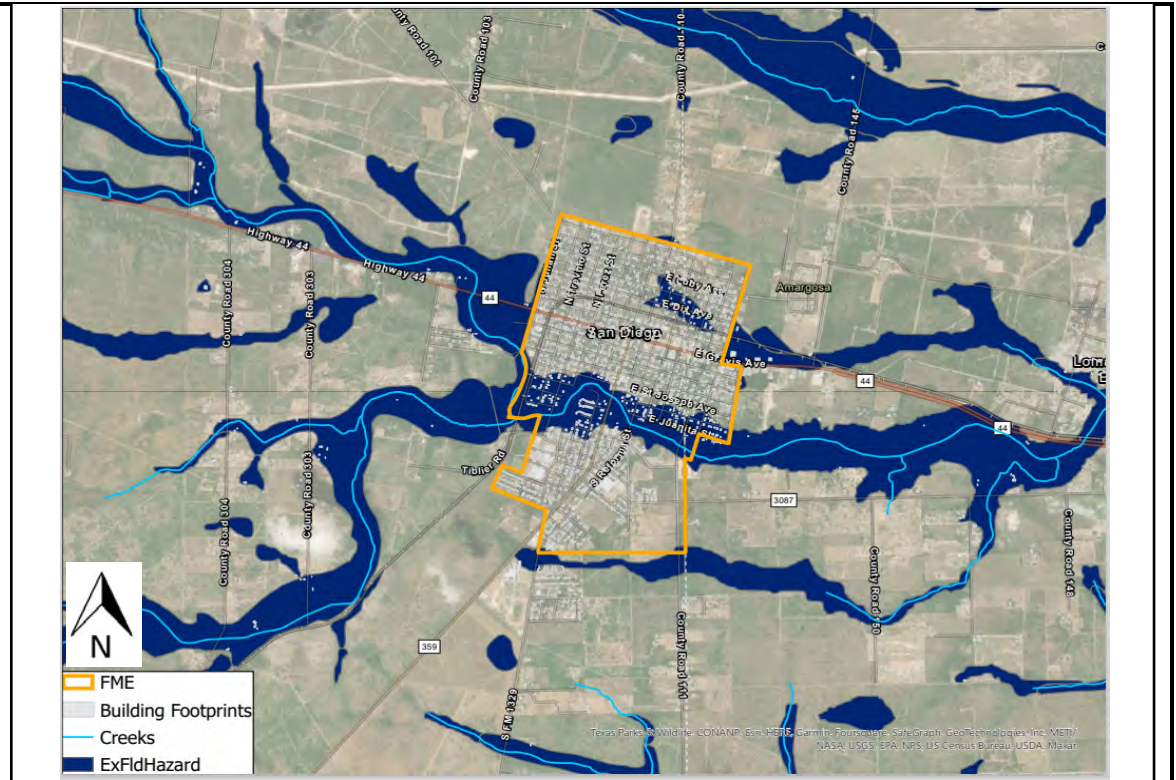
Study Type: Engineering Project Planning

Related Goals: Flood Management Standards

Project Cost: \$25,000
(2020 Prices)

Project Description:

Project to clear, clean, and maintain current stormwater drainage infrastructure such as curbs and gutters on roads, culverts, ditches, inlets, and outfalls into San Diego Creek. Analysis has been started by CDM Smith, but further study is needed to assess adverse impacts. Project cost was developed using FME cost spreadsheet (found in Appendix C8 - Supporting Costing Material for Flood Mitigation Actions) and reduced to account for the work already done by CDM Smith.





2023 Nueces Regional Flood Plan Project Summary Sheet

Updated: 6/8/2023

Page 1 of 1

Project Name: Northern San Diego Drainage Improvements

FME ID: 131000057

Project Sponsor: Duval County

Project Source: 2022 Duval County Master Plan

Study Type: Engineering Project Planning

Related Goals: Flood management standards

Project Cost: \$25,000
(2020 Prices)

Project Description:

Project to build an expansion of the Dix Street underground drainage system along Luby Street to the northwest. Extend the current Dix Street system to the western edge of San Diego and improve the existing drainage and outfall. Analysis has been started by CDM Smith, but further study is needed to assess adverse impacts. Project cost was developed using FME cost spreadsheet (found in Appendix C8 - Supporting Costing Material for Flood Mitigation Actions) and reduced to account for the work already done by CDM Smith.





2023 Nueces Regional Flood Plan Project Summary Sheet

Updated: 6/8/2023

Page 1 of 1

Project Name: San Diego Railroad Drainage Connectivity Improvements

FME ID: 131000060

Project Sponsor: Duval County

Project Source: 2022 Duval County Master Plan

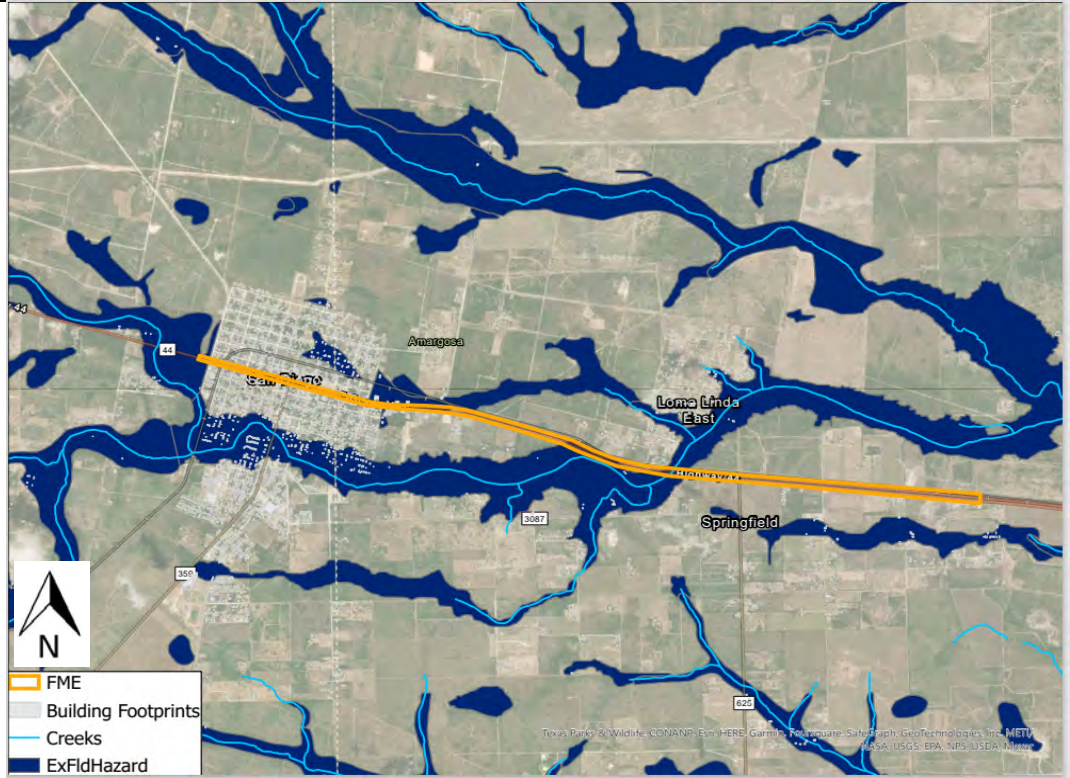
Study Type: Engineering Project Planning

Related Goals: Flood management standards

Project Cost: \$25,000
(2020 Prices)

Project Description:

Project to improve the drainage connectivity along Dix Street, Victoria Street, Hwy 44 and the railroad crossings. This will increase capacity and improve conveyance on railroad under-crossings and sections of Hwy 44. Analysis has been started by CDM Smith, but further study is needed to assess adverse impacts. Project cost was developed using FME cost spreadsheet (found in Appendix C8 - Supporting Costing Material for Flood Mitigation Actions) and reduced to account for the work already done by CDM Smith.



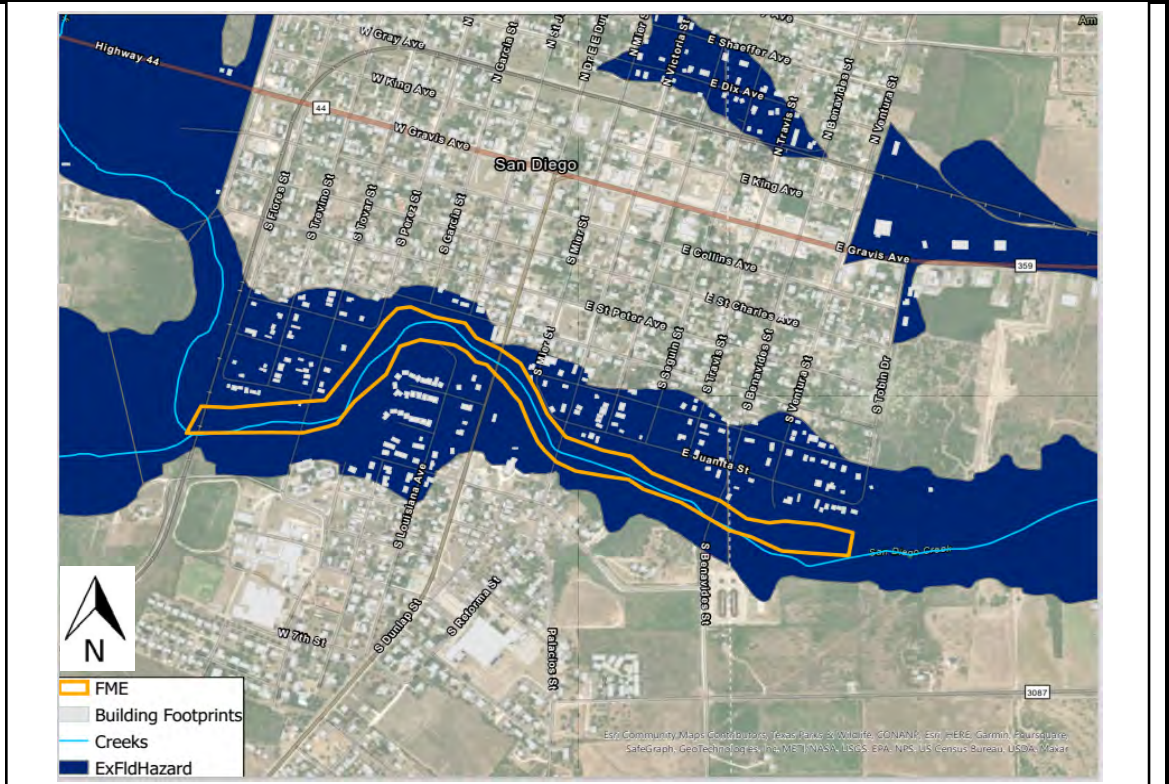


2023 Nueces Regional Flood Plan Project Summary Sheet

Project Name: San Diego Levee Outfall System Improvements
FME ID: 131000061
Project Sponsor: Duval County
Project Source: 2022 Duval County Master Plan
Study Type: Engineering Project Planning
Related Goals: Dams
Project Cost: \$25,000
(2020 Prices)

Project Description:

Project to repair and replace flap gates (36-inch) and improve appurtenances in the San Diego levee system. This will prevent backflow during larger flood events, but still allow stormwater to drain during less impactful weather events when the creek is not in a flood stage. Analysis has been started by CDM Smith, but further study is needed to assess adverse impacts. Project cost was developed using FME cost spreadsheet (found in Appendix C8 - Supporting Costing Material for Flood Mitigation Actions) and reduced to account for the work already done by CDM Smith.





2023 Nueces Regional Flood Plan Project Summary Sheet

Project Name:	Southern San Diego Drainage Improvements
FME ID:	131000062
Project Sponsor:	Duval County
Project Source:	2022 Duval County Master Plan
Study Type:	Engineering Project Planning
Related Goals:	Flood management standards
Project Cost: (2020 Prices)	\$25,000
Project Description:	Project to build a new underground stormwater collection system along Collins Street, which will have connections along Victoria Street, Seguin Street, and St. James Street to the San Diego Creek outfalls. Analysis has been started by CDM Smith, but further study is needed to assess adverse impacts. Project cost was developed using FME cost spreadsheet (found in Appendix C8 - Supporting Costing Material for Flood Mitigation Actions) and reduced to account for the work already done by CDM Smith.





2023 Nueces Regional Flood Plan Project Summary Sheet

<p>Project Name: Aransas County Drainage Study</p> <p>FME ID: 131000182</p> <p>Project Sponsor: Aransas County</p> <p>Project Source: Provided by stakeholders</p> <p>Study Type: Watershed Planning</p> <p>Related Goal: 5- Structural Inundations</p> <p>Project Cost: (2020 Prices) \$250,000</p> <p>Project Description:</p>	
<p>A detailed FIF Category 1 hydrologic and hydraulic study is needed to determine appropriate drainage improvements due to frequent flooding across Aransas County, including the influence of coastal flooding from tides and tropical storms/hurricanes.</p>	



2023 Nueces Regional Flood Plan Project Summary Sheet

Updated: 6/8/2023

Page 1 of 1

Project Name: North Pearsall Drainage Improvements

FME ID: 131000183

Project Sponsor: Frio County

Project Source: Frio County Road & Bridge Department

Study Type: Engineering Project Planning

Related Goals: Structural Inundations

Project Cost: \$1,660,940
(Full Cost Estimate - FMP)

*Cost estimate by Poznecki Camarillo

Project Description:

Project to make drainage improvements at three locations in North Pearsall, Texas. Crossing No 1 is at Horizon West Drive (CR 1056), Crossing No 2 is at Armadillo Road (CR 1143), and Crossing No 3 is at Nolan Road (CR 1001). This project is a portion of the City of Pearsall Interlocal Agreement WO #3 - North Pearsall Drainage Improvements. Drainage study by Poznecki Camarillo is underway.





2023 Nueces Regional Flood Plan Project Summary Sheet

Updated: 6/8/2023
Page 1 of 1

Project Name: CR 3000 & Keystone Rd - Drainage Study & PS&E

FME ID: 131000184

Project Sponsor: Frio County

Project Source: Frio County Road & Bridge Department

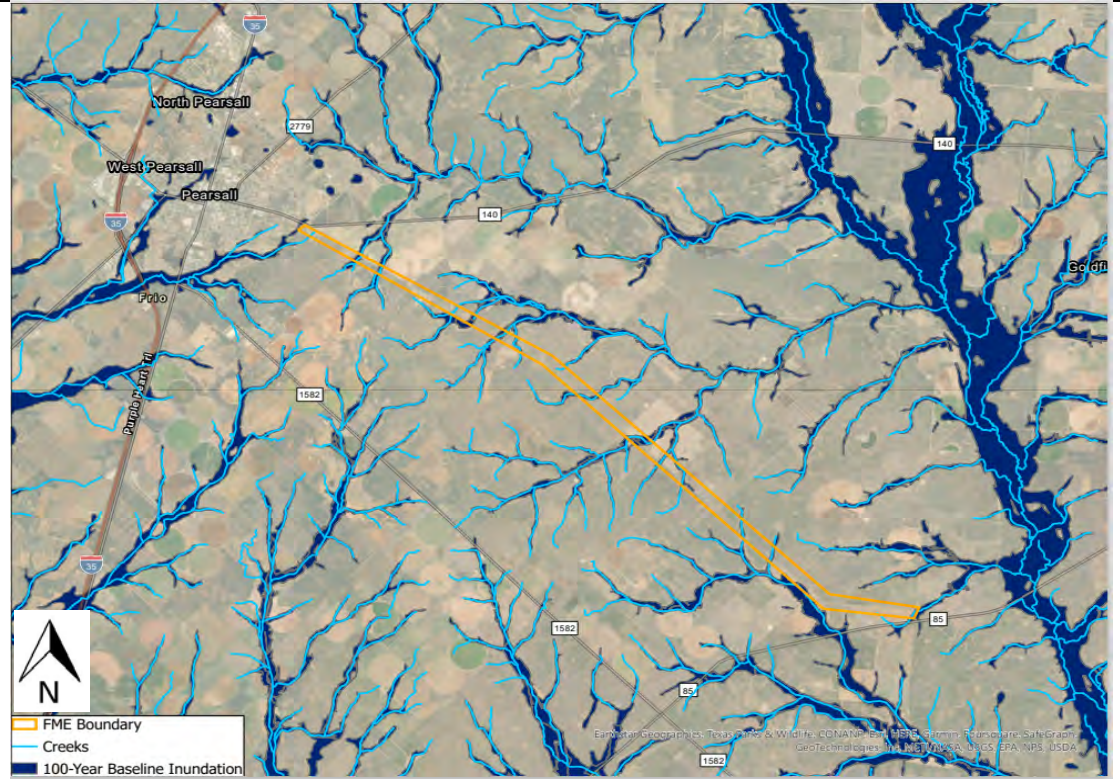
Study Type: Engineering Project Planning

Related Goals: Structural Inundations

Project Cost: \$75,000
(2020 Prices)

Project Description:

Drainage study and PS&E for County Road 3000 and Keystone Road. Project cost was developed from the 2022-2023 Proposed Budget for Drainage Projects by the Frio County Road and Bridge Department.





2023 Nueces Regional Flood Plan Project Summary Sheet

Updated: 6/8/2023

Page 1 of 1

Project Name: CR 4757/Leona River Rd - Brdg Replacement & PS&E

FME ID: 131000185

Project Sponsor: Frio County

Project Source: Frio County Road & Bridge Department

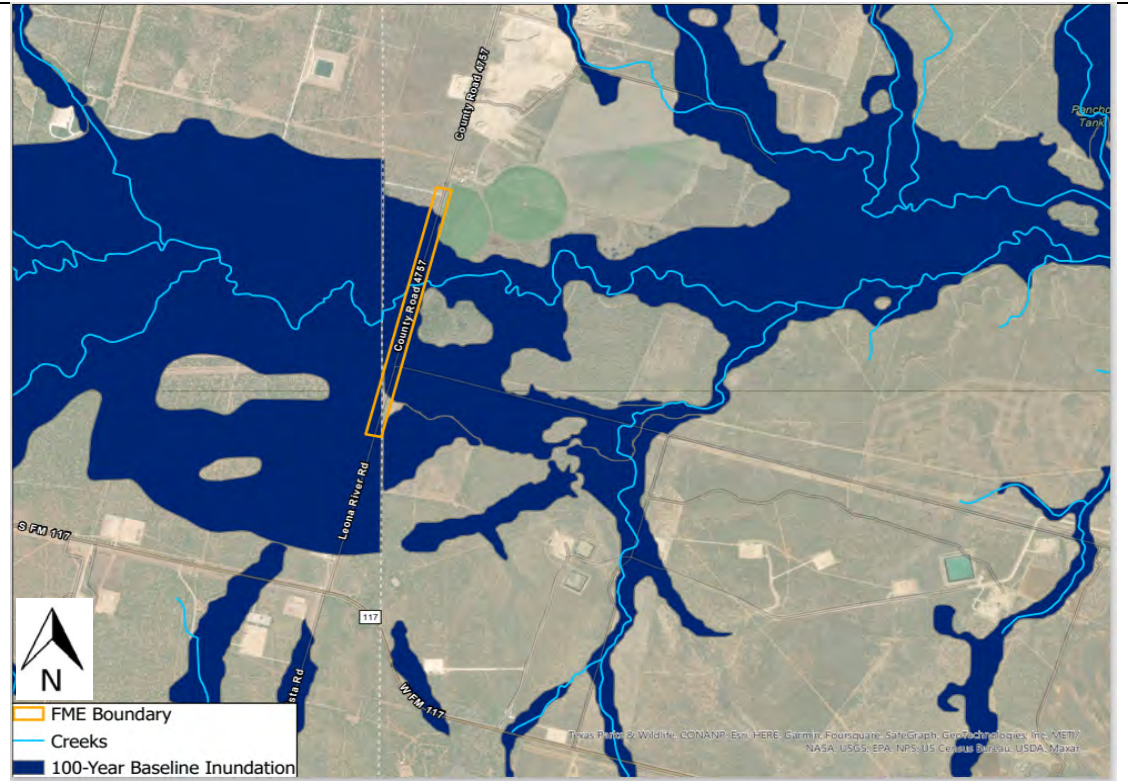
Study Type: Engineering Project Planning

Related Goals: Structural Inundations

Project Cost: \$65,435
(2020 Prices)

Project Description:

PS&E and bridge replacement at County Road 4757 and Leona River Road. The current road is a single lane bridge and low water crossing. Project cost was developed from the 2022-2023 Proposed Budget for Drainage Projects by the Frio County Road and Bridge Department.





2023 Nueces Regional Flood Plan Project Summary Sheet

Updated: 6/8/2023

Page 1 of 1

Project Name: Frio County Bridge Repair Contract

FME ID: 131000186

Project Sponsor: Frio County

Project Source: Frio County Road & Bridge Department

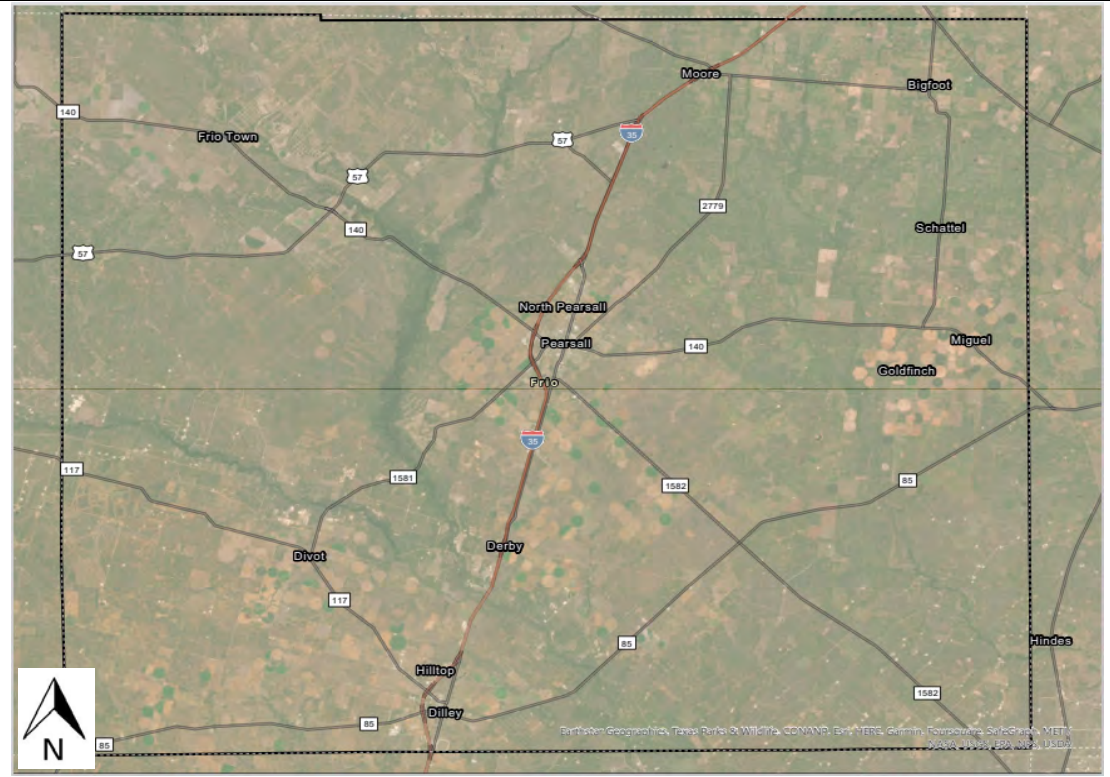
Study Type: Engineering Project Planning

Related Goals: Structural Inundations

Project Cost: \$75,000
(2020 Prices)

Project Description:

Countywide project to perform bridge repairs (repair abutments, clean bridge joints, repair riprap). Project cost was developed from the 2022-2023 Proposed Budget for Drainage Projects by the Frio County Road and Bridge Department.





2023 Nueces Regional Flood Plan Project Summary Sheet

Updated: 6/8/2023

Page 1 of 1

Project Name: CR 3300 & S. Goldfinch Rd - PS&E

FME ID: 131000187

Project Sponsor: Frio County

Project Source: Frio County Road & Bridge Department

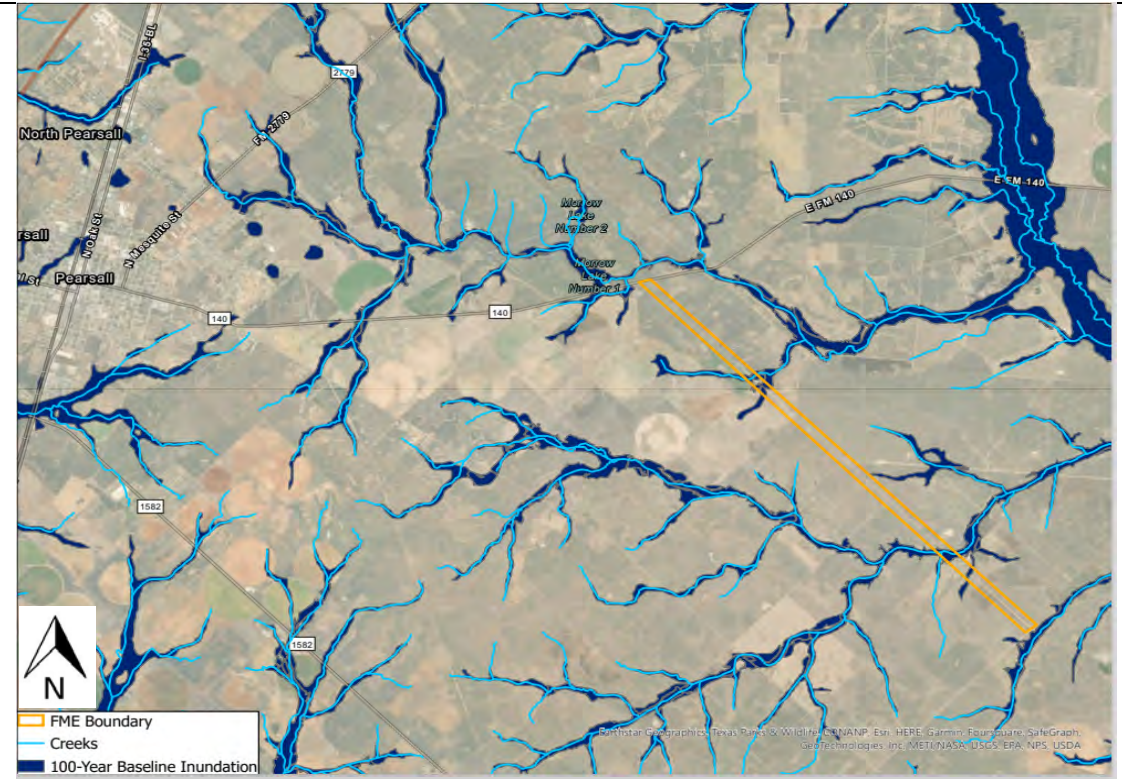
Study Type: Engineering Project Planning

Related Goals: Structural Inundations

Project Cost: \$858,554
(2020 Prices)

Project Description:

PS&E project to re-construct roadway and make drainage improvements to County Road 3300 and South Goldfinch Road. Project cost was developed from the 2022-2023 Proposed Budget for Drainage Projects by the Frio County Road and Bridge Department.





2023 Nueces Regional Flood Plan Project Summary Sheet

<p>Project Name: Location 2 - 19th St. from E. Lott Ave. to Maple St.</p> <p>FME ID: 131000188</p> <p>Project Sponsor: City of Kingsville</p> <p>Project Source: Provided by Stakeholder</p> <p>Study Type: Project Planning</p> <p>Related Goal: 5- Structural Inundations</p> <p>Project Cost: (2020 Prices) \$300,000</p> <p>Project Description:</p>	
<p>The area of interest on 19th Street from E Lott Avenue to E Johnston Avenue does not have inlets or storm sewer infrastructure, and existing stormsewer infrastructure downstream is undersized. This is resulting in impassable roads and inaccessible driveways within the area of interest. This project proposes installing new storm sewer infrastructure and inlets along 19th Street and its side streets (Huisache Avenue, Fordryce Avenue, and Johnston Avenue), as well as a new culvert to bypass the Lott Avenue and 20th Street systems. This project is Location 2 of the City of Kingsville City-Wide Drainage Master Plan, September 2018.</p>	



2023 Nueces Regional Flood Plan Project Summary Sheet

<p>Project Name: Location 5 - Caesar Place Subdivision</p> <p>FME ID: 131000189</p> <p>Project Sponsor: City of Kingsville</p> <p>Project Source: Provided by Stakeholder</p> <p>Study Type: Project Planning</p> <p>Related Goal: 5- Structural Inundations</p> <p>Project Cost: (2020 Prices) \$1,200,000</p> <p>Project Description:</p>	
<p>Caesar Place Subdivision has one inlet, and its capacity is insufficient to avoid high water in the streets and front yards of the subdivision. This project proposes installing inlets and stormsewer infrastructure throughout the subdivision as well as improvement of an existing downstream culvert. In addition to improvements local to Caesar Place Subdivision, downstream improvements are recommended for Caesar Avenue to improve conveyance. Recommended downstream improvements include addition of culverts and will require completion of Location 2 improvements (FME 131000188) to be implemented. This project is Location 5 of the City of Kingsville City-Wide Drainage Master Plan, September 2018.</p>	



2023 Nueces Regional Flood Plan Project Summary Sheet

<p>Project Name: Location 9 - N 17th St. and Corral Ave. Intersection</p> <p>FME ID: 131000190</p> <p>Project Sponsor: City of Kingsville</p> <p>Project Source: Provided by Stakeholder</p> <p>Study Type: Project Planning</p> <p>Related Goal: 5- Structural Inundations</p> <p>Project Cost: (2020 Prices) \$900,000</p>	
<p>Project Description:</p> <p>The area of interest at Corral Avenue and 17th Street experiences flooding issues in the streets and standing water. This is in part due to no storm sewer on 17th Street or to the south. Additionally, existing storm sewer inlets and infrastructure in the area are undersized and the local streets do not have the capacity to convey the design storm. Project proposed implementation of storm sewer infrastructure on 17th Street and improvements to storm infrastructure and inlets on Corral Avenue. This project is Location 9 of the City of Kingsville City-Wide Drainage Master Plan, September 2018.</p>	



2023 Nueces Regional Flood Plan Project Summary Sheet

Project Name: Carriage Park 2 Subdivision Improvements
FME ID: 131000191
Project Sponsor: City of Kingsville
Project Source: Provided by Stakeholder
Study Type: Project Planning
Related Goal: 5- Structural Inundations
Project Cost: \$600,000
(2020 Prices)

Project Description:

Infrastructure within and downstream of Carriage Park 2 Subdivision is unable to accommodate the 2 year storm. Upgrading of existing lines, adding curb inlets and curb extensions, and reconstructing 320' of Shelly St. to improve the crown is proposed.





2023 Nueces Regional Flood Plan Project Summary Sheet

Updated: 6/8/2023

Page 1 of 1

Project Name: L22-1: Lake Shore Estates Master Drainage Plan

FME ID: 131000192

Project Sponsor: City of Lytle

Project Source: 2022 City of Lytle Drainage Needs

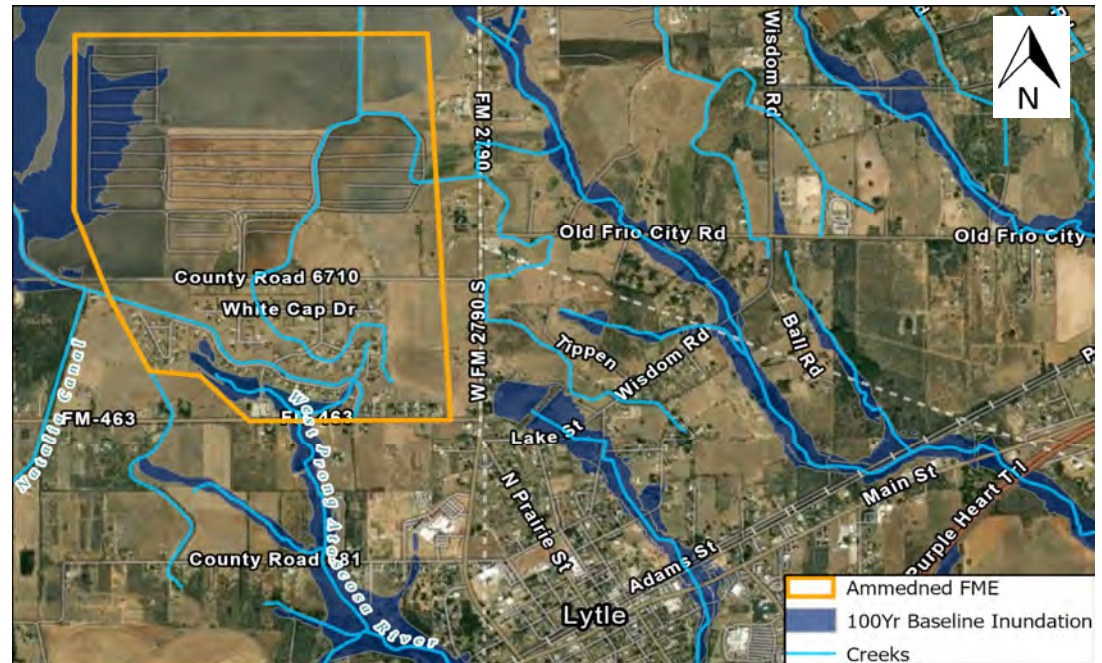
Study Type: Watershed Planning

Related Goals: 5-Structural Inundations

Project Cost: \$250,000
(2020 Prices)

Project Description:

City anticipates tripling homes in their jurisdiction in the next 5-10yrs. Project to develop a drainage master plan for the Lake Shore Estates and implement the structural and non-structural solutions to mitigate flooding. Project cost was developed using FME cost spreadsheet (found in Appendix C8 - Supporting Costing Material for Flood Mitigation Actions) for a small City DMP.





2023 Nueces Regional Flood Plan Project Summary Sheet

<p>Project Name: Risk Area 31 - Santa Maria</p> <p>FME ID: 131000193</p> <p>Project Sponsor: City of Corpus Christi</p> <p>Project Source: Provided by stakeholders</p> <p>Study Type: Project Planning</p> <p>Related Goal: 5- Structural Inundations</p> <p>Project Cost: \$150,000 (2020 Prices)</p> <p style="text-align: center;">Project Description:</p> <p>Runoff collects and ponds along Santa Maria Lane, leading to road and structure flooding. This project will consist of a study and design project to develop a means to alleviate flooding in the area.</p>	
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2023 Nueces Regional Flood Plan Project Summary Sheet

<p>Project Name: Risk Area 25 - Corpus Christi International Airport</p> <p>FME ID: 131000194</p> <p>Project Sponsor: City of Corpus Christi</p> <p>Project Source: Provided by stakeholders</p> <p>Study Type: Project Planning</p> <p>Related Goal: 5- Structural Inundations</p> <p>Project Cost: (2020 Prices) \$150,000</p> <p>Project Description: Corpus Christi International Airport experiences flooding and mobility issues due to runoff from surrounding drainage creeks. This project will consist of a study and design project to develop a means to alleviate flooding in the area.</p>	
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2023 Nueces Regional Flood Plan Project Summary Sheet

<p>Project Name: Risk Area 23 - Tierra Grande & Crossroads Estates</p> <p>FME ID: 131000195</p> <p>Project Sponsor: City of Corpus Christi</p> <p>Project Source: Provided by stakeholders</p> <p>Study Type: Project Planning</p> <p>Related Goal: 5- Structural Inundations</p> <p>Project Cost: (2020 Prices) \$100,000</p>	<p>Project Description: Tierra Grande and Cross Road Estates experiences local ponding due to terrain and development. This project will consist of a study and design project to develop a means to alleviate flooding in the area.</p>
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2023 Nueces Regional Flood Plan Project Summary Sheet

<p>Project Name: Risk Area 29 - US Naval Base</p> <p>FME ID: 131000196</p> <p>Project Sponsor: City of Corpus Christi</p> <p>Project Source: Provided by stakeholders</p> <p>Study Type: Project Planning</p> <p>Related Goal: 5- Structural Inundations</p> <p>Project Cost: (2020 Prices) \$100,000</p> <p style="text-align: center;">Project Description:</p> <p>Ponding occurs throughout the U.S. Naval Base, leading to mobility issues. This project will consist of a study and design project to develop a means to alleviate flooding in the area.</p>	
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2023 Nueces Regional Flood Plan Project Summary Sheet

Project Name: Risk Area 12 - FM 1694 & TX 44 North

FME ID: 131000197

Project Sponsor: City of Robstown

Project Source: Provided by stakeholders

Study Type: Project Planning

Related Goal: 5- Structural Inundations

Project Cost: \$150,000
(2020 Prices)

Project Description:

Flooding at FM 1694 and HWY 44 causes mobility issues. HWY 44 North also acts as a dam and is causing additional flooding to the west. This project will consist of a study and design project to develop a means to alleviate flooding in the area.





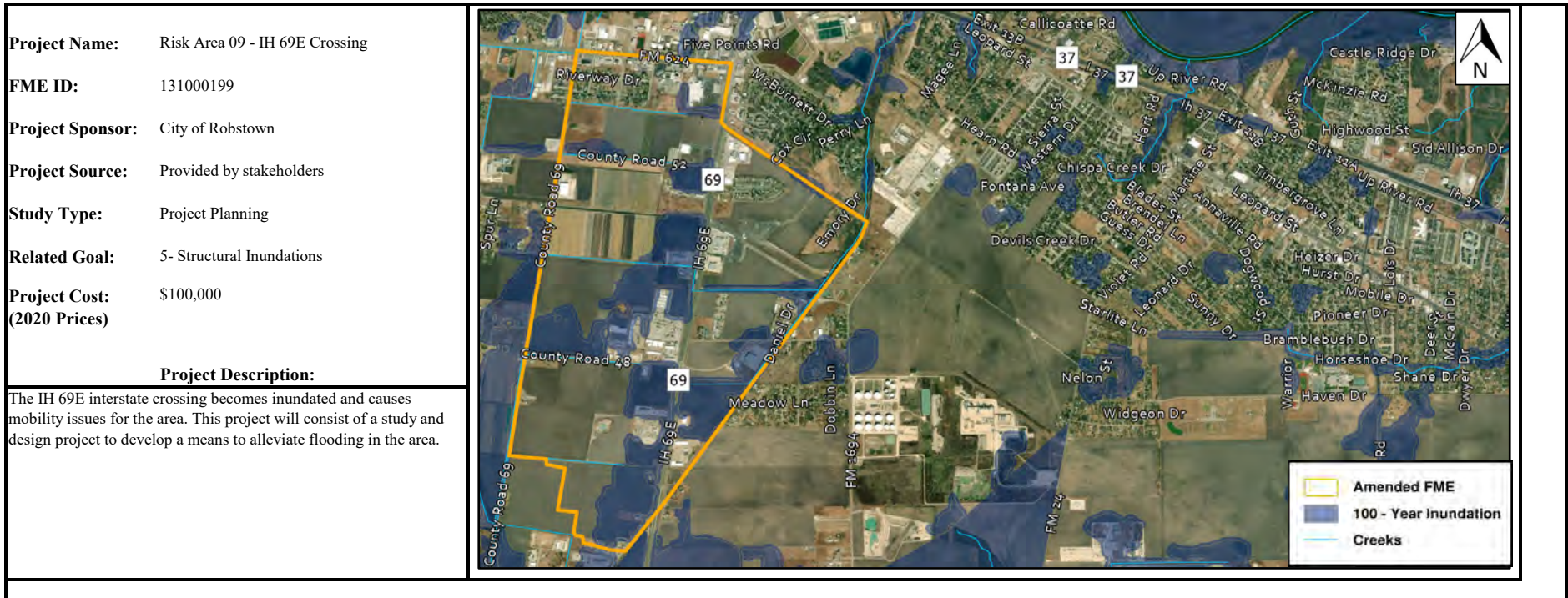
2023 Nueces Regional Flood Plan

Project Summary Sheet

<p>Project Name: Risk Area 21 - FM 665 & CR 69 Area</p> <p>FME ID: 131000198</p> <p>Project Sponsor: City of Robstown</p> <p>Project Source: Provided by stakeholders</p> <p>Study Type: Project Planning</p> <p>Related Goal: 5- Structural Inundations</p> <p>Project Cost: \$100,000 (2020 Prices)</p> <p>Project Description:</p>	<p>Floodwaters overtop portions of FM 665 near its intersection with County Road 69, leading to mobility issues. This project will consist of a study and design project to develop a means to alleviate flooding in the area.</p>
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2023 Nueces Regional Flood Plan Project Summary Sheet





2023 Nueces Regional Flood Plan Project Summary Sheet

Project Name: Risk Area 08 - North Robstown

FME ID: 131000200

Project Sponsor: City of Robstown

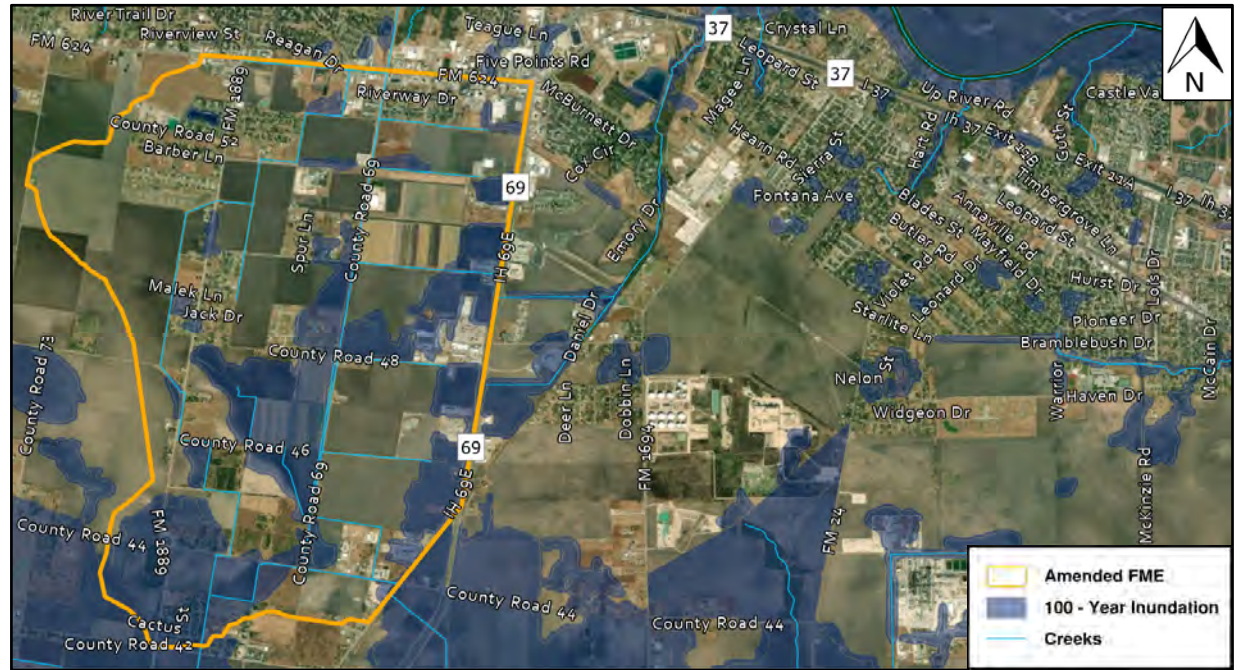
Project Source: Provided by stakeholders

Study Type: Project Planning

Related Goal: 5- Structural Inundations

Project Cost: (2020 Prices) \$150,000

Project Description:
Excessive ponding due to roadways and low terrain frequently occurs in North Robstown. This project will consist of a study and design project to develop a means to alleviate flooding in the area.





2023 Nueces Regional Flood Plan Project Summary Sheet

<p>Project Name: Risk Area 10 - Robstown Drains</p> <p>FME ID: 131000201</p> <p>Project Sponsor: City of Robstown</p> <p>Project Source: Provided by stakeholders</p> <p>Study Type: Project Planning</p> <p>Related Goal: 5- Structural Inundations</p> <p>Project Cost: (2020 Prices) \$150,000</p> <p style="text-align: center;">Project Description:</p> <p>Excess runoff from surrounding streams flows west to east through Robstown. Local ponding and flooding occur in most of the residential area. This project will consist of a study and design project to develop a means to alleviate flooding in the area.</p>	
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2023 Nueces Regional Flood Plan Project Summary Sheet

Project Name: Risk Area 14 - County Road 61 & TX 44

FME ID: 131000202

Project Sponsor: City of Robstown

Project Source: Provided by stakeholders

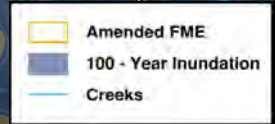
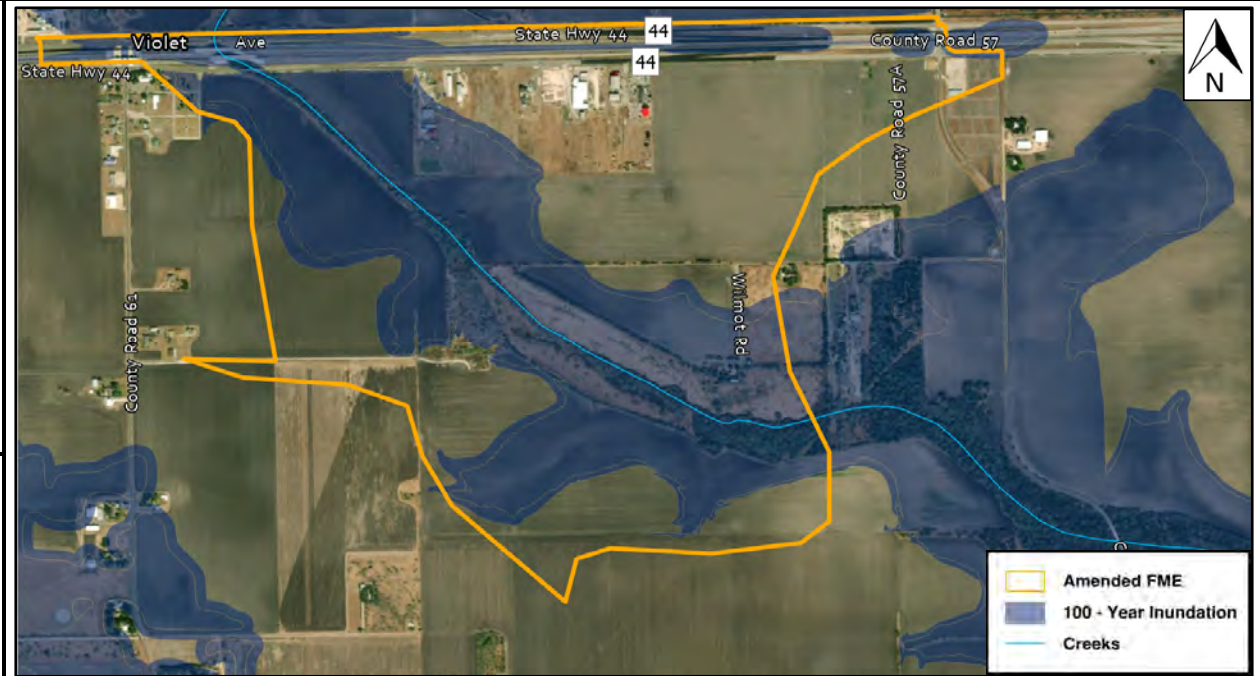
Study Type: Project Planning

Related Goal: 5- Structural Inundations

Project Cost: \$100,000
(2020 Prices)

Project Description:

Runoff and backwater from Oso Creek inundate portions of TX 44 and its intersection with County Road 61, causing mobility issues for the area. This project will consist of a study and design project to develop a means to alleviate flooding in the area.





2023 Nueces Regional Flood Plan Project Summary Sheet

Project Name: Risk Area 13 - FM 1694 & TX 44 South
FME ID: 131000203
Project Sponsor: City of Robstown
Project Source: Provided by stakeholders
Study Type: Project Planning
Related Goal: 5- Structural Inundations
Project Cost: \$100,000
(2020 Prices)

Project Description:

Flooding at FM 1694 and HWY 44 causes mobility issues. HWY 44 South also acts as a dam and is causing additional flooding to the west. This project will consist of a study and design project to develop a means to alleviate flooding in the area.





2023 Nueces Regional Flood Plan Project Summary Sheet

<p>Project Name: Risk Area 18 - FM 892</p> <p>FME ID: 131000204</p> <p>Project Sponsor: City of Robstown</p> <p>Project Source: Provided by stakeholders</p> <p>Study Type: Project Planning</p> <p>Related Goal: 5- Structural Inundations</p> <p>Project Cost: (2020 Prices) \$150,000</p>	<p>Project Description: FM 892 becomes inundated and causes mobility issues for the area. This project will consist of a study and design project to develop a means to alleviate flooding in the area.</p>
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