

Capital Improvement Plan
City of Corpus Christi, Texas

2019 *thru* 2023

Project # E12199
Project Name Bridge Rehabilitation



Type Reconditioning-Asset Longevit
Useful Life 25 years
Category Site Improvements
Department Storm Water
Contact Director of Water Utilities
Priority 2 Critical- Asset Condition\longe

Status Active

Description

This project is to develop a bridge assessment and repair program. Existing City of Corpus Christi Bridges will be inspected to develop a bridge CIP program for maintenance and repairs, and recommendations for regular inspection cycles.

Justification

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft); Sustainability Initiative

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Rehab	83,700	45,100	500,000	500,000		1,128,800
Inspection	20,000		50,000	50,000		120,000
Design	98,800					98,800
Contingency			50,000	50,000		100,000
Total	202,500	45,100	600,000	600,000		1,447,600

Funding Sources	2019	2020	2021	2022	2023	Total
Revenue Bonds	202,500	45,100	600,000	600,000		1,447,600
Total	202,500	45,100	600,000	600,000		1,447,600

Budget Impact/Other

Funding rehab/construction of bridges will decrease operational costs by reducing "emergency" responses and more costly maintenance actions during lifecycle of bridges.

Capital Improvement Plan
City of Corpus Christi, Texas

2019 *thru* 2023

Project # 21044
Project Name Channel Ditch Improvements

Type Improvement/Additions **Department** Storm Water
Useful Life 25 years **Contact**
Category Site Improvements **Priority** 2 Critical- Asset Condition\longe

Status Active



Description

This yearly project will involve minor storm water conveyance improvements, rehab to critical concrete sections, re-contouring, excavation, clearing, upgrading culverts, scour protection and other miscellaneous best management practices throughout the City to create more positive drainage flow during low water conditions and rain events. Improvements will address critical upgrades to reduce flooding on public and private property, improve public safety, improve water quality, improve vector (pest) control, and reduce long-term maintenance costs. Improvements will take place on a routine basis to extent funding allows.

Justification

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft); Sustainability Initiative

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Rehab		500,000	500,000	500,000	2,215,000	3,715,000
Inspection		20,000	20,000	20,000	185,000	245,000
Design		40,000	40,000	40,000	400,000	520,000
Contingency		40,000	40,000	40,000		120,000
Total		600,000	600,000	600,000	2,800,000	4,600,000

Funding Sources	2019	2020	2021	2022	2023	Total
Revenue Bonds		600,000	600,000	600,000	2,800,000	4,600,000
Total		600,000	600,000	600,000	2,800,000	4,600,000

Budget Impact/Other

Restoration of channels and ditches is critical to avoid potential “washouts” that may result in encroachment, flooding and undermining of adjacent public/private structures including streets, bridges, utility lines, buildings, and homes. Additionally, fully funding rehab/construction of major channels can ultimately reduce operational cost by reducing “emergency” responses and more costly maintenance actions during lifecycle of channel. The City complies with regulatory permits by using the following measures: pollution prevention, treatment of pollution removal, storm water monitoring, and minimizing introduction of pollutants into the municipal separate storm sewer system (MS4).

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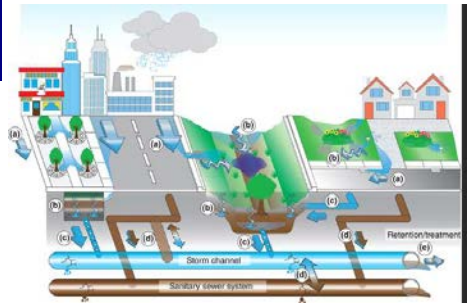
2019 *thru* 2023

Project # 18100
Project Name Citywide Storm Water Infrastructure Rehabilitation

Type Improvement/Additions
Useful Life 25 years
Category Storm Drainage

Department Storm Water
Contact Director of Water Utilities
Priority 2 Critical- Asset Condition\longe

Status Active



Description

This project will systematically rehabilitate and/or replace aging storm water infrastructure city-wide. Project will assess existing conditions of storm water pipe, ditches, channels, and other aging systems that have reached the end of their useful service life and correct as warranted. IDIQ (Indefinite Delivery Indefinite Quantity) contract is included in the 2019 budget.

Justification

Restoration of underground storm water systems, channels, and ditches is critical to avoid potential failures that may result in encroachment, flooding and undermining of adjacent public/private structures including streets, bridges, utility lines, buildings, and homes. Fully funding rehab/construction of storm water infrastructure can reduce operational cost by reducing “emergency” responses and more costly maintenance actions during lifecycle of infrastructure.

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Rehab		1,800,000	5,050,000	5,050,000	5,050,000	16,950,000
Inspection	4,300	50,000	200,000	200,000	200,000	654,300
Design	69,314	46,240	300,000	300,000	300,000	1,015,554
Contingency		50,000	400,000	400,000	400,000	1,250,000
Engineering Svc			40,000	40,000	40,000	120,000
Admin Reimbursement			10,000	10,000	10,000	30,000
Total	73,614	1,946,240	6,000,000	6,000,000	6,000,000	20,019,854

Funding Sources	2019	2020	2021	2022	2023	Total
Revenue Bonds	73,614	1,946,240	6,000,000	6,000,000	6,000,000	20,019,854
Total	73,614	1,946,240	6,000,000	6,000,000	6,000,000	20,019,854

Budget Impact/Other

This project will systematically rehabilitate and/or replace aging storm water infrastructure city-wide. Project will assess existing conditions of storm water pipe, ditches, channels, and other aging systems that have reached the end of their useful service life and correct as warranted.