

Capital Improvement Plan
City of Corpus Christi, Texas

2022 *thru* 2024

Project # 19037
Project Name Citywide Water Line Repair/Replace-Large Diameter



Type Reconditioning-Asset Longevit **Department** Water Department
Useful Life 40 years **Contact** Director of Water Utilities
Category Water Distribution **Priority** 2 Critical- Asset Condition

Status Active

Description

This project provides a strategic lifecycle program for replacement and extension of the City's water distribution system (1,368 miles). The program is flexible and provides a systemic approach to extend service life of the system while enhancing monitoring capability and water quality. Additional benefits will include increased distribution reliability with reduced service outages, and reduced operational costs. A major priority of lifecycle improvements will maximize CIP investments increasing capacity of the system and deferring unnecessary major upgrades to pump stations and plants. This program is in response to the City's Street Preventative Maintenance Program (SPMP) and construction will be completed by Indefinite Delivery/Indefinite Quantity (IDIQ) delivery orders. Some work will be completed using in-house forces to save on costs where applicable.

Justification

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan Extension of service life of water mains is critical to ensuring integrity of the system. This project itself does not increase revenue or decrease expenses, but it prevents cost of maintenance from rising.

Expenditures	Prior Years	2022	2023	2024	Total
Construction/Rehab	10,038,022	8,950,000	9,950,000	9,950,000	38,888,022
Design		762,100	990,000	990,000	2,742,100
Eng, Admin Reimbursements	570,000	654,000	1,203,400	1,203,400	3,630,800
Total	10,608,022	10,366,100	12,143,400	12,143,400	45,260,922

Funding Sources	Prior Years	2022	2023	2024	Total
American Rescue Plan Act		3,762,100	12,143,400		15,905,500
Revenue Bonds	10,608,022	6,604,000		12,143,400	29,355,422
Total	10,608,022	10,366,100	12,143,400	12,143,400	45,260,922

Budget Impact/Other

There is no projected operational impact with this project at this time. A reassessment will be done upon completion of project to determine on-going or maintenance costs. Reference project #18094A for prior contract and projects.

Capital Improvement Plan

2022 *thru* 2024

City of Corpus Christi, Texas

Project # 19010
Project Name Citywide Water Line Repair/Replace-Small Diameter

Type Improvement/Additions
Useful Life 40 years
Category Water Distribution

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

Status Active



Description

This project provides for a strategic lifecycle program replacement of Galvanized Water Lines within the City's water distribution system. The program is flexible and provides a systematic approach to replacing aging water lines while enhancing water quality. Additional benefits will include increased distribution reliability with reduced service outages and reduced operational costs.

Justification

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan
 The extension of service life for water mains is critical to ensuring integrity of the system. This project itself does not increase revenue or decrease expenses, but prevents cost of maintenance from rising.

Expenditures	Prior Years	2022	2023	2024	Total
Construction/Rehab	2,440,000	1,700,000	8,600,000	8,600,000	21,340,000
Inspection	120,000	100,000	100,000	100,000	420,000
Design	800,000				800,000
Contingency		100,000	200,000	200,000	500,000
Eng, Admin Reimbursements	680,500	230,000	1,100,000	1,100,000	3,110,500
Total	4,040,500	2,130,000	10,000,000	10,000,000	26,170,500

Funding Sources	Prior Years	2022	2023	2024	Total
PAYGO	2,130,000				2,130,000
Revenue Bonds	1,910,500	2,130,000	10,000,000	10,000,000	24,040,500
Total	4,040,500	2,130,000	10,000,000	10,000,000	26,170,500

Budget Impact/Other

There is no projected operational impact with this project at this time. A reassessment will be done upon completion of project to determine on-going or maintenance costs.