

Project Number: SW037
Project Title: Corrugated Metal Pipes (CMP) Repair & Replacement Program
Department Name: Public Works

Asset Type: Stormwater Management
CIP Status: New
Project Category: Capital Maintenance

Budget Year: 2020
Category Code: A
Sector:

Project Purpose:

This is a multiyear program that will identify and prioritize all the CMP within the City in order to replace or repair them.

Project Narrative:

This project seeks to determine the condition and solutions to maintaining all the City's CMP pipe within its stormwater infrastructure. There are twelve & a half miles of existing CMPs at 778 different locations, averaging over 30 years old and ranging from 10 to 60 inches in diameter. With CIP funds being limited, having a 10 year maintenance plan for repairs and replacements enables the City to budget these costs annually, minimizing emergency repairs and high replacement costs. In 2018, an engineering firm located and did a quick assessment of these pipes due to a high amount of sink holes reported around the City. The findings show that the vast majority of them need replacement or repair and have been the main causes of sinkholes in our Right of Ways and near detention areas. In 2019, all the CMPs were evaluated and prioritized for restoration. Improvements were made to the Oleson and Hobson Mill culverts. In 2020, the Book Road culvert will be repaired.

External Funding Sources Available:

Projected Timetable:

2019 - A detailed plan developed to repair/replace the rest of the CMPs over a ten year period. Olesen and Hobson Mill repaired.
 2020- Repair of Book Rd Culvert
 2021 - Repair and Replacement of CMPs per the plan developed, including the culvert on Gartner and Edgewater.

Impact on Operating Budget:

Funding Source Summary

Funding Source	2020	2021	2022	2023	2024	Total Source
Home Rule Sales Tax	180,000	180,000	180,000	180,000	180,000	900,000
Unfunded Capital	0	3,600	7,272	11,017	14,838	36,727
Totals	180,000	183,600	187,272	191,017	194,838	936,727

Project Cost Summary

Expense Category	2019 Budget	2020	2021	2022	2023	2024	Total CIP
Construction	150,000	150,000	153,000	156,060	159,181	162,365	780,606
Professional Services	30,000	30,000	30,600	31,212	31,836	32,473	156,121
Totals	180,000	180,000	183,600	187,272	191,017	194,838	936,727

