

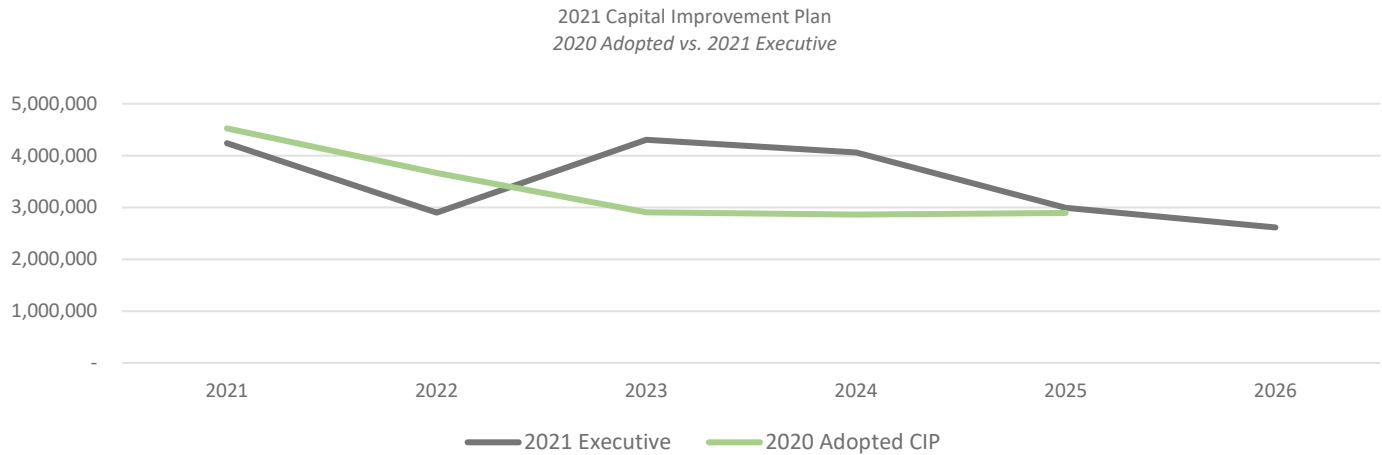
# Sewer Utility

## Capital Improvement Plan

### Project Summary: Executive Budget

	2021	2022	2023	2024	2025	2026
Citywide Pumping Stations-Emergency Power Sta	58,000	58,000	58,000	58,000	58,000	60,000
Lift Station Rehabilitation and Replacement	1,289,000	231,000	656,000	613,000	556,000	164,000
Sewer Access Improvements	220,000	130,000	130,000	130,000	135,000	142,000
Sewer Impact Fee Districts	-	-	1,200,000	1,000,000	-	-
Sewer Reconstruction	981,000	722,000	500,000	500,000	516,000	437,000
Trenchless Sewer Rehabilitation	1,690,000	1,760,000	1,760,000	1,760,000	1,724,000	1,810,000
<b>Total</b>	<b>\$ 4,238,000</b>	<b>\$ 2,901,000</b>	<b>\$ 4,304,000</b>	<b>\$ 4,061,000</b>	<b>\$ 2,989,000</b>	<b>\$ 2,613,000</b>

### Changes from 2020 CIP



### Major Changes

- **Lift Station Projects**  
Stand alone Lift Station projects consolidated under Lift Station Rehabilitation program-no budgetary change
- **Sewer Reconstruction**  
Program budget increased to reflect moving projects previously included in Major Streets-Reconstruction Streets program (\$1.3m)
- **Sewer Impact Fee Districts**  
Project moved from 2021/22 to 2023/24
- **Trenchless Sewer Rehabilitation**  
Program budget increased by \$400k over enter CIP

# Sewer Utility

## Budget Overview

### 2021 CIP by Expenditure Type

	2021	2022	2023	2024	2025	2026
Land Improvements	220,000	130,000	130,000	130,000	135,000	142,000
Sanitary Sewer	4,018,000	2,771,000	4,174,000	3,931,000	2,854,000	2,471,000
<b>Total</b>	<b>\$ 4,238,000</b>	<b>\$ 2,901,000</b>	<b>\$ 4,304,000</b>	<b>\$ 4,061,000</b>	<b>\$ 2,989,000</b>	<b>\$ 2,613,000</b>

### 2021 CIP by Funding Source

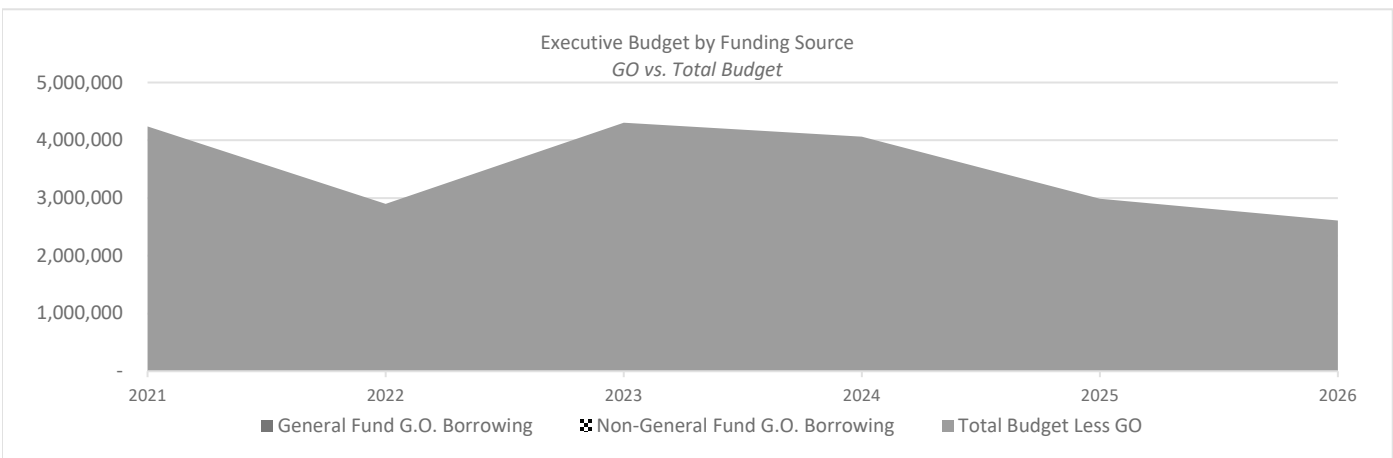
	2021	2022	2023	2024	2025	2026
Impact Fees	-	-	1,200,000	1,000,000	-	-
Reserves Applied	906,000	1,136,000	1,225,000	1,166,000	1,091,000	994,000
Revenue Bonds	2,840,000	1,760,000	1,874,000	1,890,000	1,893,000	1,614,000
Special Assessment	492,000	5,000	5,000	5,000	5,000	5,000
<b>Total</b>	<b>\$ 4,238,000</b>	<b>\$ 2,901,000</b>	<b>\$ 4,304,000</b>	<b>\$ 4,061,000</b>	<b>\$ 2,989,000</b>	<b>\$ 2,613,000</b>

### Borrowing Summary

	2021	2022	2023	2024	2025	2026
<b>Borrowing Schedule</b>						
General Fund G.O. Borrowing	-	-	-	-	-	-
Non-General Fund G.O. Borrowing	-	-	-	-	-	-
<b>Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

### Annual Debt Service

General Fund G.O. Borrowing	-	-	-	-	-	-
Non-General Fund G.O. Borrowing	-	-	-	-	-	-



# Sewer Utility

## Project Overview

Project	<b>Citywide Pumping Stations-Emergency Power Stationary Generators</b>	Project #	<b>11510</b>
Citywide Element	<b>Green and Resilient</b>	Project Type	<b>Program</b>

### Project Description

This program is for emergency power stationary generators at the City's pumping stations. The goal of the program is to ensure continuous sanitary service in the event of power loss. Projects funded in this program include the purchase and installation of generators to provide continuous power to sanitary sewer lift stations. Funding in 2021 is for a back-up generator at the Arbor Hills Lift Station.

### Project Budget by Funding Source

	2021	2022	2023	2024	2025	2026
Reserves Applied	58,000	58,000	58,000	58,000	58,000	60,000
<b>TOTAL</b>	<b>\$ 58,000</b>	<b>\$ 58,000</b>	<b>\$ 58,000</b>	<b>\$ 58,000</b>	<b>\$ 58,000</b>	<b>\$ 60,000</b>

Project	<b>Lift Station Rehabilitation and Replacement</b>	Project #	<b>10268</b>
Citywide Element	<b>Green and Resilient</b>	Project Type	<b>Program</b>

### Project Description

This program funds rehabilitation and replacement of the Sewer Utility's 29 wastewater lift stations and force mains. The goal of this program is to maintain system reliability and to reduce the number of back-ups or emergency incidents. Projects funded in this program range from smaller repairs to full lift station replacements. Projects in 2021 include the replacement of the Truax Lift Station and smaller repairs to the Carroll and Veith Lift Stations. The 2021 Capital Improvement Plan (CIP) consolidates all lift station maintenance projects into one program. Construction of new lift stations will appear as standalone projects in future CIPs.

### Project Budget by Funding Source

	2021	2022	2023	2024	2025	2026
Reserves Applied	289,000	231,000	296,000	253,000	196,000	164,000
Revenue Bonds	1,000,000	-	360,000	360,000	360,000	-
<b>TOTAL</b>	<b>\$ 1,289,000</b>	<b>\$ 231,000</b>	<b>\$ 656,000</b>	<b>\$ 613,000</b>	<b>\$ 556,000</b>	<b>\$ 164,000</b>

Project	<b>Sewer Access Improvements</b>	Project #	<b>10437</b>
Citywide Element	<b>Effective Government</b>	Project Type	<b>Program</b>

### Project Description

This program is for improving access to sanitary sewer structures. The goal of this program is to provide City Operations crews with safe access to maintain the City's sanitary sewer system. Projects funded in this program include access roads, paths, trails, and easements, and are identified by operations crews based on areas that are not accessible to perform preventative maintenance work. The primary project planned for 2021 is improving access to a sewer off of Packers Avenue south of Dovetail Drive.

### Project Budget by Funding Source

	2021	2022	2023	2024	2025	2026
Reserves Applied	220,000	130,000	130,000	130,000	135,000	142,000
<b>TOTAL</b>	<b>\$ 220,000</b>	<b>\$ 130,000</b>	<b>\$ 130,000</b>	<b>\$ 130,000</b>	<b>\$ 135,000</b>	<b>\$ 142,000</b>

Project  
Citywide Element

**Sewer Impact Fee Districts**  
**Effective Government**

Project # **11678**  
Project Type **Program**

*Project Description*

This program is for the extension of sanitary sewer service to developing areas of the City requiring sewer infrastructure installation. The goal of the program is to ensure developing areas of the City have access to sewage services. Projects funded in this program are reviewed annually as dictated by demand for development. No projects are planned for 2021. Funding in 2023 is for the Felland Road Neighborhood, and funding in 2024 is for the Pumpkin Hollow Neighborhood.

*Project Budget by Funding Source*

	2021	2022	2023	2024	2025	2026
Impact Fees	-	-	1,200,000	1,000,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,200,000</b>	<b>\$ 1,000,000</b>	<b>\$ -</b>	<b>\$ -</b>

Project  
Citywide Element

**Sewer Reconstruction**  
**Green and Resilient**

Project # **10267**  
Project Type **Program**

*Project Description*

This program is for replacing old sewers throughout the City. The goal of this program is to alleviate emergency sewer repairs and back-ups by replacing the sewer infrastructure that is past its useful life. Coordination for the replacement of these sewers often gets completed with the Reconstruct Streets and Pavement Management programs within the Engineering-Major Streets budget. Projects funded in this program are determined on a case-by-case basis based on sewer condition. Projects planned for 2021 include the Dearholt Sewer replacement in the Westgate Mall (Whitney Way) area, replacement of a sewer on Grimm Street, and other smaller repairs citywide.

*Project Budget by Funding Source*

	2021	2022	2023	2024	2025	2026
Reserves Applied	99,000	217,000	241,000	225,000	211,000	111,000
Revenue Bonds	390,000	500,000	254,000	270,000	300,000	321,000
Special Assessment	492,000	5,000	5,000	5,000	5,000	5,000
<b>TOTAL</b>	<b>\$ 981,000</b>	<b>\$ 722,000</b>	<b>\$ 500,000</b>	<b>\$ 500,000</b>	<b>\$ 516,000</b>	<b>\$ 437,000</b>

Project  
Citywide Element

**Trenchless Sewer Rehabilitation**  
**Green and Resilient**

Project # **10450**  
Project Type **Program**

*Project Description*

This program funds the rehabilitation of failing sewers by lining the existing sewer mains using cameras and remote controlled tools. The goal of this program is to repair nine miles of sewer mains annually, with priority given to backyard sewer mains. Many projects funded in this program address inflow and infiltration problems. Projects for 2021 will be identified by City staff based on the location and nature of the sewer's defects.

*Project Budget by Funding Source*

	2021	2022	2023	2024	2025	2026
Reserves Applied	240,000	500,000	500,000	500,000	491,000	517,000
Revenue Bonds	1,450,000	1,260,000	1,260,000	1,260,000	1,233,000	1,293,000
<b>TOTAL</b>	<b>\$ 1,690,000</b>	<b>\$ 1,760,000</b>	<b>\$ 1,760,000</b>	<b>\$ 1,760,000</b>	<b>\$ 1,724,000</b>	<b>\$ 1,810,000</b>

# Sewer Utility

## 2021 Appropriation Schedule

### 2021 Appropriation

### Executive Budget

	Request	GO Borrowing	Other	Total
Citywide Pumping Stations-Emergency Power Stationary Generators	58,000	-	58,000	58,000
Lift Station Rehabilitation and Replacement	1,289,000	-	1,289,000	1,289,000
Sewer Access Improvements	220,000	-	220,000	220,000
Sewer Reconstruction	981,000	-	981,000	981,000
Trenchless Sewer Rehabilitation	1,690,000	-	1,690,000	1,690,000
<b>Total 2021 Appropriation</b>	<b>\$ 4,238,000</b>	<b>\$ -</b>	<b>\$ 4,238,000</b>	<b>\$ 4,238,000</b>