

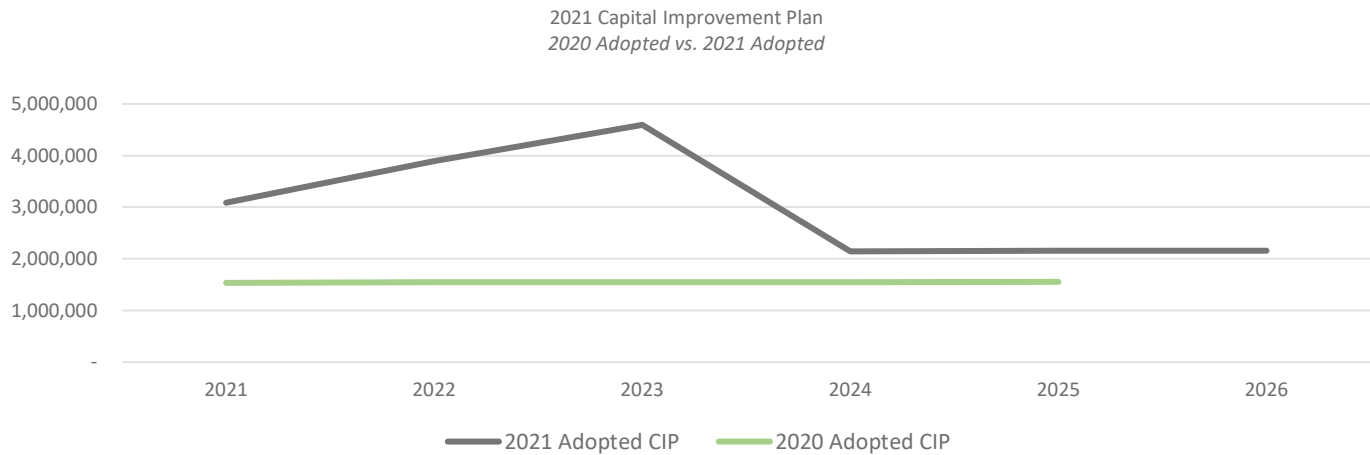
Traffic Engineering

Capital Improvement Plan

Project Summary: Adopted Budget

	2021	2022	2023	2024	2025	2026
Citywide LED Conversion	850,000	750,000	1,500,000	-	-	-
John Nolen Tunnel Lighting	-	1,000,000	-	-	-	-
Public Safety Radio System	150,000	150,000	1,100,000	150,000	150,000	150,000
Street Light Installation	610,000	615,000	615,000	615,000	620,000	620,000
Temporary Traffic Control & Lighting	100,000	-	-	-	-	-
Traffic Safety Infrastructure	50,000	50,000	50,000	50,000	50,000	50,000
Traffic Signal Installation	825,000	830,000	830,000	830,000	835,000	835,000
Vision Zero	500,000	500,000	500,000	500,000	500,000	500,000
Total	\$ 3,085,000	\$ 3,895,000	\$ 4,595,000	\$ 2,145,000	\$ 2,155,000	\$ 2,155,000

Changes from 2020 CIP



Major Changes

- Citywide LED Conversion
Project added to CIP to convert all remaining Street Lights to LED (\$3.1m)
- John Nolen Tunnel Lighting
Project added to CIP (\$1.0m)
- Public Safety Radio System
Funding added to purchase backup system in 2023 (\$950k)
Annual funding increased for hardware equipment purchases (\$600k)
- Temporary Traffic Control & Lighting
Project added to CIP (\$100k)
- Vision Zero
Project added to CIP (\$3.0m)

Traffic Engineering

Budget Overview

2021 CIP by Expenditure Type

	2021	2022	2023	2024	2025	2026
Land Improvements	50,000	50,000	50,000	50,000	50,000	50,000
Machinery and Equipment	1,575,000	1,480,000	2,430,000	1,480,000	1,485,000	1,485,000
Streetlighting	1,460,000	2,365,000	2,115,000	615,000	620,000	620,000
Total	\$ 3,085,000	\$ 3,895,000	\$ 4,595,000	\$ 2,145,000	\$ 2,155,000	\$ 2,155,000

2021 CIP by Funding Source

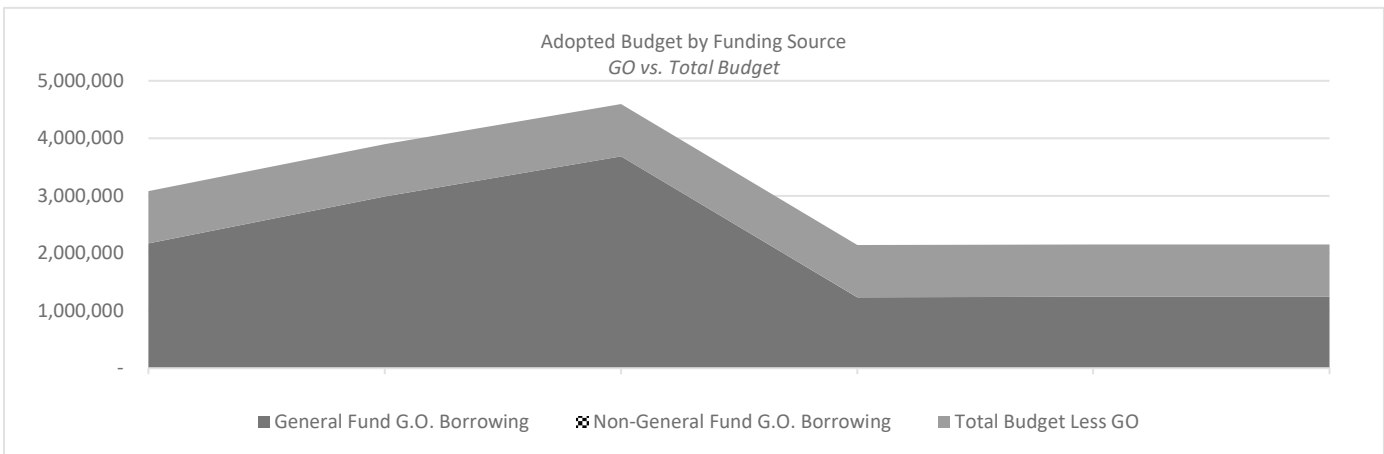
	2021	2022	2023	2024	2025	2026
GF GO Borrowing	2,175,000	2,985,000	3,685,000	1,235,000	1,245,000	1,245,000
County Sources	45,000	45,000	45,000	45,000	45,000	45,000
Developer Capital Funding	410,000	410,000	410,000	410,000	410,000	410,000
Other Govt Pmt For Services	80,000	80,000	80,000	80,000	80,000	80,000
Special Assessment	275,000	275,000	275,000	275,000	275,000	275,000
State Sources	100,000	100,000	100,000	100,000	100,000	100,000
Total	\$ 3,085,000	\$ 3,895,000	\$ 4,595,000	\$ 2,145,000	\$ 2,155,000	\$ 2,155,000

Borrowing Summary

	2021	2022	2023	2024	2025	2026
Borrowing Schedule						
General Fund G.O. Borrowing	2,175,000	2,985,000	3,685,000	1,235,000	1,245,000	1,245,000
Non-General Fund G.O. Borrowing	-	-	-	-	-	-
Total	\$ 2,175,000	\$ 2,985,000	\$ 3,685,000	\$ 1,235,000	\$ 1,245,000	\$ 1,245,000

Annual Debt Service

General Fund G.O. Borrowing	282,750	388,050	479,050	160,550	161,850	161,850
Non-General Fund G.O. Borrowing	-	-	-	-	-	-



Traffic Engineering

Project Overview

Project	Citywide LED Conversion	Project #	13065
Citywide Element	Green and Resilient	Project Type	Project

Project Description

This project is to convert all remaining City streetlights to LED. The goal of this project is to replace street light fixtures with more energy efficient LED fixtures, reducing energy usage and costs. The project's scope includes equipment costs for the replacement of all non-LED streetlight fixtures. Non-LED fixtures represent 66% of streetlight fixtures citywide. Completion of the project is estimated to save \$390,000 in electricity costs annually. These projected savings do not include debt service costs.

Project Budget by Funding Source

	2021	2022	2023	2024	2025	2026
GF GO Borrowing	850,000	750,000	1,500,000	-	-	-
TOTAL	\$ 850,000	\$ 750,000	\$ 1,500,000	\$ -	\$ -	\$ -

Project	John Nolen Tunnel Lighting	Project #	12730
Citywide Element	Land Use and Transportation	Project Type	Project

Project Description

This project funds replacing the current tunnel lighting on John Nolen Drive under Monona Terrace. The goal of the project is to improve safety along the existing roadway by replacing the existing lighting that has been damaged by snow and stormwater runoff. The scope of the project includes the updated lighting infrastructure and installation costs. Funding to study this project was included in the 2020 capital budget. Construction of the project is scheduled for 2022.

Project Budget by Funding Source

	2021	2022	2023	2024	2025	2026
GF GO Borrowing	-	1,000,000	-	-	-	-
TOTAL	\$ -	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -

Project	Public Safety Radio System	Project #	10420
Citywide Element	Healthy and Safe	Project Type	Program

Project Description

This program is for digital emergency communication equipment. The program's goal is to build redundancy to ensure the continuation of operations in case of major disruptions. The program's scope is focused on purchasing equipment and the corresponding software to operate the equipment. Funding in 2023 will be used to purchase a backup system to safeguard against system interruptions. The ongoing operating costs associated with the public safety radio system that was recently implemented are estimated to be between \$600,000-\$1.0m. These costs will begin to be incurred in 2021 and are reflected in the 2021 Operating Budget. Common Council Amendment #8 increased capital funding by \$100,000 annually to be used for annual hardware equipment purchases.

Project Budget by Funding Source

	2021	2022	2023	2024	2025	2026
GF GO Borrowing	150,000	150,000	1,100,000	150,000	150,000	150,000
TOTAL	\$ 150,000	\$ 150,000	\$ 1,100,000	\$ 150,000	\$ 150,000	\$ 150,000

Traffic Engineering

2021 Appropriation Schedule

2021 Appropriation

Adopted Budget

	Request	Executive	GO Borrowing	Other	Total
Citywide LED Conversion	1,500,000	850,000	850,000	-	850,000
Public Safety Radio System	50,000	50,000	150,000	-	150,000
Street Light Installation	610,000	610,000	170,000	440,000	610,000
Temporary Traffic Control & Lighting	100,000	100,000	100,000	-	100,000
Traffic Safety Infrastructure	50,000	50,000	50,000	-	50,000
Traffic Signal Installation	825,000	825,000	355,000	470,000	825,000
Vision Zero	500,000	500,000	500,000	-	500,000
Total 2021 Appropriation	\$ 3,635,000	\$ 2,985,000	\$ 2,175,000	\$ 910,000	\$ 3,085,000