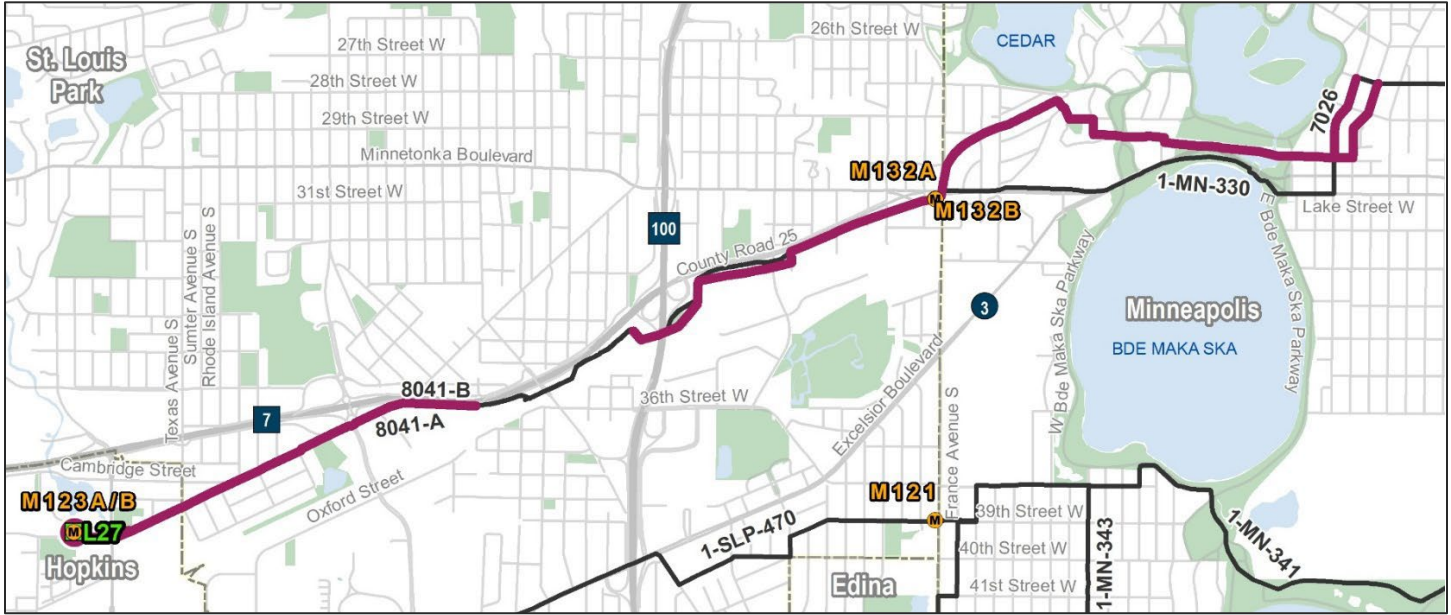


# Program 8041 – Hopkins System Improvements



Program 8041 project areas from Lift Station 27 in Hopkins northeast to the area north of Bde Maka Ska

## Description

The program provides for the replacement of a 5-mile-long forcemain, known as the Hopkins forcemain, and lift station L27, located in the city of Hopkins. The forcemain is a single 24- to 30-inch interceptor pipe that begins in Hopkins at the intersection of Blake Road and Lake Street and passes through St. Louis Park and Minneapolis, where it discharges to the 1-MN-330 gravity interceptor sewer. The system serves the cities of Hopkins, St. Louis Park, and Minneapolis. The new forcemain system is constructed as a dual 18- to 24-inch pipe system. The new 6.3 MGD lift station is constructed 700 feet to the west of the existing lift station.

## Purpose and justification

These facilities are over 40 years old, have significant condition issues, and lack redundancy. The existing forcemain is constructed as pre-stressed concrete cylinder pipe, which is susceptible to internal and external corrosion. In 2000, a corroded section of the forcemain collapsed within the Dean neighborhood of Minneapolis. In addition, the existing lift station is undersized, with little storage. This presented an operational limitation to addressing malfunctions at the lift station without causing backups to homes or spills.

## Program location

The active projects within this program are in the following Council districts: 6

## Active projects in program

Due to funding shortages in this program, the last two construction projects in Minneapolis are planned to be funded under the Interceptor Rehabilitation Program 809000. The Hopkins System Improvements family is only used for funding the consultants and the cooperative construction agreements on the two remaining Minneapolis projects.

Project Number	Project Title
804100	Hopkins Systems Improvements (Parent Project)
804125	HSI East Isles Forcemain Improvements

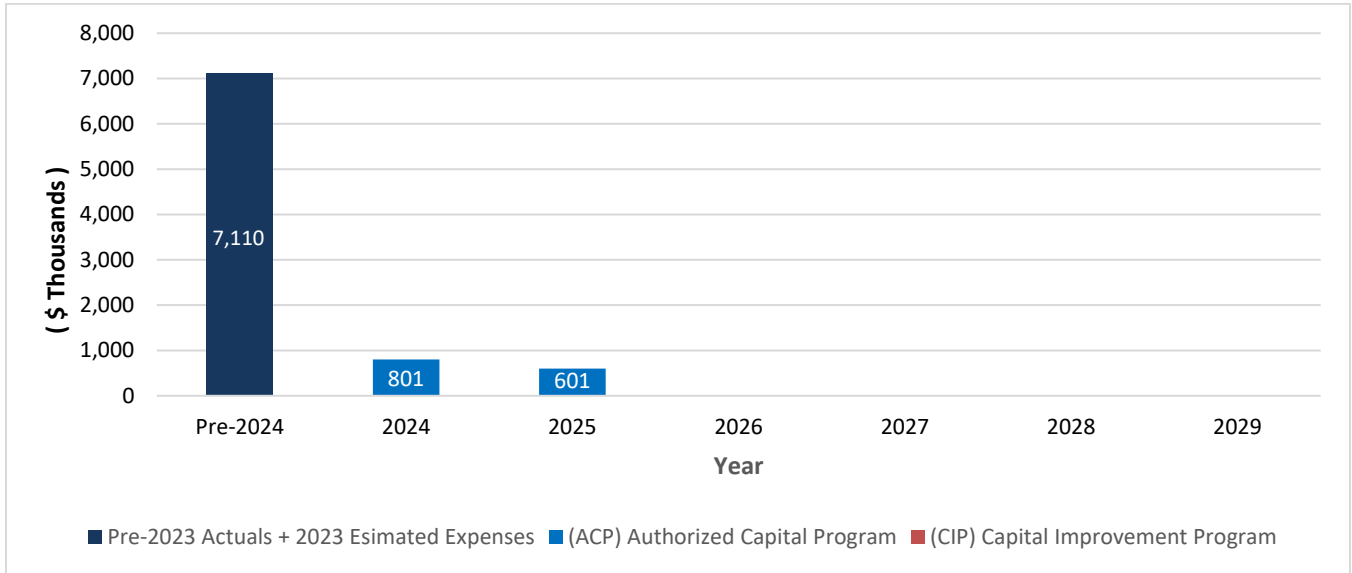
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### Environmental Services 2024 through 2029 Capital Program

- Authorized Capital Program (ACP): \$8,512,970
- Capital Improvement Plan (CIP): \$0

### Estimated program cash flow from 2024 through 2029

Note: the ACP is the total amount of all past and present authorizations including pre-2024 expenses.



Project location: Council district #6, City of Minneapolis, The Mall Park, Humboldt Avenue



Map of Project #804125 location east and southeast of Lake of the Isles

**Project type**

Interceptor Improvements

**Objectives**

Asset Preservation and Quality Improvements

**Scope**

The project includes only the planning and design phases for the replacement of 2500 lineal feet of 24” concrete forcemain with two 24” diameter forcemains. Cooperative construction with the City of Minneapolis and Minneapolis Park and Recreation Board to complete city improvements in the area. The construction of the improvements on Humboldt Avenue are under ES project number 819015. The construction of the improvements within The Mall Park are under ES project number 819020.

**Project need**

Without a redundant forcemain, inspecting the existing 24” concrete forcemain is difficult, and there is significant potential for corrosion given the pipe material and age. An upstream section of the forcemain collapsed in 2000. The vortex drop structure between the forcemain and interceptor 1-MN-330 at 27th Street and Humboldt Avenue South is severely corroded is at risk of failure.

**Project schedule:**



Planning: 2018



Design: 2019 through 2023



Construction: 2022 through 2024

**Financial analysis**

2024 cash flow:	\$465,000
Current ACP:	\$1,320,000
2024 through 2029 cash flow:	\$465,000
Total project cost:	\$1,320,000