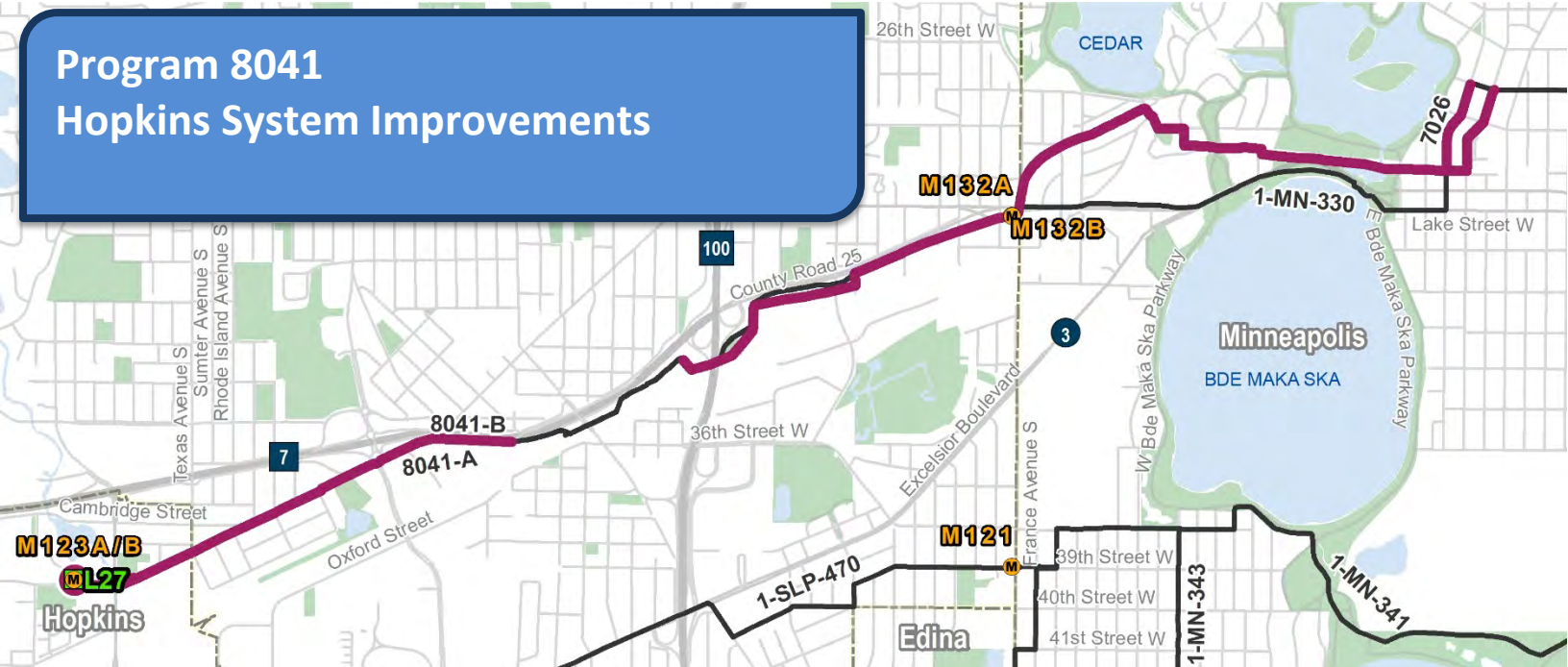


# Program 8041 Hopkins System Improvements



## Description:

The Program provides for the replacement of a 5-mile-long force main, known as the Hopkins force main, and lift station L27 located in the city of Hopkins. The force main is a single 24 to 30-inch interceptor pipe that begins in Hopkins at the intersection of Blake Rd and Lake St 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 force main 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 force main is constructed as Prestressed Concrete Cylinder Pipe which is susceptible to internal and external corrosion. In 2000, a corroded section of the force main 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: District # 5 and 6

## Active Projects in Program:

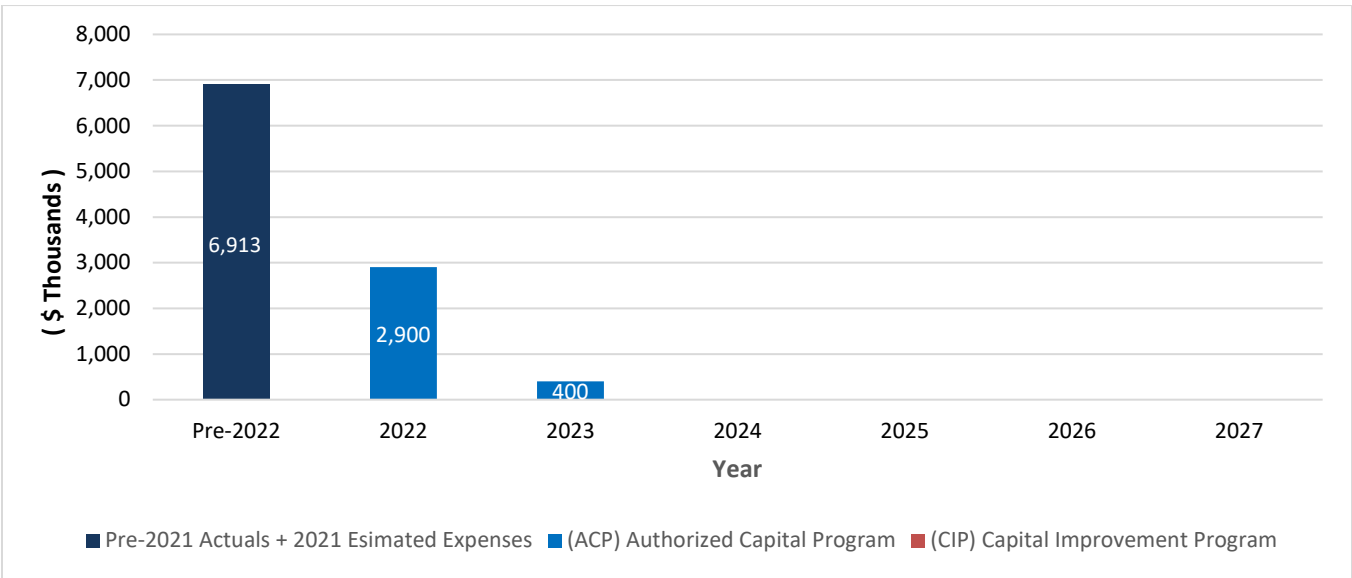
Due to funding shortages in this program, the last two construction projects in Minneapolis are planned to be funded under the Interceptor Rehabilitation Program 809000. The Hopkins System Improvements family is only used for funding the consultants and the cooperative construction agreements on the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

Project Number	Project Title
804100	Hopkins Systems Improvements (Parent Project)
804125	HSI East Isles Force Main Improvements
804136	HSI Cooperative Agreements

**MCES 2022 – 2027 Capital Program:**

Authorized Capital Program (ACP) \$10,213,000	Capital Improvement Plan (CIP) \$0
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**Estimated Program Cash Flow 2022 - 2027:**

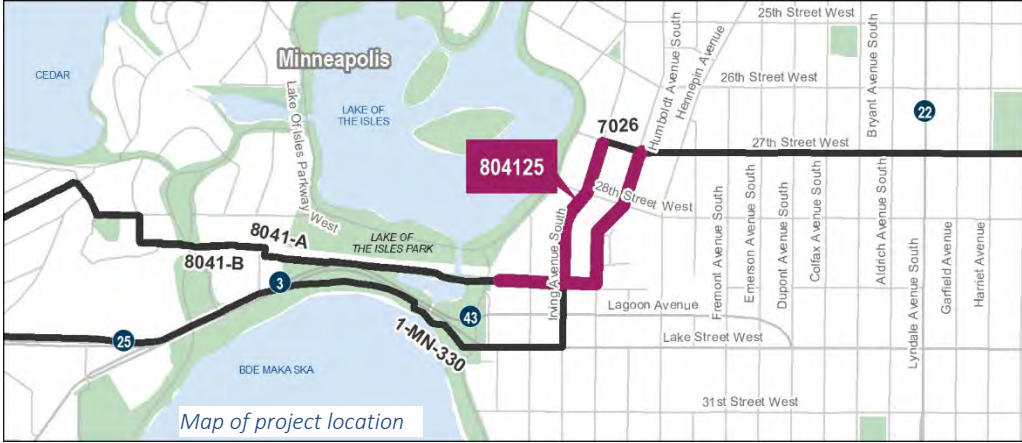


Note: The ACP is the total amount of all past and present authorizations including Pre-2022 Expenses.

Program Family: 8041  
Project # 804125

# HSI East Isles Forcemain Improvements

Project Location:  
Council District # 6  
City of Minneapolis  
The Mall Park,  
Humboldt Ave



<b>PROJECT TYPE:</b>	Interceptor Rehabilitation
<b>OBJECTIVES:</b>	Preservation and Quality Improvement
<b>CUSTOMER LEVEL OF SERVICE:</b>	Conveys wastewater safely with minimal backups and spills
<b>SCOPE:</b>	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 Ave are under MCES project number 819015. The construction of the improvements within The Mall Park are under MCES project number 819020
<b>PROJECT NEED:</b>	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 27 <sup>th</sup> Street and Humboldt Ave. S. is severely corroded is at risk of failure.

## PROJECT SCHEDULE



## FINANCIAL ANALYSIS

<b>2022 Cash Flow</b> \$1,200,000	<b>Current ACP</b> \$1,798,000	<b>2022 – 2027 Cash Flow</b> \$1,200,000	<b>Total Project Cost</b> \$1,798,000
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