

## Program 8092 Minneapolis Interceptor System Rehabilitation – Phase 2



Fourth Street Tunnel Repairs



1930's constructed tunnel

### Description:

This program includes facility planning and new projects to address aging infrastructure within or contributory to the City of Minneapolis. Potential projects include:

- Interceptor 1-MN-303 Pipe-in-Pipe Rehabilitation
- Interceptor 1-MN-320 Improvements

### Purpose and Justification:

Interceptors in Minneapolis were constructed as early as 1891 and included tunnels constructed in the 1930's to intercept the old combined sewers. Additional planning work is required to both identify projects needed to address capacity and to repair existing facilities. These projects will be prioritized into the future CIP.

### Program Location:

The active projects within this program are in the following Council Districts: District # 6, 7 & 8

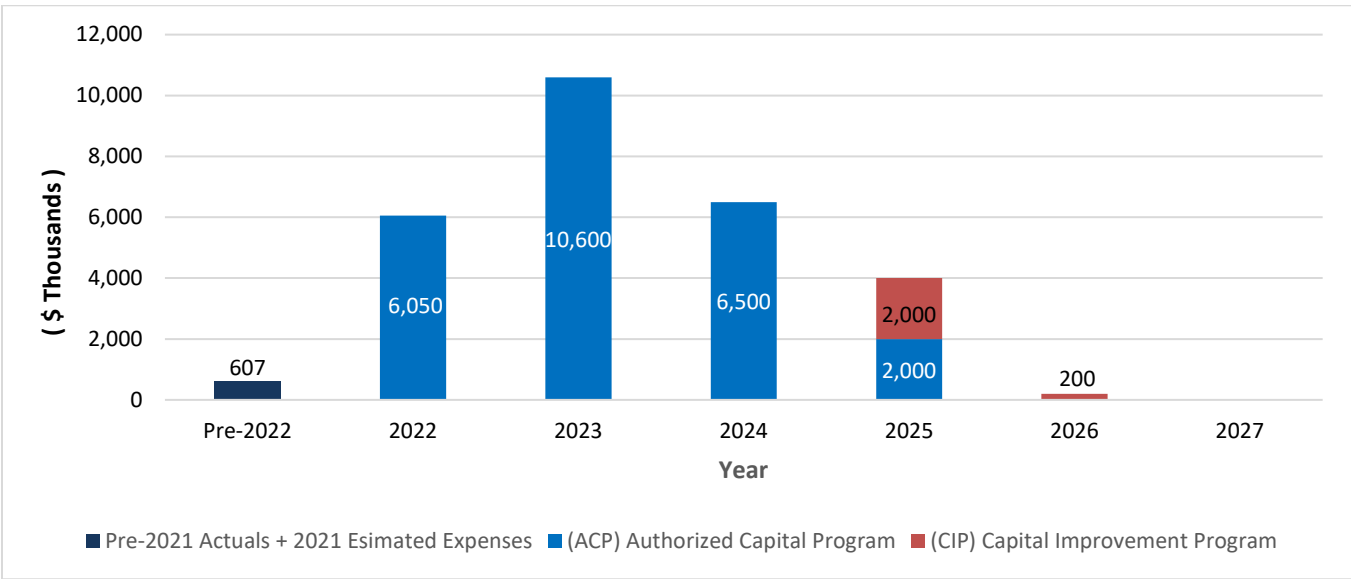
### Active Projects in Program:

Project Number	Project Title
809200	Minneapolis Interceptor Rehabilitation Phase 2 (Parent Project) – Facility Planning
809205	Interceptor 1-MN-320 Improvements
809209	Basset Creek Tunnel Improvements
809211	1-MN-303 Pipe-in-Pipe Rehabilitation

## MCES 2022 – 2027 Capital Program:

<b>Authorized Capital Program (ACP)</b> \$25,757,000	<b>Capital Improvement Plan (CIP)</b> \$2,200,000
---	--

### Estimated Program Cash Flow 2022 - 2027:

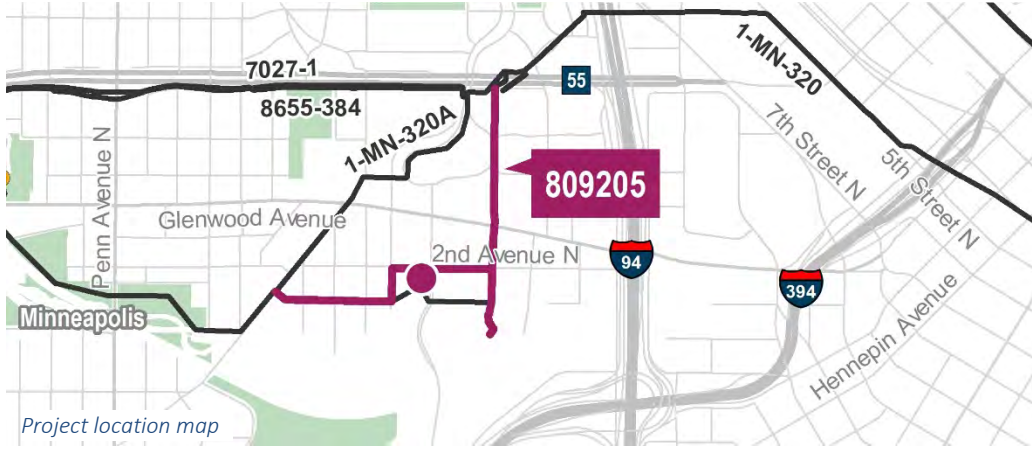


Note: The ACP is the total amount of all past and present authorizations including Pre-2022 Expenses.

Program Family: 8092  
Project # 809205

# 1-MN-320 Improvement Study

Project Location:  
1-MN-320  
Council District # 6  
City: Minneapolis  
Location  
Currie Avenue



<b>PROJECT TYPE:</b>	Study
<b>OBJECTIVES:</b>	Preservation
<b>CUSTOMER LEVEL OF SERVICE:</b>	Provide conveyance and treatment capacity consistent with regional and local plans
<b>SCOPE:</b>	Evaluate condition and identify conceptual improvements
<b>PROJECT NEED:</b>	Prevent future emergency repairs

## PROJECT SCHEDULE



## FINANCIAL ANALYSIS

2022 Cash Flow \$1,700,000	Current ACP \$15,558,000	2022 – 2027 Cash Flow \$15,300,000	Total Project Cost \$15,558,000
-------------------------------	-----------------------------	---------------------------------------	------------------------------------

Program Family: 8092  
Project # 809209

# 1-MN-320 Bassett Creek Tunnel

Project Location:  
1-MN-320  
Council District # 6  
City: Minneapolis  
Location  
Van White Blvd



<b>PROJECT TYPE:</b>	Interceptor Rehabilitation
<b>OBJECTIVES:</b>	Preservation
<b>CUSTOMER LEVEL OF SERVICE:</b>	Provide conveyance and treatment capacity consistent with regional and local plans
<b>SCOPE:</b>	Rehabilitate the interceptor section under Highway 55
<b>PROJECT NEED:</b>	Prevent future emergency repairs

## PROJECT SCHEDULE



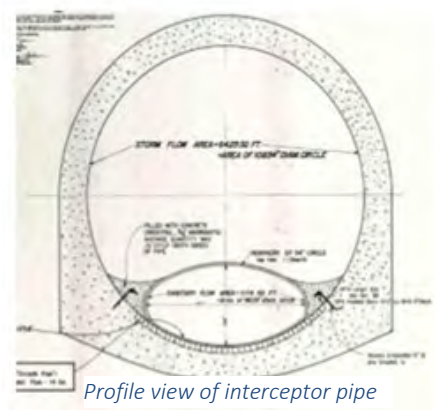
## FINANCIAL ANALYSIS

<b>2022 Cash Flow</b> \$2,000,000	<b>Current ACP</b> \$2,200,000	<b>2022 – 2027 Cash Flow</b> \$2,000,000	<b>Total Project Cost</b> \$2,200,000
--------------------------------------	-----------------------------------	---	--

Program Family: 8092  
Project # 819211

# 1-MN-303 Pipe-in-Pipe Rehabilitation

Project Location:  
Council District #8  
Cities of Minneapolis  
Columbia Park and  
Mashall Terrace  
Neighborhoods



<b>PROJECT TYPE:</b>	Pipe-in-Pipe Rehabilitation
<b>OBJECTIVES:</b>	Preservation
<b>CUSTOMER LEVEL OF SERVICE:</b>	Maintain Existing Assets
<b>SCOPE:</b>	Repair Pipe-in-Pipe using removal and replacement and/or CIPP.
<b>PROJECT NEED:</b>	Interceptor 1-MN-303 was built in the early 1920's as a 102" reinforced concrete combined sanitary/storm sewer. The segment of 1-MN-303 on 31st Ave NE between Randolph St NE and Columbia Golf Course was converted to a PIP separated sewer in 1965 using inlaid deformed corrugated metal pipe (CMP). A walking inspection conducted in January 2022 identified severe damage and corrosion that is allowing significant inflow of stormwater into the sanitary sewer.

## PROJECT SCHEDULE



## FINANCIAL ANALYSIS

<b>2022 Cash Flow</b> \$4,000,000	<b>Current ACP</b> \$8,150,000	<b>2022 – 2027 Cash Flow</b> \$8,000,000	<b>Total Project Cost</b> \$8,150,000
--------------------------------------	-----------------------------------	---	--