

**Description:**

The interceptor systems in Blaine, Brooklyn Park, Champlin, Circle Pines, Coon Rapids, Forest Lake Fridley, Hugo, Lexington, Lino Lakes, Maple Grove, Mounds View, Spring Lake Park, and other north area communities need rehabilitation and/or replacement. The project will rehabilitate existing interceptor facilities, including gravity sewers, forcemains, lift stations and meter stations.

**Purpose and Justification:**

Inspections of the interceptors that serve the North Metro Area have revealed corrosion damage. The corrosion is extensive and has resulted in significant damage to the interior concrete surfaces of the interceptors and maintenance structures.

**Program Location:**

The active projects within this program are in the following Council Districts: District # 1 & 9

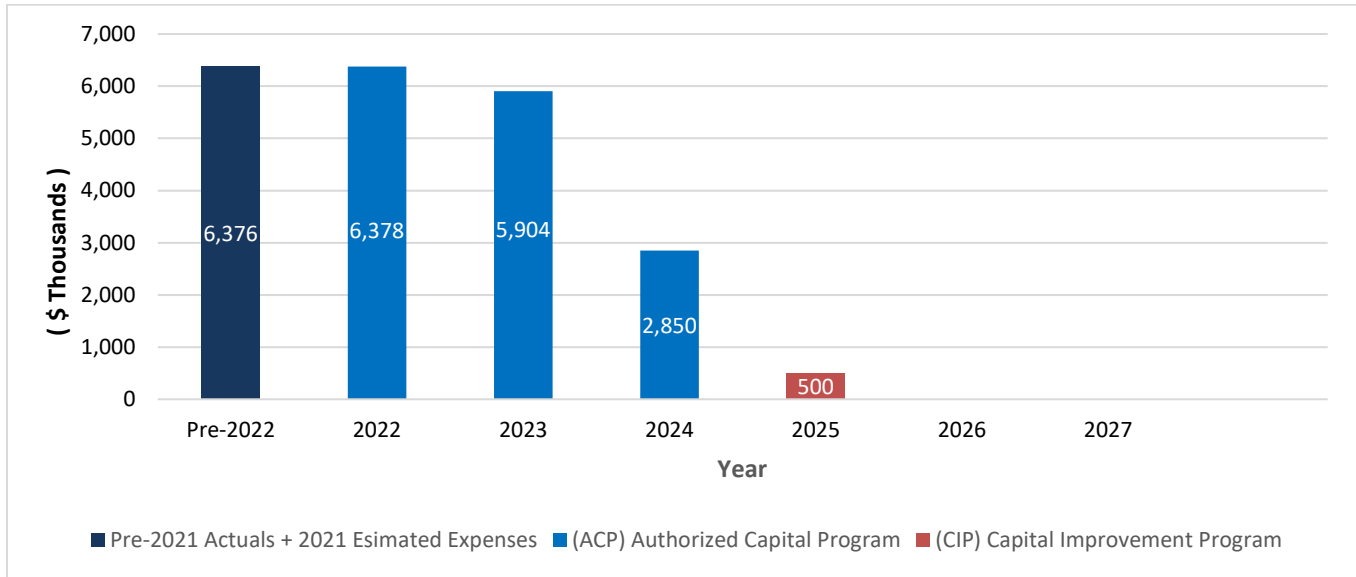
**Active Projects in Program:**

Project Number	Project Title
808600	North Area Interceptor (NAI) Rehabilitation (Parent Project)
808622	Elm Creek – Maple Grove Interceptor 900416 Renewal
808685	Coon Rapids: 4-NS-525 Phase I
808686	Interceptor 7034 Extension - Anoka
8086XX	Coon Rapids: 4-NS-525 Phase II

## MCES 2022 – 2027 Capital Program:

Authorized Capital Program (ACP) \$22,008,000	Capital Improvement Plan (CIP) \$300,000
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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: 8086  
Project # 8086XX

# Coon Rapids Interceptor 4-NS-525 Rehabilitation Phase 2

Project Location:  
Council District # 9  
City of Coon Rapids  
Interceptor 4-N5-525



Installation of CIPP lining

<b>PROJECT TYPE:</b>	Interceptor Rehabilitation
<b>OBJECTIVES:</b>	Preservation
<b>CUSTOMER LEVEL OF SERVICE:</b>	Preserve Assets, Minimize Impacts, Engage Customers, and Coordinate with Others
<b>SCOPE:</b>	<p>This project is the second of a two-phase interceptor rehabilitation project.</p> <p>This second phase will renew approximately 6,100 LF of 48-inch RCP and 21 MHs with Cured-In-Place Pipe technology. The project will require 8 temporary construction easements, permits from MNDOT for work in highway right of way, City road and park permits, and will require coordination with Centerpoint Energy and Xcel Energy.</p> <p>A cooperative agreement with the City of Coon Rapids is desired by the City for the purpose of rehabilitating trunk sewers that connect directly to the interceptor.</p>
<b>PROJECT NEED:</b>	48-inch RCP is in need of immediate planning for rehabilitation to extend useful life and provide reliability. Risk of failure includes a sinkhole near the foundation of an apartment complex and a 6.0 MGD spill to a tributary of Coon Creek that eventually discharges directly to the Mississippi River.

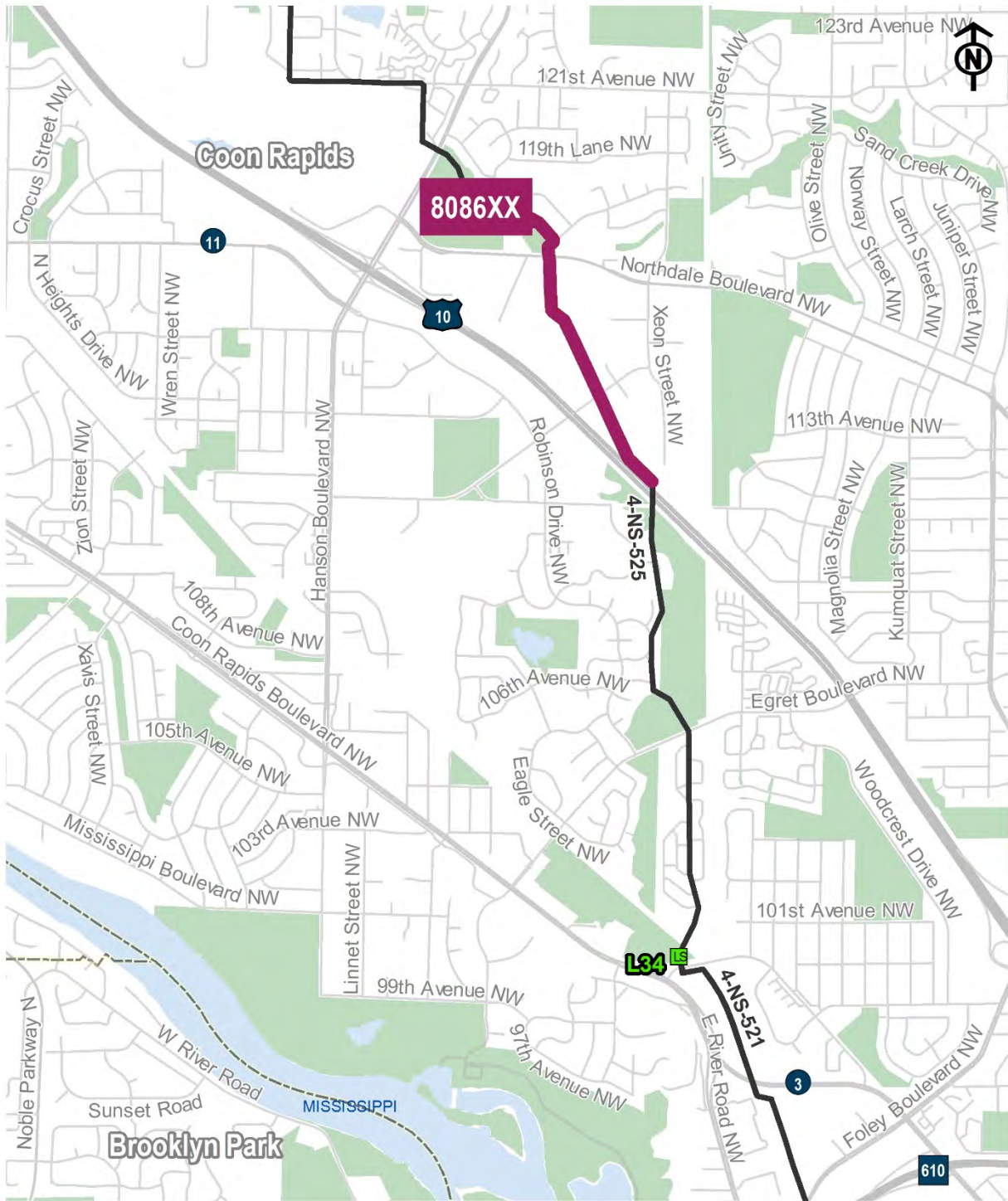
## PROJECT SCHEDULE



## FINANCIAL ANALYSIS

<b>2022 Cash Flow</b>	<b>Current ACP</b>	<b>2022 – 2027 Cash Flow</b>	<b>Total Project Cost</b>
\$0	\$0	\$0	\$0

# MCES Project 8086XX



Program Family: 8086  
Project # 808606

## Interceptor 900416 Bass Lake Road

Project Location:  
Council District # 1  
City of Maple Grove



<b>PROJECT TYPE:</b>	Interceptor Rehabilitation
<b>OBJECTIVES:</b>	Preservation
<b>CUSTOMER LEVEL OF SERVICE:</b>	Comply with Permits and Preserve Assets
<b>SCOPE:</b>	The section of Interceptor 900416 has been identified as in need of immediate repair. The section will be slip-lined to address the current pipe condition.
<b>PROJECT NEED:</b>	To maintain the integrity of the system and to prevent potential damage to the environment due to pipe failure, sections of the interceptor must be repaired or replaced.

### PROJECT SCHEDULE



### FINANCIAL ANALYSIS

<b>2022 Cash Flow</b>	<b>Current ACP</b>	<b>2022 – 2027 Cash Flow</b>	<b>Total Project Cost</b>
\$1,500,000	\$1,980,000	\$1,980,000	\$1,980,000

Program Family: 8086  
Project # 808622

# Maple Grove Interceptor Replacement

Project Location:  
Council District # 1  
City of Maple Grove



<b>PROJECT TYPE:</b>	Interceptor Rehabilitation
<b>OBJECTIVES:</b>	Preservation
<b>CUSTOMER LEVEL OF SERVICE:</b>	Comply with Permits and Preserve Assets
<b>SCOPE:</b>	Areas of Interceptor 900416 have been identified with varies degrees of deflection. The interceptor will be evaluated to determine which sections require rehabilitation or replacement.
<b>PROJECT NEED:</b>	To maintain the integrity of the system and to prevent potential damage to the environment due to pipe failure, sections of the interceptor must be repaired or replaced.

## PROJECT SCHEDULE



## FINANCIAL ANALYSIS

2022 Cash Flow \$200,000	Current ACP \$4,031,000	2022 – 2027 Cash Flow \$3,800,000	Total Project Cost \$4,031,000
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Program Family: 8086  
Project # 808685

# Coon Rapids Interceptor 4-NS-525 Rehabilitation Phase 1

Project Location:  
Council District # 9  
City of Coon Rapids  
Interceptor 4-NS-525



Installation of CIPP lining

<b>PROJECT TYPE:</b>	Interceptor Rehabilitation
<b>OBJECTIVES:</b>	Preservation
<b>CUSTOMER LEVEL OF SERVICE:</b>	Preserve Assets, Minimize Impacts, Engage Customers, and Coordinate with Others
<b>SCOPE:</b>	<p>This project is the first of a two-phase interceptor rehabilitation project. This first phase will renew approximately 7,900 LF of 48-inch RCP and 19 MHs with Cured-In-Place Pipe technology. The project will require 8 temporary construction easements, permits from BNSF and MNDOT for work in highway and railroad right of ways, City road and park permits, and will require coordination with CenterPoint Energy and Xcel Energy.</p> <p>A cooperative agreement with the City of Coon Rapids is desired by the City for the purpose of rehabilitating trunk sewers that connect directly to the interceptor.</p>
<b>PROJECT NEED:</b>	3,600 linear feet of 48-inch RCP is in need of immediate rehabilitation to extend useful life and provide reliability. Risk of failure includes a sinkhole forming that could engulf a mobile home and a 6.0 MGD spill to nearby Coon Creek that discharges directly to the Mississippi River.

## PROJECT SCHEDULE



Planning  
2020



Design  
2020-2021



Construction  
2022-2023

## FINANCIAL ANALYSIS

2022 Cash Flow \$4,000,000	Current ACP \$10,761,000	2022 – 2027 Cash Flow \$10,302,000	Total Project Cost \$10,761,000 <sup>152</sup>
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**MCES Project 808685**

