

# Invitation for Tribal Consultation

SEPTEMBER 28, 2022

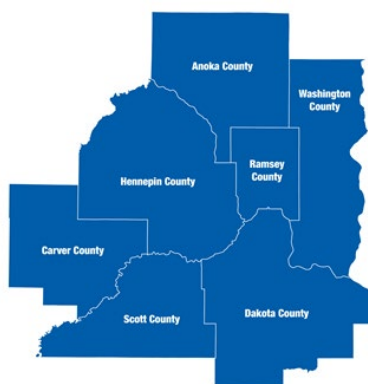


Aerial View of Lake Minnetonka



# The Council's mission is to foster efficient and economic growth for prosperous metropolitan region

Metropolitan Council Member	Role	Metropolitan Council Member	Role
Charlie Zelle	Chair	Raymond Zeran	District 9
Judy Johnson	District 1	Peter Lindstrom	District 10
Reva Chamblis	District 2	Susan Vento	District 11
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Abdirahman Muse	District 8		



The Metropolitan Council is the regional planning organization for the seven-county Twin Cities area. The Council operates the regional bus and rail system, collects and treats wastewater, coordinates regional water resources, plans and helps fund regional parks, and administers federal funds that provide housing opportunities for low- and moderate-income individuals and families. The 17-member Council board is appointed by and serves at the pleasure of the governor.

On request, this publication will be made available in alternative formats to people with disabilities. Call Metropolitan Council information at 651-602-1140 or TTY 651-291-0904.

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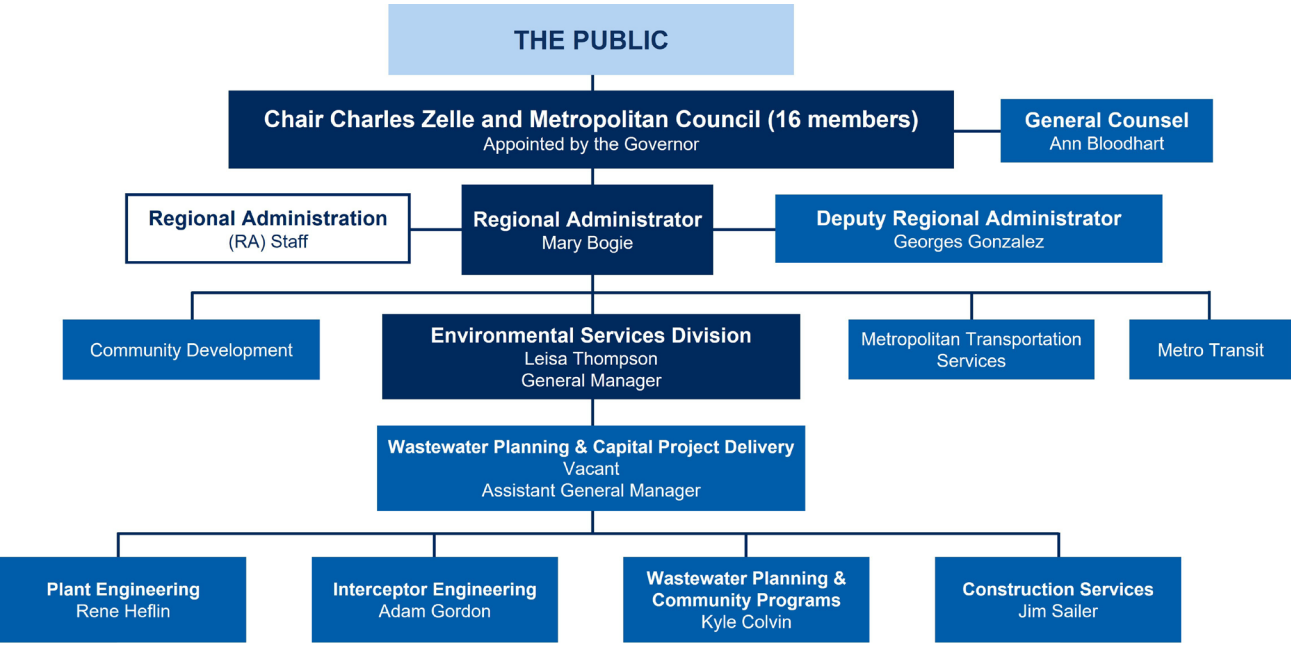
# About Metropolitan Council Environmental Services



Metropolitan Council Environmental Services (MCES) is responsible for operating and maintaining the regional wastewater system which protects public health, protects the environment, and fosters the economic growth of the seven county Twin Cities Metropolitan Area. The regional wastewater system currently serves 111 communities and has an estimated replacement value of \$7 Billion. The organization employs about 640 staff who are committed to clean water and a clean environment, both of which are essential to the quality of life for those who live and work in the region.

MCES consistently achieves near-perfect compliance with federal and state water discharge standards while holding rates 40% below the national average. MCES is committed to sustainable operations through energy efficiency, use of renewable energy resources, use of technology and reducing air pollutant emissions and resource recovery.

# Environmental Services Organizational Chart



# Capital Program

## *Capital Program Overview*

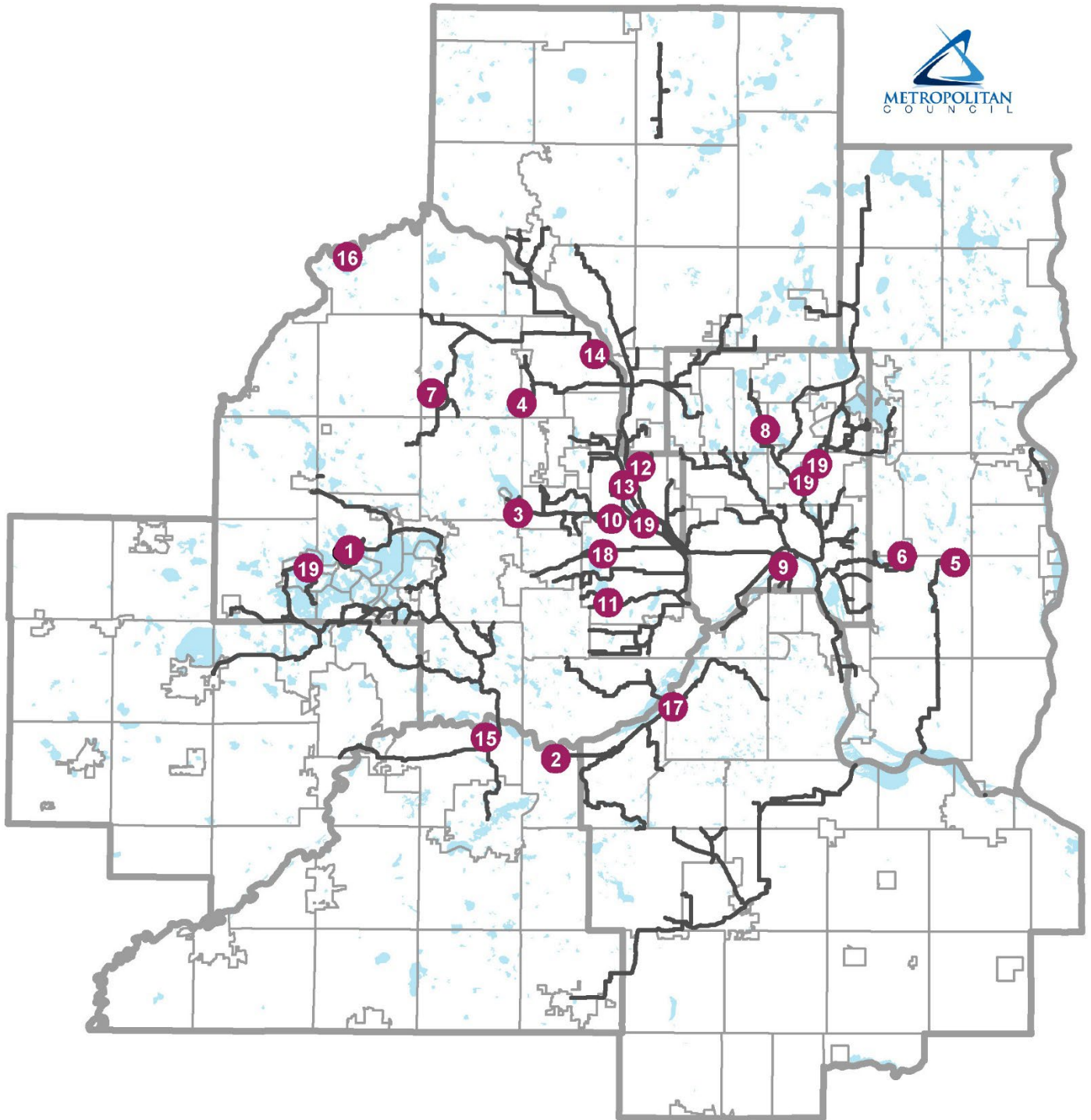
The Environmental Services Capital Program is a component of the Metropolitan Council's unified budget plan. The Environmental Services Division plans capital spending for new treatment plants, interceptors and/or improvements to the metropolitan wastewater system. The capital program provides capital investments to preserve and rehabilitate existing wastewater infrastructure, meet more stringent water and air quality regulations, and expand the system capacity to meet regional growth needs. The Capital Program is prepared, reviewed, and approved on a yearly basis to consider new programs and/or adjustments to the plan. The Capital Program and key projects are presented to customers at the budget workshops held annually.

From 1970 to 2013, capital investment focused primarily on developing an efficient and effective wastewater system to meet the needs of a growing region. These investments included interceptor system capacity expansion and extension to serve the long-term service area (2040 and beyond), as well as consolidating, expanding capacity, and completing quality upgrades to the regional wastewater treatment plants. Between 2014 and 2020, capital investments shifted primarily to preserving the valuable regional wastewater infrastructure. The 2022-2027 program continues to have a strong emphasis on asset preservation and includes capacity improvements to support a thriving region. Noteworthy capacity projects and asset preservation projects in the plan include expansion of solids processing at the Metro Plant, a new wastewater treatment plant at Hastings, the new Crow River wastewater treatment plant and lift station L32A in Fridley.



*Water quality monitoring staff at work in the Vermillion River in Hastings, MN*

# MCES Overall Project Locations



Label	Project Name	County	Page No.	Label	Project Name	County	Page No.
1	802863 8567 Channel Crossings Replacement	Hennepin	Page 5	10	809205 1-MN-320 Interceptor Improvement	Hennepin	Page 14
2	805564 L66 Rehabilitation	Scott	Page 6	11	809208 1-MN-345 Rehabilitation	Hennepin	Page 15
3	805576 L29 Improvements – Phase 1	Hennepin	Page 7	12	809211 1-MN-303 Pipe-in-Pipe Rehabilitation	Hennepin	Page 16
4	805636 Replacement Meter Vault M228	Hennepin	Page 8	13	809213 1-MN-310 Rehab between 23rd and 33rd Ave N	Hennepin	Page 17
5	806302 Lift Station L77 Improvements	Washington	Page 9	14	809320 Brooklyn Park -Champlin Interceptor Renewal	Hennepin	Page 18
6	806325 Lake Elmo West Connection	Washington	Page 10	15	809510 Shakopee Interceptor Odor Improvements	Scott	Page 19
7	808622 Maple Grove Interceptor Replacement	Hennepin	Page 11	16	809110 Crow River Wastewater Treatment Plant	Hennepin	Page 20
8	808861 Grass Lake Interceptor Rehabilitation	Ramsey	Page 12	17	819017 7031-9003 Siphon Outlet Structure Improvements	Dakota	Page 21
9	808883 Riverview Siphon Improvements	Ramsey	Page 13	18	819020 Hopkins System Imprvmnts - East Isles FM, Contract H	Hennepin	Page 22
				19	819022 Interceptor Rehab 6-MO-650, 1-MN-310, 8151 and 7122	Multiple	Page 23

# **Invitation for Tribal Consultation**

## **Project Summaries**

## 802863 8567 Channel Crossings Replacement

Program Family: 8028  
Project #802863

### #1 8567 Channel Crossings Replacement

Project Location:  
Council District # 3  
City of Orono  
North Shore Drive



CATEGORY	Description
PROJECT TYPE:	Interceptor Replacement
OBJECTIVES:	Preservation and Quality Improvement
CUSTOMER LEVEL OF SERVICE:	Minimize Impacts, Lead by Example, Be A Good Neighbor, Engage Customers, Coordinate with Others and Preserve Assets
SCOPE:	In 2022, Hennepin County plans to replace the Noerenberg and Hendrickson bridges on North Shore Drive. Interceptor Forcemain 8567 is suspended on the bridges and needs to be relocated under the Lake Minnetonka channels before or during the County project.
PROJECT NEED:	Replace the existing 12-inch DIP Hendrickson and 16-inch DIP Noerenberg bridge crossings with buried channel crossings. Directionally drilled dual HDPE pipes are proposed. To lessen the potential need for land acquisition, this work will be scheduled when North Shore Drive is closed for bridge work.
HISTORICAL FINDINGS:	There are 18 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; 2 are recorded within quarter mile. Detailed information can be found in Appendix A, Page A1.

### PROJECT SCHEDULE



### FINANCIAL ANALYSIS

2022 Cash Flow	Current ACP	2022 – 2027 Cash Flow	Total Project Cost
\$1,241,000	\$1,905,000	\$1,716,000	\$1,905,000

## 805564 L66 Rehabilitation

Program Family: 8055  
Project # 805564

### #2 L66 Rehabilitation

#### Project Location:

Council District # 15

City of Savage

125<sup>th</sup> Street



#### CATEGORY

Description

#### PROJECT TYPE:

Lift Station Rehabilitation

#### OBJECTIVES:

Preservation and Quality Improvement

#### CUSTOMER LEVEL OF SERVICE:

Lead by Example, Be A Good Neighbor, Meet Capacity Needs and Preserve Assets

#### SCOPE:

The lift station rehabilitation will include HVAC upgrades, a carbon tank, a new generator, wet well rehabilitation, pump replacement, and electrical upgrades.

#### PROJECT NEED:

Wet well rehabilitation is needed due to the substantial concrete deterioration. The station also needs new pumps to accommodate the projected 2040 flows. The HVAC is not up to code and needs to be replaced.

#### HISTORICAL FINDINGS:

There are 2 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; none are recorded within a quarter mile. Detailed information can be found in Appendix A, Page A5.

### PROJECT SCHEDULE



Planning



Design

2022



Construction

2023-2026

### FINANCIAL ANALYSIS

2022 Cash Flow	Current ACP	2022 – 2027 Cash Flow	Total Project Cost
\$969,000	\$5,895,000	\$5,744,000	\$5,895,000

## 805576 L29 Improvements, Phase 1

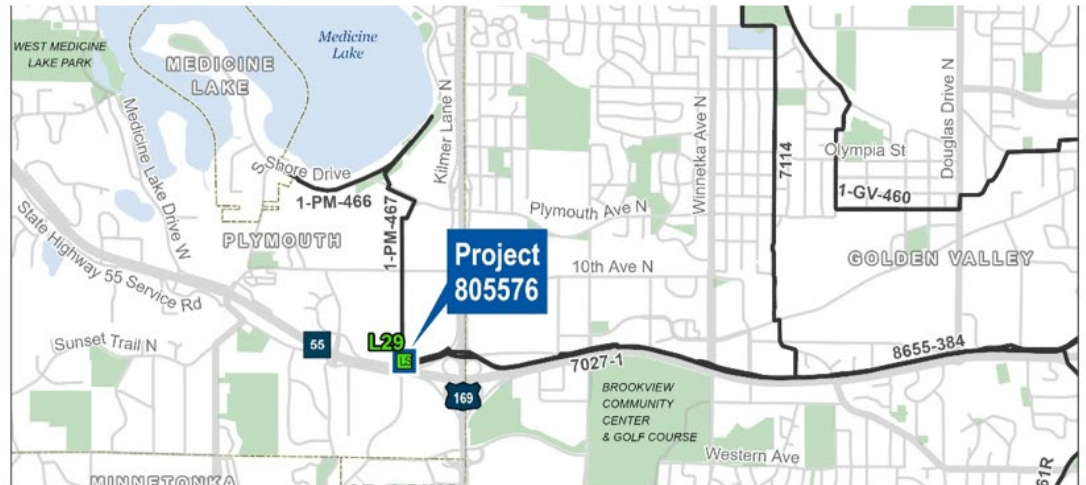
Program Family: 8055  
Project # 805576

### #3 L29 Improvements – Phase 1

Project Location: L29

Council District # 1

City of Plymouth



#### CATEGORY

Description

PROJECT TYPE:

Lift Station Rehabilitation

OBJECTIVES:

Preservation and Quality Improvement

CUSTOMER LEVEL OF SERVICE:

Lead by Example, Be A Good Neighbor, Meet Capacity Needs and Preserve Assets

SCOPE:

A segment of piping will be replaced due to substantial corrosion. A pipe restriction will be upsized to increase lift station capacity.

PROJECT NEED:

Corrections are required to improve lift station reliability.

HISTORICAL FINDINGS:

There are not any previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area. Detailed information can be found in Appendix A, Page A7.

#### PROJECT SCHEDULE



Planning

2022



Design

2023



Construction

2024

#### FINANCIAL ANALYSIS

2022 Cash Flow	Current ACP	2022 – 2027 Cash Flow	Total Project Cost
\$250,000	\$4,050,000	\$4,050,000	\$4,050,000

## 805636 Replacement Meter Vault M228

Program Family: 8056  
Project # 805636

### #4 Replacement Meter Vault M228

Project Location:

Council District # 2

City of Brooklyn Park



CATEGORY	Description
PROJECT TYPE:	Interceptor Meter Improvements
OBJECTIVES:	Preservation
CUSTOMER LEVEL OF SERVICE:	Comply with Permits, Minimize Impacts, Be A Good Neighbor, Communicate Information, Engage Customers, Coordinate with Others and Preserve Assets
SCOPE:	Replace existing Meter M228
PROJECT NEED:	Replace and update meter due to corrosion and difficult access. The meter ensures accuracy of cost distribution among communities.
HISTORICAL FINDINGS:	There are 2 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; none are recorded within a quarter mile. Detailed information can be found in Appendix A, Page A9.

### PROJECT SCHEDULE



Planning

2019



Design

2020-2023



Construction

2024-2026

### FINANCIAL ANALYSIS

2022 Cash Flow	Current ACP	2022 – 2027 Cash Flow	Total Project Cost
\$3,200,000	\$7,483,000	\$6,817,000	\$7,483,000

## 806302 Lift Station L77 Improvements

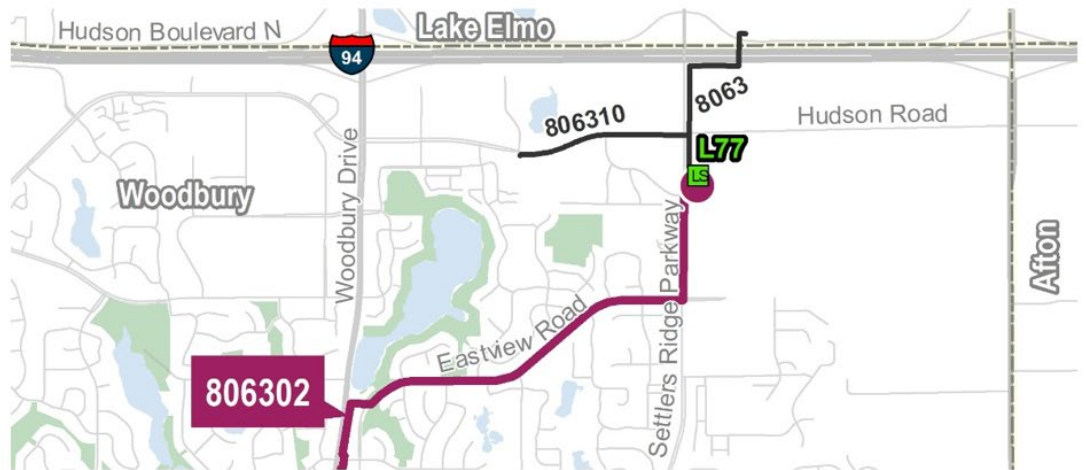
Program Family: 8063  
Project # 806302

### #5 Lift Station L77 Improvements

Project Location:

Council District 12

City of Woodbury



#### CATEGORY

Description

#### PROJECT TYPE:

Lift Station Improvements

#### OBJECTIVES:

Capacity Expansion

#### CUSTOMER LEVEL OF SERVICE:

Meet Capacity Needs

#### SCOPE:

Expand L77 lift station capacity with larger pumps and connect to larger forcemain.

#### PROJECT NEED:

This expansion was planned with the construction of the L77 lift station and is driven by development in eastern Woodbury and Lake Elmo.

#### HISTORICAL FINDINGS:

There are not any previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area. Detailed information can be found in Appendix A, Page A11.

#### PROJECT SCHEDULE



Planning

2020-2021



Design

2022-2023



Construction

2023-2025

#### FINANCIAL ANALYSIS

2022 Cash Flow	Current ACP	2022 – 2027 Cash Flow	Total Project Cost
\$1,000,000	\$	\$3,700,000	\$3,700,000

## 806325 Lake Elmo West Connection

Program Family: 8063  
Project # 806325

### #6 Lake Elmo West Connection

#### Project Location:

Council District # 12

Cities of Lake Elmo and  
Woodbury



CATEGORY	Description
PROJECT TYPE:	Interceptor Extension
OBJECTIVES:	Capacity Expansion
CUSTOMER LEVEL OF SERVICE:	Meet Capacity Needs
SCOPE:	Provide regional sewer service to southwestern Lake Elmo through a gravity interceptor extension from 1-WO-500. Includes the upgrade of an existing interceptor sewer crossing Interstate I-94 to accommodate current and future growth in the service area.
PROJECT NEED:	This project will provide interceptor facilities to convey wastewater from southwestern Lake Elmo and eastern Oakdale to the Metro WWTP in St Paul. The project is needed to support growth in this eastern portion of the metropolitan area.
HISTORICAL FINDINGS:	There are 2 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; none are recorded within a quarter mile. Detailed information can be found in Appendix A, Page A13.

### PROJECT SCHEDULE



Planning

2020



Design

2021-2023



Construction

2023-2025

### FINANCIAL ANALYSIS

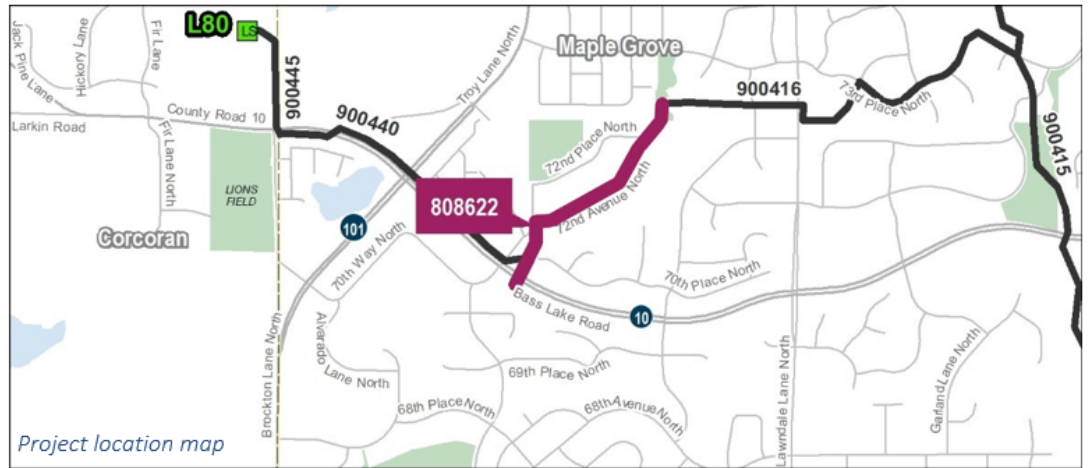
2022 Cash Flow	Current ACP	2022 – 2027 Cash Flow	Total Project Cost
\$1,633,000	\$	\$15,600,000	\$15,600,000

## 808622 Maple Grove Interceptor Replacement

Program Family: 8086  
Project # 808622

### #7 Maple Grove Interceptor Replacement

Project Location:  
Council District # 1  
City of Maple Grove



CATEGORY	Description
PROJECT TYPE:	Interceptor Rehabilitation
OBJECTIVES:	Preservation
CUSTOMER LEVEL OF SERVICE:	Comply with Permits and Preserve Assets
SCOPE:	Areas along Interceptor 900416 have been identified as over-deflected. The interceptor will be evaluated to determine which sections require rehabilitation or replacement.
PROJECT NEED:	To maintain the integrity of the system and to prevent catastrophic pipe failure, sections of the interceptor must be replaced.
HISTORICAL FINDINGS:	There are 3 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; none are recorded within a quarter mile. Detailed information can be found in Appendix A, Page A15.

### PROJECT SCHEDULE



Planning  
2019-2021



Design  
2021-2024



Construction  
2025-2026

### 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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## 808861 Grass Lake Interceptor Rehabilitation

Program Family: 8088  
Project # 808861

### #8 Grass Lake Interceptor Rehabilitation

Project Location:

Council District # 10

City of Shoreview



#### CATEGORY

Description

#### PROJECT TYPE:

Interceptor Replacement

#### OBJECTIVES:

Preservation

#### CUSTOMER LEVEL OF SERVICE:

Comply with Permits, Minimize Impacts, Be A Good Neighbor, Communicate Information, Engage Customers and Coordinate with Others

#### SCOPE:

Re-align MH1 to MH15 (currently submerged) to improve access and reduce Inflow and Infiltration (I&I) along Grass Lake.

#### PROJECT NEED:

To relocate the interceptor to provide year-round access, prevent flooded structures, and reduce I&I as lake levels continue to rise.

#### HISTORICAL FINDINGS:

There are 4 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; none are recorded within a quarter mile. Detailed information can be found in Appendix A, Page A17.

#### PROJECT SCHEDULE



Planning

2019



Design

2020-2022



Construction

2024-2025

#### FINANCIAL ANALYSIS

2022 Cash Flow	Current ACP	2022 – 2027 Cash Flow	Total Project Cost
\$478,000	\$5,765,000	\$5,178,000	\$5,765,000

## 808883 Riverview Siphon Improvements

Program Family: 8088  
Project # 808883

### #9 Riverview Siphon Improvements

Project Location:

Council District # 13

City of St. Paul



#### CATEGORY

Description

#### PROJECT TYPE:

Interceptor Rehabilitation

#### OBJECTIVES:

Preservation and Quality Improvements

#### CUSTOMER LEVEL OF SERVICE:

Meet Capacity Needs, Coordinate with Others, Preserve Assets

#### SCOPE:

Siphons will be cleaned and inspected. After cleaning, the siphons will be reassessed for capacity.

#### PROJECT NEED:

Growth in the West Side Flats area of St. Paul, combined with evidence of past wastewater spills at the siphon headhouse and concerns raised by the City of St. Paul. Analysis showed a significant loss of design capacity, which is likely due to debris in the pipe.

#### HISTORICAL FINDINGS:

There are 20 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; 2 are recorded within quarter mile. Detailed information can be found in Appendix A, Page A19.

#### PROJECT SCHEDULE



Planning

2020-2021



Design

2021-2022



Construction

2022-2023

#### FINANCIAL ANALYSIS

2022 Cash Flow	Current ACP	2022 – 2027 Cash Flow	Total Project Cost
\$250,000	\$2,250,000	\$2,250,000	\$2,381,000

## 809205 1-MN-320 Interceptor Improvement

Program Family: 8092  
Project # 809205

### #10 1-MN-320 Interceptor Improvement

Project Location:

Council District # 6

City of Minneapolis

Currie Avenue



#### CATEGORY

Description

#### PROJECT TYPE:

Interceptor Improvements

#### OBJECTIVES:

Preservation

#### CUSTOMER LEVEL OF SERVICE:

Provide conveyance and treatment capacity consistent with regional and local plans

#### SCOPE:

Preferred options from the draft facility plan are to construct new gravity pipe along with a lift station.

#### PROJECT NEED:

The existing interceptor pipe, constructed in 1888, has significant structural deterioration, which has led to several emergency repairs. Additionally, the existing pipe grades are insufficient, requiring contracted cleaning to remove grit and debris.

#### HISTORICAL FINDINGS:

There are 8 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; none are recorded within a quarter mile. Detailed information can be found in Appendix A, Page A22.

#### PROJECT SCHEDULE



Planning

2021



Design

2022-2023



Construction

2024-2026

#### FINANCIAL ANALYSIS

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

## 809208 1-MN-345 Rehabilitation

Program Family: 8092  
Project # 809208

### #11 1-MN-345 Rehabilitation

Project Location:

Council District # 6

City of Minneapolis

Minnehaha Parkway



CATEGORY	Description
PROJECT TYPE:	Interceptor Rehabilitation
OBJECTIVES:	Preservation
CUSTOMER LEVEL OF SERVICE:	Meet capacity needs and preserve assets
SCOPE:	Rehabilitate a deteriorated segment of 1-MN-345 near Minnehaha Creek.
PROJECT NEED:	The pipe is deteriorated and close to a sensitive receptor that would be impacted upon pipe failure. Scheduled Minnehaha Parkway trail improvements by the Minneapolis Recreation and Park Board provides an opportunity for partnering and minimizing overall construction impacts to the public.
HISTORICAL FINDINGS:	There are not any previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area. Detailed information can be found in Appendix A, Page A24.

### PROJECT SCHEDULE



Planning  
2022



Design  
2023



Construction  
2024-2025

### FINANCIAL ANALYSIS

2022 Cash Flow \$200,000	Current ACP \$200,000	2022 – 2027 Cash Flow \$2,000,000	Total Project Cost \$2,200,000
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## 809211 1-MN-303 Pipe-in-Pipe Rehabilitation

Program Family: 8092  
Project # 809211

### #12 1-MN-303 Pipe-in-Pipe Rehabilitation

Project Location:

Council District # 8

Cities of Minneapolis  
Columbia Park

Marshall Terrace  
Neighborhood



CATEGORY	Description
PROJECT TYPE:	Pipe-in-Pipe Rehabilitation
OBJECTIVES:	Preservation
CUSTOMER LEVEL OF SERVICE:	Maintain Existing Assets
SCOPE:	Repair Pipe-in-Pipe (PIP) using removal and replacement and/or CIPP.
PROJECT NEED:	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.
HISTORICAL FINDINGS:	There are 3 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; 2 are recorded within quarter mile. Detailed information can be found in Appendix A, Page A26.

### PROJECT SCHEDULE



Planning  
2020-2021



Design  
2021-2023



Construction  
2024-2025

### FINANCIAL ANALYSIS

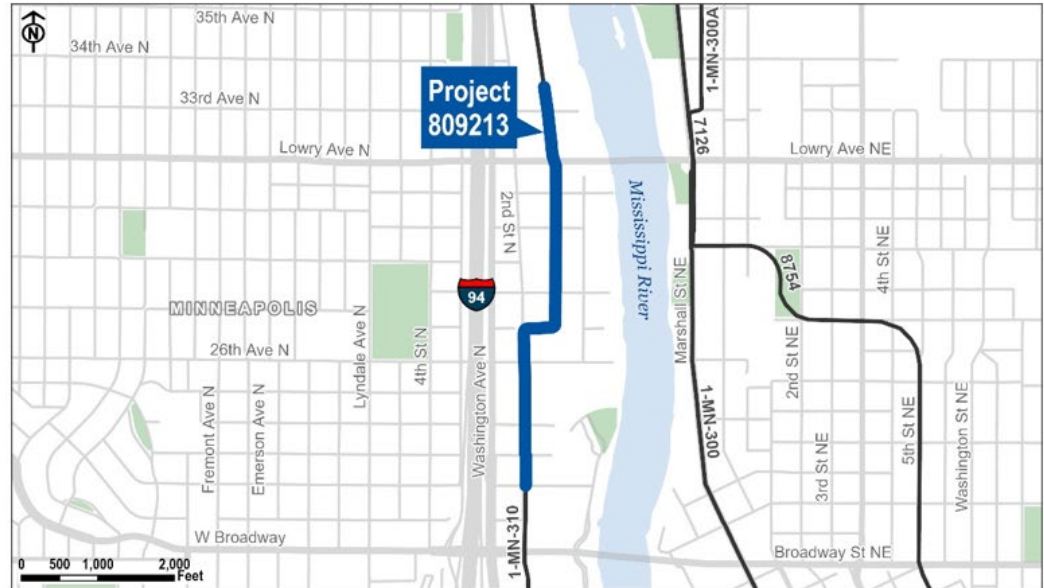
2022 Cash Flow \$4,000,000	Current ACP \$8,150,000	2022 – 2027 Cash Flow \$8,000,000	Total Project Cost \$8,150,000
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## 809213 1-MN-310 Rehab between 23rd and 33rd Ave. N

Program Family: 8092  
Project # 809213

### #13 1-MN-310 Rehab between 23<sup>rd</sup> and 33<sup>rd</sup> Ave. N

Project Location:  
Council District # 7  
City of Minneapolis  
2<sup>nd</sup> St N



#### CATEGORY

Description

#### PROJECT TYPE:

Cured in Place Pipe Rehabilitation

#### OBJECTIVES:

Preservation

#### CUSTOMER LEVEL OF SERVICE:

Maintain existing assets

#### SCOPE:

Line 5,000 feet of 1-MN-310 from 34th Avenue North to 22nd Avenue North and rehabilitate 20 maintenance holes.

#### PROJECT NEED:

Interceptor 1-MN-310 is adjacent to the proposed Upper Harbor Terminal project in Minneapolis. Recent CCTV inspection has identified Condition 4 deterioration between 34th and 22nd Aves N. The project schedule will be coordinated to limit impacts on future development in the area.

#### HISTORICAL FINDINGS:

There are 7 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; 1 is recorded within quarter mile. Detailed information can be found in Appendix A, Page A29.

#### PROJECT SCHEDULE



Planning

2020



Design

2020-2022



Construction

2023-2025

#### FINANCIAL ANALYSIS

2022 Cash Flow	Current ACP	2022 – 2027 Cash Flow	Total Project Cost
\$1,502,000	\$3,150,000	\$1,502,000	\$3,150,000

## 809320 Brooklyn Park – Champlin Interceptor Renewal

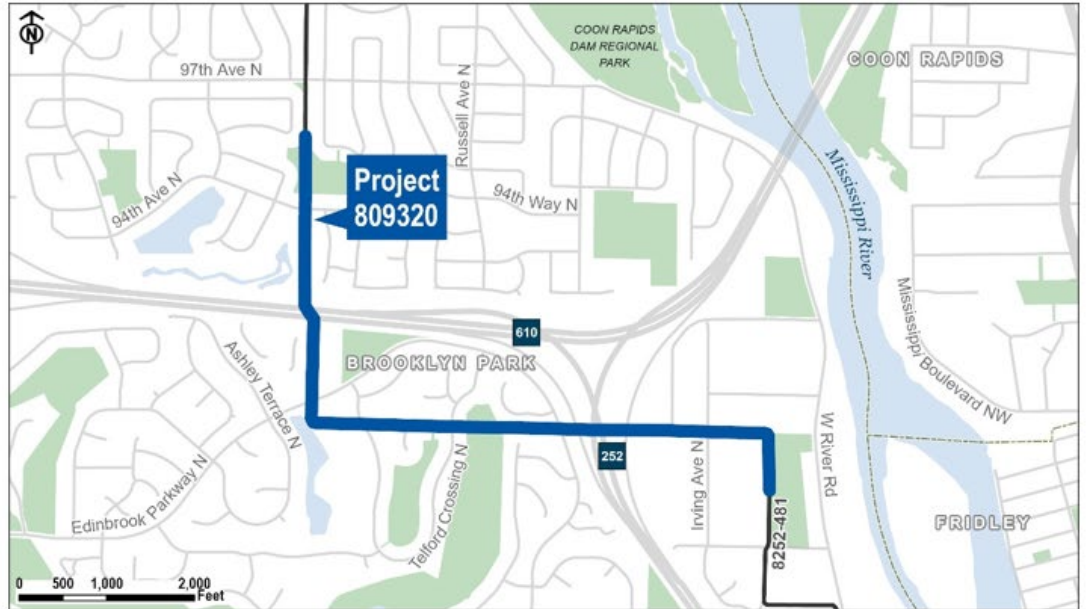
Program Family: 8093  
Project # 809320

### #14 Brooklyn Park-Champlin Interceptor Renewal

Project Location:

Council District # 2

City of Brooklyn Park



<b>CATEGORY</b>	Description
<b>PROJECT TYPE:</b>	Interceptor Improvements
<b>OBJECTIVES:</b>	Preservation
<b>CUSTOMER LEVEL OF SERVICE:</b>	Comply with Permits, Minimize Impacts, Be A Good Neighbor, Communicate Information, Engage Customers and Coordinate with Others
<b>SCOPE:</b>	CIPP repair includes interceptor 8252-481 from Maintenance Hole MH 8 1 to MH 15 2
<b>PROJECT NEED:</b>	The Phase 2 project is identified as Site 2-1 in the Facility Plan. It includes interceptor 8252-481 from MH 4 2 to MH 15 2. This section of the interceptor was constructed in 1985 and consists of 12,000 feet of 66-inch RCP pipe and 22 maintenance holes. Based on the inspection, it has a condition rating of 4 and needs repair.
<b>HISTORICAL FINDINGS:</b>	There are not any previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area. Detailed information can be found in Appendix A, Page A32.

### PROJECT SCHEDULE



Planning

2021



Design

2022-2023



Construction

2024-2026

### FINANCIAL ANALYSIS

2022 Cash Flow	Current ACP	2022 – 2027 Cash Flow	Total Project Cost
\$200,000	\$5,400,000	\$5,400,000	\$5,400,000

## 809510 Shakopee Interceptor Odor Improvements

Program Family: 8095  
Project # 809510

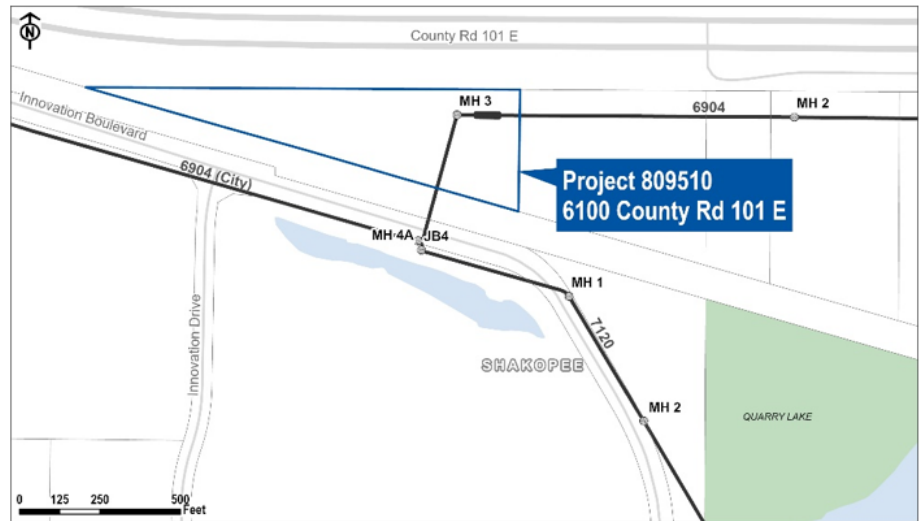
### #15 Shakopee Interceptor Odor Improvements

Project Location:

Council District # 4

City of Shakopee

MCES 9206 & 7120;  
pipe that runs along  
highway 169



CATEGORY	Description
PROJECT TYPE:	Study
OBJECTIVES:	Preservation and Quality Improvements
CUSTOMER LEVEL OF SERVICE:	Be a good neighbor, Preserve assets
SCOPE:	The study will be used to determine the best method(s) and location(s) for odor and corrosion reduction facilities to reduce odor and corrosion impacts to MCES and City sewers.
PROJECT NEED:	The project is needed for operator safety, to preserve assets, and to reduce nuisance odors in the study area.
HISTORICAL FINDINGS:	There are 12 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; none are recorded within quarter mile. Detailed information can be found in Appendix A, Page A34.

### PROJECT SCHEDULE



Planning

2020-2022



Design

2023



Construction

2024-2025

### FINANCIAL ANALYSIS

2022 Cash Flow	Current ACP	2022 – 2027 Cash Flow	Total Project Cost
\$150,000	\$3,300,000	\$3,500,000	\$3,500,000

## 809110 Crow River Wastewater Treatment Plant

Program Family: 8091  
Project # 809110

### #16 Crow River Wastewater Treatment Plant

Project Location:

Council District # 1

City of Rogers

Crow River WWTP



#### CATEGORY

Description

#### PROJECT TYPE:

Wastewater Treatment Plant

#### OBJECTIVES:

Capacity Expansion

#### CUSTOMER LEVEL OF SERVICE:

Comply with Permits, Minimize Impacts, Lead by Example, Be A Good Neighbor, Meet Capacity Needs, Communicate Information, Engage Customers, and Coordinate with Others

#### SCOPE:

MCES has recognized and planned for the need for a new wastewater facility in the northwest Metropolitan service area in the 2030 and 2040 Water Resources Policy Plans. The new facility, the Crow River Wastewater Treatment Plant, will be located on a parcel of land purchased by MCES in the City of Rogers near the Crow River. The facility will replace the existing MCES Rogers Wastewater Treatment Facility and will serve the City of Rogers as well as portions of Dayton and Corcoran. MCES is planning to start receiving flow at the facility in 2030.

#### PROJECT NEED:

The new Crow River Wastewater Treatment Plant is needed to free up capacity for urban core growth in the Elm Creek interceptor, which currently serves a rapidly expanding portion of Rogers. It also prepares for projected growth in the communities of Rogers, Dayton, Corcoran and the surrounding area.

#### HISTORICAL FINDINGS:

There are 4 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; 1 is recorded within quarter mile. Detailed information can be found in Appendix A, Page A36.

### PROJECT SCHEDULE



Planning

N/A



Design

2023-2025



Construction

2025-2027

### FINANCIAL ANALYSIS

2022 Cash Flow	Current ACP	2022 – 2027 Cash Flow	Total Project Cost
\$500,000	\$3,844,000	\$42,500,000	\$103,644,000

## 819017 7031-9003 Siphon Outlet Structure Improvements

Program Family: 8090  
Project # 819017

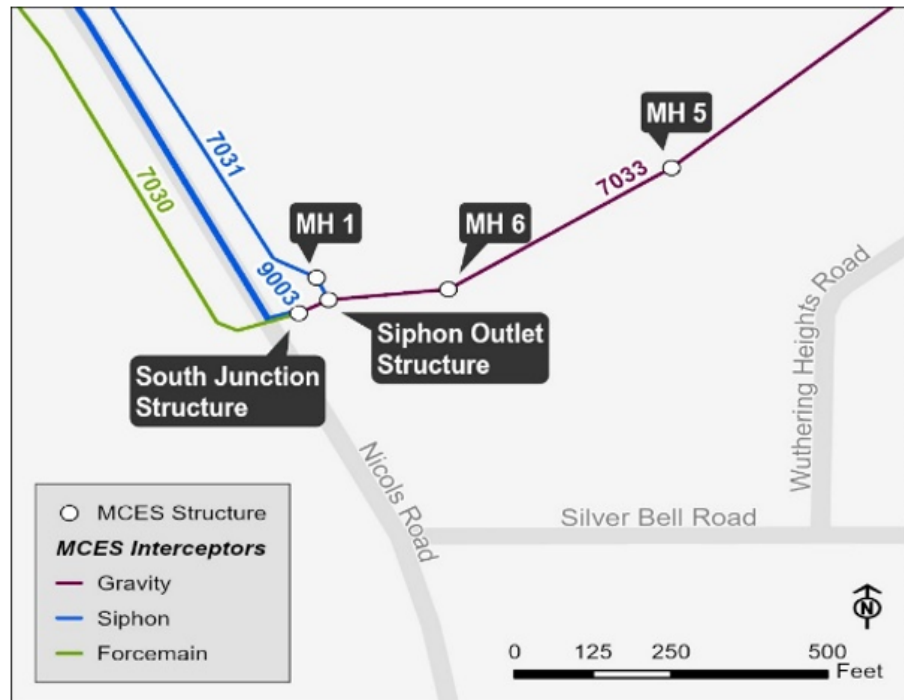
### #17 7031-9003 Siphon Outlet Structure Improvements (MH-1 & South Junction Structure)

Project Location:

Council District: #15

City: Eagan, MN

Location: North of intersection of Nicols Road and Silver Bell Road



#### CATEGORY

PROJECT TYPE:	Interceptor Rehabilitation
OBJECTIVES:	Preservation
CUSTOMER LEVEL OF SERVICE:	Be a good neighbor, Preserve Assets
SCOPE:	Rehabilitation or replacement of maintenance structure (MH1) and the South Junction Structure to reduce the potential for structure failure.
PROJECT NEED:	The project is needed for operator safety, to preserve assets, and to maintain system flexibility.
HISTORICAL FINDINGS:	There are 6 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; 2 are recorded within quarter mile. Detailed information can be found in Appendix A, Page A38.

#### PROJECT SCHEDULE



Planning

2021-2022



Design

2022-2023



Construction

2024-2025

#### FINANCIAL ANALYSIS

2022 Cash Flow	Current ACP	2022 – 2027 Cash Flow	Total Project Cost
\$500,000	\$2,100,000	\$6,000,000	\$6,000,000

## 819020 Hopkins System Improvements – East Isles Forcemain, Contract H

Program Family: 8041  
Project # 819020

### #18 Hopkins System Improvements - East Isles Forcemain, Contract H

Project Location:

Council District # 6

City of Minneapolis

The Mall Park



#### CATEGORY

Description

**PROJECT TYPE:**

Interceptor Rehabilitation

**OBJECTIVES:**

Preservation

**CUSTOMER LEVEL OF SERVICE:**

Conveys wastewater safely with minimal backups and spills

**SCOPE:**

The project includes replacement of 1000 lineal feet of 30" concrete forcemain with two 24" diameter forcemains within The Mall Park between Bde Maka Ska Parkway and Humboldt Ave. This project incorporates cooperative construction with the Minneapolis Park and Recreation Board to construct park master plan improvements in the area.

**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.

**HISTORICAL FINDINGS:**

There are 12 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; 1 is recorded within quarter mile. Detailed information can be found in Appendix A, Page A41.

#### PROJECT SCHEDULE



Planning

2018



Design

2021-2023



Construction

2024

#### FINANCIAL ANALYSIS

2022 Cash Flow	Current ACP	2022 – 2027 Cash Flow	Total Project Cost
\$400,000	\$2,350,000	\$2,300,000	\$2,350,000

## 819022 Interceptor Rehabilitation Project – 6-MO-650, 1-MN-310, 8151 and 7122

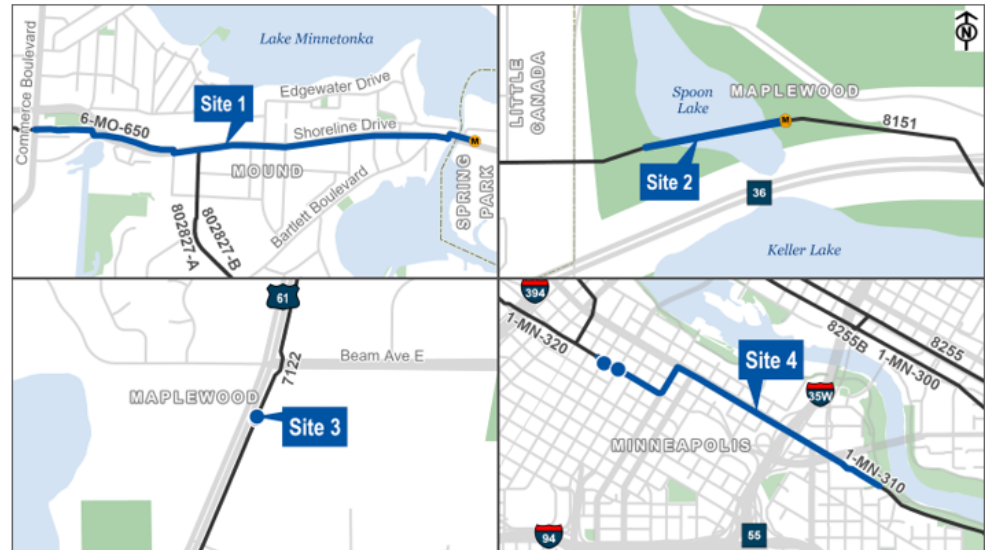
Program Family: 8190  
Project # 819022

### #19 Interceptor Rehabilitation Project – 6-MO-650, 1-MN-310, 8151 and 7122

Project Location: 6-MO-650  
FM, 8151 Siphon, 1-MN-310  
interceptor and siphon, 7122  
Air Jumpers

Council District # 3

City: Mound/Spring Park,  
Maplewood and Minneapolis



CATEGORY	Description
PROJECT TYPE:	Interceptor Rehabilitation
OBJECTIVES:	Preservation and Customer Service
CUSTOMER LEVEL OF SERVICE:	Minimize impacts, be a good neighbor, co-ordinate with others and Preserve Assets
SCOPE:	Rehabilitate or replace existing system which is old and deteriorated
PROJECT NEED:	<p>For 6-MO-650 site - Provide intergovernmental coordination with Hennepin County Road project for 6-MO-650 site, 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.</p> <p>Other sites – Siphon pipe and structures are old and deteriorated and need for a rehab to maintain system integrity.</p>
HISTORICAL FINDINGS:	<p>Site 1: There are 14 previously recorded archaeological sites, and/or alpha (unconfirmed) sites, within this search area (Table 1; Figure 1). Site descriptions below for those sites within approximately 0.25 miles of the project area and where potential effects are unknown. Detailed information can be found in Appendix A, Page A44.</p> <p>Site 2: There are 2 previously recorded archaeological sites, and/or alpha (unconfirmed) sites, within this search area (Table 1; Figure 1). Site descriptions below for those sites within approximately 0.25 miles of the project area and where potential effects are unknown. Detailed information can be found in Appendix A, Page A48.</p> <p>Site 3: There is 1 previously recorded archaeological site, and/or alpha (unconfirmed) sites, within this search area (Table 1; Figure 1). Site descriptions below for those sites within approximately 0.25 miles of the project area and where potential effects are unknown. Detailed information can be found in Appendix A, Page A50.</p> <p>Site 4: There are 49 previously recorded archaeological sites, and/or alpha (unconfirmed) sites, within this search area (Table 1; Figure 1). Site descriptions below for those sites within approximately 0.10 miles of the project area and where potential effects are unknown. Detailed information can be found in Appendix A, Page A52.</p>

PROJECT SCHEDULE



FINANCIAL ANALYSIS

2022 Cash Flow	Current ACP	2022 – 2027 Cash Flow	Total Project Cost
\$	\$	\$	\$5,591,500

# **Currently in Tribal Consultation**

## **Project Summaries**

## 809400 Design of New Lift Station L-32A – Fridley

Program Family: 8094  
Project # 809400

### Design of New Lift Station L-32A

#### Project Location:

Council District # 2

Cities of Brooklyn Park  
and Fridley



CATEGORY	Description
PROJECT TYPE:	New Lift Station L32 A
OBJECTIVES:	Preservation
CUSTOMER LEVEL OF SERVICE:	Lead by Example, Be a Good Neighbor, Meet Capacity Needs
SCOPE:	Preliminary Design, Design, and Engineering Services during construction for the new L-32A Lift Station.
PROJECT NEED:	Condition assessments have documented structural, mechanical, and electrical deficiencies which have led to system failures, such as backups and odor issues. Additionally, the existing Lift Station does not have capacity to serve the current and future service needs of the area.

#### PROJECT SCHEDULE



Planning  
2019-2021



Design  
2022-2025



Construction  
2025-2028

#### FINANCIAL ANALYSIS

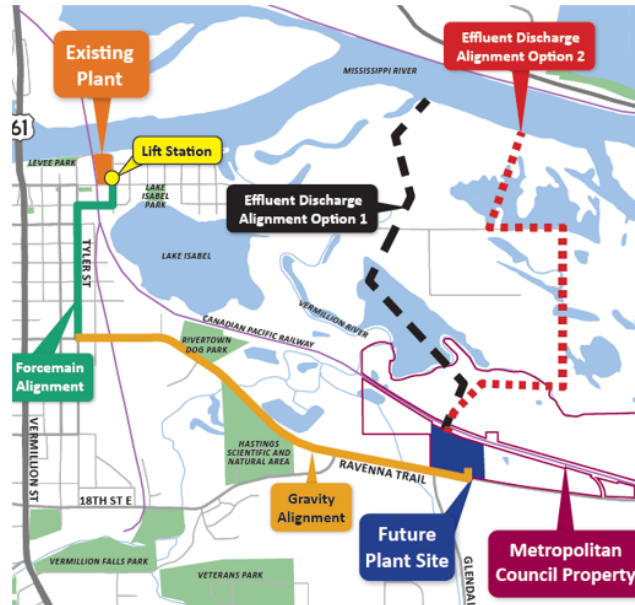
2022 Cash Flow	Current ACP	2022 – 2027 Cash Flow	Total Project Cost
\$0	\$43,128,315	\$62,000,000	\$62,000,000

## 809810 Hastings WWTP – Interceptor Improvements

Program Family: 8098  
Project # 809810

### Hastings WWTP – Interceptor Improvements

Project Location:  
Council District # 16  
City of Hastings



CATEGORY	Description
PROJECT TYPE:	Preservation and Capacity Expansion
OBJECTIVES:	Transport wastewater from the existing WWTP in downtown Hastings to the new plant site located at 2445 Ravenna Trail.
CUSTOMER LEVEL OF SERVICE:	Meet Capacity Needs and Coordinate with Others
SCOPE:	Construct a sewer pumping station at the existing WWTP. Construct 6000 linear feet (LF) of forcemain, 8800 LF of trunk gravity sewer, and 7200 LF of treated water discharge pipe to the Mississippi River. Following final acceptance of the new plant, the existing WWTP will be decommissioned, and the property will be returned the City.
PROJECT NEED:	The existing plant has reached its treatment capacity. A new plant is required to accommodate growth. All wastewater currently flowing to the existing downtown treatment plant needs to be conveyed to the new plant site.

### PROJECT SCHEDULE



Planning  
2020-2022



Design  
2022-2024



Construction  
2024-2026

### FINANCIAL ANALYSIS

2022 Cash Flow \$1,300,000	Current ACP \$21,100,000	2022 – 2027 Cash Flow \$38,500,000	Total Project Cost \$39,100,000
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## 802831 Orono Lift Stations L46 and L49 Improvements

Program Family: 8028  
Project # 802831

### Orono Lift Stations L46 and L49 Improvements

Project Location:  
Council District # 3  
City of Orono



#### CATEGORY

Description

#### PROJECT TYPE:

Lift Station Improvements

#### OBJECTIVES:

Preservation and Quality Improvement

#### CUSTOMER LEVEL OF SERVICE:

Comply with Permits, Minimize Impacts, Lead by Example, Be A Good Neighbor, Meet Capacity Needs, Communicate Information, Engage Customers, Coordinate with Others and Preserve Assets

#### SCOPE:

Replace L49 at neighboring property, fully rehabilitate L46 through replacement of pumps, mechanical equipment, and electrical panels, and implement site improvements for safety. Land has been purchased adjacent to the existing lift station to provide easier access.

#### PROJECT NEED:

Both L46 and L49 were included in recent condition assessments and were the subject of a 2009 study evaluating needed improvements. L49 is at the end of its useful life and has inadequate capacity to meet current peak flow rates. Its location is also difficult to access for maintenance.

#### PROJECT SCHEDULE



Planning

2019-2020



Design

2020-2022



Construction

2023-2024

#### FINANCIAL ANALYSIS

2022 Cash Flow	Current ACP	2022 – 2027 Cash Flow	Total Project Cost
\$160,000	\$4,186,000	\$3,869,000	\$4,186,000

## 802834 L48 Rehabilitation and 6-DH-645 Forcemain Replacement

Program Family: 8028  
Project # 802834

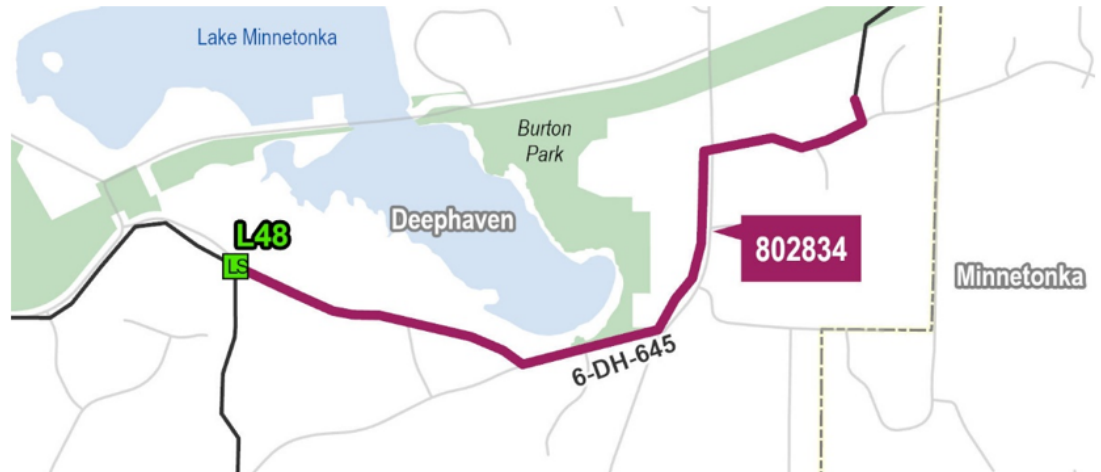
### L48 Rehabilitation and 6-DH-645 Forcemain Replacement

Project Location:

Council District # 3

City of Deephaven

Cottagewood Rd. /  
Burton Park



CATEGORY	Description
PROJECT TYPE:	Lift Station Improvements
OBJECTIVES:	Preservation and Quality Improvement
CUSTOMER LEVEL OF SERVICE:	Comply with Permits, Minimize Impacts, Lead by Example, Be A Good Neighbor, Meet Capacity Needs, Communicate Information, Engage Customers, Coordinate with Others and Preserve Assets
SCOPE:	Replace L49 at neighboring property, fully rehabilitate L46 through replacement of pumps, mechanical equipment, and electrical panels, and implement site improvements for safety. Land has been purchased adjacent to the existing lift station to provide easier access.
PROJECT NEED:	Both L46 and L49 were included in recent condition assessments and were the subject of a 2009 study evaluating needed improvements. L49 is at the end of its useful life and has inadequate capacity to meet current peak flow rates. Its location is also difficult to access for maintenance.

### PROJECT SCHEDULE



Planning

N/A



Design

2021-2022



Construction

2023-2025

### FINANCIAL ANALYSIS

2022 Cash Flow	Current ACP	2022 – 2027 Cash Flow	Total Project Cost
\$464,000	\$ 5,855,000	\$ 5,433,000	\$ 5,855,000

802856    Excelsior Area Lift Station L20

Program Family: 8028

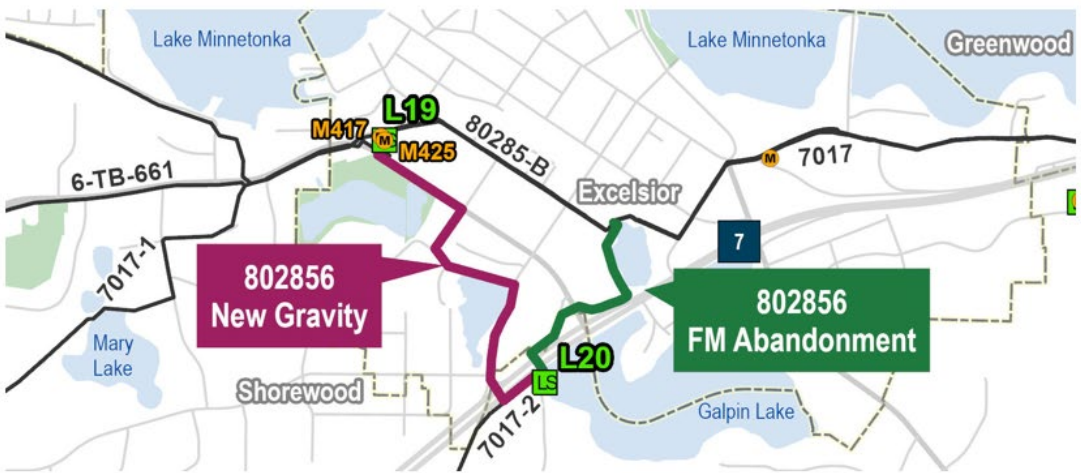
Project # 802856

Excelsior Area Lift Station L20

Project Location:

Council District # 3

City of Excelsior



CATEGORY	Description
PROJECT TYPE:	Interceptor System Improvements
OBJECTIVES:	Preservation and Quality Improvement
CUSTOMER LEVEL OF SERVICE:	Comply with Permits, Minimize Impacts, Be A Good Neighbor, Engage Customers and Coordinate with Others
SCOPE:	Remove existing lift station L20 and install a gravity pipe to lift station L19.
PROJECT NEED:	The existing L20 was constructed in 1970 and is at the end of its service life. The 2021 Lake Minnetonka Facility Plan determined that L20 should be abandoned and replaced with a gravity pipe connection to L19.

PROJECT SCHEDULE



FINANCIAL ANALYSIS

2022 Cash Flow	Current ACP	2022 – 2027 Cash Flow	Total Project Cost
\$5,000,000	\$10,001,000	\$9,358,000	\$10,001,000

802897    Orono Interceptor 7113 Forcemain Replacement

Program Family: 8028

Project # 802897

Project Location:

Council District # 3

City of Orono

Orono Interceptor 7113 Forcemain Replacement



CATEGORY	Description
PROJECT TYPE:	Interceptor System Improvements
OBJECTIVES:	Preservation and Quality Improvement
CUSTOMER LEVEL OF SERVICE:	Comply with Permits, Minimize Impacts, Be A Good Neighbor, Engage Customers and Coordinate with Others
SCOPE:	Replacement of existing forcemain from Lift Station L59 to junction with forcemain 7113A with a new forcemain. The new forcemain will follow the HCRRA trail corridor to avoid County Road 15 and the Lake Minnetonka shoreline.
PROJECT NEED:	Forcemain 7113 was built in 1979 and runs from L59 in the City of Orono to the junction with forcemain 7113A approximately 3 miles to the east. Forcemain 7113 is approaching the end of its service life and needs replacement or rehabilitation. A new redundant forcemain is proposed to increase reliability and allow the existing forcemain in Shoreline Drive to be inspected and rehabilitated or replaced.
PROJECT TYPE:	Interceptor System Improvements

PROJECT SCHEDULE



Planning  
2019-2022



Design  
2022-2024



Construction  
2024-2025

FINANCIAL ANALYSIS

2022 Cash Flow	Current ACP	2022 – 2027 Cash Flow	Total Project Cost
\$485,000	\$8,930,000	\$14,767,000	\$15,410,000