

Invitation for Tribal Consultation

Metropolitan Council Environmental Services
Capital Program Tribal Relations Information Packet
SEPTEMBER 2023



View of the banks along the St. Croix River in Stillwater, Minnesota



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

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Judy Johnson	District 1	Peter Lindstrom	District 10
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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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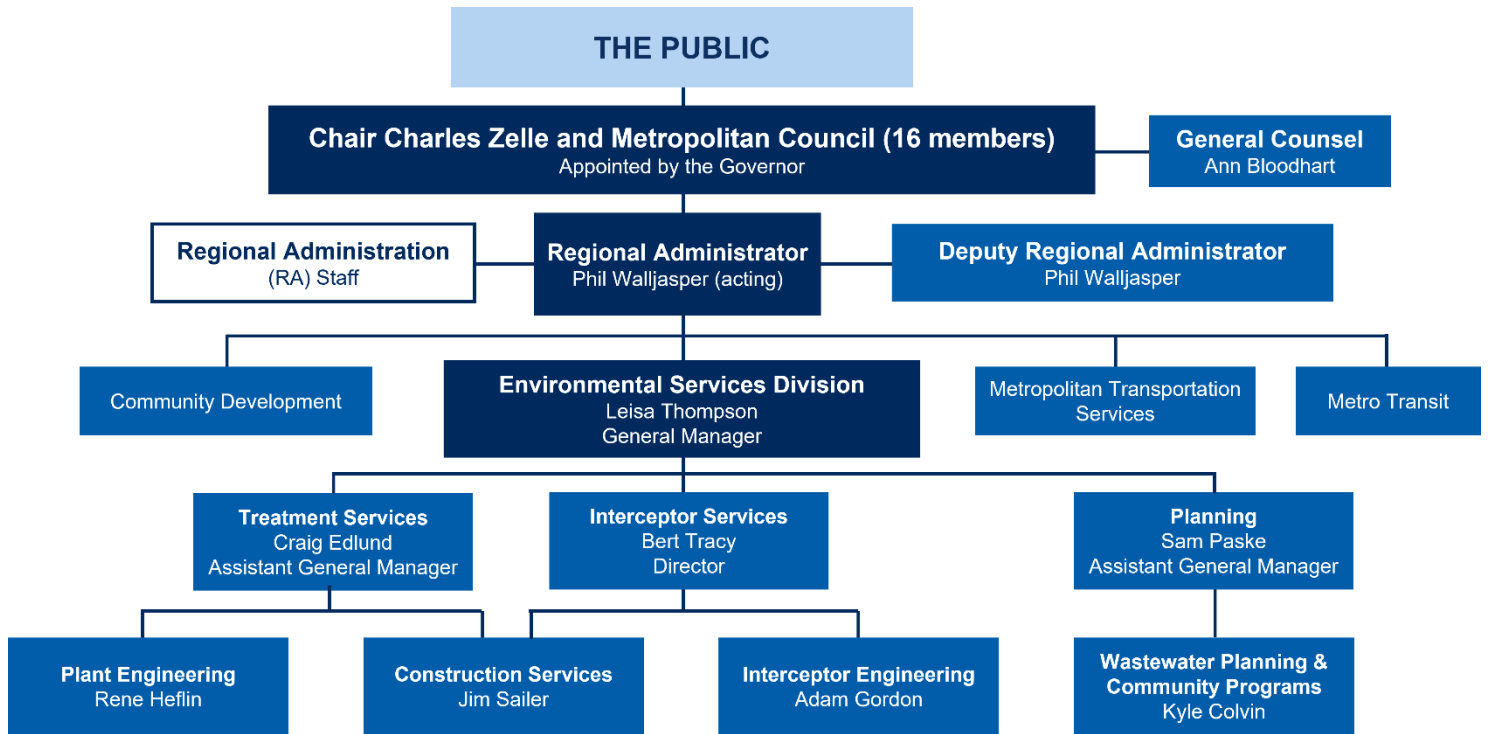
About Metropolitan Council Environmental Services



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.

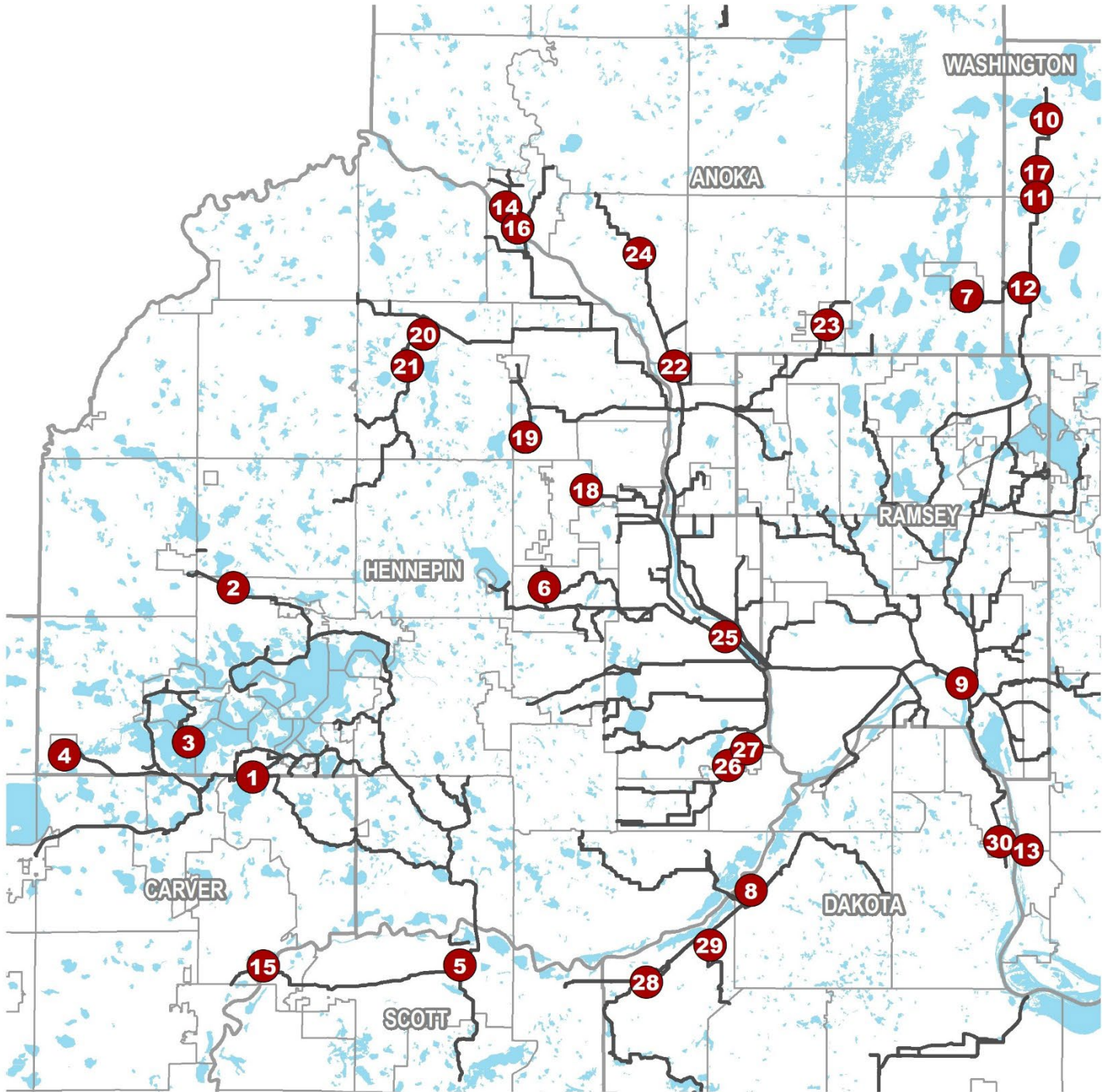
From 1970 to 2013, capital investment focused primarily on developing an efficient and effective wastewater system to meet the needs of a growing region. These investments included interceptor system capacity expansion and extension to serve the long-term service area (2040 and beyond), as well as consolidating, 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.



Council staff monitors water quality in the Seneca Fen in Eagan, near the Seneca Wastewater Treatment Plant.

MCES Overall Project Location Map - 2023



Site	Project Name	County
1	West Area Rehab - Site 1 - Interceptor 8253-327 FM (802801)	Carver
2	West Area Rehab - Site 2 - Interceptor 8352 FM (802801)	Hennepin
3	West Area Rehab - Site 3 - Interceptor 6-MT-647 (802801)	Hennepin
4	West Area Rehab - Site 4 - Interceptor 7020 (802801)	Hennepin
5	West Area Rehab - Site 5 - Interceptors 9206-1 & 7120 (802801)	Scott
6	FM-Siphon-RX-Outfall Inspctn - Site 1 - Interceptor 7114 FM (805504)	Hennepin
7	FM-Siphon-RX-Outfall Inspctn - Site 2 - Interceptor 7561 FM (805504)	Anoka
8	FM-Siphon-RX-Outfall Inspctn - Site 3 - Seneca Outfall 7003 (805504)	Dakota
9	FM-Siphon-RX-Outfall Inspctn - Site 4 - 1-MS-100 Siphon at Warner Rd (805504)	Ramsey
10	Lift Station Electrical Rehabilitation - Site 1 - Lift Station L01 (805566)	Washington
11	Lift Station Electrical Rehabilitation - Site 2 - Lift Station L02 (805566)	Washington
12	Lift Station Electrical Rehabilitation - Site 3 - Lift Station L03 (805566)	Washington
13	Lift Station Electrical Rehabilitation - Site 4 - Lift Station L31 (805566)	Washington
14	Lift Station Electrical Rehabilitation - Site 5 - Lift Station L42 (805566)	Anoka
15	L71 System Improvements (805568)	Carver

Site	Project Name	County
16	Anoka-Champlin FM Improvements (8055XX)	Anoka
17	North Area Rehab - Site 1 - Interceptor 7029 (808601)	Washington
18	North Area Rehab - Site 2 - Interceptor 1-CL-455 (808601)	Hennepin
19	North Area Rehab - Site 3 - Interceptor 7015-C (808601)	Hennepin
20	North Area Rehab - Site 5 - Interceptor 9004-1 (808601)	Hennepin
21	North Area Rehab - Site 6 - Interceptor 900415 (808601)	Hennepin
22	Fridley Liquid Waste Receiving Improvements (808607)	Anoka
23	Blaine Relief Interceptor (8086XX)	Anoka
24	Coon Rapids: 4-NS-525 Phase II (8086XX)	Anoka
25	Minneapolis Sandstone Tunnel Evaluation Program (809210)	Hennepin
26	1-MN-346 Improvements - Phase 1 (809214)	Hennepin
27	1-MN-346 Improvements - Phase 2 (8092XX)	Hennepin
28	South Area Rehab - Site 1 - Interceptor 3-BV-39 (809520)	Dakota
29	South Area Rehab - Site 2 and 3 - Interceptor 3-BV-35 (809520)	Dakota
30	South Area Rehab - Site 4 - Interceptors 7102-2 & 7111A (809520)	Dakota

ES: #1 West Area Rehab - Site 1 - Forcemain 8253-327 - Project Summary

Program Family: 8028
Project # 802801

ES: #1 West Area Rehab - Site 1 - Forcemain 8253-327

Project Location:
Council District #3
City: Shorewood and Chanhassen, MN



PROJECT TYPE:	Interceptor Improvement
OBJECTIVES:	Asset Preservation and Quality Improvements
CUSTOMER LEVEL OF SERVICE:	Preserve Assets and Minimize Impacts
SCOPE:	Rehabilitate forcemain due to pipe corrosion and improve system reliability.
PROJECT NEED:	Forcemain 8253-327 was built in 1988 and runs from L21 in the City of Shorewood to the discharge approximately 3 miles to the east. An external ultrasonic thickness gauge survey conducted in 2021 found locations of pipe loss. Additional planning will be conducted to recommend reliability improvements.

PROJECT SCHEDULE



FINANCIAL ANALYSIS

2023 Cash Flow \$300,000	Current ACP \$6,065,000	2023 – 2028 Cash Flow \$6,065,000	Total Project Cost \$6,065,000
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ES: #1 West Area Rehab - Site 1 - Interceptor 8253-327 FM

PROJECT MANAGER: Dan Fick

CONTACT INFORMATION: 651-602-1061
daniel.fick@metc.state.mn.us
3565 Kennebec Dr.
Eagan, MN 55122

EXPECTED GROUND DISTURBANCES: Disturbance will be open-cut excavation for the full length of the 8253-327 forcemain, approximately 50 feet wide. Excavations mostly inside city and MnDOT ROW.



ES: #2 West Area Rehab - Site 2 - Interceptor 8352 FM - Project Summary

Program Family: 8028
Project # 802801

ES: #2 West Area Rehab - Site 2 – Interceptor 8352 FM

Project Location:
Council District #3
Cities: Maple Plain, Orono, Medina, and Long Lake, MN



PROJECT TYPE:	Interceptor Improvement
OBJECTIVES:	Asset Preservation and Quality Improvements
CUSTOMER LEVEL OF SERVICE:	Preserve Assets and Minimize Impacts
SCOPE:	Site 2 of the West Area Improvements. This project includes rehabilitation and/or replacement of approximately 4.1 miles of forcemain due to deterioration of pipe walls.
PROJECT NEED:	Forcemain 8352 was constructed in 1985 as a single-barrel, 12-inch ductile iron pipe which runs approximately 5.1 miles from L63 in the City of Maple Plain to the discharge MH 172 in Long Lake. A one-mile segment of the forcemain at the intersection of Mn Hwy 12 and County Rd 6 was replaced in 2011 with dual barrel 14-inch HDPE pipes. Forcemain 8352 was evaluated using ultrasonic testing in 2021 and determined to have wall thickness loss. This reduction in wall thickness will require rehabilitation to extend forcemain service life. Reliability and future flow needs will be evaluated as part of this project.

PROJECT SCHEDULE



FINANCIAL ANALYSIS

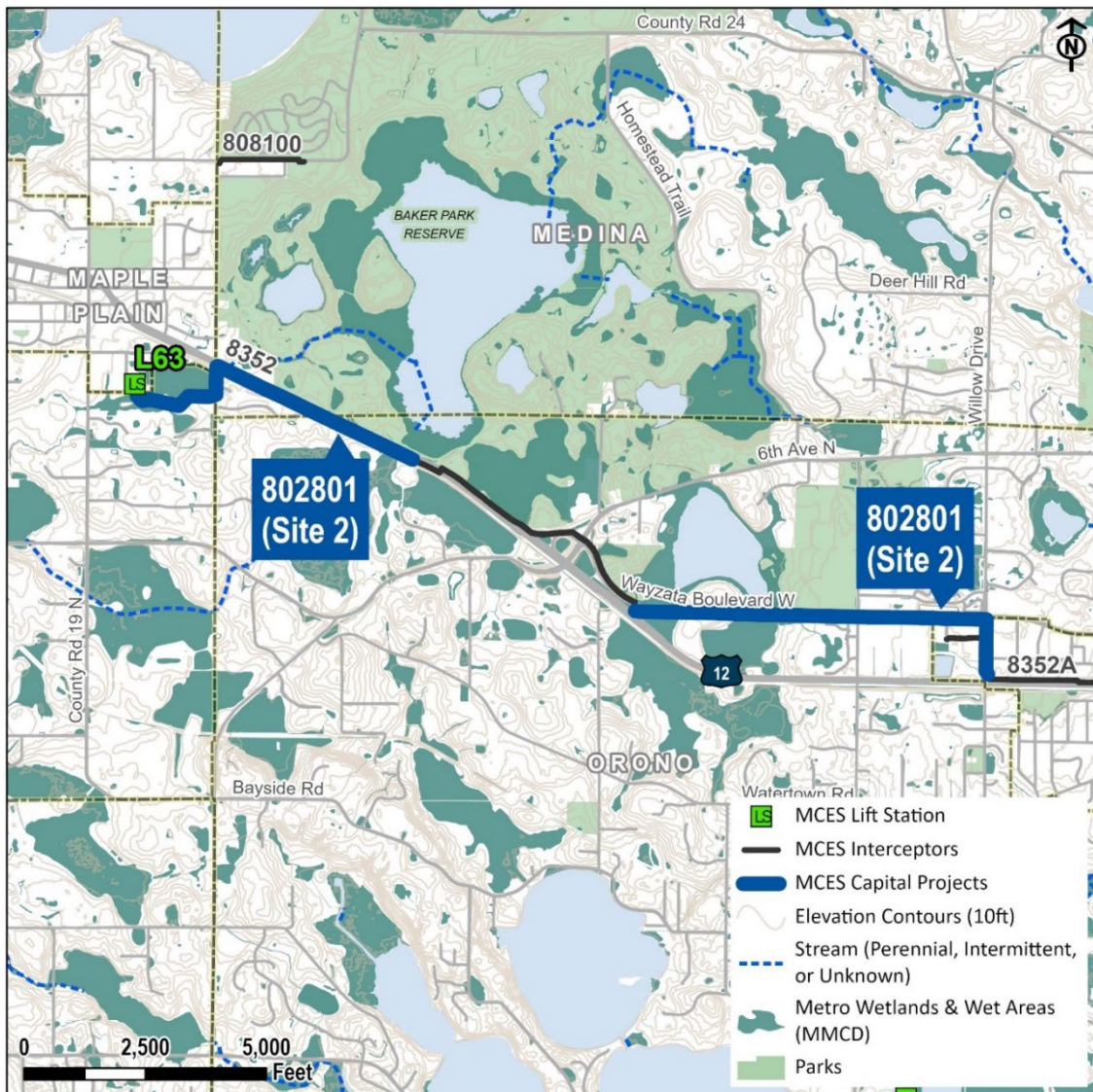
2023 Cash Flow \$300,000	Current ACP \$3,815,000	2023 – 2028 Cash Flow \$3,815,000	Total Project Cost \$3,815,000
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ES: #2 West Area Rehab - Site 2 - Interceptor 8352 FM

PROJECT MANAGER: Amanda Mondor

CONTACT INFORMATION: 651-204-2066
amanda.mondor@metc.state.mn.us
3565 Kennebec Dr.
Eagan, MN 55122

EXPECTED GROUND DISTURBANCES: Excavation necessary to construct a new forcemain parallel to the existing line. Structure replacement to be determined based on condition assessments.



ES: #3 West Area Rehab - Site 3 - Interceptor 6-MT-647 - Project Summary

Program Family: 8028
Project # 802801

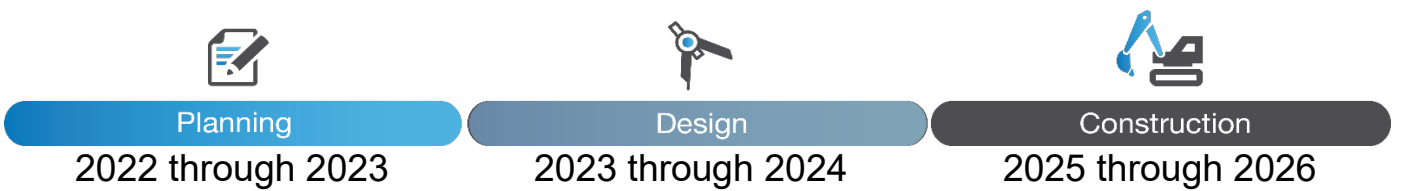
ES: #3 West Area Rehab - Site 3 - Interceptor 6-MT-647

Project Location:
Council District #3
City: Minnetrista, MN



PROJECT TYPE:	Interceptor Improvement
OBJECTIVES:	Asset Preservation
CUSTOMER LEVEL OF SERVICE:	Preserve Assets and Minimize Impacts
SCOPE:	Rehabilitate forcemains due to a significant sag in the pipe profile.
PROJECT NEED:	Gravity interceptor 6-MT-647 is 8" DIP and was built in 1973. It serves the area of the Minnetrista peninsula in Lake Minnetonka upstream of lift station L51. Between 2009 and 2017, CCTV-based inspection downgraded the pipe from condition 3 to 4 between MH25-17 and MH25-18 due to a sag in the pipe. This defect requires further investigation, and, if warranted, repair.

PROJECT SCHEDULE



FINANCIAL ANALYSIS

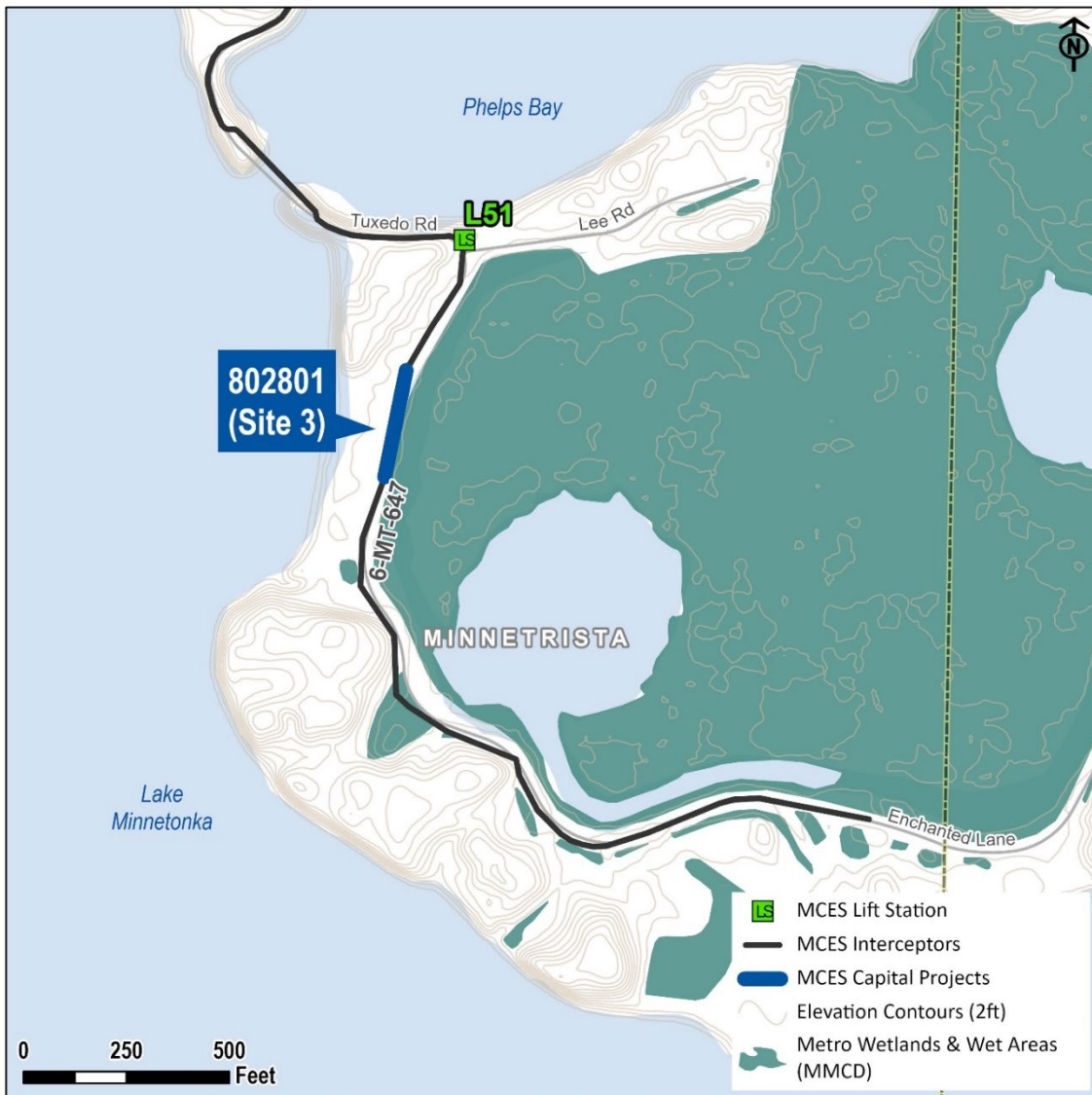
2023 Cash Flow \$100,000	Current ACP \$2,314,800	2023 – 2028 Cash Flow \$2,314,800	Total Project Cost \$2,314,800
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ES: #3 West Area Rehab - Site 3 - Interceptor 6-MT-647

PROJECT MANAGER: Dan Fick

CONTACT INFORMATION: 651-602-1061
daniel.fick@metc.state.mn.us
3565 Kennebec Dr.
Eagan, MN 55122

EXPECTED GROUND DISTURBANCES: Disturbance will be open-cut excavation along interceptor 6-MT-647 between MH25-18 and MH25-17, approximately 30 feet wide.



ES: #4 West Area Rehab - Site 4 - Interceptor 7020 – Project Summary

Program Family: 8028
Project # 802801

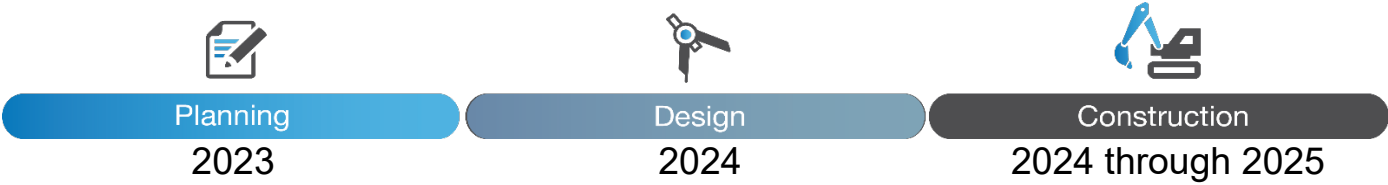
ES: #4 West Area Rehab - Site 4 – Interceptor 7020

Project Location:
Council District #3
City: St. Bonifacius, MN



PROJECT TYPE:	Interceptor Improvement
OBJECTIVES:	Asset Preservation
CUSTOMER LEVEL OF SERVICE:	Preserve Assets and Minimize Impacts
SCOPE:	Rehabilitate gravity pipe due to sag and joint separation under Highway 7
PROJECT NEED:	<p>Gravity Interceptor 7020 is both 15" ABS pipe and 16" DIP and was built in 1971. It serves the area of Minnetrista and St. Bonifacius.</p> <p>In 2020, CCTV-based inspection rated the pipe condition 4 due to joint offsets in the pipe, joint separation and corrosion in the pipe. These defects require further investigation and will require significant coordination with MNDOT to work in the Highway 7 corridor.</p>

PROJECT SCHEDULE



FINANCIAL ANALYSIS

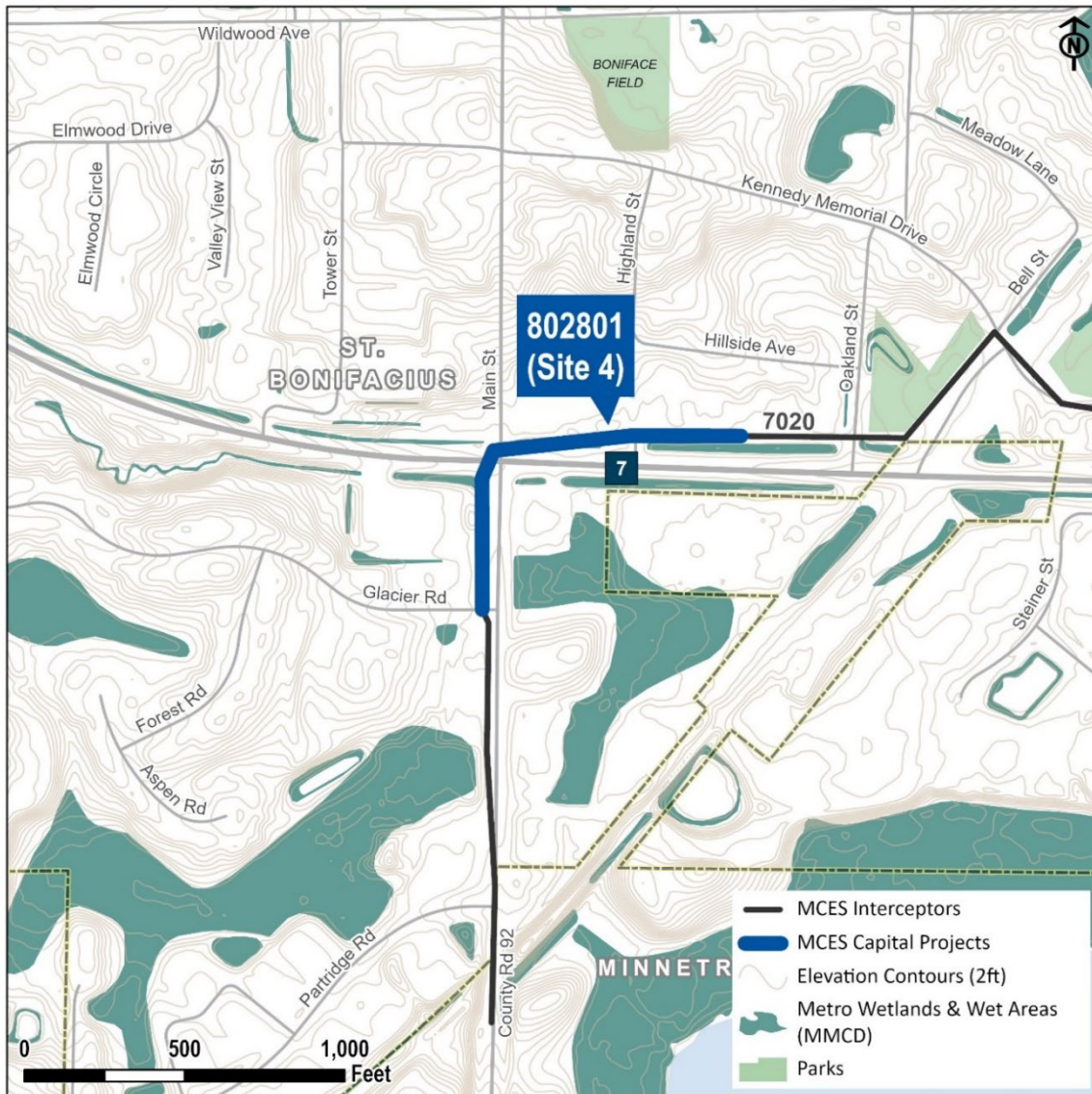
2023 Cash Flow \$100,000	Current ACP \$2,314,000	2023 – 2028 Cash Flow \$2,314,000	Total Project Cost \$2,314,000
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ES: #4 West Area Rehab - Site 4 - Interceptor 7020

PROJECT MANAGER: John Hemming

CONTACT INFORMATION: 651-602-4517
john.hemming@metc.state.mn.us
3565 Kennebec Dr.
Eagan, MN 55122

EXPECTED GROUND DISTURBANCES: Two large excavations 20x40 for temporary conveyance and 3 small excavations 12x12 for structure replacement and lining. May be less impact after further evaluation is complete.



ES: #5 West Area Rehab - Site 5 - Interceptors 9206-1 & 7120 - Project Summary

Program Family: 8028
Project # 802801

ES: #5 West Area Rehab - Site 5 - Interceptors 9206-1 & 7120

Project Location:
Council District #4
City: Shakopee, MN



PROJECT TYPE:	Interceptor Improvement
OBJECTIVES:	Asset Preservation
CUSTOMER LEVEL OF SERVICE:	Preserve Assets and Minimize Impacts
SCOPE:	Rehabilitate interceptors 9206-1 and 7120
PROJECT NEED:	The Metropolitan Council Environmental Services (MCES) owns and operates the Interceptors 9206-1 and 7120 in Shakopee, which were built in 1975. A 2020 condition assessment revealed over 3,500 linear feet (LF) of 72-inch piping with a condition rating of 4, between MH 1 and the junction vault between 9206-1 and 7120. There is also a 31 LF section of 72-inch piping between a previous lining project and the junction vault. This section of piping has a condition 5 rating. The junction vault will also need to be inspected and potentially rehabilitated.

PROJECT SCHEDULE



FINANCIAL ANALYSIS

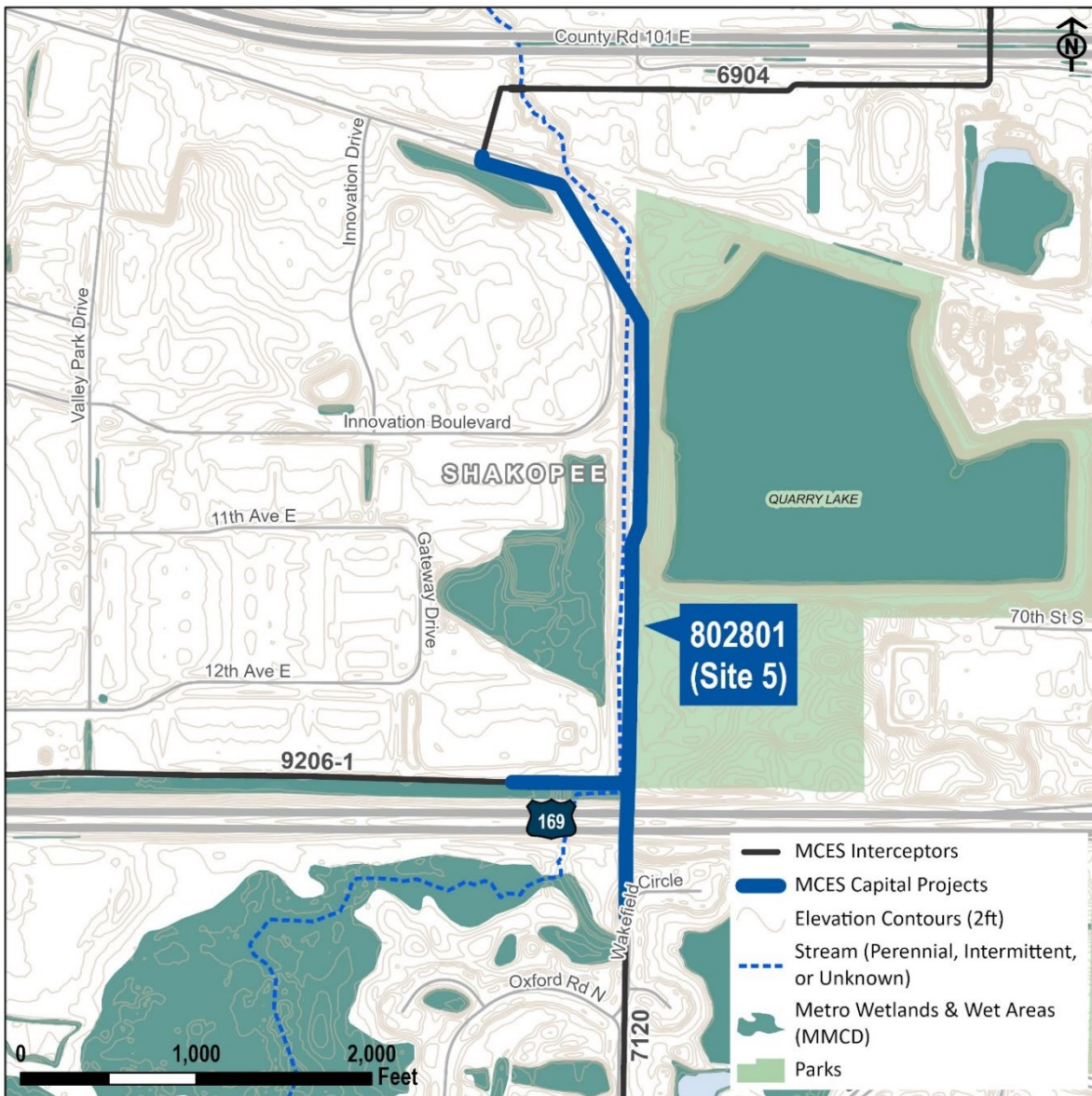
2023 Cash Flow \$120,000	Current ACP \$3,814,000	2023 – 2028 Cash Flow \$3,814,000	Total Project Cost \$3,814,000
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ES: #5 West Area Rehab - Site 5 - Interceptors 9206-1 & 7120

PROJECT MANAGER: Robert Johnson

CONTACT INFORMATION: 651-602-4505
robert.johnson@metc.state.mn.us
3565 Kennebec Dr.
Eagan, MN 55122

EXPECTED GROUND DISTURBANCES: This project is in preliminary design. Project will consist of sewer lining and manhole rehabilitation as required.

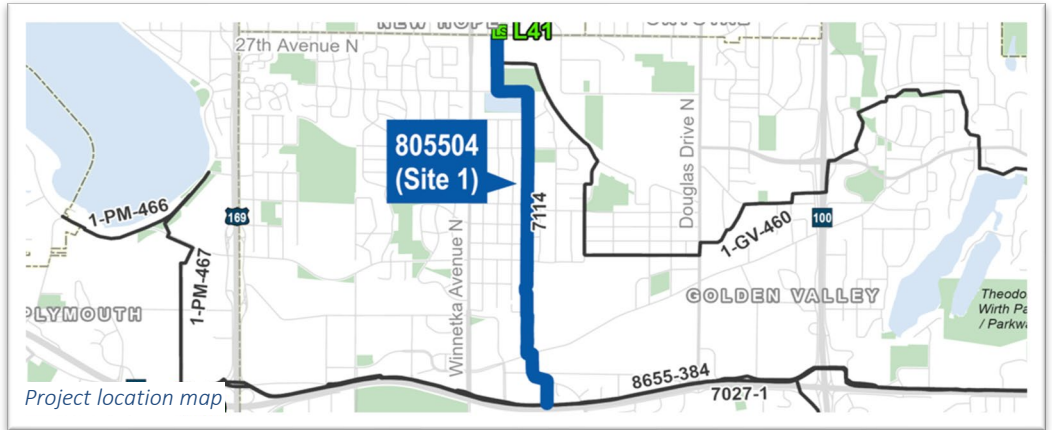


ES: #6 FM-Siphon-RX-Outfall Inspection - Site 1 - Interceptor 7114 FM - Project Summary

Program Family: 8055
Project # 805504

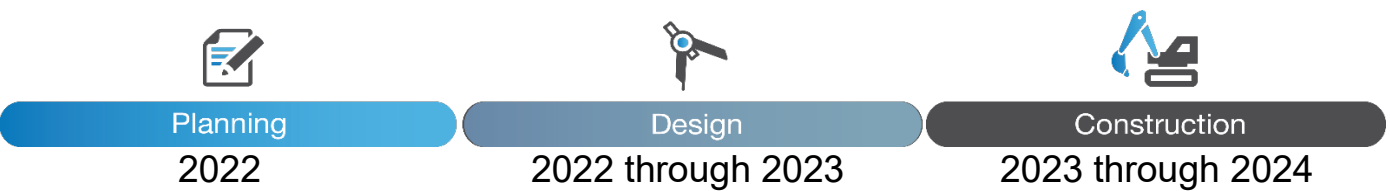
ES: #6 FM-Siphon-RX-Outfall Inspection - Site 1 - Interceptor 7114 FM

Project Location:
Council District #6
City: Golden Valley, MN



PROJECT TYPE:	Condition Assessment
OBJECTIVES:	Asset Preservation
CUSTOMER LEVEL OF SERVICE:	Preserve Assets and Minimize Impacts
SCOPE:	Inspect two miles of force main in Golden Valley.
PROJECT NEED:	Programmatic evaluation of assets in accordance with the 2022 Force Main-Siphon-River Crossing-Outfall Inspection Program Manual.

PROJECT SCHEDULE



FINANCIAL ANALYSIS

2023 Cash Flow \$400,000	Current ACP \$4,060,000	2023 – 2028 Cash Flow \$2,800,000	Total Project Cost \$2,800,000
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ES: #6 FM-Siphon-RX-Outfall Inspection - Site 1 - Interceptor 7114

PROJECT MANAGER: Jeff Schwarz

CONTACT INFORMATION: 651-602-1176
jeffrey.schwarz@metc.state.mn.us
390 Robert St. N.
St. Paul, MN 55101

EXPECTED GROUND DISTURBANCES: No excavations anticipated.



ES: #7 FM-Siphon-RX-Outfall Inspection - Site 2 - Interceptor 7651 FM – Project Summary

Program Family: 8055
Project # 805504

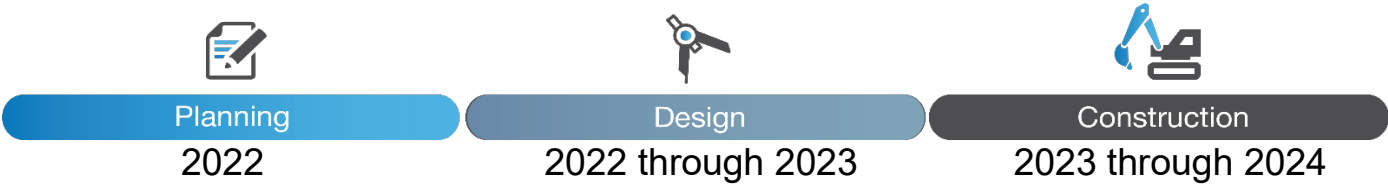
ES: #7 FM-Siphon-RX-Outfall Inspection - Site 2 - Interceptor 7651 FM

Project Location:
Council District #11
City: Centerville, MN



PROJECT TYPE:	Condition Assessment
OBJECTIVES:	Asset Preservation
CUSTOMER LEVEL OF SERVICE:	Preserve Assets and Minimize Impacts
SCOPE:	Inspect 1.5 miles of force main in Centerville.
PROJECT NEED:	Programmatic evaluation of assets in accordance with the 2022 Force Main-Siphon-River Crossing-Outfall Inspection Program Manual.

PROJECT SCHEDULE



FINANCIAL ANALYSIS

2023 Cash Flow \$400,000	Current ACP \$4,060,000	2023 – 2028 Cash Flow \$2,800,000	Total Project Cost \$2,800,000
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ES: #7 FM-Siphon-RX-Outfall Inspection - Site 2 - Interceptor 7651

PROJECT MANAGER: Jeff Schwarz

CONTACT INFORMATION: 651-602-1176
jeffrey.schwarz@metc.state.mn.us
390 Robert St. N.
St. Paul, MN 55101

EXPECTED GROUND DISTURBANCES: No excavations anticipated.



ES: #8 FM-Siphon-RX-Outfall Inspection - Site 3 - Seneca Outfall 7003 - Project Summary

Program Family: 8055
Project # 805504

ES: #8 FM-Siphon-RX-Outfall Inspection - Site 3 - Seneca Outfall 7003

Project Location:
Council District #5
Seneca WWTP to the Mississippi River in Eagan



PROJECT TYPE:	Condition Assessment
OBJECTIVES:	Asset Preservation
CUSTOMER LEVEL OF SERVICE:	Preserve Assets and Minimize Impacts
SCOPE:	Inspect one mile of outfall at Seneca WWTP in Eagan.
PROJECT NEED:	Programmatic evaluation of assets in accordance with the 2022 Force Main-Siphon-River Crossing-Outfall Inspection Program Manual.

PROJECT SCHEDULE



FINANCIAL ANALYSIS

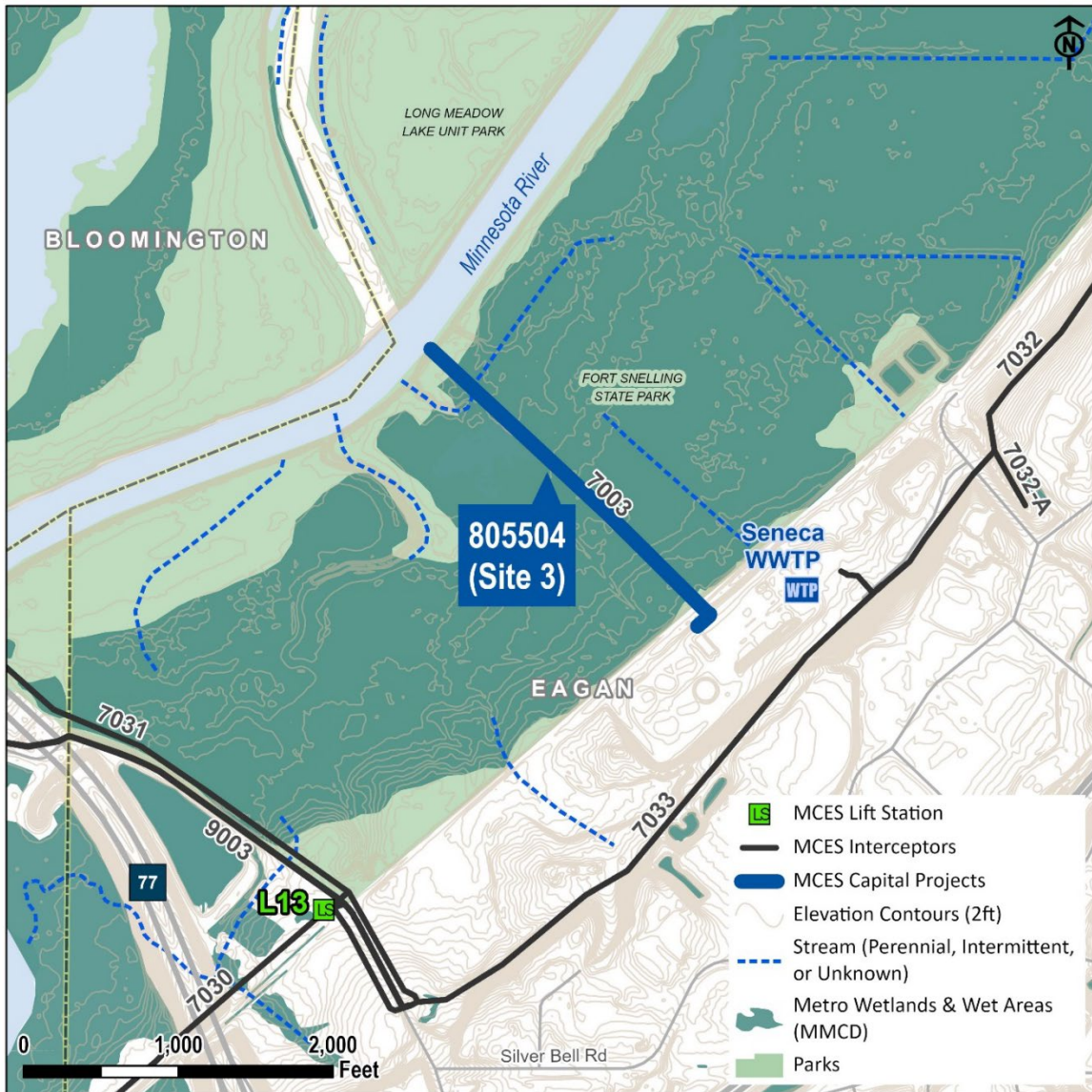
2023 Cash Flow \$400,000	Current ACP \$4,060,000	2023 – 2028 Cash Flow \$2,800,000	Total Project Cost \$2,800,000
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ES:#8 FM-Siphon-RX-Outfall Inspection- Site 3- Seneca Outfall 7003

PROJECT MANAGER: Jeff Schwarz

CONTACT INFORMATION: 651-602-1176
jeffrey.schwarz@metc.state.mn.us
390 Robert St. N.
St. Paul, MN 55101

EXPECTED GROUND DISTURBANCES: No excavations anticipated.



ES: #9 - FM-Siphon-RX-Outfall Inspection - Site 4 - Interceptor 1-MS-100 Siphon at Warner Rd - Project Summary

Program Family: 8055
Project # 805504

ES: #9 FM-Siphon-RX-Outfall Inspection - Site 4 - Interceptor 1-MS-100 Siphon at Warner Rd

Project Location:
Council District #13
City: Saint Paul, MN



PROJECT TYPE:	Condition Assessment
OBJECTIVES:	Asset Preservation
CUSTOMER LEVEL OF SERVICE:	Preserve Assets and Minimize Impacts
SCOPE:	Inspect the Metro Siphon in Saint Paul
PROJECT NEED:	Programmatic evaluation of assets in accordance with the 2022 Force Main-Siphon-River Crossing-Outfall Inspection Program Manual.

PROJECT SCHEDULE



FINANCIAL ANALYSIS

2023 Cash Flow \$400,000	Current ACP \$4,060,000	2023 – 2028 Cash Flow \$2,800,000	Total Project Cost \$2,800,000
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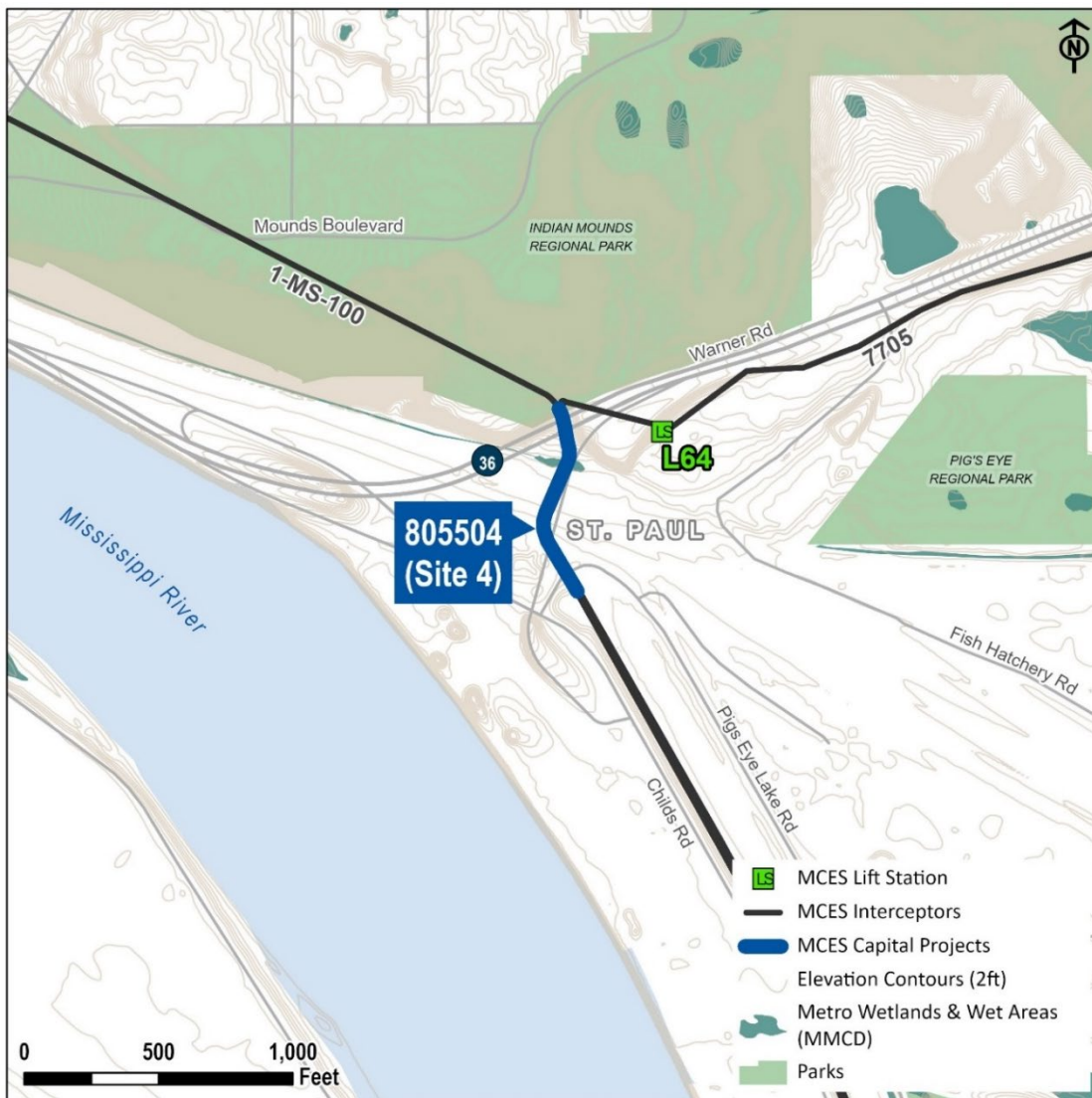
ES: #9 FM-Siphon-RX-Outfall Inspection - Site 4 - Interceptor 1-MS-100 Siphon at Warner Rd - Project Information

ES: #9 FM-Siphon-RX-Outfall Inspection - Site 4 - Interceptor 1-MS-100 Siphon at Warner Rd

PROJECT MANAGER: Jeff Schwarz

CONTACT INFORMATION: 651-602-1176
jeffrey.schwarz@metc.state.mn.us
390 Robert St. N.
St. Paul, MN 55101

EXPECTED GROUND DISTURBANCES: One shallow excavation 4 x 8.

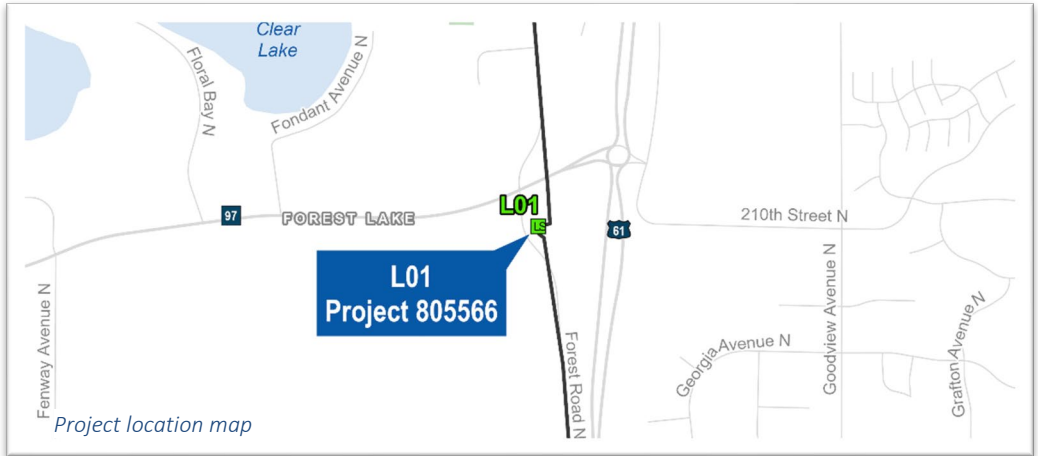


ES: #10 Lift Station Electrical Rehabilitation - Site 1 - L01 - Project Summary

Program Family: 8055
Project # 805566

ES: #10 Lift Station Electrical Rehabilitation – Site 1 - L01

Project Location:
Council District #12
City: Forest Lake, MN



PROJECT TYPE:	Lift Station Improvement
OBJECTIVES:	Asset Preservation
CUSTOMER LEVEL OF SERVICE:	Preserve Assets and Minimize Impacts
SCOPE:	Replace MCC (Motor Control Center) and in new enclosure, replace main breaker, replace manual transfer switch with automatic transfer switch and to install permanent generator in outdoor enclosure.
PROJECT NEED:	The electrical condition assessment reports, preventative maintenance data, and arc flash study results were reviewed and prioritized by MCES engineering, electrical, and ISBU staff. Lift Station L01 in Forest Lake is identified as a site needing rehabilitation as soon as possible. This site has many components in poor shape or obsolete.

PROJECT SCHEDULE



Planning

2022 through 2023



Design

2023 through 2024



Construction

2024 through 2025

FINANCIAL ANALYSIS

2023 Cash Flow \$200,000	Current ACP \$200,000	2023 – 2028 Cash Flow \$1,200,000	Total Project Cost \$2,000,000
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ES: #10 Lift Station Electrical Rehabilitation - Site 1 - Lift Station L01

PROJECT MANAGER: John Hemming

CONTACT INFORMATION: 651-602-4517
john.hemming@metc.state.mn.us
3565 Kennebec Dr.
Eagan, MN 55122

EXPECTED GROUND DISTURBANCES: Preliminary design is scheduled to begin July 2023. There is interior and exterior electrical work at the pump station which includes trenching for electrical conduits and placement of concrete slabs for electrical equipment.



ES: #11 Lift Station Electrical Rehabilitation - Site 2 - L02 - Project Summary

Program Family: 8055
Project # 805566

ES: #11 Lift Station Electrical Rehabilitation - Site 2 - L02

Project Location:
Council District #11
City: Hugo, MN



PROJECT TYPE:	Lift Station Improvement
OBJECTIVES:	Asset Preservation
CUSTOMER LEVEL OF SERVICE:	Preserve Assets and Minimize Impacts
SCOPE:	Recommendations are to replace MCC in weather-proof enclosure, replace ATS and include space heater and provisions for moisture control, and to replace circuit breakers and clean all connections.
PROJECT NEED:	The electrical condition assessment reports, preventative maintenance data, and arc flash study results were reviewed and prioritized by MCES engineering, electrical, and ISBU staff. Lift Station L02 in Hugo is identified as a site needing rehabilitation as soon as possible. This site has many components that show corrosion and are obsolete.

PROJECT SCHEDULE



FINANCIAL ANALYSIS

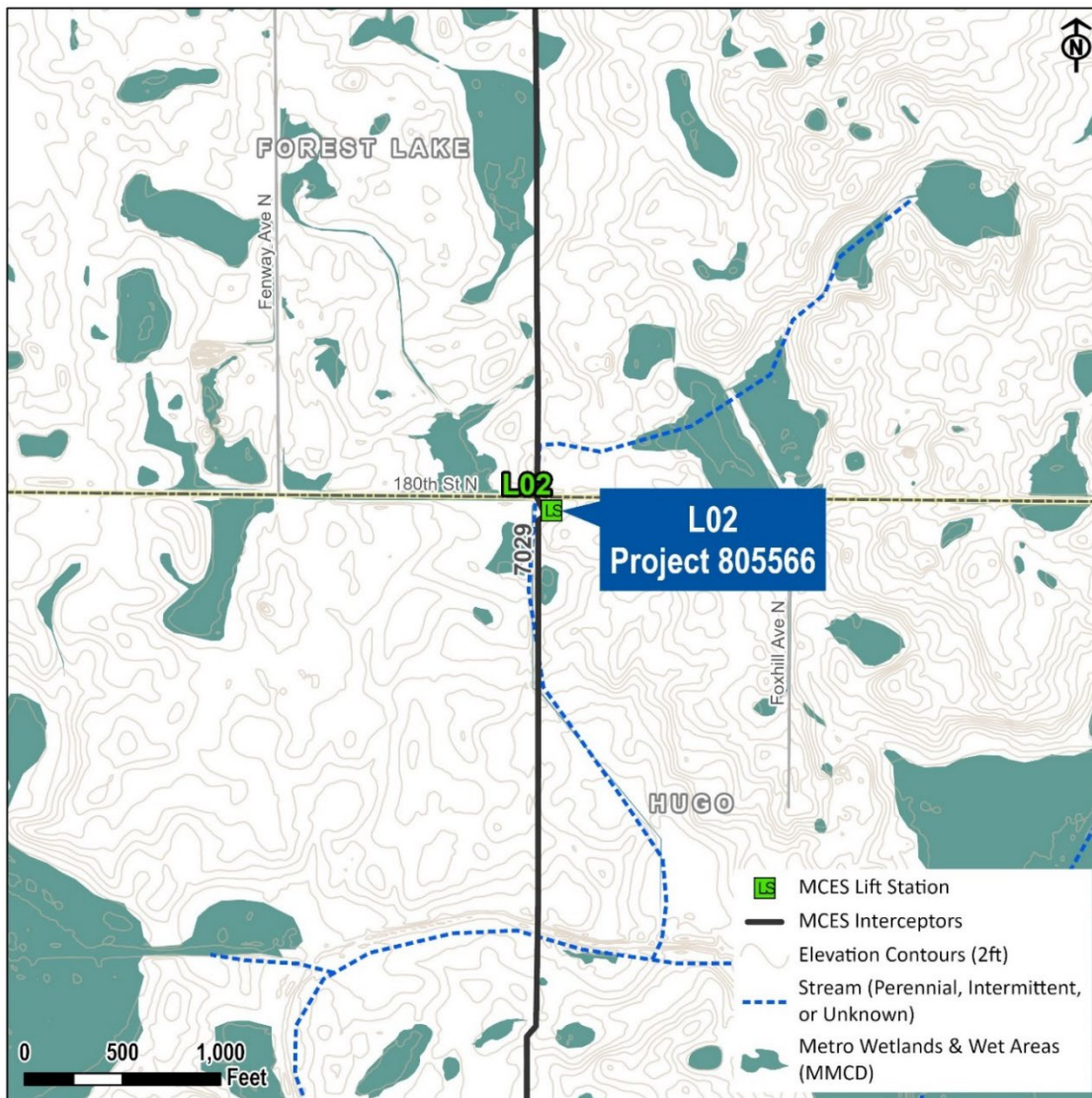
2023 Cash Flow \$200,000	Current ACP \$200,000	2023 – 2028 Cash Flow \$1,200,000	Total Project Cost \$2,000,000
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ES: #11 Lift Station Electrical Rehabilitation - Site 2 - Lift Station L02

PROJECT MANAGER: John Hemming

CONTACT INFORMATION: 651-602-4517
john.hemming@metc.state.mn.us
3565 Kennebec Dr.
Eagan, MN 55122

EXPECTED GROUND DISTURBANCES: Preliminary design is scheduled to begin July 2023. There is interior and exterior electrical work at the pump station which includes trenching for electrical conduits and placement of concrete slabs for electrical equipment.

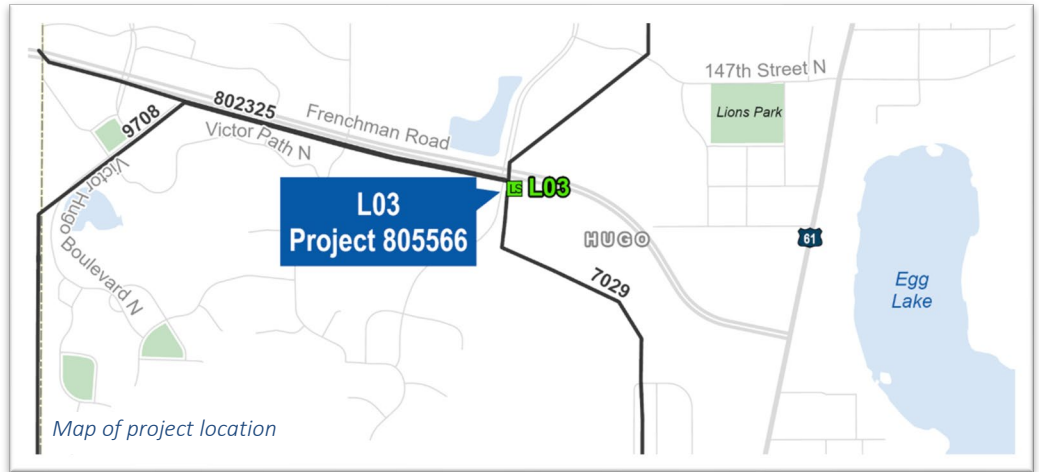


ES: #12 Lift Station Electrical Rehabilitation - Site 3 - L03 - Project Summary

Program Family: 8055
Project # 805566

ES: #12 Lift Station Electrical Rehabilitation - Site 3 - Lift Station L03

Project Location:
Council District #11
City: City of Hugo, MN
Location: Lift Station L03



PROJECT TYPE:	Lift Station Improvement
OBJECTIVES:	Asset Preservation
CUSTOMER LEVEL OF SERVICE:	Preserve Assets and Minimize Impacts
SCOPE:	This site has many components that show corrosion and are obsolete. Recommendations are to replace both MCCs in above grade, weather-proofed enclosures, clean and paint ATS enclosure, and to install outdoor service breaker.
PROJECT NEED:	The electrical condition assessment reports, preventative maintenance data, and arc flash study results were reviewed and prioritized by MCES engineering, electrical, and ISBU staff. Lift Station L03 in Hugo is identified as a site needing rehabilitation as soon as possible.

PROJECT SCHEDULE



Planning

2022 through 2023



Design

2023 through 2024



Construction

2024 through 2025

FINANCIAL ANALYSIS

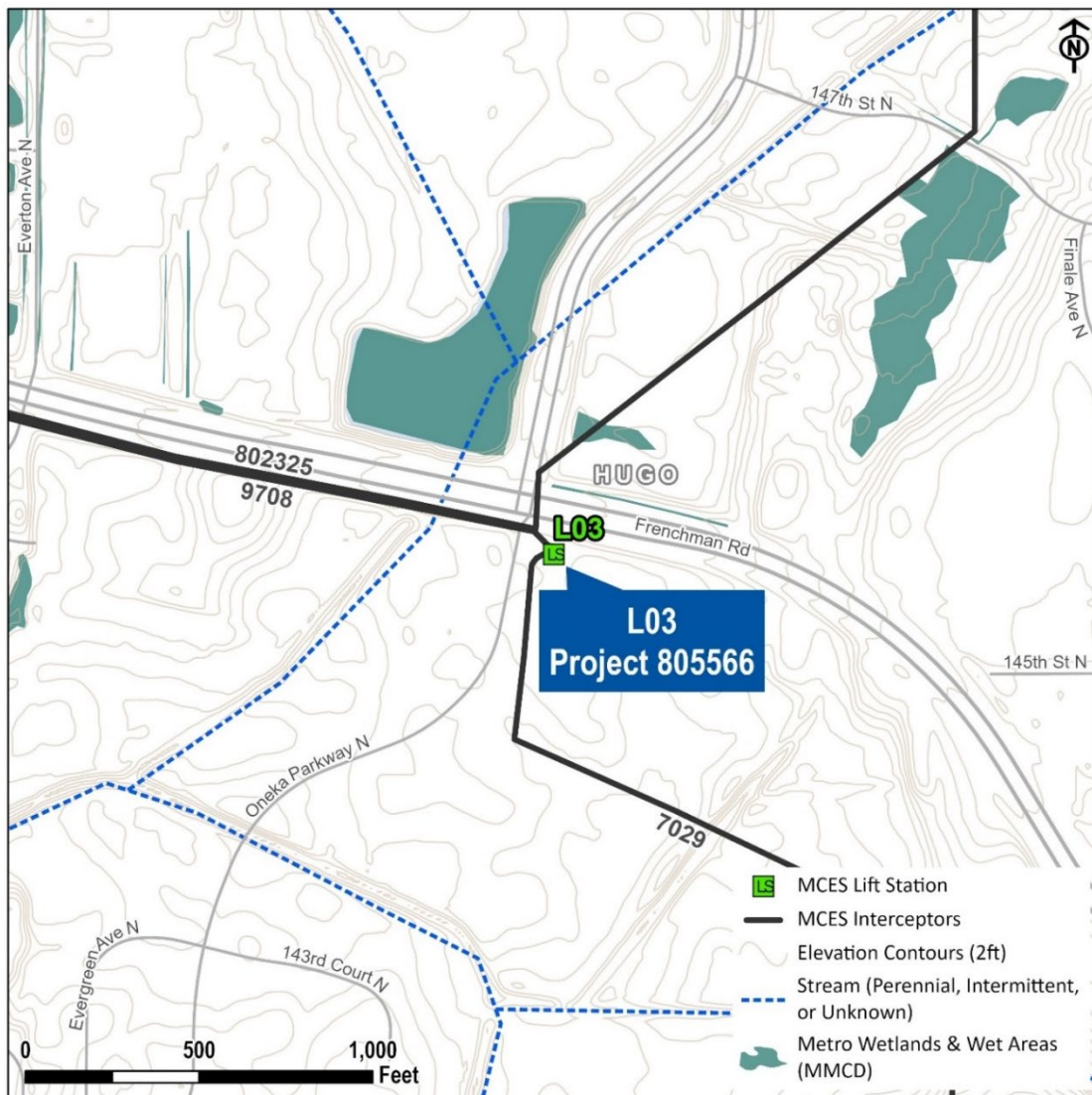
2023 Cash Flow \$200,000	Current ACP \$200,000	2023 – 2028 Cash Flow \$1,200,000	Total Project Cost \$2,000,000
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ES: #12 Lift Station Electrical Rehabilitation - Site 3 - Lift Station L03

PROJECT MANAGER: John Hemming

CONTACT INFORMATION: 651-602-4517
john.hemming@metc.state.mn.us
3565 Kennebec Dr.
Eagan, MN 55122

EXPECTED GROUND DISTURBANCES: Preliminary design is scheduled to begin July 2023. There is interior and exterior electrical work at the pump station which includes trenching for electrical conduits and placement of concrete slabs for electrical equipment.

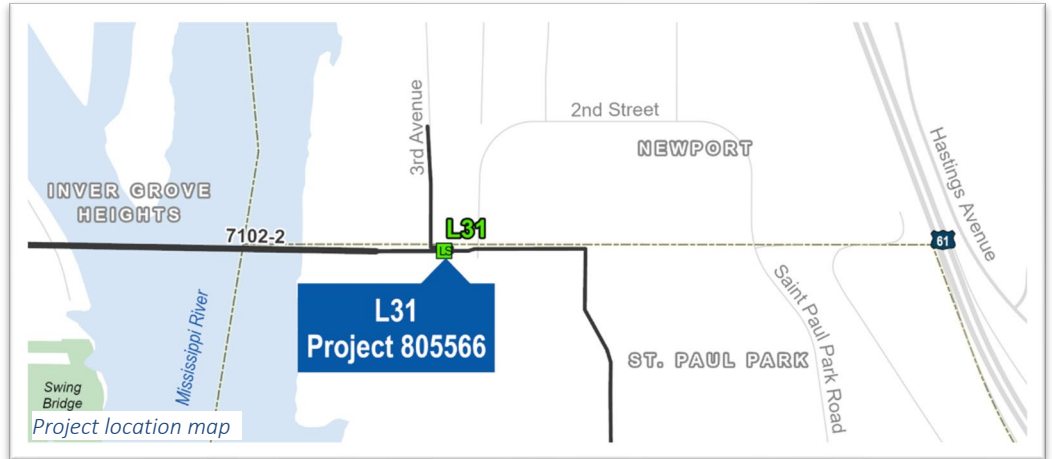


ES: #13 Lift Station Electrical Rehabilitation - Site 4 - L31 – Project Summary

Program Family: 8055
Project # 805566

ES: #13 Lift Station Electrical Rehabilitation – Site 4 - L31

Project Location:
Council District #13
City: St. Paul Park, MN



PROJECT TYPE:	Lift Station Improvement
OBJECTIVES:	Asset Preservation
CUSTOMER LEVEL OF SERVICE:	Preserve Assets and Minimize Impacts
SCOPE:	This site has many components that are potentially dangerous and nearing end-of-life. Recommendations are to install outdoor service circuit breaker, provide with remote on/off functions, and to install new MCC.
PROJECT NEED:	The electrical condition assessment reports, preventative maintenance data, and arc flash study results were reviewed and prioritized by MCES engineering, electrical, and ISBU staff. Lift Station L31 in St. Paul Park is identified as a site needing rehabilitation as soon as possible.

PROJECT SCHEDULE



Planning

2022 through 2023



Design

2023 through 2024



Construction

2024 through 2025

FINANCIAL ANALYSIS

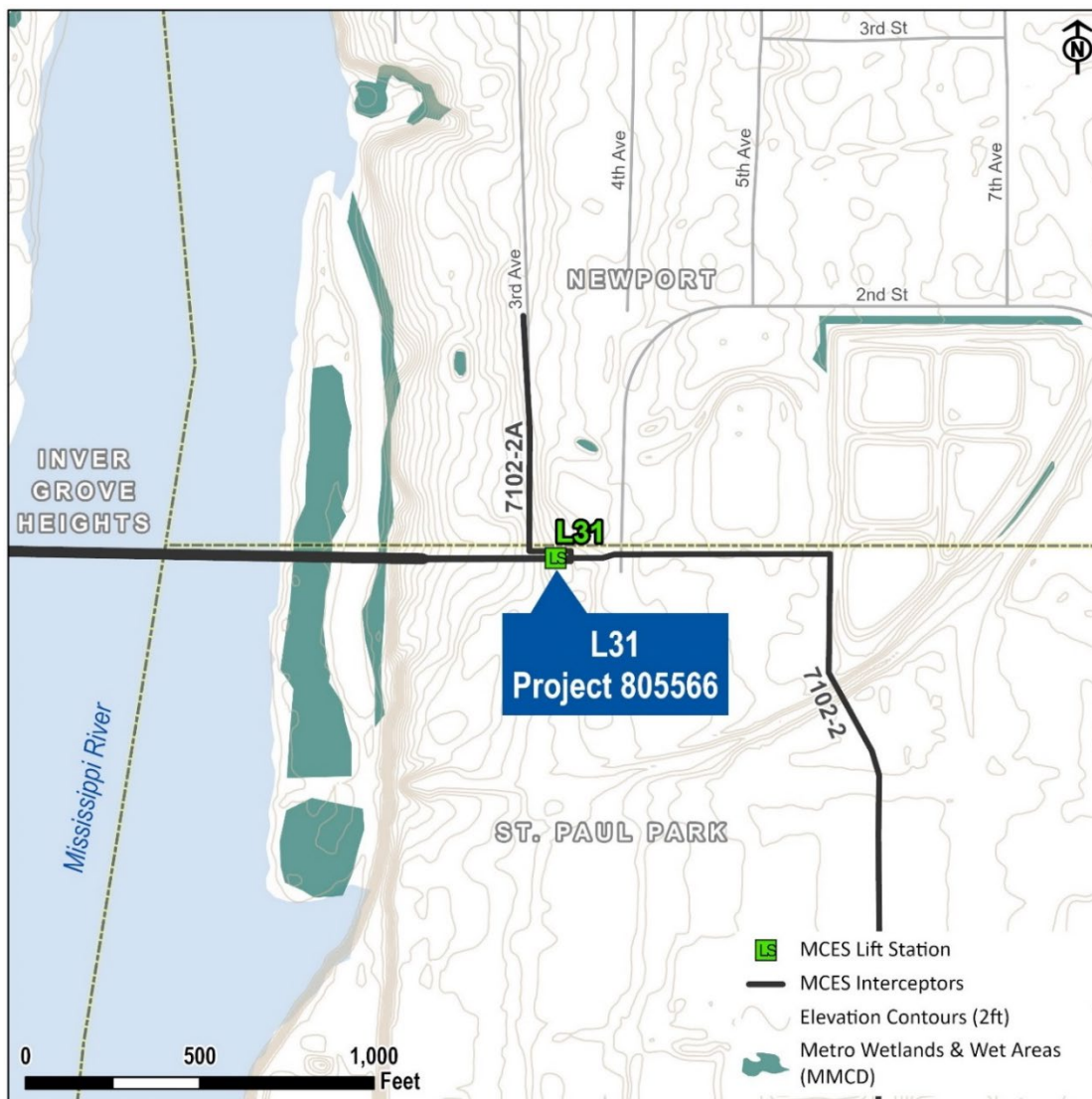
2023 Cash Flow \$200,000	Current ACP \$1,000,000	2023 – 2028 Cash Flow \$1,200,000	Total Project Cost \$2,000,000
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ES: #13 Lift Station Electrical Rehabilitation - Site 4 - Lift Station L31

PROJECT MANAGER: John Hemming

CONTACT INFORMATION: 651-602-4517
john.hemming@metc.state.mn.us
3565 Kennebec Dr.
Eagan, MN 55122

EXPECTED GROUND DISTURBANCES: Preliminary design is scheduled to begin July 2023. There is interior and exterior electrical work at the pump station which includes trenching for electrical conduits and placement of concrete slabs for electrical equipment.



ES: #14 Lift Station Electrical Rehabilitation - Site 5 - L42 - Project Summary

Program Family: 8055
Project # 805566

ES: #14 Lift Station Electrical Rehabilitation - Site 5 - L42

Project Location:
Council District #9
City: Anoka, MN



PROJECT TYPE:	Lift Station Improvement
OBJECTIVES:	Asset Preservation
CUSTOMER LEVEL OF SERVICE:	Preserve Assets and Minimize Impacts
SCOPE:	Recommendations are to install outdoor service entrance circuit breaker, retrofit main switchboard to include surge protection and power meter, expand the existing switchboard to include an ATS, add flow meters at lift station, and to clean or replace corroded equipment.
PROJECT NEED:	The electrical condition assessment reports, preventative maintenance data, and arc flash study results were reviewed and prioritized by MCES engineering, electrical, and ISBU staff. Lift Station L31 in St. Paul Park is identified as a site needing rehabilitation as soon as possible. This site has many components that are showing corrosion and potentially dangerous.

PROJECT SCHEDULE



Planning

2022 through 2023



Design

2023 through 2024



Construction

2024 through 2025

FINANCIAL ANALYSIS

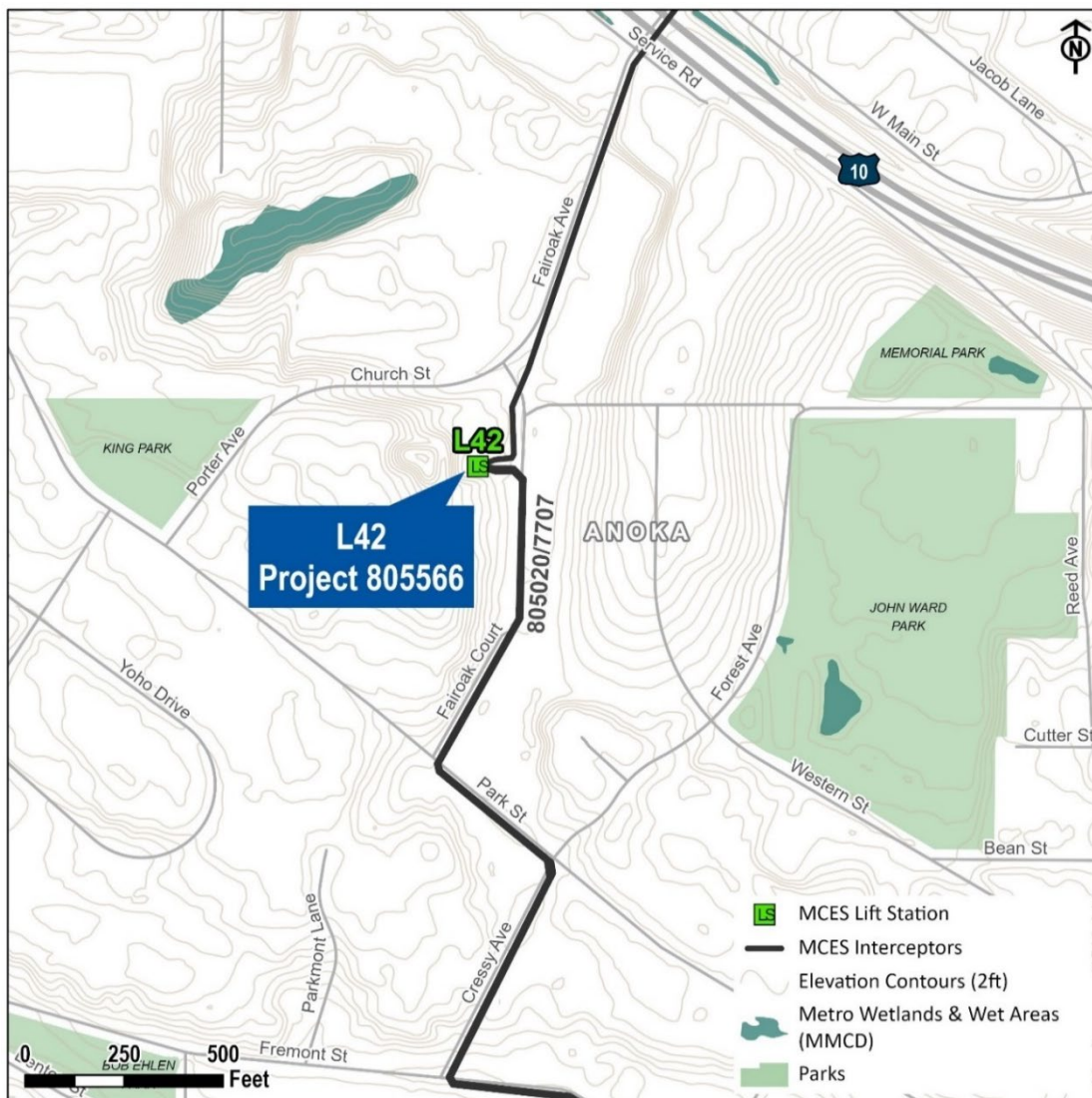
2023 Cash Flow \$200,000	Current ACP \$200,000	2023 – 2028 Cash Flow \$1,200,000	Total Project Cost \$2,000,000
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ES: #14 Lift Station Electrical Rehabilitation - Site 5 - Lift Station L42

PROJECT MANAGER: John Hemming

CONTACT INFORMATION: 651-602-4517
john.hemming@metc.state.mn.us
3565 Kennebec Dr.
Eagan, MN 55122

EXPECTED GROUND DISTURBANCES: Preliminary design is scheduled to begin July 2023. There is interior and exterior electrical work at the pump station which includes trenching for electrical conduits and placement of concrete slabs for electrical equipment.



ES: #15 L71 System Improvements - Project Summary

Program Family: 8055
Project # 805568

ES: #15 L71 System Improvements

Project Location:

Council District #4

City: Chaska, MN

Location: 600 4th St. E. and eastward into Shakopee



PROJECT TYPE:	Lift Station Improvements
OBJECTIVES:	Asset Preservation
CUSTOMER LEVEL OF SERVICE:	Preserve Assets, Minimize Impacts, and Be a Good Neighbor
SCOPE:	Ongoing investigations of upstream contributions and results of pump testing and odor treatment will be evaluated to determine the scope of work. Preliminary indications are that FOG pre-treatment, forcemain modifications, and odor control will be needed.
PROJECT NEED:	L71 receives high strength wastewater containing significant volumes of fats, oils, and greases (FOGs). The FOGs impact lift station and force main operations. This has resulted in decreased capacity and creates odors.

PROJECT SCHEDULE



Planning

2023 through 2024



Design

2025



Construction

2026 through 2027

FINANCIAL ANALYSIS

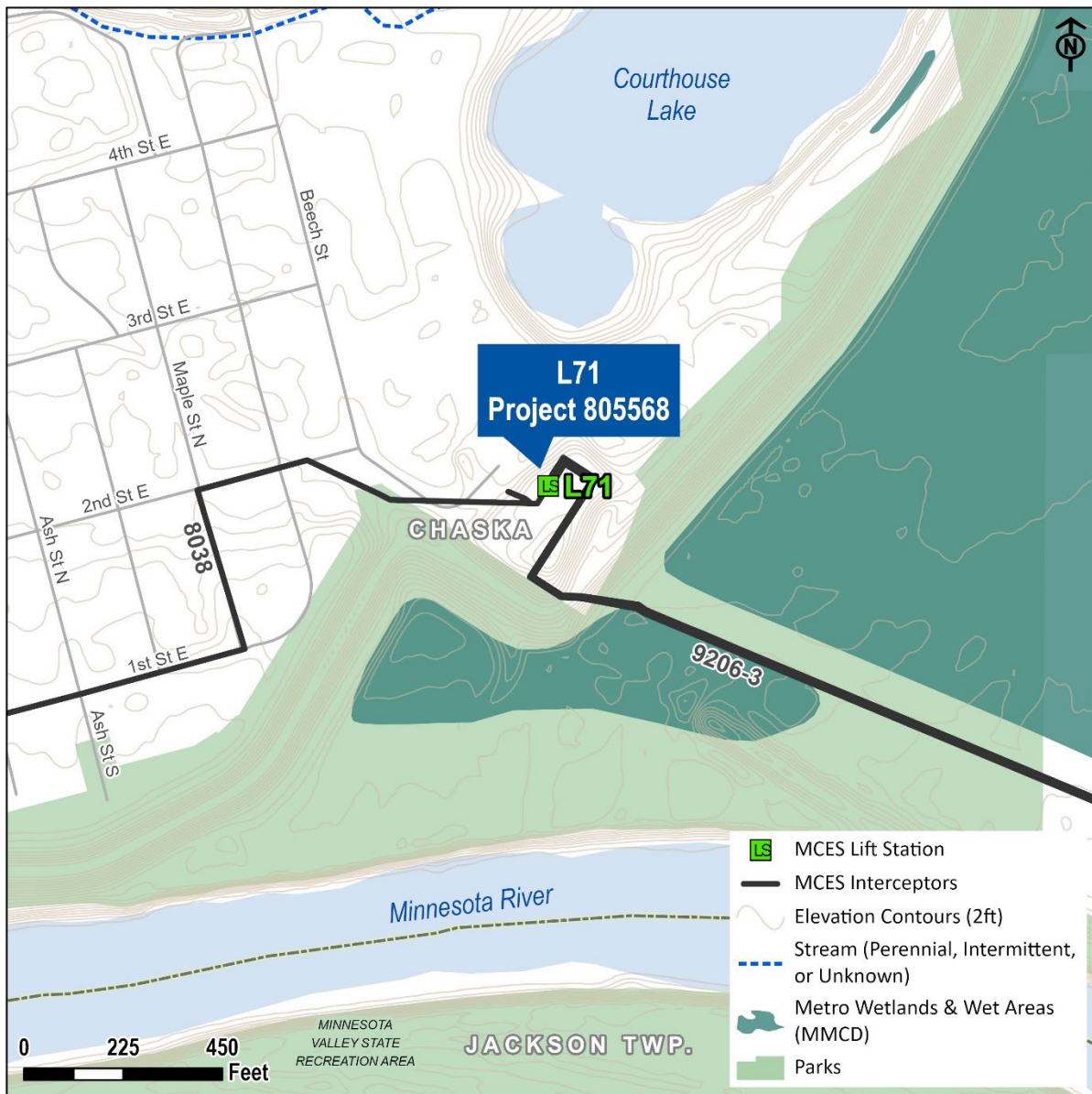
2023 Cash Flow \$300,000	Current ACP \$4,300,000	2023 – 2028 Cash Flow \$4,300,000	Total Project Cost \$4,300,000
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ES: #15 L71 System Improvements

PROJECT MANAGER: Jeff Schwarz

CONTACT INFORMATION: 651-602-1176
jeffrey.schwarz@metc.state.mn.us
390 Robert St. N.
St. Paul, MN 55101

EXPECTED GROUND DISTURBANCES: Excavation areas to be determined during planning.



ES: #16 Anoka-Champlin Force Main Improvements - Project Summary

Program Family: 8055
Project # 8055XX

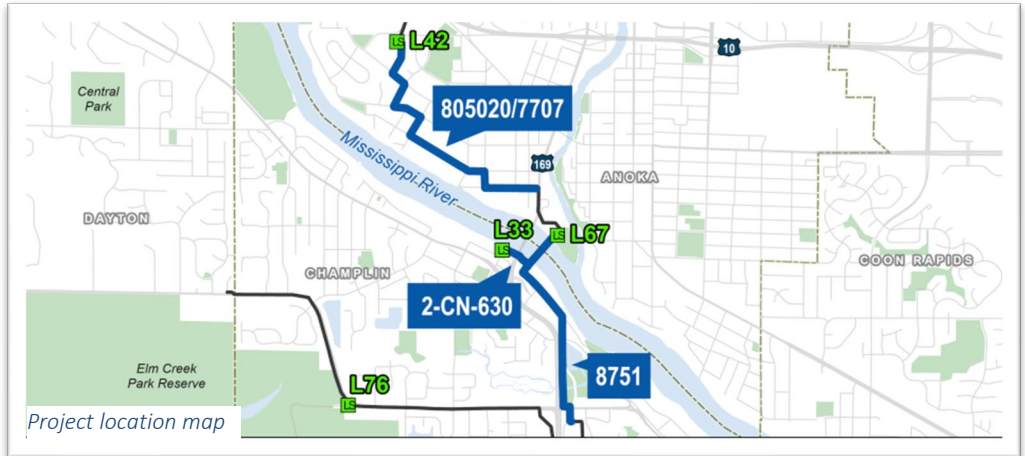
ES: #16 Anoka-Champlin Force Main Improvements

Project Location:

Council District #2 & 9

City: Anoka and Champlin, MN

Location: North and south sides of the Mississippi River at Hwy 169 Bridge



PROJECT TYPE:	Lift Station and Interceptor Improvements
OBJECTIVES:	Asset Preservation and Quality Improvements
CUSTOMER LEVEL OF SERVICE:	Preserve Assets and Minimize Impacts
SCOPE:	Results of pump testing will be evaluated to determine the scope of work. Preliminary indications are that a second force main will be needed.
PROJECT NEED:	L33, L42, and L67 and their respective force mains are interconnected. Force Main 8751, downstream of all three lift stations, is an aging, single 24" barrel. Air release valves on the force main are inoperable and impacting the force main capacity. The force main and air releases cannot be inspected or repaired without major temporary conveyance.

PROJECT SCHEDULE



Planning

2023 through 2024



Design

2025



Construction

2026 through 2027

FINANCIAL ANALYSIS

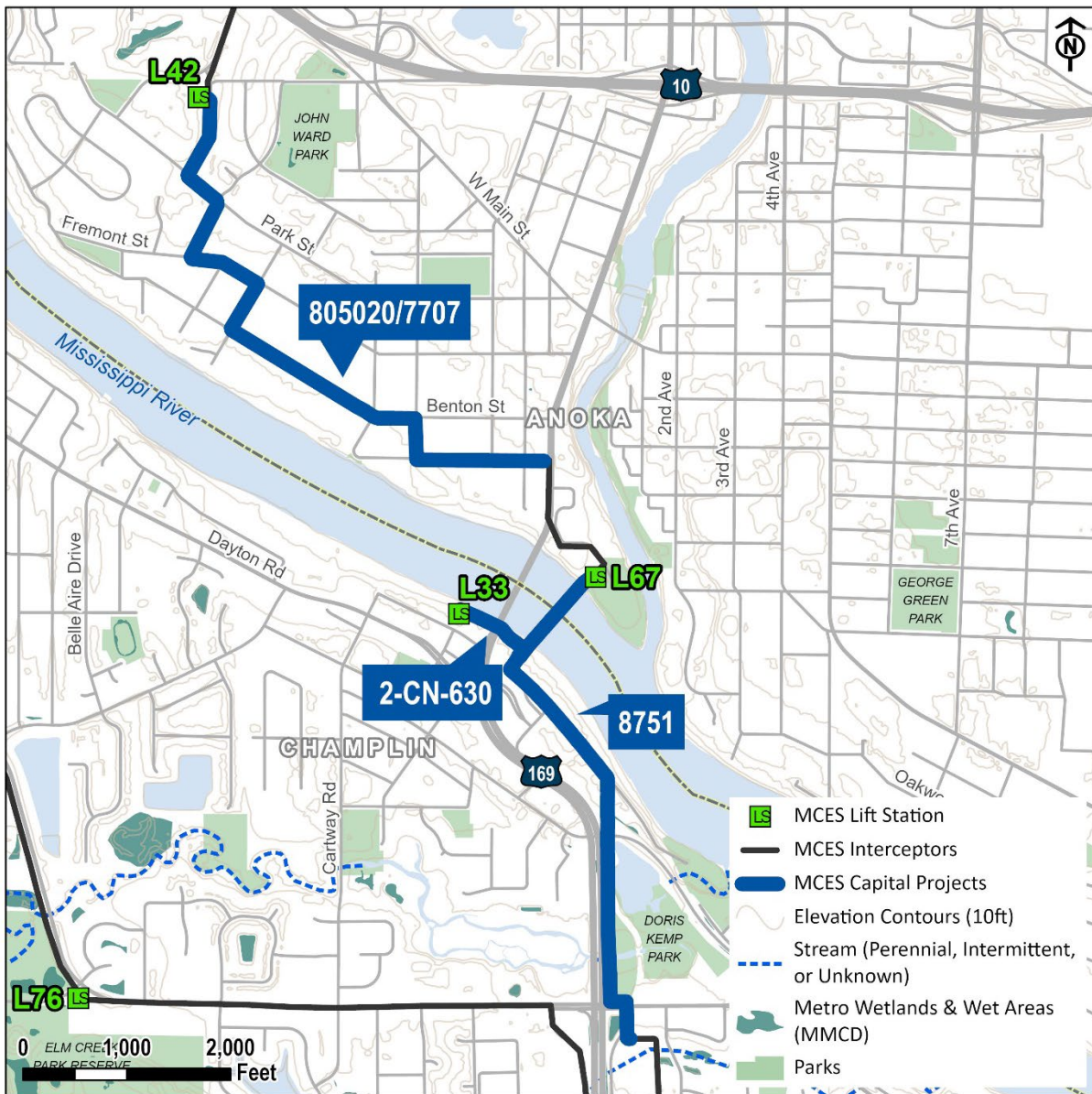
2023 Cash Flow \$300,000	Current ACP \$0	2023 – 2028 Cash Flow \$4,300,000	Total Project Cost \$4,300,000
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ES: #16 Anoka-Champlin Force Main Improvements

PROJECT MANAGER: Paul Herubin

CONTACT INFORMATION: 651-602-4518
paul.herubin@metc.state.mn.us
3565 Kennebec Dr.
Eagan, MN 55122

EXPECTED GROUND DISTURBANCES: To be determined. Anticipating removal of structure covers to install temporary conveyance.



ES: #17 North Area Rehab - Site 1 - Interceptor 7029 - Project Summary

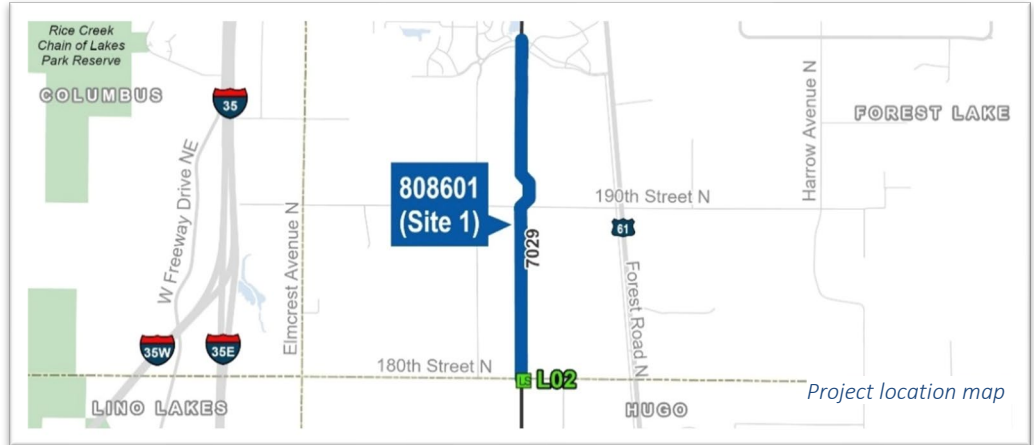
Program Family: 8086
Project # 808601

ES: #17 North Area Rehab - Site 1 - Interceptor 7029

Project Location:

Council District #6

City: Forest Lake, MN



PROJECT TYPE:	Interceptor Improvement
OBJECTIVES:	Asset Preservation
CUSTOMER LEVEL OF SERVICE:	Preserve assets and Minimize Impacts
SCOPE:	Site 1 of the North Area Improvements. This project includes rehabilitation and/or replacement of approximately 8,000 linear feet of interceptor and associated structures.
PROJECT NEED:	Interceptor 7029 was constructed in 1970 to convey flow from the City of Forest Lake. A condition assessment was completed in 2018 of the 36-inch reinforced concrete pipe (RCP). The worst condition was between MH 99 and L 02 where a 1,000-foot segment was identified as condition 4.5 and the remaining 7,000 feet to be condition 4.

PROJECT SCHEDULE



Planning
2023



Design
2023 through 2024



Construction
2024 through 2025

FINANCIAL ANALYSIS

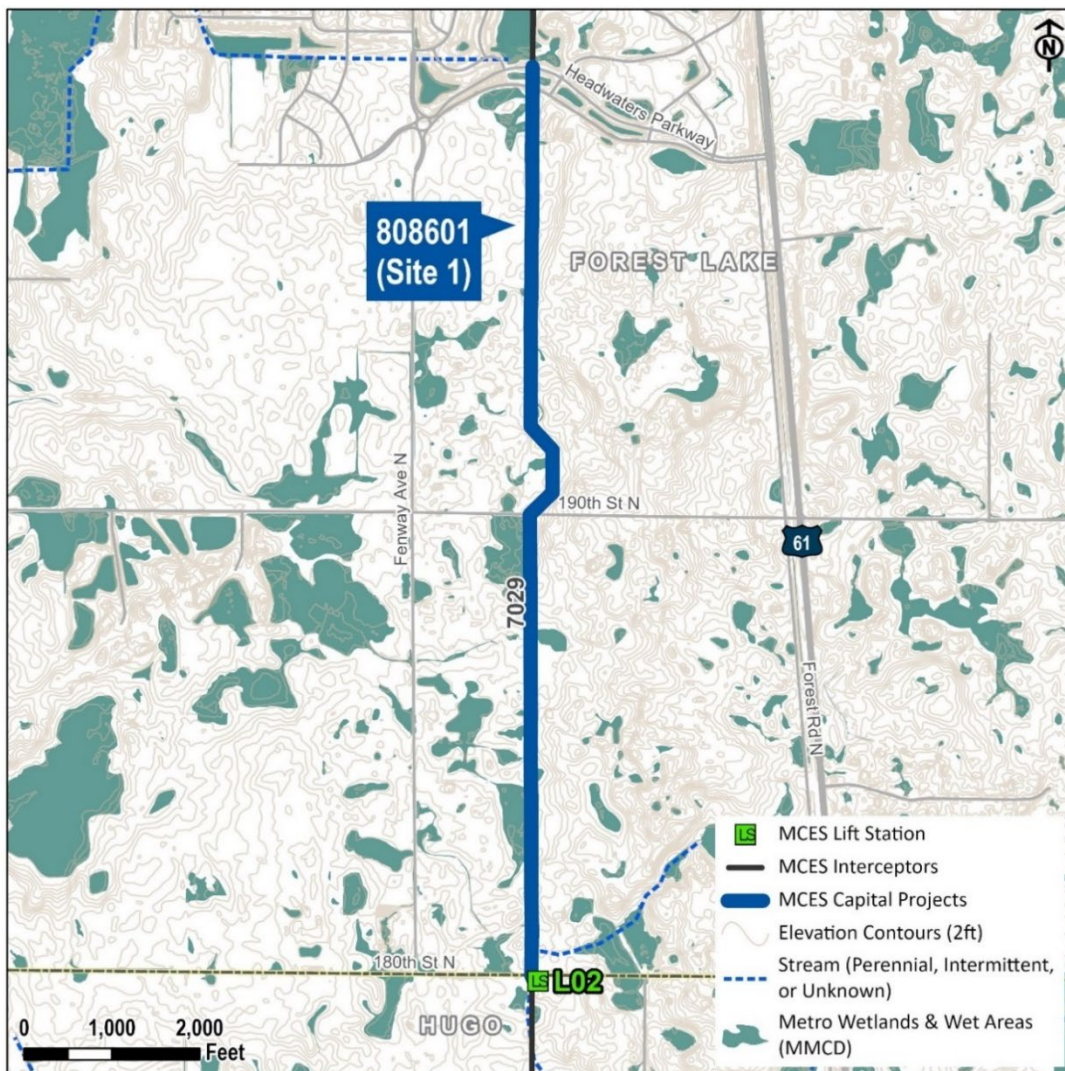
2023 Cash Flow \$135,000	Current ACP \$2,400,000	2023 – 2028 Cash Flow \$5,567,000	Total Project Cost \$5,567,000
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ES: #17 North Area Rehab - Site 1 - Interceptor 7029

PROJECT MANAGER: Paul Herubin

CONTACT INFORMATION: 651-602-4518
paul.herubin@metc.state.mn.us
3565 Kennebec Dr.
Eagan, MN 55122

EXPECTED GROUND DISTURBANCES: Excavation will be necessary for pipe rehabilitation or replacement. Structure rehabilitation to be determined.



ES: #18 North Area Rehab - Site 2 - Interceptor 1-CL-455 - Project Summary

Program Family: 8086
Project # 808601

ES: #18 North Area Rehab - Site 2 - Interceptor 1-CL-455

Project Location:

Council District #6

City: Crystal, MN

**Location:
Interceptor 1-CL-455**



PROJECT TYPE:	Interceptor Improvement
OBJECTIVES:	Asset Preservation
CUSTOMER LEVEL OF SERVICE:	Preserve Assets and Minimize Impacts
SCOPE:	Rehabilitate a section of pipe between Shaft 1 and MH 100
PROJECT NEED:	Condition assessment of pipe shows the pipe in this section as poor condition and a sag in the pipe. There is a severe grease build up from the city pipe coming in and need frequent cleaning.

PROJECT SCHEDULE



FINANCIAL ANALYSIS

2023 Cash Flow \$10,000	Current ACP \$160,000	2023 – 2028 Cash Flow \$371,000	Total Project Cost \$371,000
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ES: #18 North Area Rehab - Site 2 - Interceptor 1-CL-455

PROJECT MANAGER: Jeny Baroda

CONTACT INFORMATION: 651-204-4507
jeny.baroda@metc.state.mn.us
3565 Kennebec Dr.
Eagan, MN 55122

EXPECTED GROUND DISTURBANCES: This project is in preliminary design phase. Construction will consist of either rehabilitation or replacement of the existing pipe and manhole sections. If pipe is replaced, alignment may be shifted and excavation will be required.



ES: #19 North Area Rehab - Site 3 - Interceptor 7015-C – Project Summary

Program Family: 8086
Project # 808601

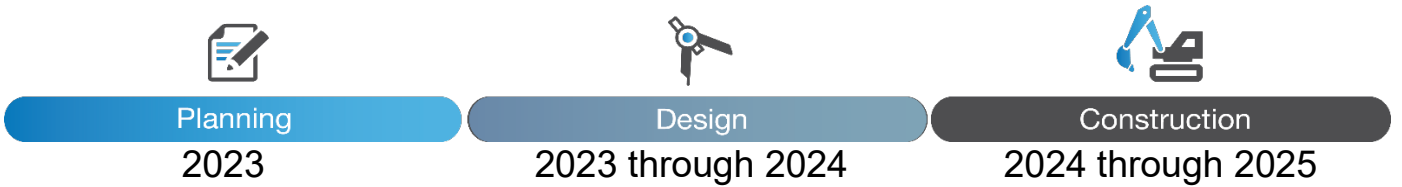
ES: #19 North Area Rehab - Site 3 – Interceptor 7015-C

Project Location:
Council District #6
City: Brooklyn Park, MN
Location: Interceptor 7015-C



PROJECT TYPE:	Interceptor Improvement
OBJECTIVES:	Asset Preservation
CUSTOMER LEVEL OF SERVICE:	Preserve Assets and Minimize Impacts.
SCOPE:	Site 3 of the North Area Improvements. This project includes rehabilitation and/or replacement of approximately 10 feet of interceptor that was not lined during the 2007 rehabilitation project and replacement of two structures. An extensive temporary conveyance system will be needed to repair this section.
PROJECT NEED:	Interceptor 7015-C in Brooklyn Park is a 36-inch reinforced concrete pipe (RCP) constructed in 1970 and lined in 2007. A five to ten linear foot section of pipe was found unlined on the downstream end of Section 124009 near Manhole (MH) 45. Prior to lining, the condition of the pipe was 4.5.

PROJECT SCHEDULE



FINANCIAL ANALYSIS

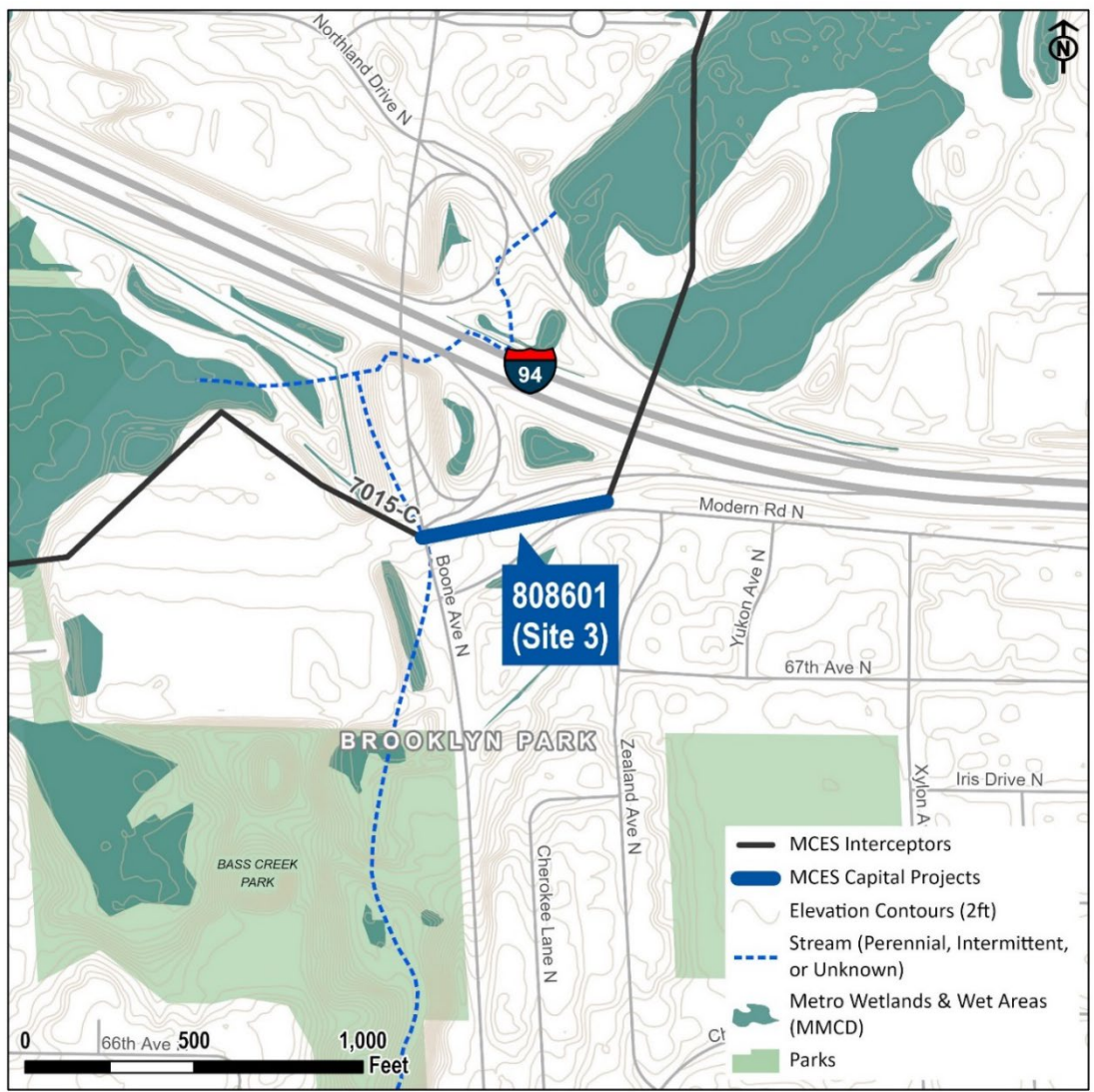
2023 Cash Flow \$50,000	Current ACP \$800,000	2023 – 2028 Cash Flow \$1,856,000	Total Project Cost \$1,856,000
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ES: #19 North Area Rehab - Site 3 - Interceptor 7015-C

PROJECT MANAGER: Project Manager to be determined

CONTACT INFORMATION: 3565 Kennebec Dr.
Eagan, MN 55122

EXPECTED GROUND DISTURBANCES: To be determined. This project has not been yet assigned but there will be several excavations for structure replacement and temporary conveyance.



ES: #20 North Area Rehab - Site 5 - Interceptor 9004-1 - Project Summary

Program Family: 8086
Project # 808601

ES: #20 North Area Rehab - Site 5 - Interceptor 9004-1

Project Location:
Council District #1
City: Maple Grove, MN



PROJECT TYPE:	Interceptor Improvement
OBJECTIVES:	Asset Preservation
CUSTOMER LEVEL OF SERVICE:	Preserve Assets and Minimize Impacts
SCOPE:	Rehabilitate 410 feet of severely corroded 48-inch RCP.
PROJECT NEED:	Condition assessment of the Interceptor has identified it as severely corroded. Rehabilitation of the interceptor is needed to prevent further deterioration and potential failure.

PROJECT SCHEDULE



Planning
2023



Design
2023 through 2024



Construction
2024 through 2025

FINANCIAL ANALYSIS

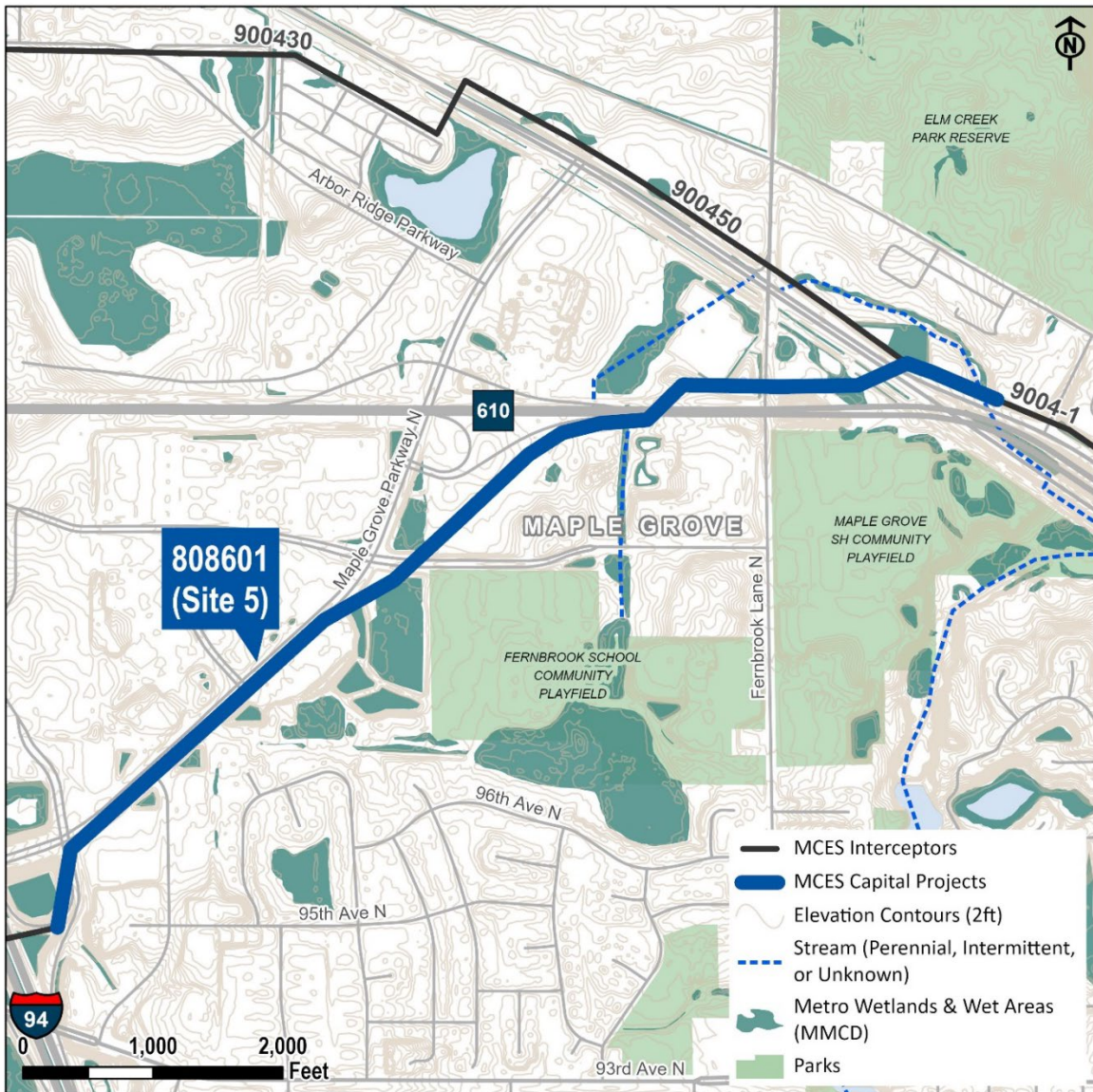
2023 Cash Flow \$35,000	Current ACP \$600,000	2023 – 2028 Cash Flow \$1,392,000	Total Project Cost \$1,392,000
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ES: #20 North Area Rehab - Site 5 - Interceptor 9004-1

PROJECT MANAGER: Ryan Piner

CONTACT INFORMATION: 651-602-4514
ryan.piner@metc.state.mn.us
3565 Kennebec Dr.
Eagan, MN 55122

EXPECTED GROUND DISTURBANCES: Small excavations 12x12 for lining, structure excavations to be determined.



ES: #21 North Area Rehab - Site 6 - Interceptor 900415 - Project Summary

Program Family: 8086
Project # 808601

ES: #21 North Area Rehab - Site 6 - Interceptor 900415

Project Location:

Council District #1

City: Maple Grove,
MN



PROJECT TYPE:	Interceptor Improvement
OBJECTIVES:	Asset Preservation
CUSTOMER LEVEL OF SERVICE:	Preserve Assets and Minimize Impacts
SCOPE:	Rehabilitate 18 Manholes on Interceptor 900415.
PROJECT NEED:	Routine inspection of the Interceptor identified several manholes that were in poor condition. The interceptor was previously rehabilitated and is in good condition. If not addressed, further deterioration will result in failure.

PROJECT SCHEDULE



Planning
2023



Design
2023 through 2024



Construction
2024 through 2025

FINANCIAL ANALYSIS

2023 Cash Flow \$10,000	Current ACP \$160,000	2023 – 2028 Cash Flow \$360,330	Total Project Cost \$360,330
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ES: #21 North Area Rehab - Site 6 - Interceptor 900415

PROJECT MANAGER: Ryan Piner

CONTACT INFORMATION: 651-602-4514
ryan.piner@metc.state.mn.us
3565 Kennebec Dr.
Eagan, MN 55122

EXPECTED GROUND DISTURBANCES: Small excavations 12x12 for lining, structure excavations to be determined.



ES: #22 Fridley Liquid Waste Receiving Improvements - Project Summary

Program Family: 8086
Project # 808607

ES: #22 Fridley Liquid Waste Receiving Improvements

Project Location:

Council District #2

City: Fridley, MN

**Location:
8296 Hickory St. NE**



Fridley Liquid Waste Receiving Facility

PROJECT TYPE:	Interceptor Improvements
OBJECTIVES:	Asset Preservation and Quality Improvements
CUSTOMER LEVEL OF SERVICE:	Preserve Assets, Minimize Impacts, and Collaborate with Others
SCOPE:	The loadout bay discharge pipe elevation needs to be lowered to allow customers to hookup more efficiently, provide larger rock traps and replacement or recalibration of existing flow meters. Access improvements are necessary to allow large tanker trucks into the bay. The maintenance structure that is used to dump during outages needs to be upgraded to include a grit chamber.
PROJECT NEED:	There are several deficiencies and issues with the receiving, process, and treatment at the Fridley Liquid Waste Receiving Facility. Several upgrades are necessary for this to be successfully used as a regional liquid waste receiving and maintenance facility.

PROJECT SCHEDULE



Planning

2022 through 2023



Design

2023 through 2024



Construction

2024 through 2025

FINANCIAL ANALYSIS

2023 Cash Flow \$150,000	Current ACP \$2,600,000	2023 – 2028 Cash Flow \$2,600,000	Total Project Cost \$2,600,000
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ES: #22 Fridley Liquid Waste Receiving Improvements

PROJECT MANAGER:

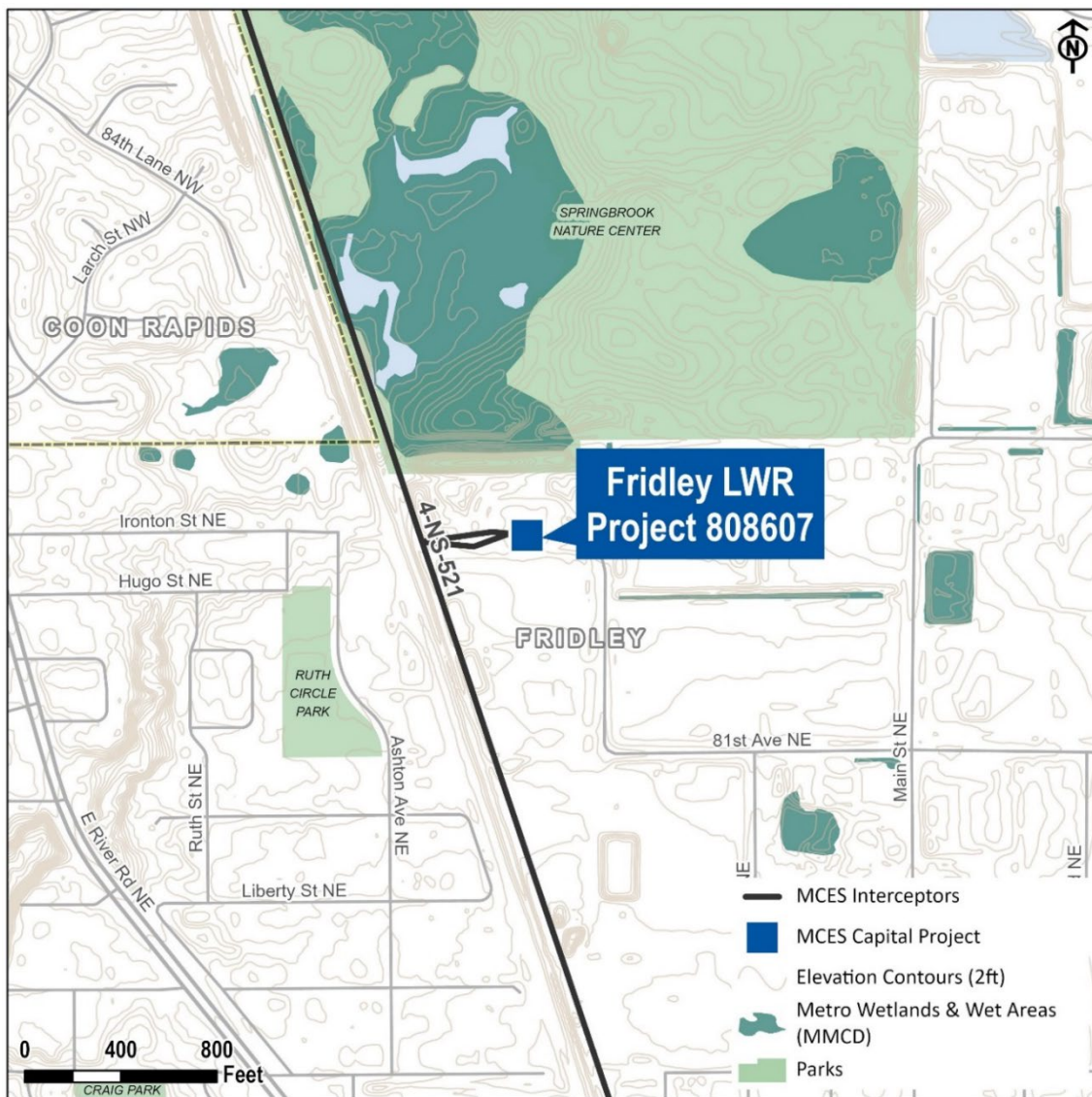
Robert Johnson

**CONTACT
INFORMATION:**

651-602-4505
robert.johnson@metc.state.mn.us
3565 Kennebec Dr.
Eagan, MN 55122

**EXPECTED GROUND
DISTURBANCES:**

This project is in preliminary design. Project will consist of replacing equipment within the existing building and excavation to install equipment in parking lot area.

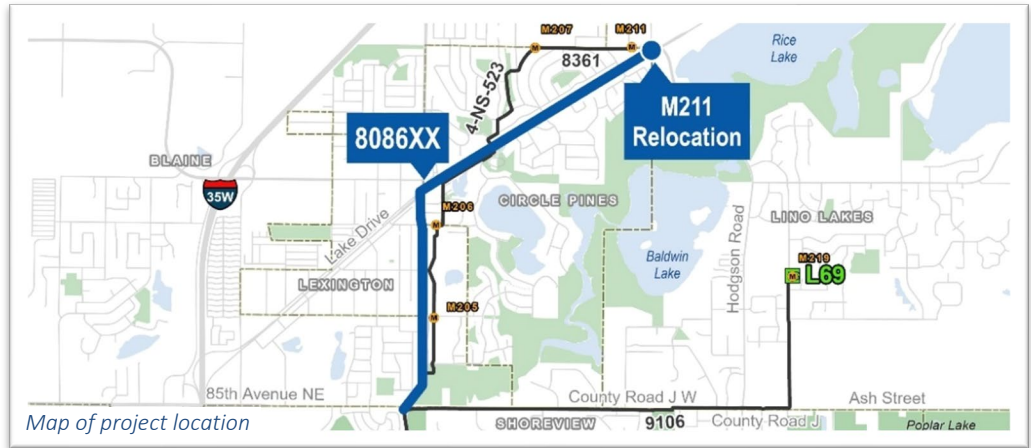


ES: #23 Blaine Relief Interceptor - Project Summary

Program Family: 8086
Project # 8086XX

ES: #23 Blaine Relief Interceptor

Project Location:
Council District #11
City: Circle Pines, MN
Location: Lexington Ave. and Lake Drive



PROJECT TYPE:	Interceptor Improvement
OBJECTIVES:	System Expansion
CUSTOMER LEVEL OF SERVICE:	Meet capacity needs
SCOPE:	Construction of a new 14,000+ feet, 36-inch (approximate) interceptor in Circle Pines along Lexington Avenue between County Road J, north to Lake Drive then east, along Lake Drive to approximately the Lino Lakes corporate border. Project would include the relocation of M211 to allow for the measurement of flow from the western portion of Lino Lakes.
PROJECT NEED:	The project need was first identified in 2005 to accommodate projected growth in western Lino Lakes. Existing capacity within interceptor 4-NS-523 was insufficient to accommodate the expected increase in flow generated by the growth. An engineering report was completed in 2006 which recommended the above referenced project out of four identified alternatives. In response to the economic downturn in 2007-08 Lino Lakes revised its growth forecasts that no longer reflected the need for additional capacity. The project was then placed on hold. The city in its 2018 Comprehensive Sewer Plan added growth within its western area that once again reflects the need for additional wastewater conveyance capacity. The Council committed to having the additional capacity available for the city by the end of 2030.

PROJECT SCHEDULE



Planning
2023



Design
2024 through 2027



Construction
2028 through 2030

FINANCIAL ANALYSIS

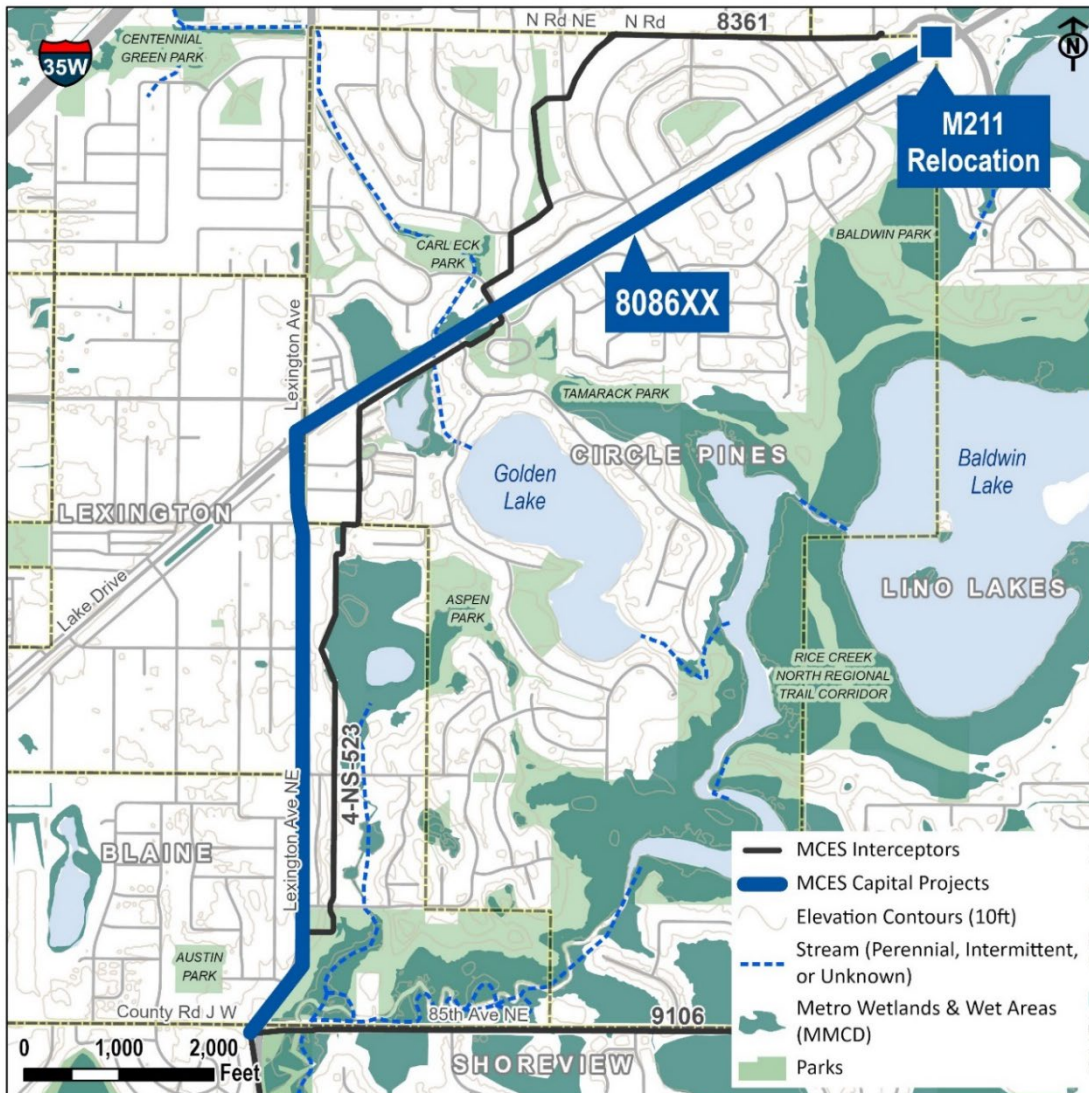
2023 Cash Flow \$50,000	Current ACP \$600,000	2023 – 2028 Cash Flow \$600,000	Total Project Cost \$16,850,000
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ES: #23 Blaine Relief Interceptor

PROJECT MANAGER: Paul Herubin

CONTACT INFORMATION: 651-602-4518
paul.herubin@metc.state.mn.us
3565 Kennebec Dr.
Eagan, MN 55122

EXPECTED GROUND DISTURBANCES: Disturbance will be open-cut excavation for the full length of the new interceptor within existing ROWs. Full scope to be determined.



ES: #24 Coon Rapids Interceptor 4-NS-525 Rehabilitation Phase 2 - Project Summary

Program Family: 8086
Project # 8086XX

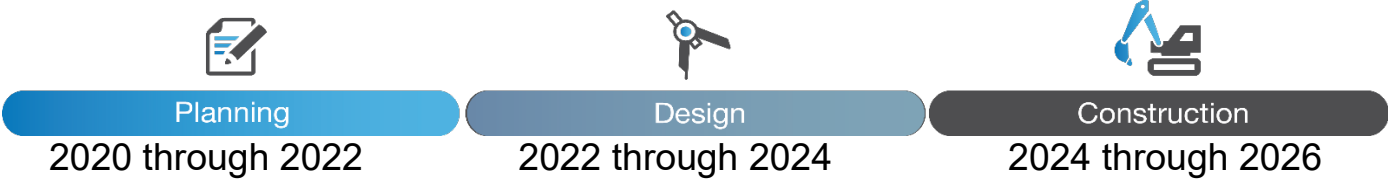
ES: #Coon Rapids Interceptor 4-NS-525 Rehabilitation

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



PROJECT TYPE:	Interceptor Improvements
OBJECTIVES:	Asset Preservation
CUSTOMER LEVEL OF SERVICE:	Preserve Assets, Minimize Impacts, and Coordinate with Others
SCOPE:	This project is the second of a two-phase interceptor rehabilitation project. 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. 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.
PROJECT NEED:	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

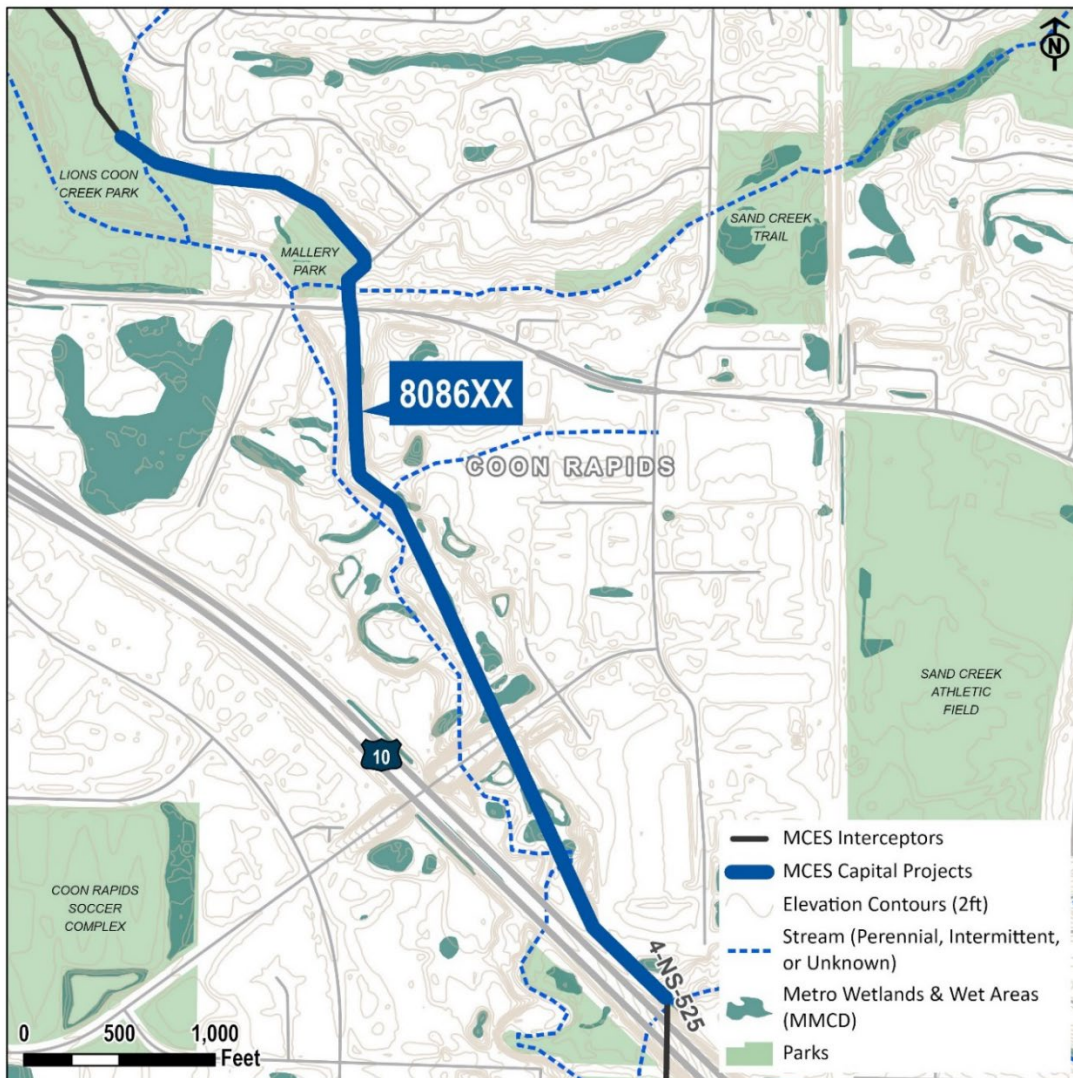
2023 Cash Flow \$10,000	Current ACP \$20,000	2023 – 2028 Cash Flow \$10,000	Total Project Cost \$20,000
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ES: #24 Coon Rapids Interceptor 4-NS-525 Rehabilitation Phase 2

PROJECT MANAGER: Dan Chouinard

CONTACT INFORMATION: 651-602-4564
daniel.chouinard@metc.state.mn.us
3565 Kennebec Dr.
Eagan, MN 55122

EXPECTED GROUND DISTURBANCES: This project is in preliminary stages. Expected excavations include one deep pumping pit that's about 60' x 30' and shallow excavations around existing manholes for manhole improvements.

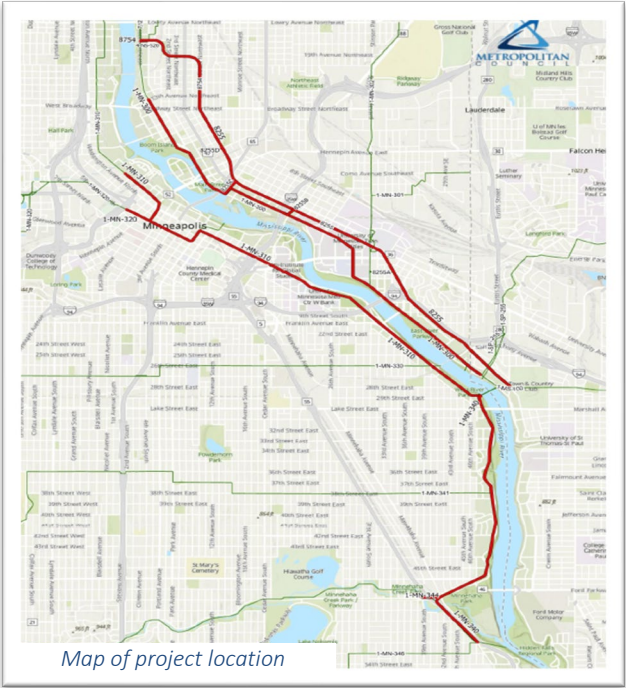


ES: #25 Minneapolis Sandstone Tunnel Evaluation Program - Project Summary

Program Family: 8092
Project # 809210

ES: #25 Minneapolis Sandstone Tunnel Evaluation Program

Project Location:
Council District #5, 7, and 8
City: Minneapolis, MN
Location: Generally Paralleling the Mississippi River



PROJECT TYPE:	Condition Assessment
OBJECTIVES:	Asset Preservation
CUSTOMER LEVEL OF SERVICE:	Preserve Assets and Minimize Impacts
SCOPE:	Complete cave inspections on 1-MN-310 and 1-MN-340 and prepare inspection plans for 2024.
PROJECT NEED:	There is a risk of sandstone eroding over time from over the top of constructed tunnels through natural ground behavior. Condition assessments are needed to minimize the potential for pipe failure.

PROJECT SCHEDULE



FINANCIAL ANALYSIS

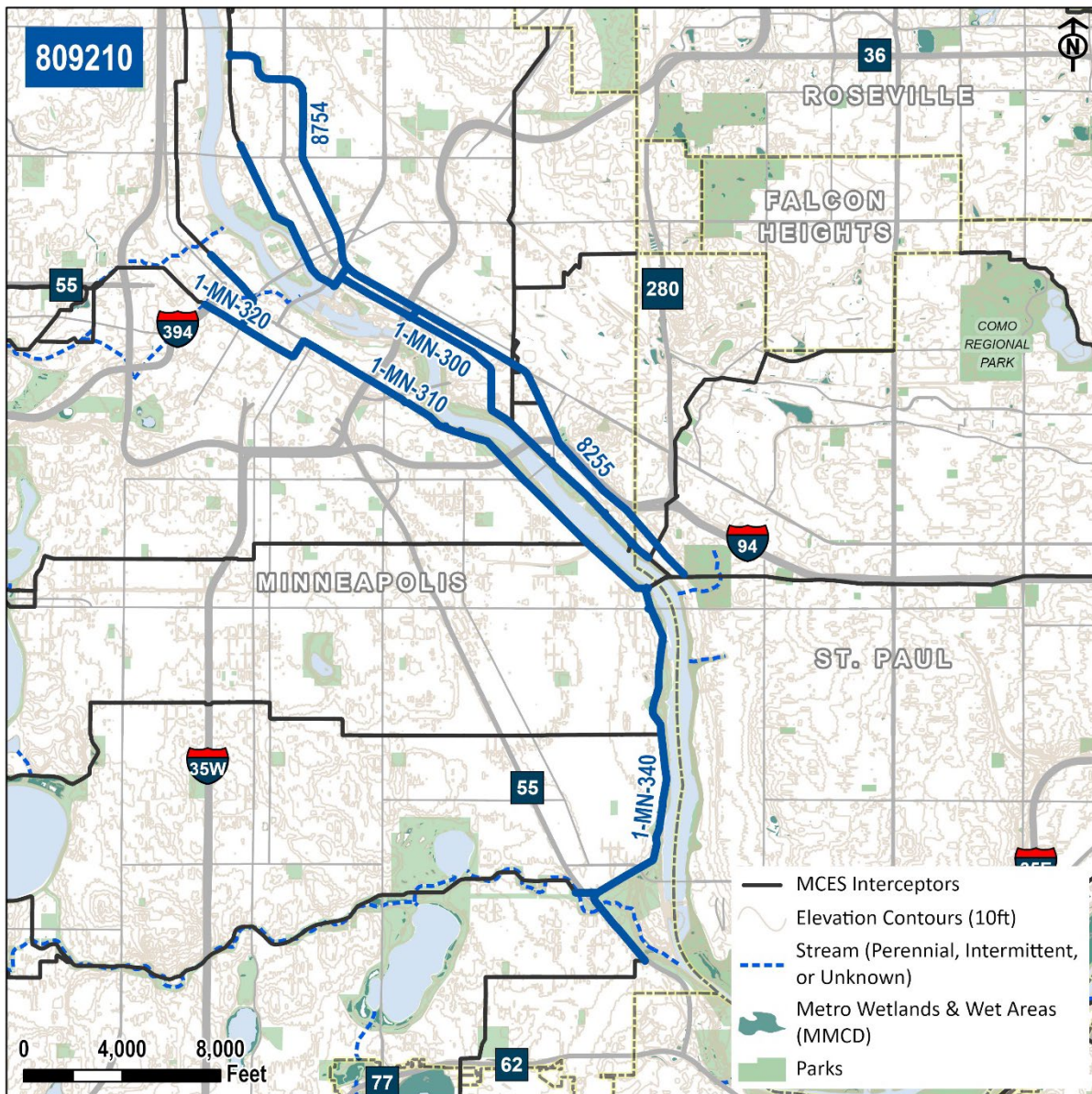
2023 Cash Flow \$1,000,000	Current ACP \$3,217,000	2023 – 2028 Cash Flow \$6,000,000	Total Project Cost \$6,217,000
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ES: #25 Minneapolis Sandstone Tunnel Evaluation Program

PROJECT MANAGER: Jeff Schwarz

CONTACT INFORMATION: 651-602-1176
jeffrey.schwarz@metc.state.mn.us
390 Robert St. N.
St. Paul, MN 55101

EXPECTED GROUND DISTURBANCES: No excavations anticipated



ES: #26 1-MN-346 Rehabilitation - Phase 1 - Project Summary

Program Family: 8092
Project # 809214

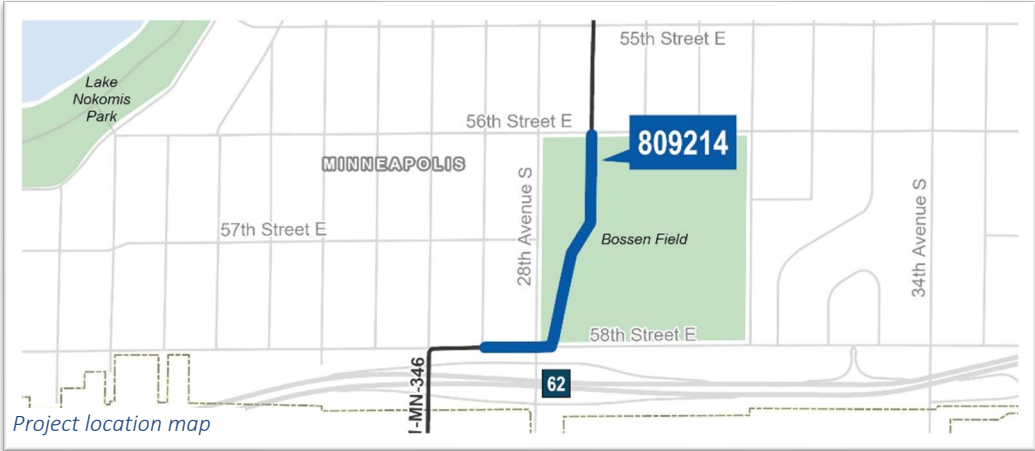
ES: #26 1-MN-346 Rehabilitation - Phase 1

Project Location:

Council District #5 and 8

City: Minneapolis and Richfield, MN

Location: The north side of the airport to the north side of Bossen Field



PROJECT TYPE:	Interceptor Improvement
OBJECTIVES:	Asset Preservation
CUSTOMER LEVEL OF SERVICE:	Preserve Assets and Minimize Impacts
SCOPE:	Rehabilitate the existing Condition 5 pipe between Bossen Field and 53 rd St E or replace it.
PROJECT NEED:	Methane gases are likely entering Interceptor 1-MN-346 through surrounding fill materials. High methane concentrations have been found at structures along Bossen Field park and upstream to Meter M130. The interceptor was identified as being in poor condition in previous assessment. Lining the interceptor will preserve the pipe and minimize gasses from entering the sewer potentially causing hazardous conditions.

PROJECT SCHEDULE



FINANCIAL ANALYSIS

2023 Cash Flow \$120,000	Current ACP \$3,820,000	2023 – 2028 Cash Flow \$3,620,000	Total Project Cost \$3,820,000
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ES: #26 1-MN-346 Improvements - Phase 1

PROJECT MANAGER: Tiffany Troudt

CONTACT INFORMATION: 651-602-4308
tiffany.troudt@metc.state.mn.us
3565 Kennebec Dr.
Eagan, MN 55122

EXPECTED GROUND DISTURBANCES: Seven shallow excavations 12x12, 2 medium excavations 20x20 for access to pipe and structure rehabilitation.

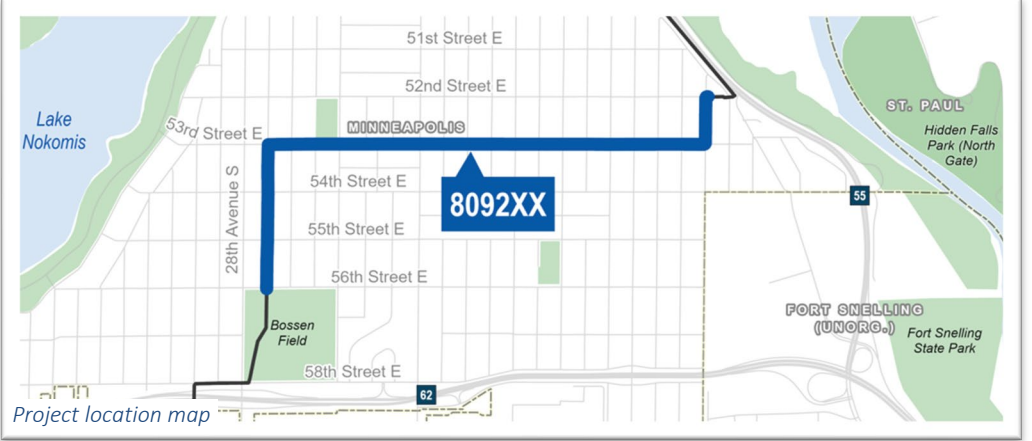


ES: #27 - 1-MN-346 Rehabilitation - Phase 2 - Project Summary

Program Family: 8092
Project # 8092XX

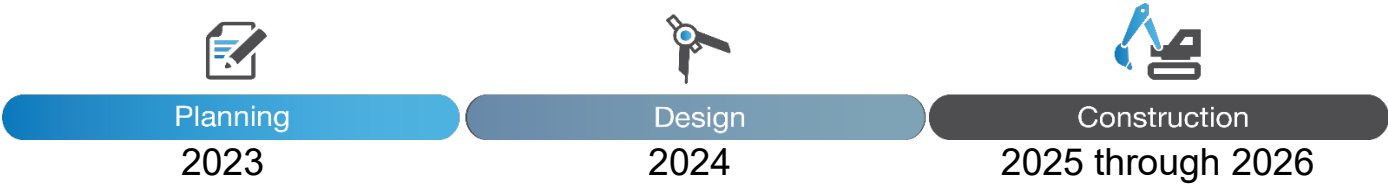
ES: #27 1-MN-346 Rehabilitation - Phase 2

Project Location:
Council District #5 & 8
City: Minneapolis and Richfield, MN



PROJECT TYPE:	Interceptor Improvement
OBJECTIVES:	Asset Preservation and System Expansion
CUSTOMER LEVEL OF SERVICE:	Preserve Assets, Minimize Impacts, Meet Capacity Needs, Communicate Information
SCOPE:	A study is underway to determine whether a new interceptor pipe should replace the existing 1-MN-346 interceptor or divert flow through a parallel pipe to increase capacity and reduce maintenance.
PROJECT NEED:	Hydraulic modeling conducted by MCES in partnership with Edina indicate future capacity issues. A sag between 54 th and 56 th Streets along 1-MN-346 has been problematic for maintenance with grease buildup and limits the capacity of the pipe.

PROJECT SCHEDULE



FINANCIAL ANALYSIS

2023 Cash Flow \$120,000	Current ACP \$3,820,000	2023 – 2028 Cash Flow \$3,620,000	Total Project Cost \$3,820,000
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ES: #27 1-MN-346 Improvements - Phase 2

PROJECT MANAGER: Jeff Schwarz

CONTACT INFORMATION: 651-602-1176
jeffrey.schwarz@metc.state.mn.us
390 Robert St. N.
St. Paul, MN 55101

EXPECTED GROUND DISTURBANCES: To be determined.

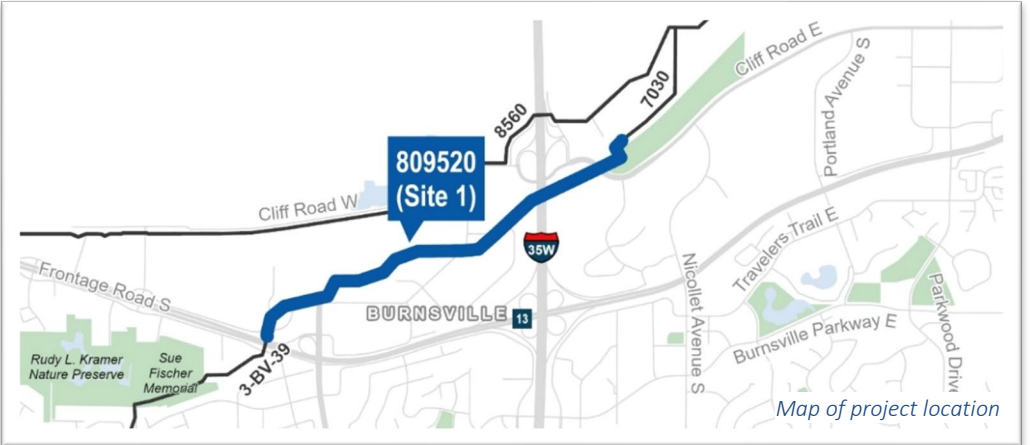


ES: #28 South Area Rehabilitation - Site 1 - Interceptor 3-BV-39 - Project Summary

Program Family: 8095
Project # 809520

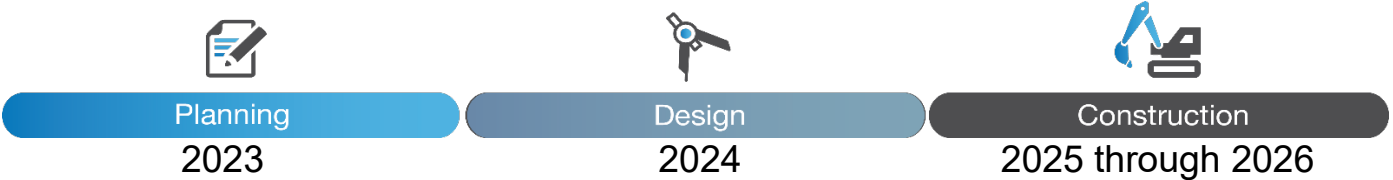
ES: #28 South Area Rehabilitation - Site 1 - Interceptor 3-BV-39

Project Location:
Council District #15
City: Burnsville, MN



PROJECT TYPE:	Interceptor Improvement
OBJECTIVES:	Asset Preservation
CUSTOMER LEVEL OF SERVICE:	Preserve Assets and Minimize Impacts
SCOPE:	Rehabilitation of 8,560 linear feet of interceptor pipe and 30 maintenance structures.
PROJECT NEED:	Routine gravity interceptor CCTV inspections have identified four interceptor sites in the South Interceptor Service Area that have that have failed pipes or pipes that will likely fail in the next 5 years. The facilities are in need of rehabilitation.

PROJECT SCHEDULE



FINANCIAL ANALYSIS

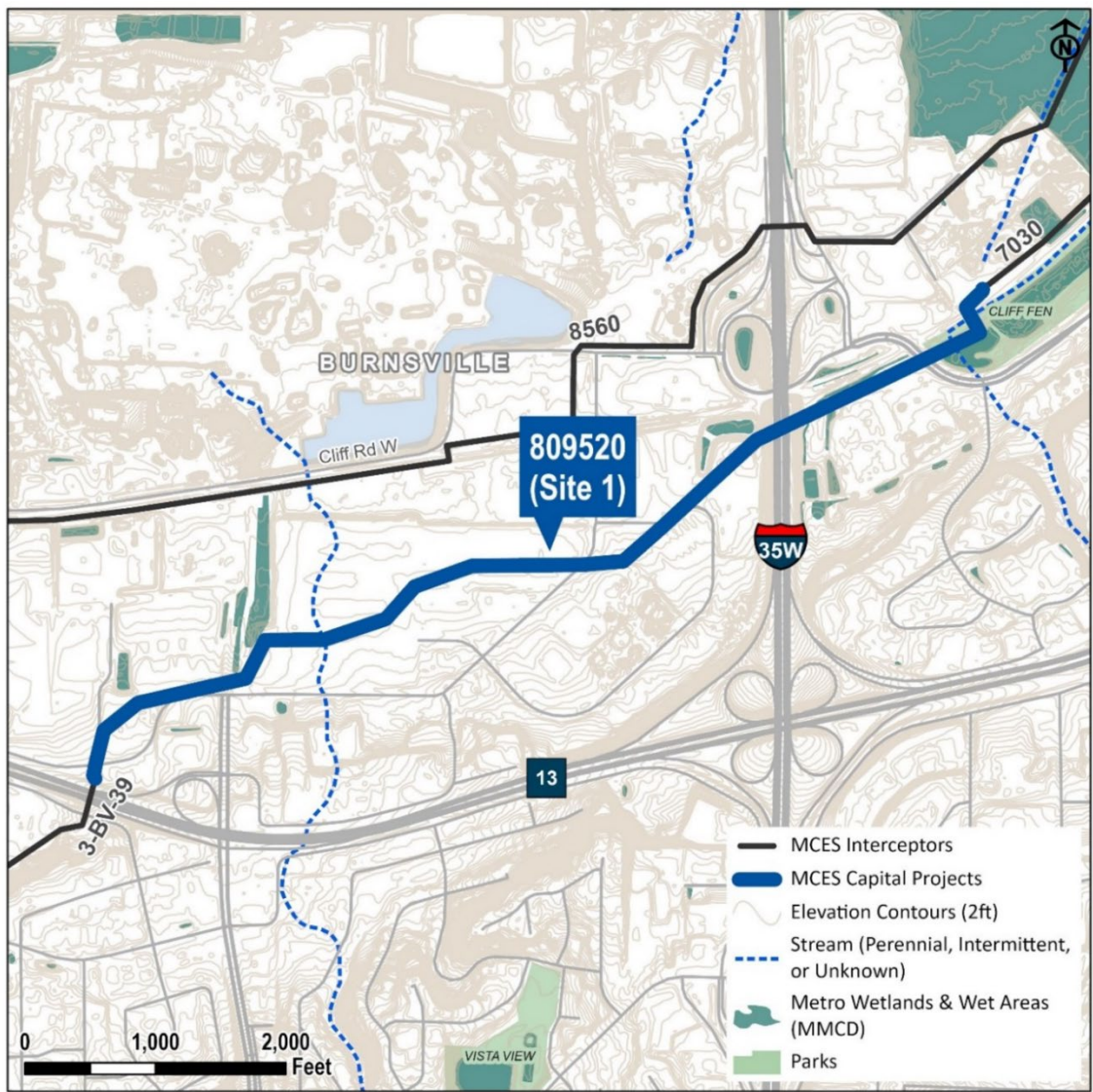
2023 Cash Flow \$600,000	Current ACP \$0	2023 – 2028 Cash Flow \$14,400,000	Total Project Cost \$14,600,000
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South Area Rehab - Site 1 - Interceptor 3-BV-39

PROJECT MANAGER: Dan Chouinard

CONTACT INFORMATION: 651-602-4564
daniel.chouinard@metc.state.mn.us
3565 Kennebec Dr.
Eagan, MN 55122

EXPECTED GROUND DISTURBANCES: This project is in preliminary stages. Construction will consist of sewer line and manhole rehabilitation or replacement.



ES: #29 South Area Rehab - Site 2 & 3 - Interceptor 3-BV-35 - Project Summary

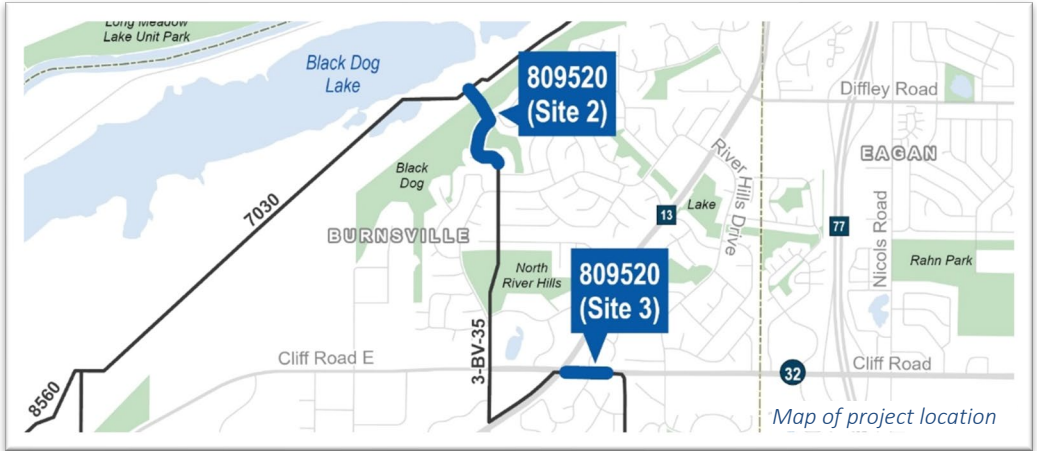
Program Family: 8095
Project # 809520

ES: #29 South Area Rehab - Site 2 & 3 - Interceptor 3-BV-35

Project Location:
3-BV-35

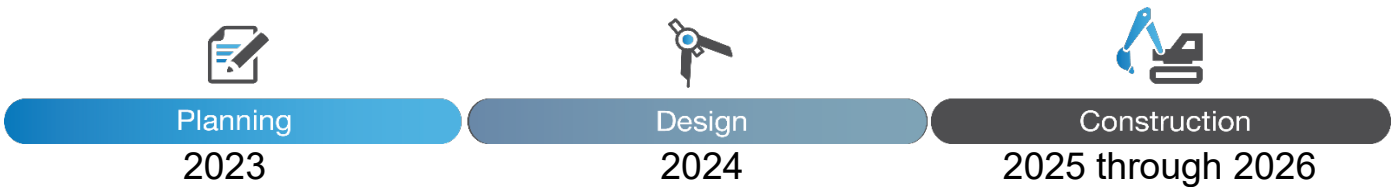
Council District #15

Cities: Burnsville, MN



PROJECT TYPE:	Interceptor Improvement
OBJECTIVES:	Asset Preservation
CUSTOMER LEVEL OF SERVICE:	Preserve Assets and Minimize Impacts
SCOPE:	Site 2 and 3 of the South Area Improvements. This project includes rehabilitation of 2,740 linear feet of interceptor pipe and associated maintenance structures as needed.
PROJECT NEED:	Interceptors 3-BV-35 was constructed in 1964. CCTV inspection showed two segments to be conditions 4 and 5 and in need of rehabilitation or replacement. The upstream segment from MH 172 to MH 170 includes approximately 800 feet of 18-inch reinforced concrete pipe (RCP). The downstream segment between MH 85 and the 7030 discharge includes 1,200 feet of 12-inch vitreous clay pipe (VCP) and 740 feet of 18-inch VCP.

PROJECT SCHEDULE



FINANCIAL ANALYSIS

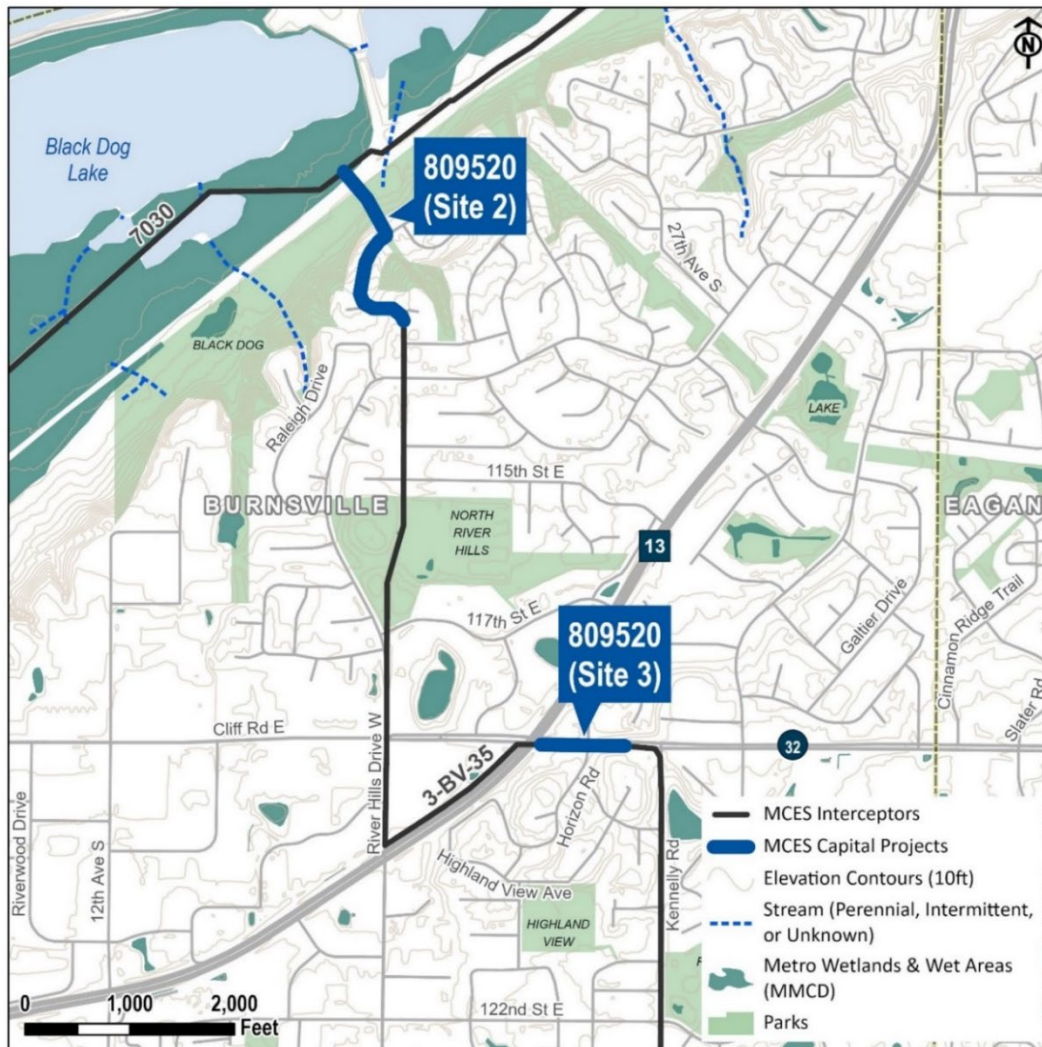
2023 Cash Flow \$200,000	Current ACP \$0	2023 – 2028 Cash Flow \$4,200,000	Total Project Cost \$4,200,000
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ES: #29 South Area Rehab - Site 2 & 3 - Interceptor 3-BV-35

PROJECT MANAGER: Paul Herubin

CONTACT INFORMATION: 651-602-4518
paul.herubin@metc.state.mn.us
3565 Kennebec Dr.
Eagan, MN 55122

EXPECTED GROUND DISTURBANCES: Site 2: Three small excavations 12x12 for lining, structure excavations to be determined.
Site 3: Two large excavations 20x40 for temporary conveyance, 3 small excavations 12x12 for structure replacement and lining.



ES: #30 South Area Rehabilitation - Site 4 - 7102-2 & 7111A - Project Summary

Program Family: 8095
Project # 809520

ES: #30 South Area Rehab - Site 4 - 7102-2 & 7111A

Project Location:
7102-2 & 7111A

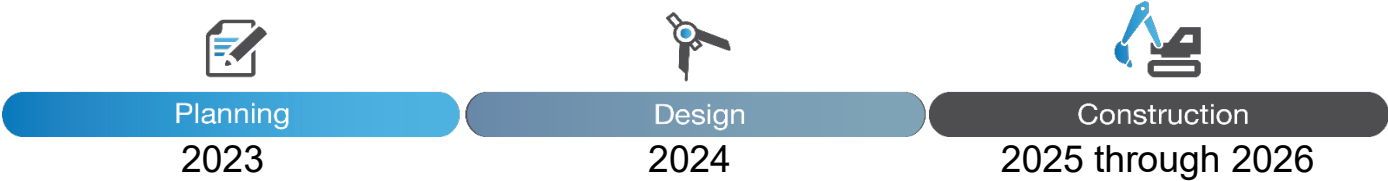
Council District #15

Cities: Inver Grove Heights, MN



PROJECT TYPE:	Interceptor Rehabilitation
OBJECTIVES:	Asset Preservation
CUSTOMER LEVEL OF SERVICE:	Preserve Assets and Minimize Impacts
SCOPE:	Site 4 of the South Area Improvements. This project includes rehabilitation of 555 linear feet of interceptor pipe and associated maintenance structures.
PROJECT NEED:	CCTV inspection showed the segment between the 7102-2 Turning Chamber and 7111A discharge to 7111-1&2 at manhole (MH) 212 to be conditions 4 and 5. The turning structure is in very poor to failing condition as is the tail of the siphon pipes. Other structures associated with these pipes are in poor condition and will need replacement.

PROJECT SCHEDULE



FINANCIAL ANALYSIS

2023 Cash Flow \$150,000	Current ACP \$0	2023 – 2028 Cash Flow \$1,200,000	Total Project Cost \$1,200,000
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ES: #30 South Area Rehab - Site 4 - Interceptors 7102-2 & 7111A

PROJECT MANAGER: Paul Herubin

CONTACT INFORMATION: 651-602-4518
paul.herubin@metc.state.mn.us
3565 Kennebec Dr.
Eagan, MN 55122

EXPECTED GROUND DISTURBANCES: To be determined. This project has not been yet assigned but there will be several excavations for structure replacement and pipe rehabilitation.

