

# Information Item: Proposed 2015-2020 Capital Program and 2015 Capital Budget

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Environment Committee: July 8, 2014



# Topics

- Capital Improvement Program (CIP)
  - 6-Year Plan
- Authorized Capital Program
  - Multi-Year Authorization
- Capital Budget
  - Annual Appropriation

# Capital Program Strategy

- Preserve Infrastructure  
\$6 Billion Asset
- Meet Commitments
- Prepare for the Future

# Capital Program Objectives

- Rehabilitation
  - Preserve
- Growth
  - Expansion
- Quality
  - Improvement

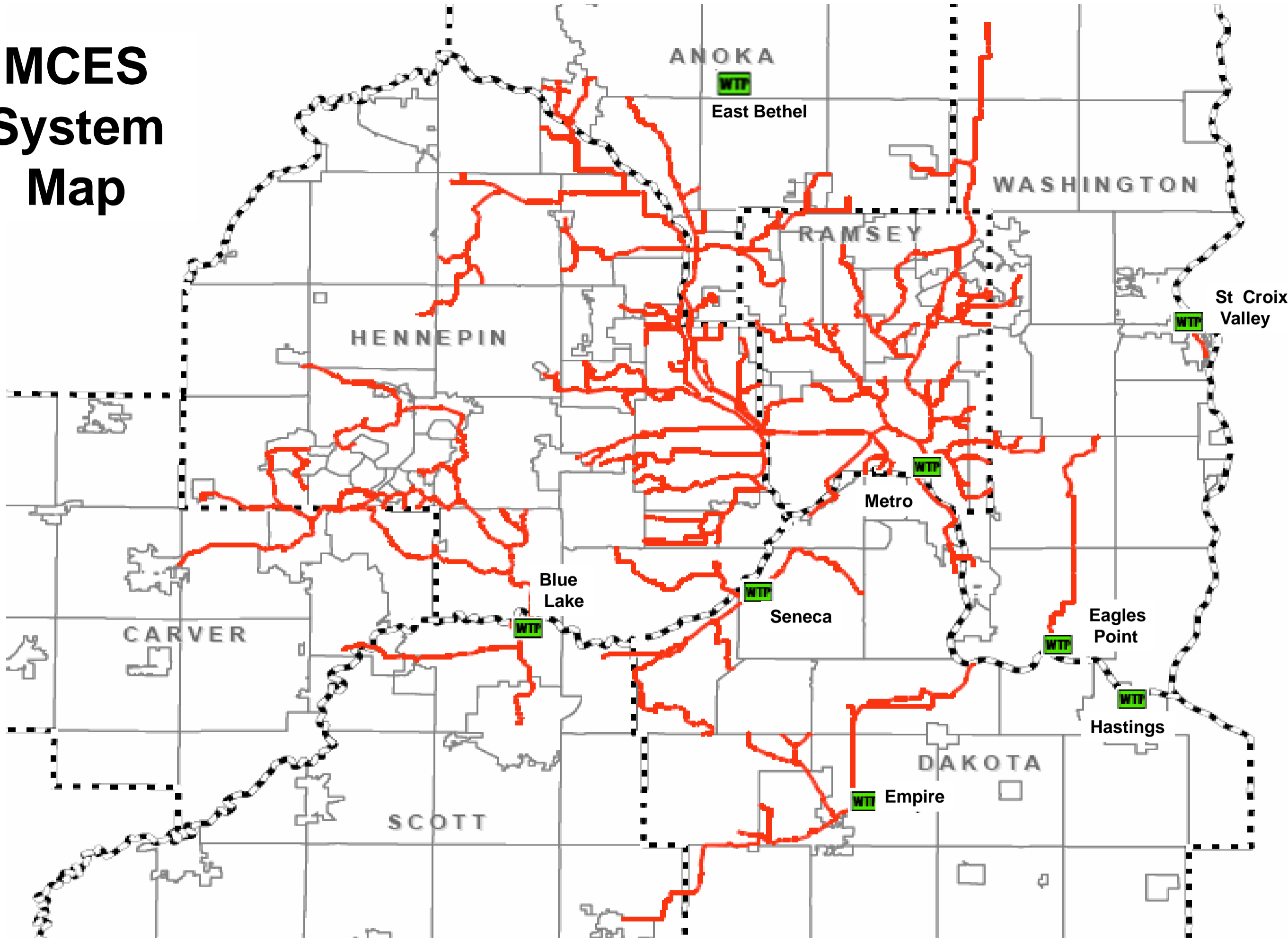
# Capital Program Schedule

Date	Item
July 8	Capital Program and Budget
July 8	Capital Finance Plan
August 27	Adoption of Preliminary Unified Operating and Capital Budget and Levies
October 22	Adoption of Public Comment Draft Budgets
December 10	Adoption of Final 2015 Budgets and Levies

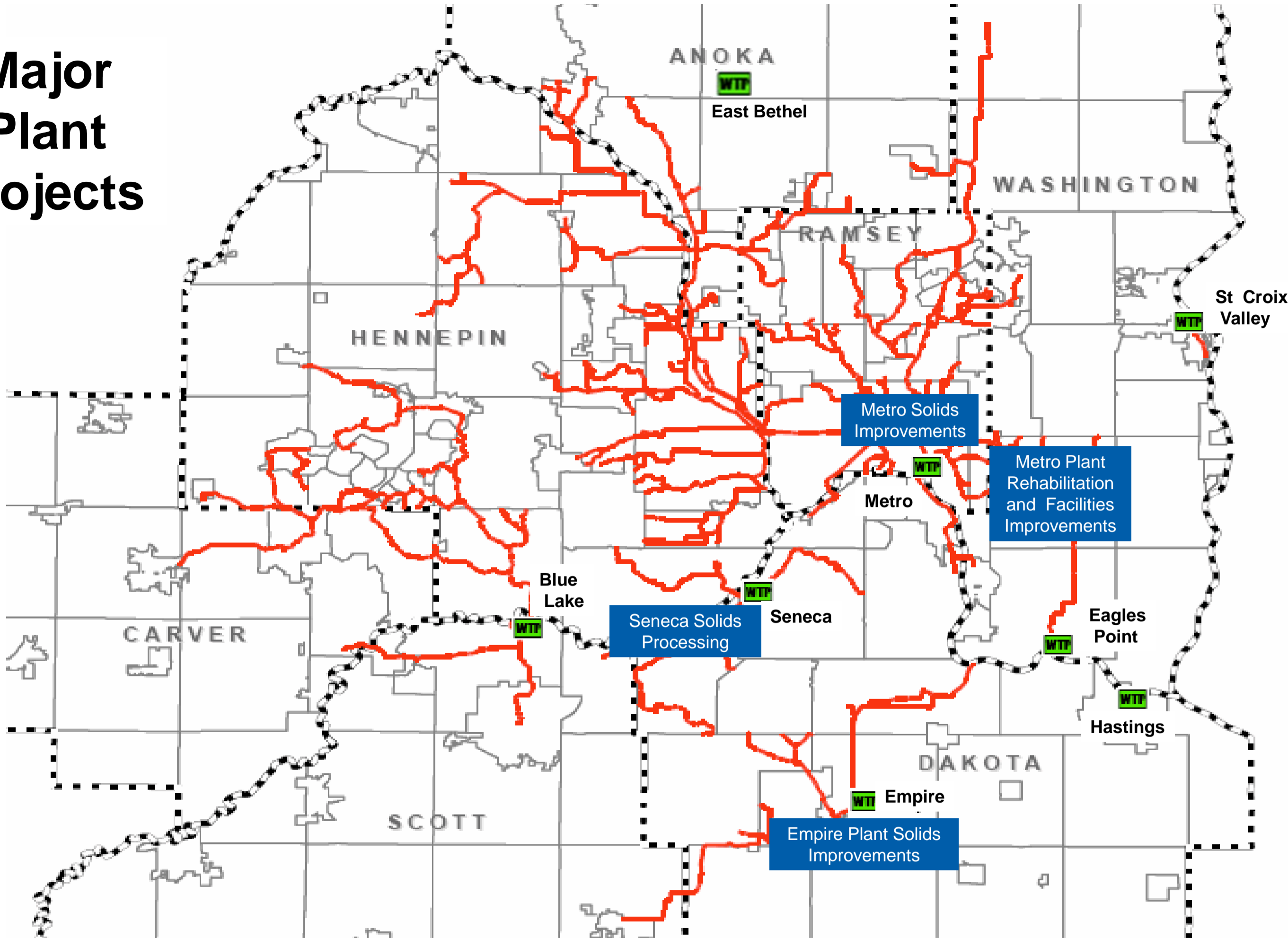
# Proposed 2015-2020 Capital Improvement Program



# MCES System Map



# Major Plant Projects





# Key Projects - Plants

- Empire Plant
  - Solids Processing
- Metro Plant
  - Rehabilitation
  - Solids Improvements
- Seneca Plant
  - Solids Improvements

**Empire  
Wastewater  
Plant**







**Metro Plant**



# Seneca Wastewater Plant





# Quality

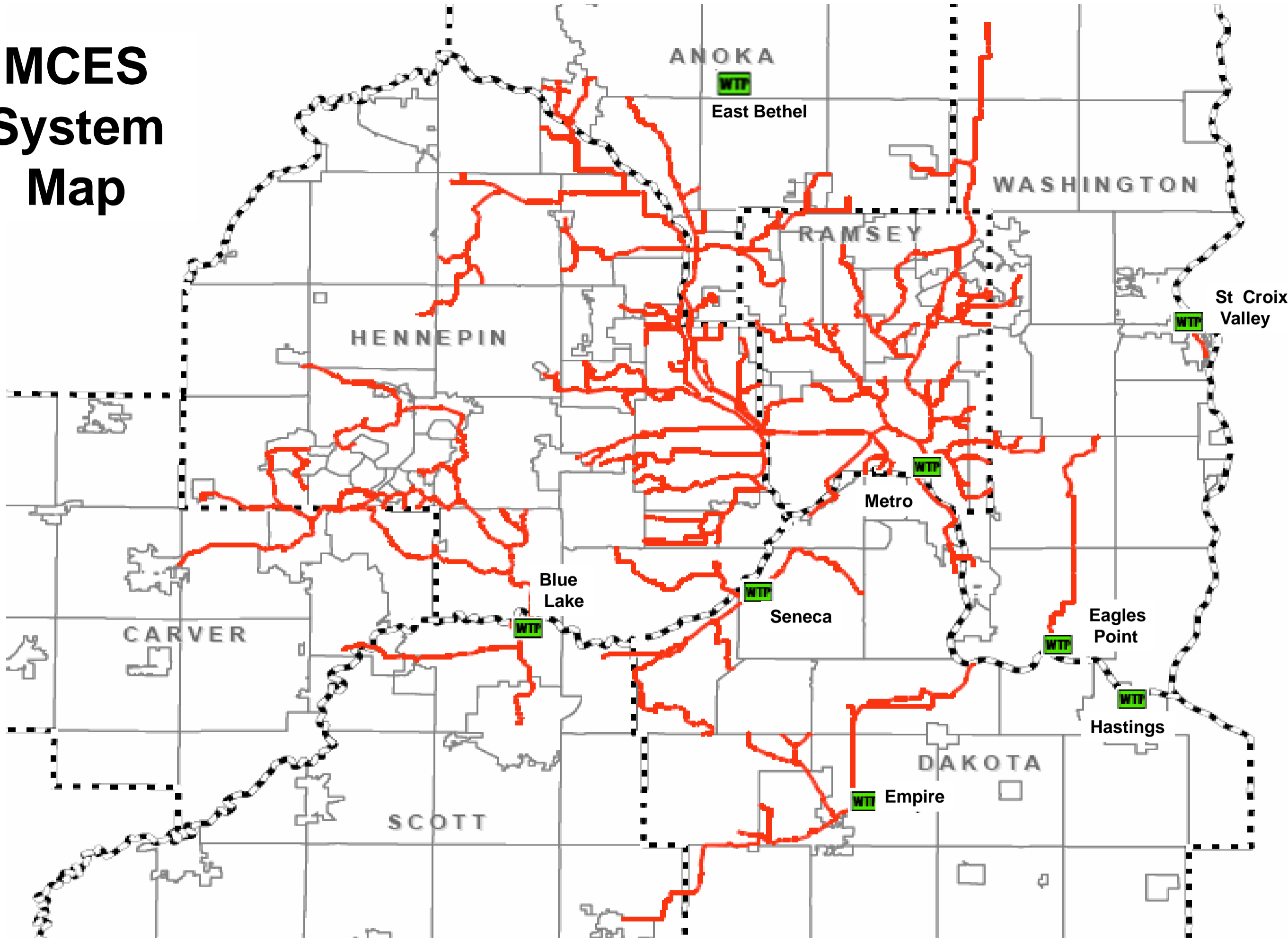
- Current permit conditions have been met
- CIP excludes capital improvements for potential future permit requirements
- Focus on reliability and energy conservation

# Interceptor System Components

- 481 miles of gravity sewer
- 194 flow meter stations
- 127 miles of forcemain
- 60 lift stations
- 22 miles of siphon sewers
- 9 combined sewer overflow regulators



# MCES System Map





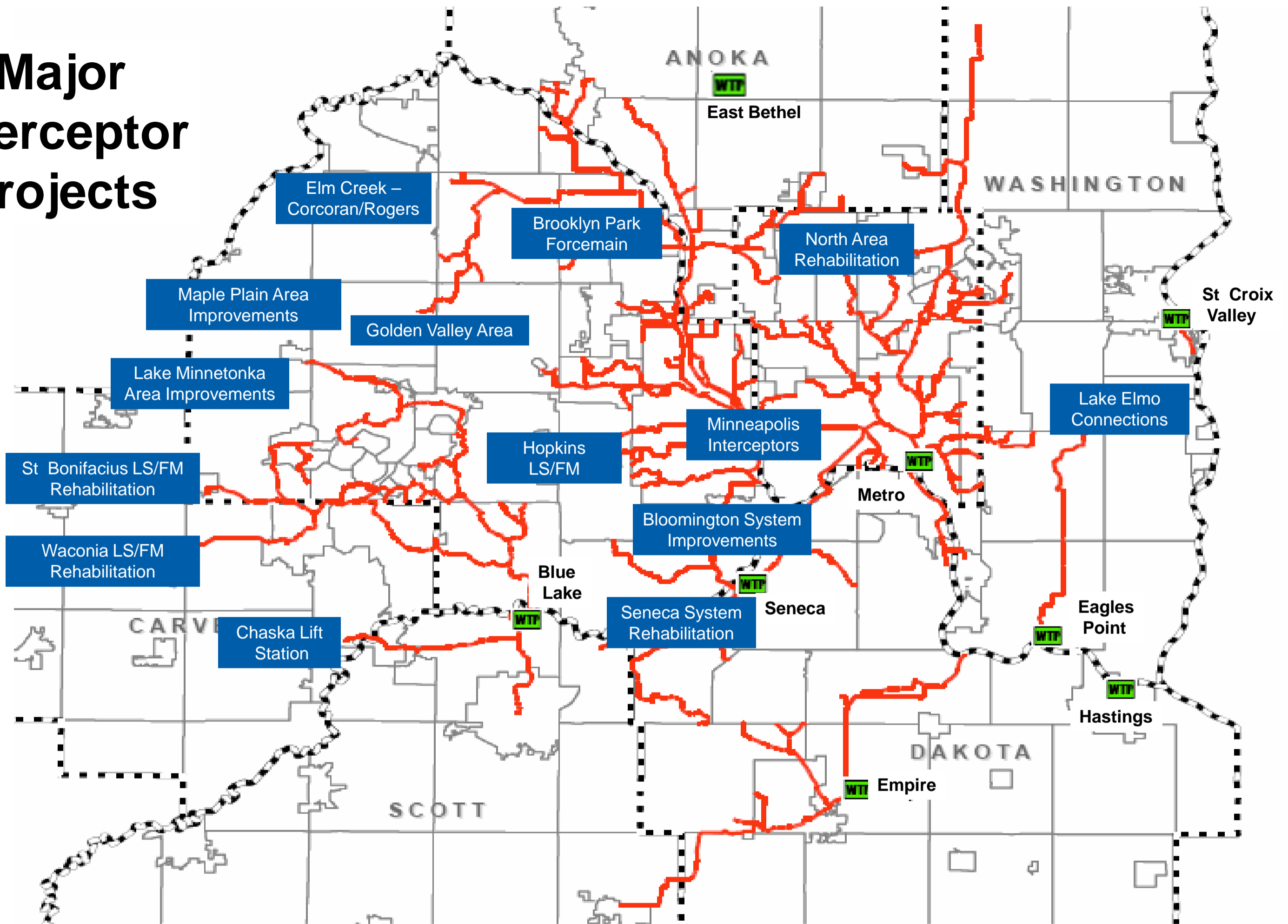
# Interceptor Rehabilitation Priorities

- Pipes Susceptible to Corrosion
- Materials Susceptible to Failure

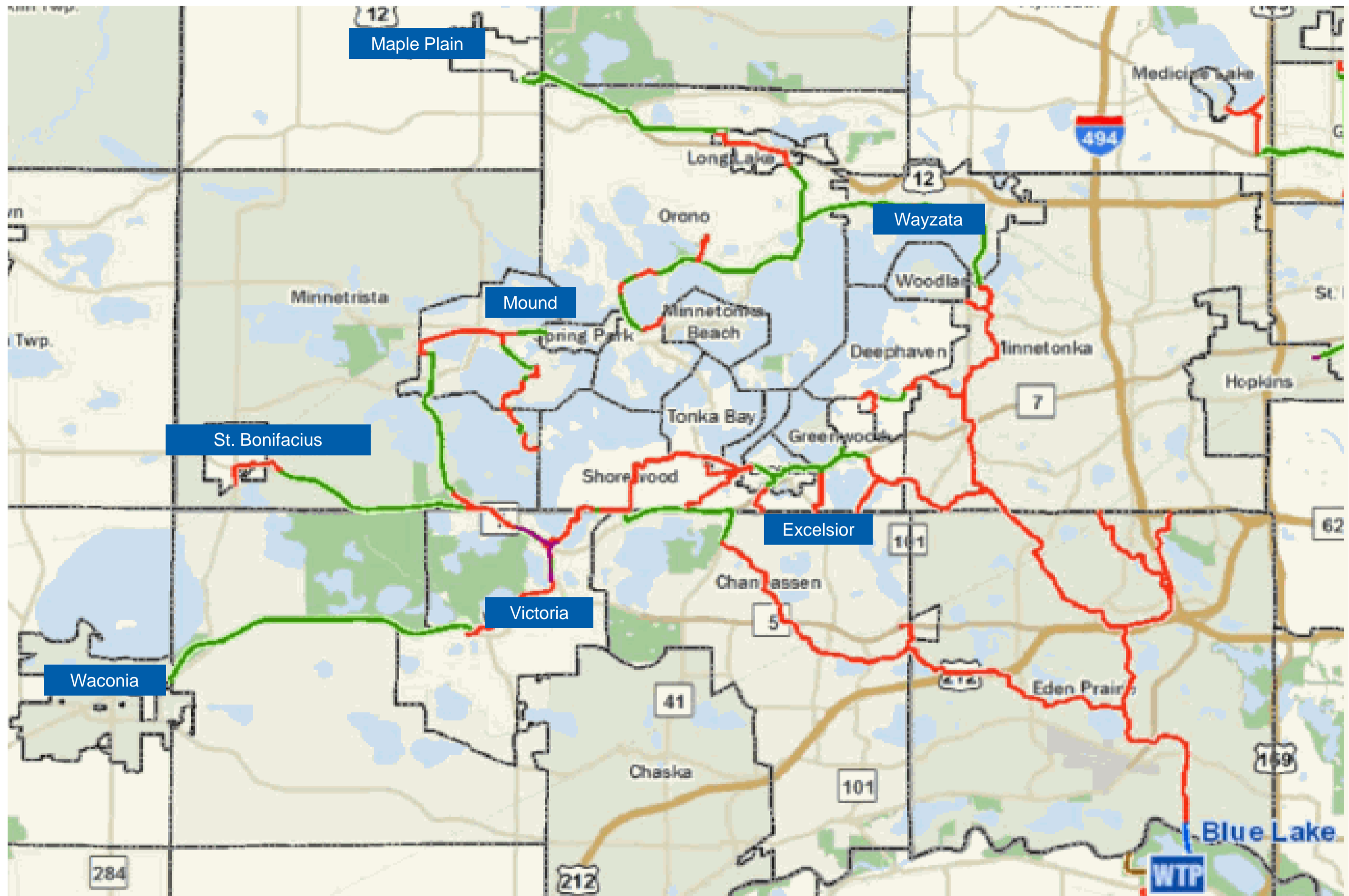




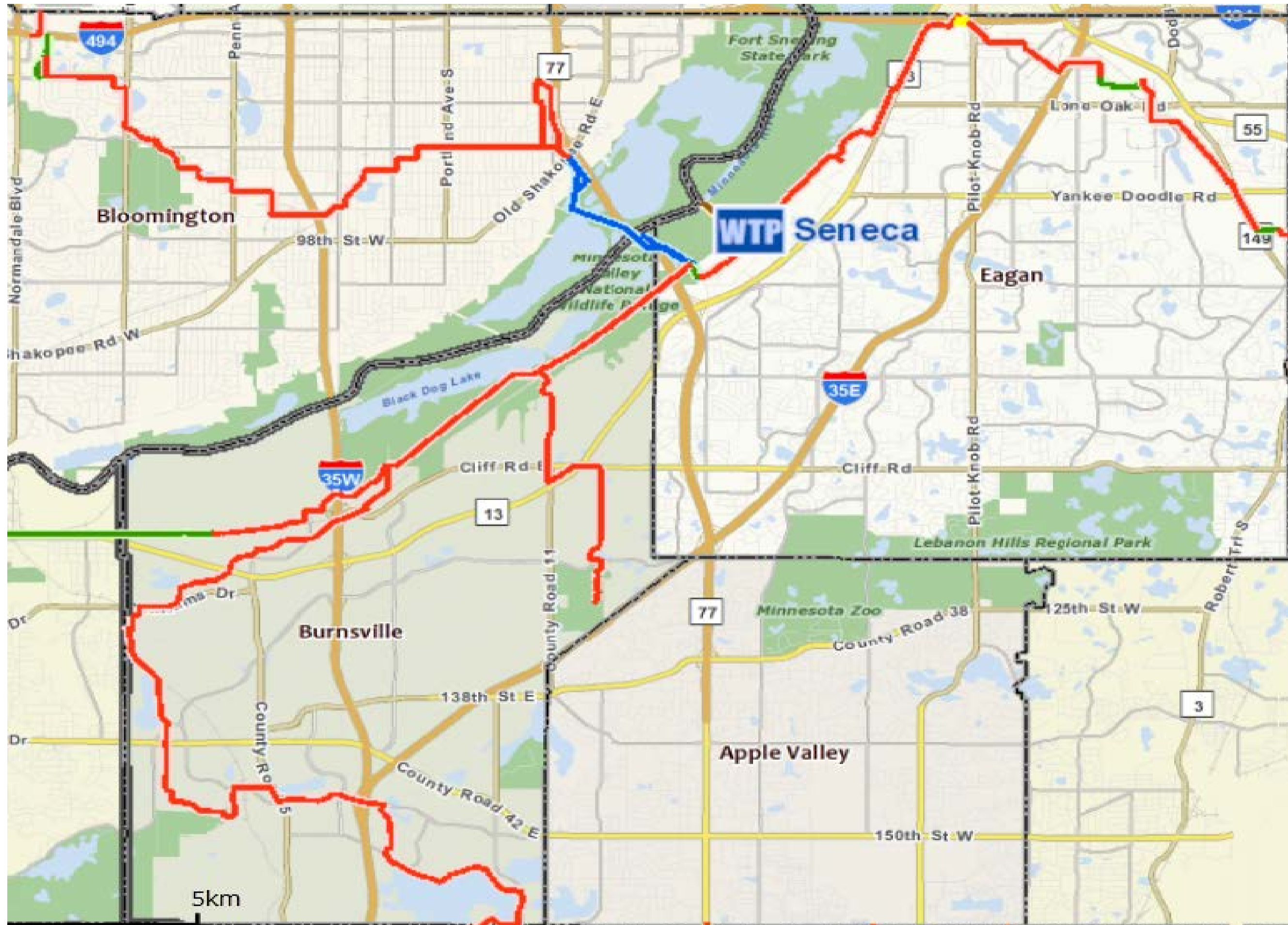
# Major Interceptor Projects



# Lake Minnetonka Area Projects



# Seneca Interceptor System Rehabilitation



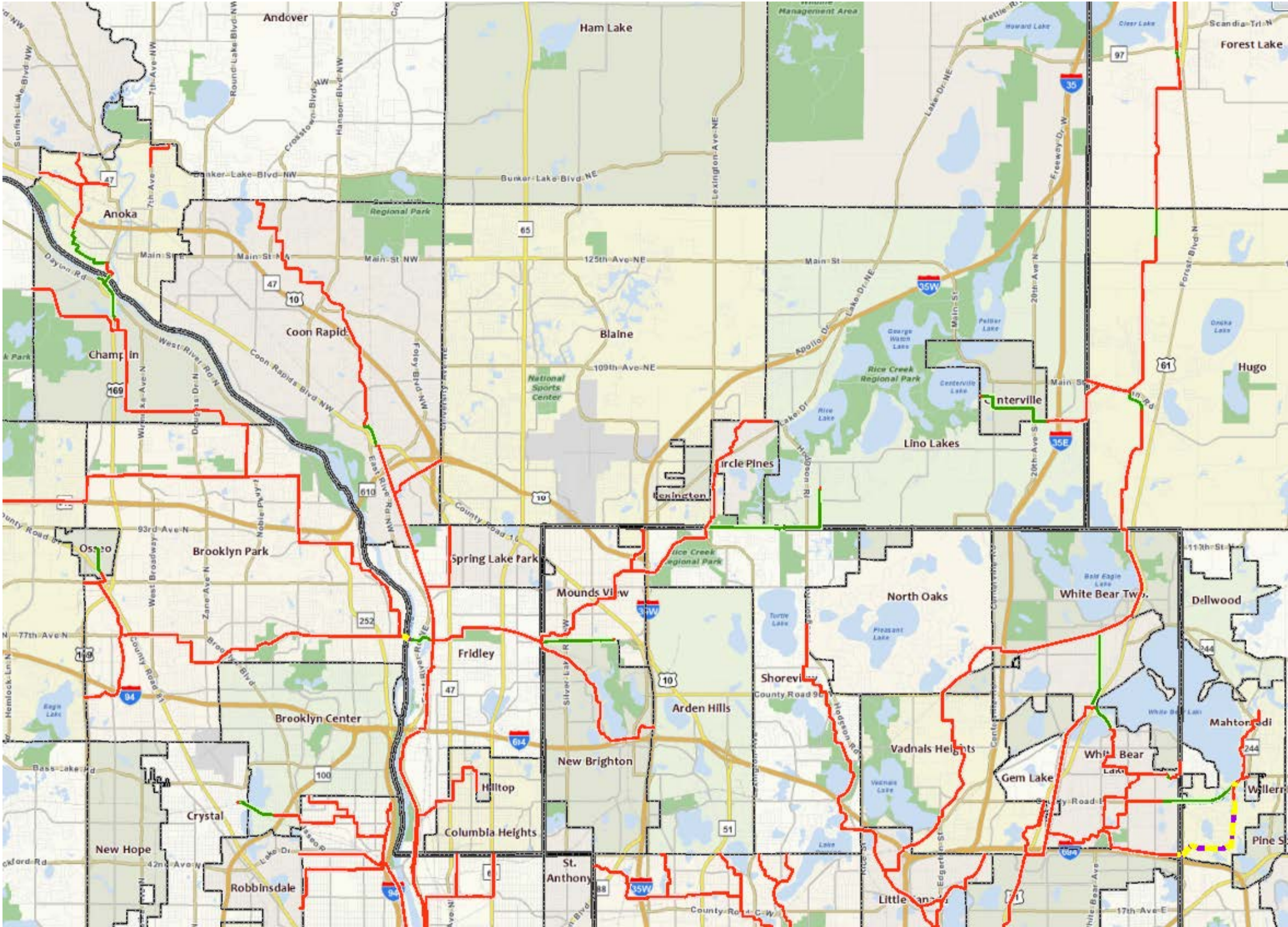


# Brooklyn Park LS/FM Rehabilitation

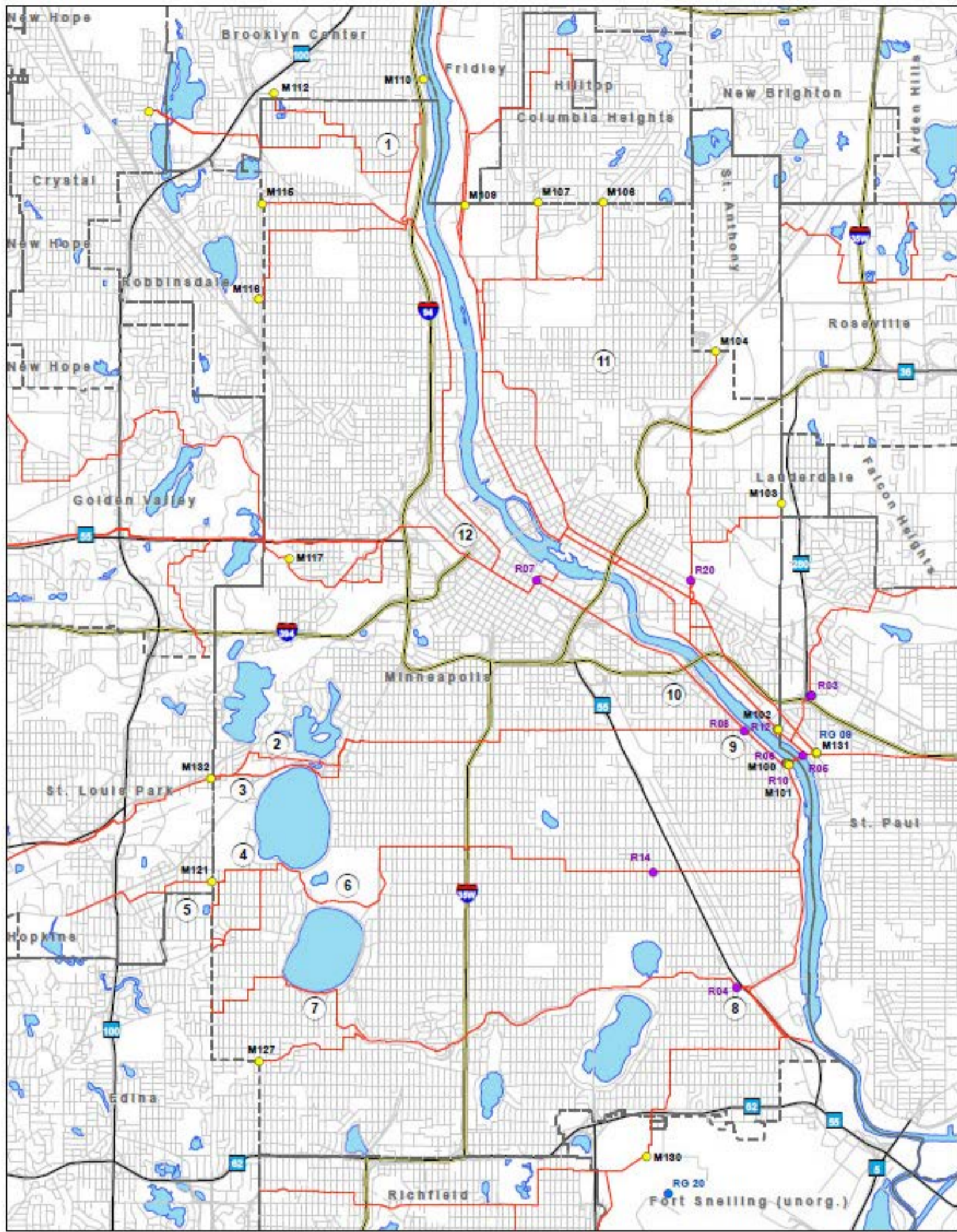




# North Area Interceptor System





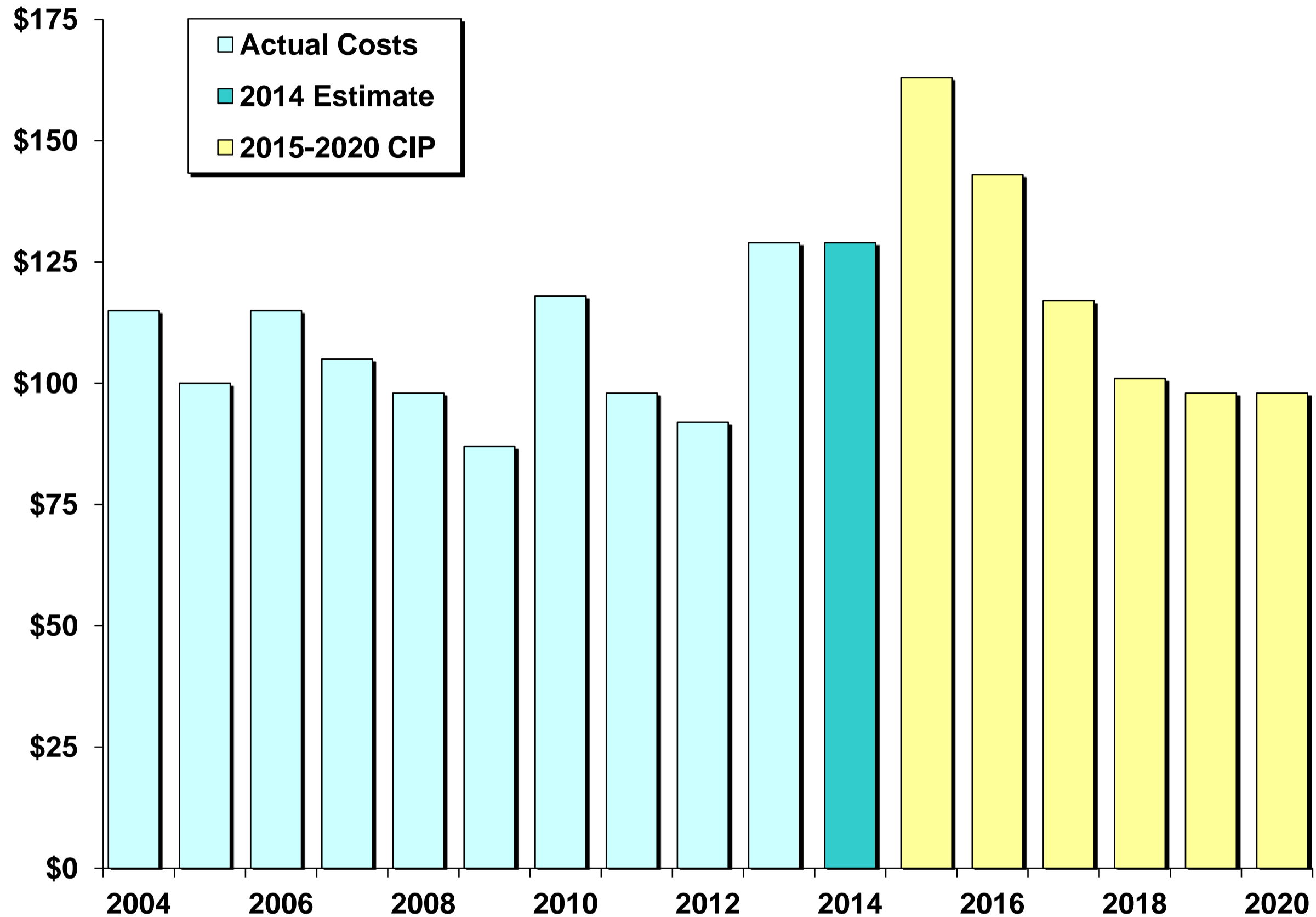


# Minneapolis Interceptor Projects



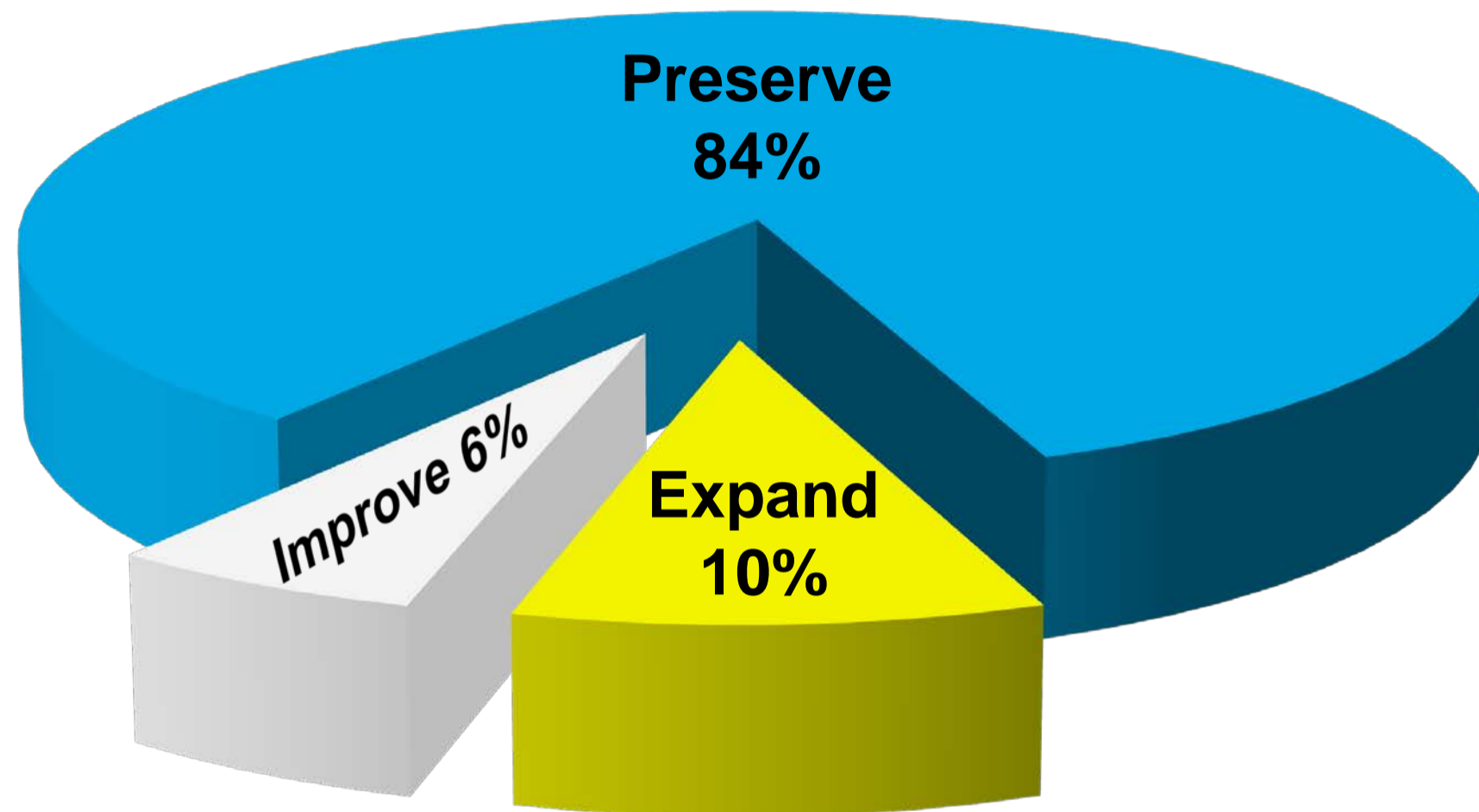
# Capital Improvement Program (CIP)

## Expenditures by Year (\$ Millions)



# Capital Improvement Program (CIP)

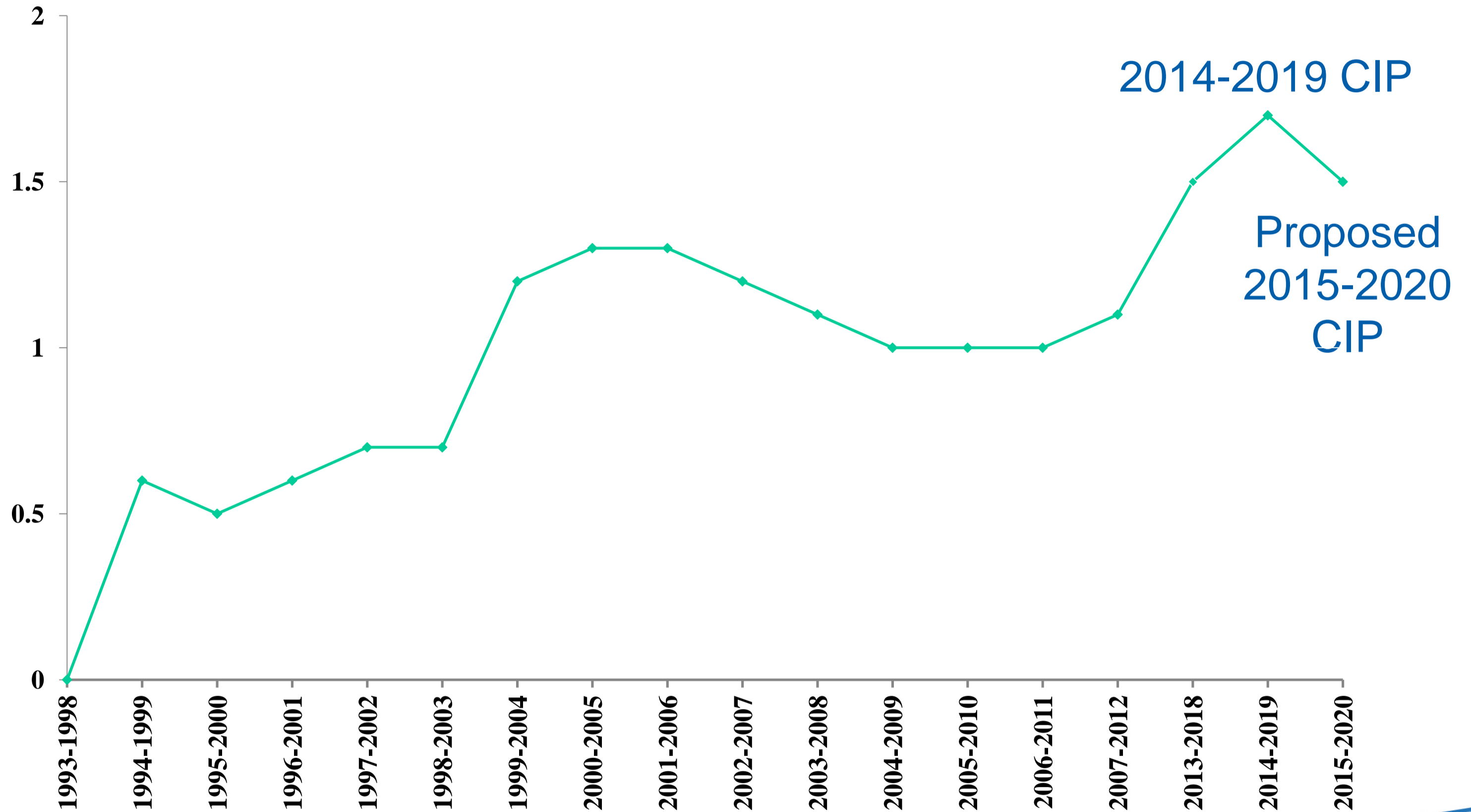
## Cost Breakdown by Project Objective



**Total 2015 - 2020 CIP  
\$720 Million**

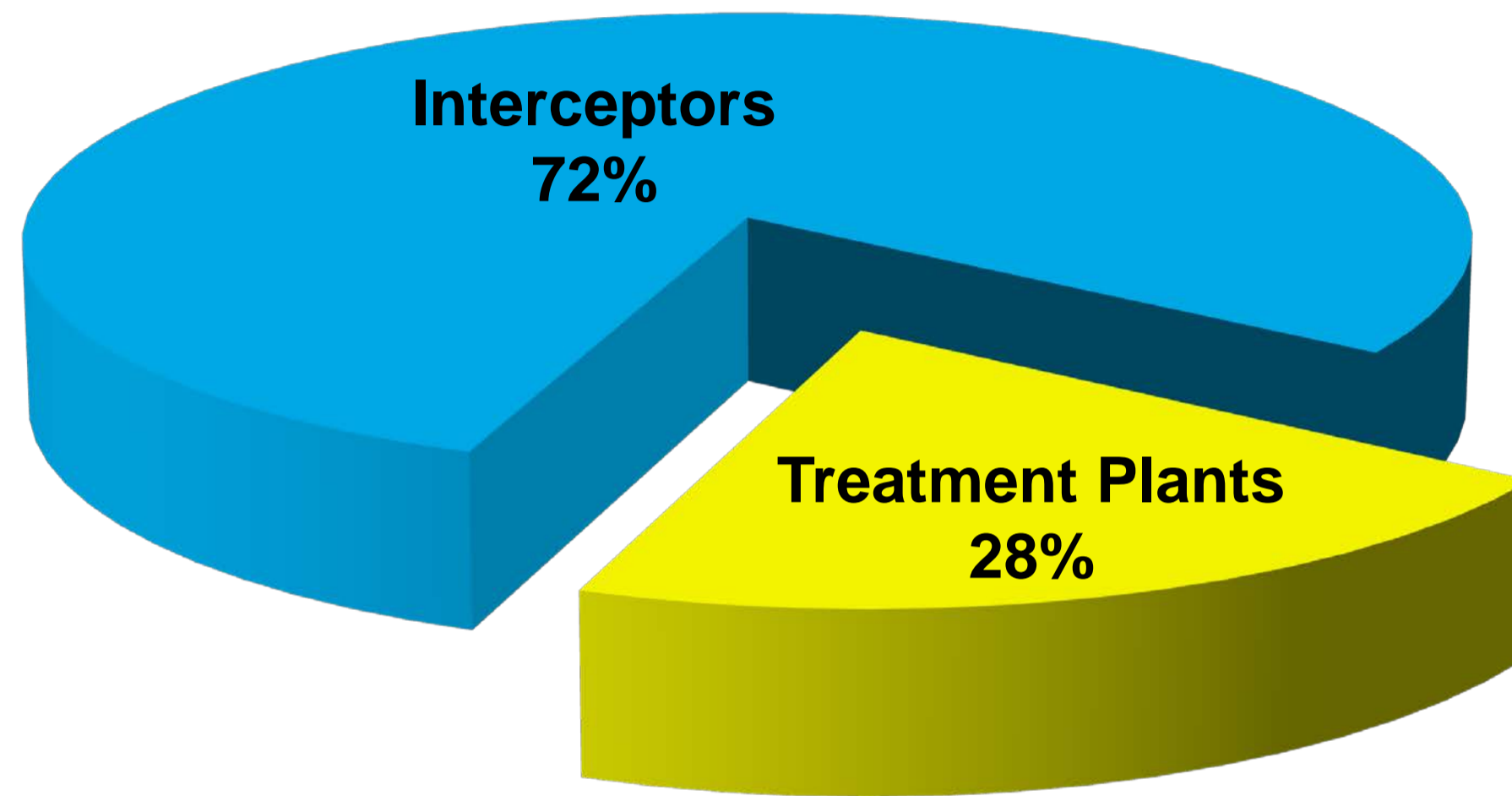
# Asset Preservation Index (%)

## Six-Year Moving Average



# Capital Improvement Program (CIP)

## Cost Breakdown by Project Type



**Total 2015 - 2020 CIP  
\$720 Million**



# Proposed 2015 Authorized Capital Program

# Authorized Capital Program Requests

- There are no new projects
- Adjustments to existing projects
- Authorization of funding for projects moving into the design phase or to the construction phase
- There are no completed projects slated to be deleted from the program

# Summary of Proposed Changes

Current Authorizations	\$1,023,200,000
New Projects	\$-0-
Adjustments	\$95,000,000
Completed Projects	\$-0-
<b>Proposed 2015 Authorization</b>	<b>\$1,118,200,000</b>

# Summary of Adjustments

Metro Nutrient Removal	\$1,000,000
Metro Rehabilitation & Facilities Improve.	32,000,000
Regional Plant Improvements	3,000,000
Seneca Solids Processing Improvements	10,000,000
Blue Lake System Improvements	22,000,000
Chaska Lift Station	6,000,000
Golden Valley Area Improvements	-8,000,000
Hopkins System Improvements	7,000,000
Meter Improvements	4,000,000
North Area Interceptor Rehabilitation	15,000,000
St Bonifacius LS/FM Rehabilitation	<u>3,000,000</u>
<b>Total Adjustments</b>	<b>\$95,000,000</b>

# Construction Schedule - Plants

Project	2015	2016	2017	2018	2019	2020
Metro Rehabilitation						
Empire Solids						
Seneca Solids						
Metro Solids						



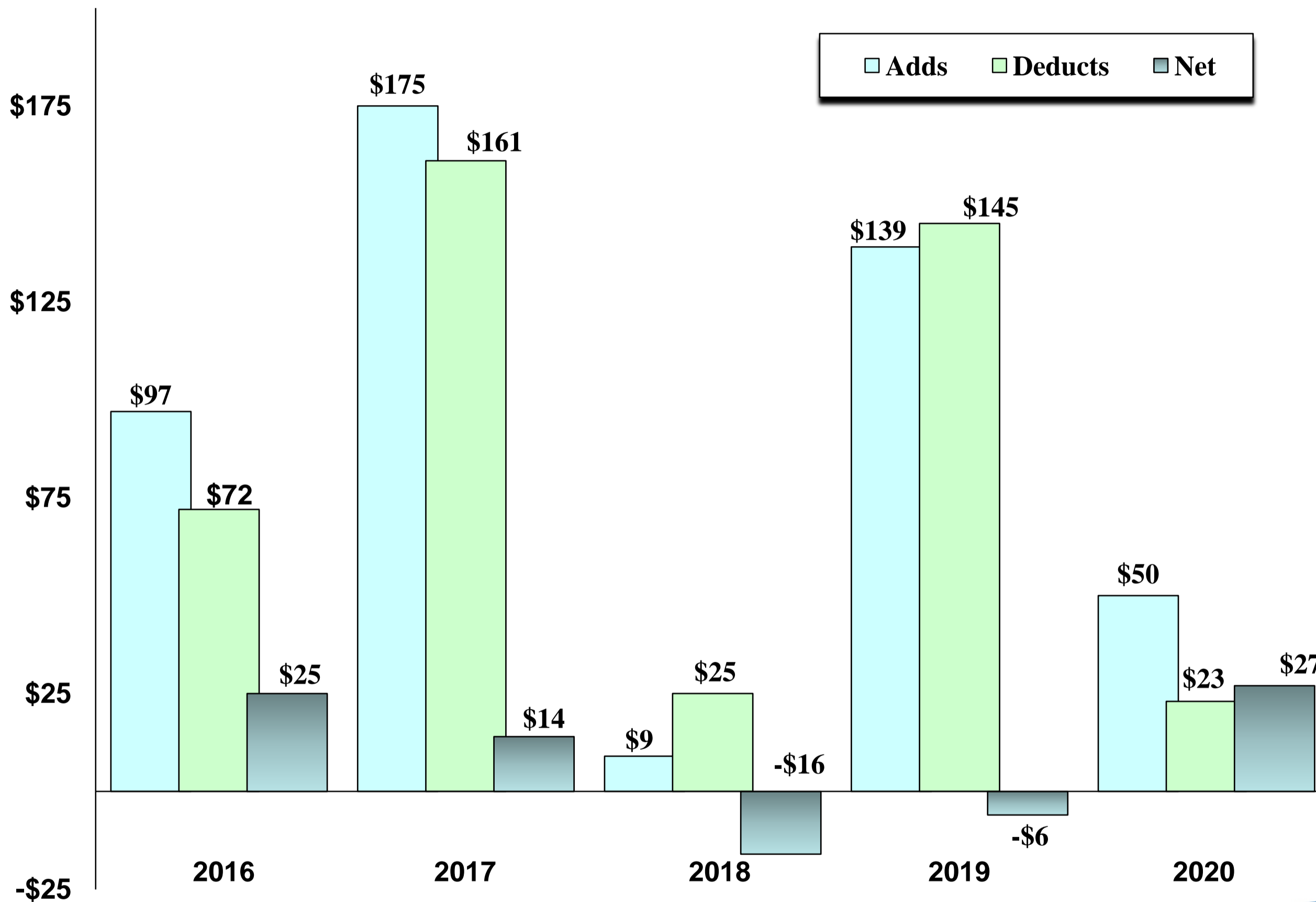
# Construction Schedule - Interceptors

Project	2015	2016	2017	2018	2019	2020
Golden Valley Area	→					
Hopkins and Minneapolis System Improvements	→					
Seneca System	→					
Blue Lake System	→					
North Area Rehabilitation	→					
St Bonifacius and Waconia LS/FM Rehabilitation	→					
Maple Plain Improvements			→			



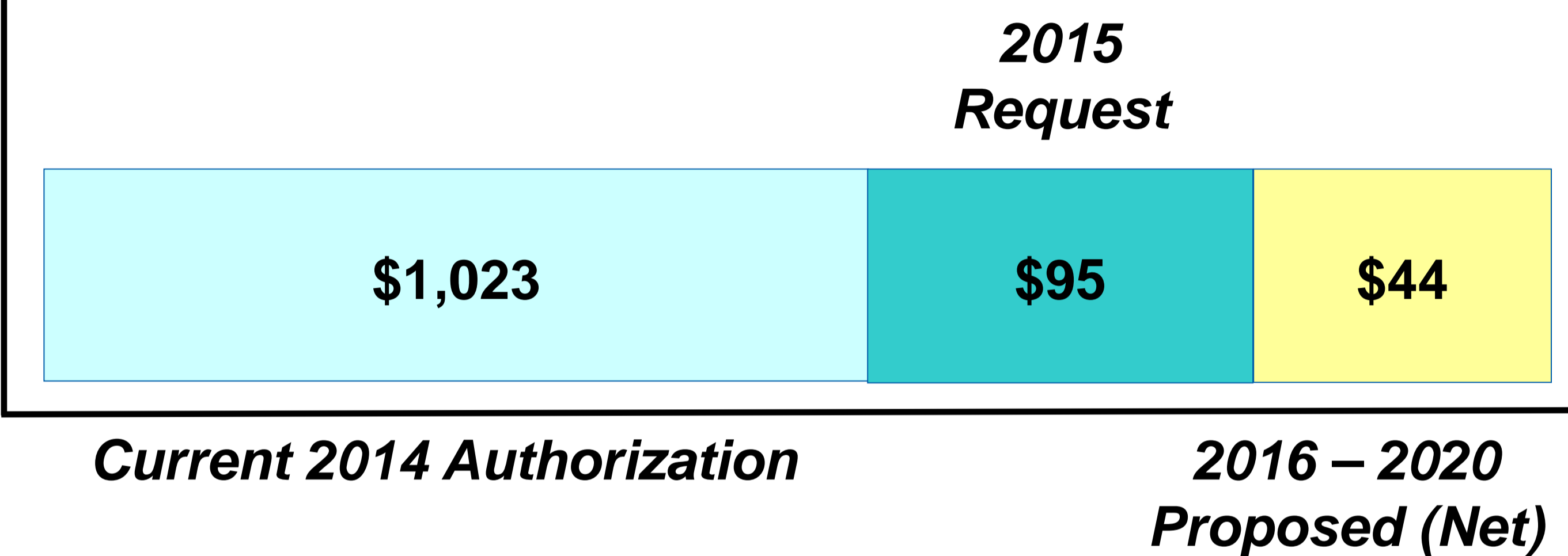
# Capital Improvement Program (CIP)

## Proposed Future Authorization Requests (\$ Millions)



# Proposed Authorized Capital Program

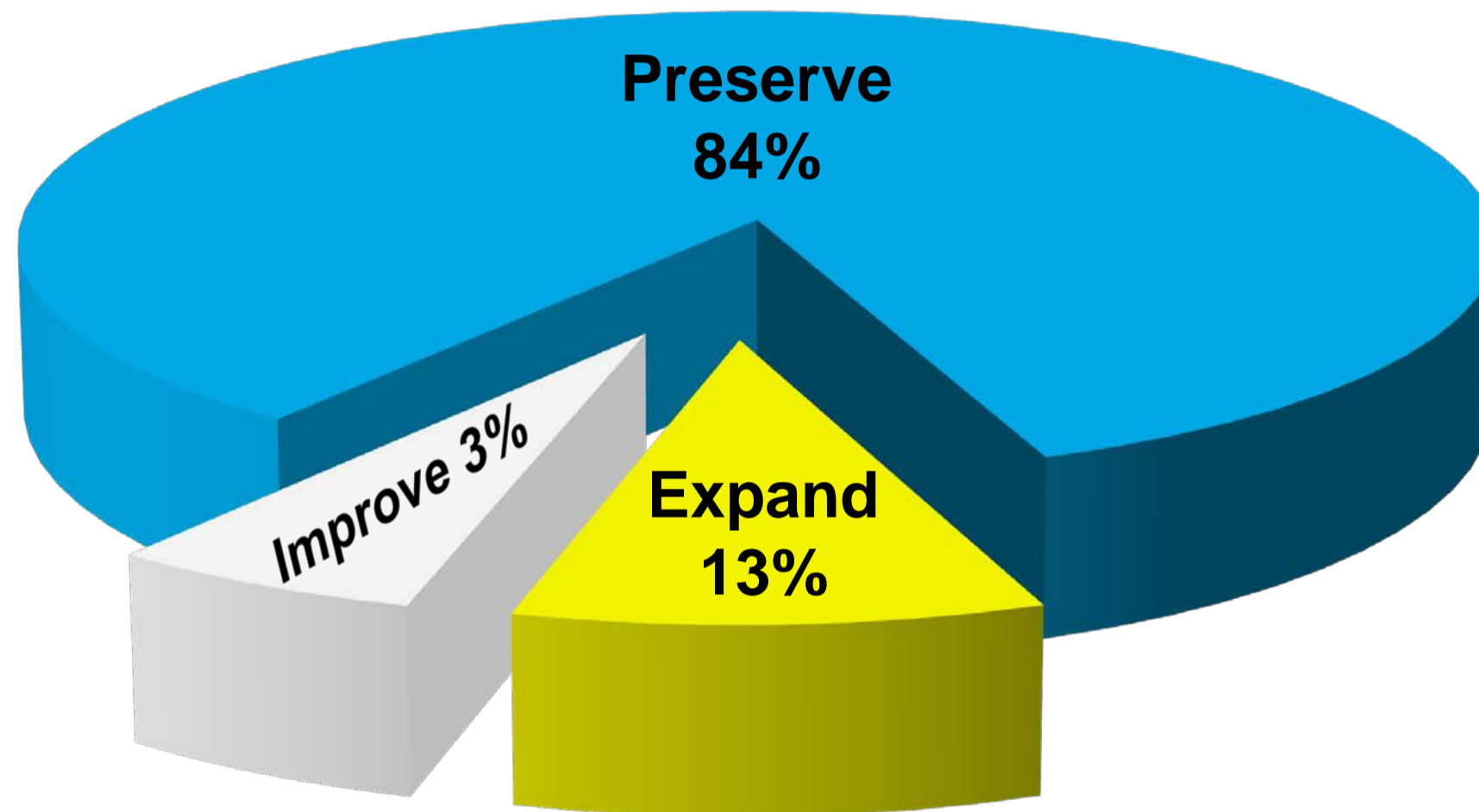
Authorizations (\$ Millions)





# Proposed 2015 Capital Budget

## Cost Breakdown by Project Objective



**Total 2015 Capital Budget  
\$163 Million**

# Summary

## Capital Improvement Program

\$720 Million

## Authorized Capital Program

\$1.118 Billion

## Capital Budget

\$163 Million