

CIP Number: 122003

Project Title WWP to NE Transmission Main

Project Status Active

Class Lvl 1 Water

Class Lvl 2 Field Services

Class Lvl 3 Transmission System

Location City of Detroit

- Innovation
- Water MP Right Sizing
- Reliability/Redundancy
- NEWTP Repurposing

Project New To CIP

Project Score 62.4



NONE

Project Engineer/Manager Timothy Kuhns

Manager Grant Gartrell

Project Significance Historical pumpage data for the Northeast WTP indicates that the maximum day demands for the Northeast service area can be as high as 190 MGD. With the upcoming decommissioning of treatment at the Northeast WTP, an 81-inch transmission main is proposed between Water Works Park and Northeast to convey 150 MGD of finished water to the Northeast high lift pumping system to provide service to the existing Northeast service area to meet a large portion of the Northeast service area maximum day demands.

Scope of Work This project includes construction of 35,000 feet of 81-inch diameter piping between Water Works Park and Northeast. The project includes a flow control station at the Northeast site to control flows between Water Works Park and the Northeast High Lift Station

Challenges Route determination, utility conflicts and connections to yard piping at Northeast and Water Works Park WTPs. The large new main will cross I-94 and run through 7 miles of residential/commercial streets.

Project Expenses Compared to Previous CIP Versions (All figures are in \$1,000's)

CIP	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Total
2018			1,500	5,000	10,000	74,000	2,000	37,500	0	0	130,000
2019	0	19	1,305	1,372	8,622	17,547	46,022	30,722	25,270	0	130,879
2020	0	0	1,655	1,121	871	15,786	24,115	29,615	29,994	30,115	133,272