

Contract No. 1802448

“Engineering, Design and Construction Assistance Services for the 14 Mile Transmission Main” (CIP# 122013)

Review Committee Score and Business Case Evaluation

The Review Committee (RC) score given in the FY2020 CIP for CIP # 122013 that provides funding to proposed Contract No. 1802448 is 58.4. The business case evaluation (BCE) for this project is provided below.

CIP Number: 122013											
Project Title 14 Mile Transmission Main Loop											
Project Status Future Planned	<input type="checkbox"/> Innovation										
Class Lvl 1 Water	<input type="checkbox"/> Water MP Right Sizing										
Class Lvl 2 Field Services	<input checked="" type="checkbox"/> Reliability/Redundancy										
Class Lvl 3 Transmission System	<input type="checkbox"/> NEWTP Repurposing										
Location Oakland County	Project Score <input type="text" value="58.4"/>										
Project Engineer/Manager Timothy Kuhns Manager Grant Gartrell											
Project Significance The 14 Mile Transmission Main that currently serves West Bloomfield Township, Farmington Hills, Commerce Township, Novi, Walled Lake, and Wixom is a single feed transmission system. If a disruption to service were to occur on this transmission main, many of the users along this main would experience a complete loss of pressure and flow. This project would provide a transmission main loop to the 14 Mile system to increase redundancy on this branch of the system.											
Scope of Work Install approximately 6 Miles of 48-inch transmission main from 8 Mile Road to 14 Mile Road along Haggerty Road. The work will also include connections to the yard piping and reservoir fill line at the Haggerty Booster Station as well as a control valve to regulate flows along the transmission main.											
Challenges Routing and construction staging for the proposed piping in the vicinity of the Haggerty and 8 Mile Intersection appears to be a significant challenge as this intersection is one of the highest traffic volume intersections in Southeast Michigan.											
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		1,300	10,500	12,000	6,000				0	0	29,800
2019	0				751	1,315	1,507	13,420	37,433	0	54,426
2020	0	0		0	751	1,315	1,507	13,420	12,000	25,433	54,426