



Legislation Text

File #: 2022-002, Version: 1

Contract No. 2004825
Construction Management at Risk for 96-Inch Water Transmission Main Relocation
CIP #122004 / BCE Score: 65.20

Agenda of: January 26, 2022

Item No.: **2022-002**

Amount: \$36,342,500.00

TO: The Honorable
Board of Directors
Great Lakes Water Authority

FROM: Suzanne R. Coffey, P.E.
Interim Chief Executive Officer
Great Lakes Water Authority

DATE: January 5, 2022

RE: **Contract No. 2004825**
Construction Management at Risk for 96-Inch Water Transmission Main
Relocation
Vendor: Kiewit Infrastructure Company

MOTION

Upon recommendation of Cheryl Porter, Chief Operating Officer - Water and Field Services, the Board of Directors (Board) of the Great Lakes Water Authority (GLWA), authorizes the Interim Chief Executive Officer (ICEO) to **enter into Contract No. 2004825 “Construction Management at Risk for 96-Inch Water Transmission Main Relocation” with Kiewit Infrastructure Company, at a cost not to exceed \$36,342,500.00 for a duration of 2,370 days;** and authorizes the ICEO to take such other action as may be necessary to accomplish the intent of this vote.

BACKGROUND

Contract No. 2004825 is a pre-construction phase Construction Management at Risk (CMAR) that involves the relocation of approximately 2.5 miles of 96-inch water transmission main (WTM) currently located in an Environmental Protection Agency (EPA) National Priorities List closed landfill located in Shelby Township, MI. The existing 96-inch WTM was constructed in the mid-1960s and

was placed into service in December 1967 to serve the city of Flint with drinking water from the south. The relocated WTM will connect to GLWA's existing water transmission system near the intersection of 24 Mile Road and the Macomb Orchard Trail to the north and at the intersection of Dequindre Road and Hamlin Road to the south. The existing 96-inch WTM is part of GLWA's overall drinking water transmission system that interconnects the Lake Huron Water Treatment Plant (LHWTP) with other water treatment plants (WTPs) and water transmission facilities. The 96-inch WTM begins at GLWA's Imlay Station. At Imlay Station, flows from the existing 120-inch WTM that are pumped from the LHWTP are transmitted west in an existing 72-inch WTM to member partner communities and south in the 96-inch WTM to the northern Metro Detroit member partner communities. The 96-inch WTM continues south and terminates at GLWA's North Service Center (NSC).

JUSTIFICATION

The CMAR under this proposed Contract No. 2004825 will provide pre-construction phase services beginning at 60% design through final design. The design phase of the project is being completed under Contract No. 1900741 with Jacobs. The CMAR contractor will provide the following pre-construction phase services:

- Constructability reviews including information on construction materials availability.
- Recommendations on equipment and/or packaging to advance construction.
- Independent quantity calculations to verify quantities specified by Engineer.
- Construction cost estimates at 60% and 90% design milestones.
- Input on pre-shutdown construction and shutdown construction risk mitigation plans. Implementation strategy and contingency plans for providing backup drinking water services during the shutdown.
- Provide a guaranteed maximum price (GPM) for construction phase services.

This CMAR contract may be amended upon review and acceptance of the future GMP proposals for construction phase services. GMP proposals will be prepared upon completion of the 90% design. GLWA may accept or reject the GMP proposals. Upon acceptance by GLWA of a GMP proposal, the GMP will be set forth in a future contract change order.

This project will provide improved access for future operations and maintenance of the 96-inch WTM and will increase resiliency of the water transmission system with the installation of four isolation valve stations with bypasses to serve adjacent member partner communities in the future.

FINANCIAL PLAN IMPACT

Summary: Sufficient funds are provided in the financial plan for this project.

Funding Source: Water Construction Fund

Cost Center: Water Field Engineering

Expense Type: Construction (5519-882411.000-616900-122004)

Estimated Cost by Year and Related Estimating Variance: See table below.

Fiscal Year

FY 2022 Plan	\$ 4,771,000.00
FY 2023 Plan	11,237,000.00
FY 2024 Plan	36,227,000.00
FY 2025 Plan	36,237,000.00
FY 2026 Plan	36,237,000.00
FY 2027 Plan	31,237,000.00
FY 2028 - 2032 Plan	<u>70,125,000.00</u>
Financial Plan Estimate	\$226,071,000.00
Proposed Contract Award	<u>36,342,500.00</u>
Construction Remaining Balance	\$189,728,500.00

COMMITTEE REVIEW

This item was presented to the Operations and Resources Committee at its meeting on January 12, 2022. The Operations and Resources Committee unanimously recommended that the GLWA Board adopt the resolution as presented.

SHARED SERVICES IMPACT

This item does not impact the shared services agreement between GLWA and DWSD.