



Legislation Text

File #: 2019-320, Version: 1

Contract No. 1902063 GLWA-CS-267

Ypsilanti Pumping Station Improvements

CIP#: 132012 / BCE: 61.2

Agenda of: September 25, 2019

Item No.: **2019-320**

Amount: \$3,683,686.00

TO: The Honorable
Board of Directors
Great Lakes Water Authority

FROM: Sue F. McCormick
Chief Executive Officer
Great Lakes Water Authority

DATE: August 28, 2019

RE: **Contract No. 1902063 (Advertised as GLWA-CS-267)**
Ypsilanti Pumping Station Improvements
Vendor: Brown and Caldwell, LLC

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 Chief Executive Officer (CEO) to **enter into Contract No. 1902063 GLWA-CS-267 “Ypsilanti Pumping Station Improvements” with Brown and Caldwell, LLC, at a cost not to exceed \$3,683,686.00 for a duration of 68 months;** and authorizes the CEO to take such other action as may be necessary to accomplish the intent of this vote.

BACKGROUND

GLWA's Ypsilanti Water Booster Pump Station (Ypsilanti Pumping Station), located in Belleville, Michigan, boosts water pressure and generally serves the Ypsilanti Community Utilities Authority (YCUA) which serves the City of Ypsilanti, Ypsilanti Township, Augusta Township, Pittsfield Township, and Superior Township. The Ypsilanti Station's yard valves, pumping units, electrical switchgear, power distribution system, motor controls, lighting, and building mechanical systems are all in need of replacement. In addition, the Ypsilanti Pumping Station is not equipped with a backup generator to

maintain pumping capabilities in the event of power loss to the station. Similarly, the station was not designed or constructed with an overhead crane. Instead, a crane truck must be mobilized to the station to remove equipment through removeable roof slabs. Use of this mobile crane at this site requires GLWA to obtain approval from the Federal Aviation Administration due to the proximity of the station to the Willow Run Airport. This is an inefficient process for GLWA maintenance. Lastly, the removeable roof slabs present an added maintenance requirement to keep the properly sealed to prevent roof leaks.

There are three alternatives to address the necessary improvements to the Ypsilanti Station, include:

- Construction of a new station - using the existing site
- Construction of a new station - using the existing, construction of a new station
- Decommissioning the Ypsilanti Pumping Station and instead improving the Wick and Joy Pumping Stations.

The consultant's scope of services involves evaluating the alternatives and designing the GLWA-selected alternative, as well as project management, administration, and resident project representation (RPR) for implementation of the selected alternative. GLWA will enter into a separate contract with a construction contractor to build the project.

JUSTIFICATION

The existing station above-grade and buried infrastructure is beyond rehabilitation and requires replacement with new systems and equipment to sustain long-term water service reliability to the large customer base served by this station. Implementation of this contract will lead to the separate construction contract that will improve water service reliability to those served by the Ypsilanti Station.

FINANCIAL PLAN IMPACT

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

Funding Source: Water Construction Bond

Cost Center: Water Engineering

Expense Type: Construction (5519-882411.000-617950-132012)

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

Fiscal Year	
FY 2019 Plan	\$ 15,000.00
FY 2020 Plan	555,000.00
FY 2021 Plan	535,000.00
FY 2022 Plan	535,000.00
FY 2023 Plan	535,000.00
FY 2024 Plan	<u>535,000.00</u>

Financial Plan Estimate	\$2,710,000.00		
Proposed Contract Award	<u>3,683,686.00</u>		
Negative Estimating Variance		\$	(973,686.00)

This negative estimating variance to be funded from capital reserves.

SAVINGS, COST OPTIMIZATION, AND REVENUE ENHANCEMENT IMPACT

The cost savings are not determinable at the time of award.

COMMITTEE REVIEW

This item was presented to the Operations and Resources Committee at its meeting on September 11, 2019. 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.