



Legislation Details (With Text)

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Title: GLWA-CON-297
Fairview Sewage Pumping Station Improvements

Sponsors: Cheryl Porter

Indexes: Water Operations

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Attachments: 1. GLWA-CON-297 Procurement Report, 2. GLWA-CON-297 Bid Tab

Date	Ver.	Action By	Action	Result
10/24/2018	1	Board of Directors	Approved	Pass

GLWA-CON-297

Fairview Sewage Pumping Station Improvements

Agenda of: October 24, 2018
Item No.: **2018-944**
Amount: \$28,891,000.00

TO: The Honorable
Board of Directors
Great Lakes Water Authority

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

DATE: October 2, 2018

RE: **Contract No. GLWA-CON-297**
Fairview Sewage Pumping Station Improvements
Vendor: Weiss Construction Co., 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. GLWA-CON-297 “Fairview Sewage Pumping Station Improvements” with Weiss Construction Co., LLC, at a cost not to exceed \$28,891,000.00 for a duration of two (2) years and seven (7) months;** and authorizes the CEO to take such other action as may be necessary to accomplish the intent of this vote.

BACKGROUND

The Fairview Sewage Pumping Station (Fairview Station) was constructed in 1913 for the purpose of protecting the Water Works Park Water Treatment Plant source water intake from upstream sanitary and combined sewer overflows in the Fox Creek, East Jefferson, Northeast Wayne County, and Southeast Macomb County sewer districts. Currently, the Fairview Station provides the only means for conveying sanitary and combined sewage flows from these sewer districts to the GLWA Water Resource Recovery Facility. All major equipment at the Fairview Station are well beyond their useful service life, are difficult to maintain, and as a result, the station is increasingly vulnerable to operational upsets and unplanned outages. This construction contract, GLWA Contract No. CON-297, will replace the major station mechanical, electrical, instrumentation, and control equipment with new to restore and improve the station’s operability, reliability and maintainability.

JUSTIFICATION

The Fairview Sewage Pumping Station lifts dry- and wet-weather sewage flows conveyed from upstream sewer districts and pumps these flows into the Detroit River Interceptor. The risk of combined sewer overflows (CSOs), sanitary sewer overflows (SSOs), basement flooding, and street flooding increases whenever there are unplanned outages at the Fairview Station. The severity of these events can be substantial considering that the Fairview Station collects sewage flows from an area serving approximately 1-million people over 425 square miles. In addition to the public health and safety risks associated with street and basement flooding and environmental consequences associated with CSOs and SSOs, GLWA could be subject to fines of up to \$25,000 per day per violation due to potential Clean Water Act violations. Construction of the improvements included in the scope of GLWA Contract No. CON-297 will reduce the chances for unplanned outages at the Fairview Station that improves protection of public health, safety and the environment.

FINANCIAL PLAN IMPACT

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

Funding Source: Wastewater Construction Bond

Cost Center: Wastewater Engineering

Expense Type: Construction (5421-892211.000-616900-170901)

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

Fiscal Year

FY 2019 Budget	\$ 11,600,000.00
FY 2020 Budget	13,920,000.00
FY 2021 Budget	<u>3,480,000.00</u>
Financial Plan Estimate	\$ 29,000,000.00
Proposed Contract Award	<u>28,891,000.00</u>
Positive Estimating Variance	\$ 109,000.00

SAVINGS, COST OPTIMIZATION, AND REVENUE ENHANCEMENT IMPACT

This project is for Fairview Pumping Station improvements. Cost savings are not determinable at the time of this award.

The award of this contract to the lowest, qualified bidder creates a positive estimating variance of \$109,000.00. This variance will be funded to capital reserves.

Project estimate	\$ 29,000,000.00
Proposed award	28,891,000.00
Capital reserve adjustment	\$ 109,000.00

COMMITTEE REVIEW

This item is being presented directly to the full Board of Directors for consideration.

SHARED SERVICES IMPACT

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