



## Legislation Text

---

File #: 2021-165, Version: 1

---

### Contract No. 2004082

### Rehabilitation of Woodward Sewer System

### CIP# 260207

Agenda of: May 26, 2021

Item No.: **2021-165**

Amount: \$18,695,250.00

**TO:** The Honorable  
Board of Directors  
Great Lakes Water Authority

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

**DATE:** May 4, 2021

**RE:** **Contract No. 2004082**  
**Rehabilitation of Woodward Sewer System**  
**Vendor: Lanzo Construction Co., Florida**

### 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. 2004082 "Rehabilitation of Woodward Sewer System " with Lanzo Construction Co., Florida, at a cost not to exceed \$18,695,250.00 for a duration of 18 months;** and authorizes the CEO to take such other action as may be necessary to accomplish the intent of this vote.

### BACKGROUND

GLWA's Sewer Conveyance System has approximately 130 miles of trunk sewers and 51 miles of interceptors. The Woodward Sewer System (WWSS) is an important trunk sewer located in GLWA's Central Sewer District and consists of five main segments totaling approximately 8 miles in length. WWSS, one of the oldest sewers in the City of Detroit (circa pre-1900), is generally of brick construction, and consists of various sizes and shapes. The WWSS is aligned with Woodward

Avenue in Highland Park (WW-100's) and Detroit (WS-100's and WS-200's), Michigan, from McNichols Road at the upstream end to the Detroit River Interceptor in downtown Detroit, flowing generally north to south. The WS-300's segment services an area east of Woodward Avenue and connects to the Woodward Sewer at Woodward Avenue and Chandler Street. The Woodward Extension sewer segment that serves an area west of Woodward Avenue in Highland Park is also a part of the WWSS.

### **JUSTIFICATION**

Pipeline Assessment and Certification Program (PACP) inspections for the WWSS consisting of Closed-Circuit Television (CCTV) were performed in 2017 and man-entry inspections were performed in 2019. The inspections identified leaks, defective taps, settled deposits, cracks, root intrusions, structural defects, and other defects that require repair to the sewers. These rehabilitation repairs are necessary to prevent structural failure of the trunk sewer, prevent further deterioration of the important trunk sewer, and extend the useful life of an important linear infrastructure asset. Chemical grouting repairs will be used to address most of the identified defects. A portion of the alignment will be slip-lined due to the need for more extensive structural rehabilitation. Heavy cleaning will remove settled sand, gravel, mud, and organic matter filling 20% to 30% of the pipe cross section in some locations.

### **FINANCIAL PLAN IMPACT**

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

**Funding Source:** Wastewater Construction Fund

**Cost Center:** Wastewater Field Engineering

**Expense Type:** Construction (5421-892411.000-616900-260207)

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

#### **Fiscal Year**

FY 2021 Plan	\$ 3,138,000.00
FY 2022 Plan	0.00
FY 2023 Plan	7,214,000.00
FY 2024 Plan	7,915,000.00
FY 2025 Plan	10,695,000.00
FY 2026 Plan	<u>11,547,000.00</u>
Financial Plan Estimate	\$40,509,000.00
Proposed Contract Award	<u>18,695,250.00</u>

Estimating Variance	\$21,813,750.00
---------------------	-----------------

This proposed contract is being funded from unallocated Program No. 260200 balances identified in FY 2022 - 2026 approved CIP.

### **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 May 12, 2021. The Operations and Resources Committee unanimously recommended that the GLWA Board adopt the resolution as presented, subject to receiving additional information regarding the proposed Florida based vendor's plan to perform the work in Michigan.

### **SHARED SERVICES IMPACT**

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