



Legislation Details (With Text)

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File created: 8/1/2023 **In control:** Board of Directors
On agenda: 8/23/2023 **Final action:** 8/23/2023
Title: Proposed Amendment No. 4
Contract No. 1802575
GLWA Conveyance System Engineering Services
CIP#: 260204/BCE Score: 78.3
Sponsors: Navid Mehram
Indexes: Wastewater Operations
Code sections:
Attachments:

Date	Ver.	Action By	Action	Result
8/23/2023	1	Board of Directors	Approved	Pass
8/9/2023	1	Operations and Resources Committee	Referred	Pass

Proposed Amendment No. 4
Contract No. 1802575
GLWA Conveyance System Engineering Services
CIP#: 260204/BCE Score: 78.3

Agenda of: August 23, 2023

Item No.: **2023-303**

Amount:	Original Contract	\$3,149,897.00
	Amendment No. 1	0.00
	Amendment No. 2	1,942,907.14
	Amendment No. 3	382,004.00
	Proposed Amendment No. 4	<u>1,951,452.00</u>
	Total Revised Contract	\$7,426,260.14

TO: The Honorable
Board of Directors
Great Lakes Water Authority

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

DATE: August 1, 2023

**RE: Proposed Amendment No. 4
Contract No. 1802575
GLWA Conveyance System Engineering Services
Vendor: Brown and Caldwell, LLC**

MOTION

Upon recommendation of Navid Mehram, Chief Operating Officer - Wastewater Operating Services, the Board of Directors (Board) of the Great Lakes Water Authority (GLWA), authorizes the Chief Executive Officer (CEO) to **enter into Contract No. 1802575, Proposed Amendment No. 4, “GLWA Conveyance System Engineering Services” with Brown and Caldwell, LLC, with an increased cost of \$1,951,452.00 for a total cost not to exceed \$7,426,260.14 and an increased duration of 221 days for a total duration of 2,048 days;** and authorizes the CEO to take such other action as may be necessary to accomplish the intent of this vote.

BACKGROUND

This contract was awarded to investigate, design, and rehabilitate two interceptors for GLWA. The interceptors include the Woodward Sewer System (WWSS) and the Connor Creek Sewer System (CCSS).

The WWSS is in the Central Sewer District and is approximately 8 miles in length. The WWSS is aligned with Woodward Avenue from McNichols Road at the upstream end to the Detroit River Interceptor in downtown Detroit. The sewer segment services an area east of Woodward Avenue and connects to the Woodward Sewer at Chandler Street. The WWSS Rehabilitation Project is under construction with Lanzo Construction (Lanzo) the prime contractor, for a current Contract value of \$18,695,250.00.

The CCSS is a major sewer on the east side of Detroit. It extends from 8 Mile Road west of Van Dyke Avenue to the intersection of Conner Street and Jefferson Avenue. The alignment is approximately 7 miles long and considering the multiple barrels in this system, the total length of sewer to be addressed by this project is over 60,000 feet. The CCSS Rehabilitation project is under construction with Oscar Renda Construction (ORC) as the prime contractor, for a current Contract value of \$49,576,196.00.

On April 5, 2020, Amendment No. 1 converted the lump sum tasks to task order line items. On August 6, 2021, Amendment No. 2, additional rehabilitation services on the WWSS and CCSS was incorporated. Amendment No. 3 dated January 4, 2022, for \$382,004.00 for the re-inspection of Connor Creek Sewer from 8 Mile Road to Connors pump station to evaluate damage and debris from the summer 2021 flooding events.

Additional fees are requested for necessary services to provide continuous support for the duration of the project. In addition to the timeline, some scope items have been added and additional resources are necessary to support both major construction projects. This includes Project Management (PM), Construction Administration (CA), Construction Engineering (CE), and Resident Project Representative (RPR) involvement.

JUSTIFICATION

The engineering support for the WWSS is \$986,348 for services including \$14,992.00 for material substitution requests, \$386,009.00 to hold weekly project meetings for the completion of the project in December 2023, \$565,500.00 to Extend RPR services on the project from March 2023 to the spring of 2024, and \$19,847.00 for contaminated soils analysis.

The engineering support for the CCSS is \$965,104.00 for services including \$41,778.00 for an additional access structure on the Stellantis property north of Connors Creek Pump Station, \$166,138.00 to support the RPR team from June 2023 to December 2024, \$35,688.00 for extension of PM services from August 2024 to April 2025, and \$721,500.00 in additional RPR services to match the level of effort being performed by ORC on the project.

Each of these additional services and their value were discussed and quantified by Brown and Caldwell in close review, by the GLWA Engineering team. GLWA finds the cost, services, and their scope to be necessary and fair to complete the two ongoing construction projects.

PROJECT MANAGEMENT STATUS

Original Contract Time	1,096 days (08/23/2019 to 08/22/2022)
Amendment No. 1	0 days
Amendment No. 2	731 days (08/23/2022 to 08/22/2024)
Amendment No. 3	0 days
Proposed Amendment No. 4	221 days (08/23/2024 to 03/31/2025)
New Contract Time	2,048 days (08/23/2019 to 03/31/2025)

PROJECT ESTIMATE

Original Contract Price	\$3,149,897.00
Amendment No. 1	0.00
Amendment No. 2	1,942,907.14
Amendment No. 3	382,004.00
Proposed Amendment No. 4	1,951,452.00
Total Revised Contract	\$7,426,260.14

FINANCIAL PLAN IMPACT

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

Funding Source: Wastewater Construction Bond

Cost Center: Field Engineering

Expense Type: Construction (5421-892411.000-617950-260204)

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

Original Contract Price	\$3,149,897.00
Amendment No. 1	0.00
Amendment No. 2	1,942,907.14
Amendment No. 3	382,004.00
Proposed Amendment No. 4	<u>1,951,452.00</u>
New Contract Total	7,426,260.14
Amended Financial Plan Estimate	<u>5,475,000.00</u>
Negative Estimating Variance	(\$1,951,260.14)

A budget amendment will be prepared to fund the negative estimating variance from capital reserves associated with this Proposed Amendment No. 4.

COMMITTEE REVIEW

This item was presented to the Operations and Resources Committee at its meeting on August 9, 2023. The Operations and Resources Committee unanimously recommended to refer this item to the full Board of Directors without a recommendation.

SHARED SERVICES IMPACT

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

