



Legislation Text

File #: 2024-086, Version: 1

Proposed Amendment No. 3
Contract No. GLWA-CS-168
Rehabilitation of Conveyance System Interceptors and Trunk Sewers
CIP #260205/BCE Score: 60.3

Agenda of: March 21, 2024

Item No.: **2024-086**

Amount:	Original Contract Price	\$2,999,986.00
	Amendment No. 1	1,509,950.00
	Amendment No. 2	175,780.39
	Proposed Amendment No. 3	95,000.00
	New Contract Total	\$4,780,716.39

TO: The Honorable
Board of Directors
Great Lakes Water Authority

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

DATE: February 28, 2024

RE: **Proposed Amendment No. 3**
Contract No. GLWA-CS-168
Rehabilitation of Conveyance System Interceptors and Trunk Sewers
Vendor: FK Engineering Associates

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. GLWA-CS-168, Proposed Amendment No. 3, “Rehabilitation of Conveyance System Interceptors and Trunk Sewers” with FK Engineering Associates, at an increased cost of \$95,000.00 for a total cost not to exceed \$4,780,716.39 with no increase in duration for a total contract duration of 2,922 days;** and authorizes the CEO to take such other action as may be necessary to accomplish the intent of this vote.

BACKGROUND

As part of general efforts to systematically inspect and address structural defects in the wastewater conveyance system, GLWA initiated GLWA-CS-168: Rehabilitation of GLWA Conveyance System Interceptor and Trunk Sewers. Under this contract, numerous outfalls, and several miles of the Northwest Interceptor (NWI) have been investigated. Assessments have led to several construction projects.

One of the projects identified was Contract No. 2102824 with LGC Global for rehabilitation of the NWI between 8 Mile Rd. and Tireman Rd. which ranges in diameter from 4 feet to 13 feet. The NWI has recently been the subject of two separate emergency repair efforts, both completed under CON-149, due to severe structural defects and near-collapse. Both areas of distress were just south of Tireman.

To facilitate sewer repairs, flow control structures at McNichols and Beaverland, Lahser and Dolson were required. GLWA rendered the services of FK Engineering for rehabilitation of the NWI.

JUSTIFICATION

The rehabilitation of the NWI project was originally scheduled to achieve final completion on March 22, 2024. However, the project has experienced delays and is currently anticipating completion on June 1, 2024. The construction extension is the result of utilizing a different flow control pattern during the construction than was established during design. This change from GLWA was ordered as the result of weather patterns during the construction period that had more frequent, smaller events. To mitigate the risk of potential system back up, the decision was made to have daily flow control instead of longer-term flow left in place as originally planned. The change in the flow control strategy increased the effort for the construction project, and thus extending the project to the above date.

To maintain continuity with the project, GLWA requests to extend the construction administration and inspection provided by FK Engineering to align with the project completion date identified above.

PROJECT MANAGEMENT STATUS

Original Contract Time	1,096 days (09/01/2017 - 08/31/2020)
Amendment No. 1	1,095 days (09/01/2020 - 08/31/2023)
Amendment No. 2	731 days (09/01/2023 - 08/31/2025)

Proposed Amendment No. 3 0 days
New Contract Time 2,922 days (09/01/2017 - 08/31/2025)

PROJECT ESTIMATE

Original Contract Price	\$2,999,986.00
Amendment No. 1	1,509,950.00
Amendment No. 2	175,780.39
Proposed Amendment No. 3	95,000.00
New Contract Total	\$4,780,716.39

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 (5421-892411.000-617950-260205)

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

Original Contract Price	\$ 2,999,986.00
Amendment No. 1	1,509,950.00

Amendment No. 2	175,780.39
Proposed Amendment No. 3	<u>95,000.00</u>
New Contract Total	4,780,716.39
Amended Financial Plan Estimate	<u>5,809,000.00</u>
Estimating Variance	\$ 1,028,283.61

COMMITTEE REVIEW

This item was presented to the Operations and Resources Committee at its meeting on March 13, 2024. 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.