



Legislation Details (With Text)

File #: 2023-494 **Version:** 1 **Name:**

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On agenda: 1/24/2024 **Final action:** 1/24/2024

Title: Proposed Change Order No. 5
Contract No. GLWA-CS-060
Study/Design of the Upgraded Sludge Conveyance System and Lighting Improvements at the Detroit Wastewater Treatment Plant
CIP #213007/BCE Score: 96.2

Sponsors: Navid Mehram

Indexes: Wastewater Operations

Code sections:

Attachments:

Date	Ver.	Action By	Action	Result
1/24/2024	1	Board of Directors	Approved	Pass
1/10/2024	1	Operations and Resources Committee	Recommended for Approval	Pass

Proposed Change Order No. 5
Contract No. GLWA-CS-060
Study/Design of the Upgraded Sludge Conveyance System and Lighting Improvements at the Detroit Wastewater Treatment Plant
CIP #213007/BCE Score: 96.2

Agenda of: January 24, 2024

Item No.: **2023-494**

Amount:	Original Contract	\$1,990,000.00
	Change Order No. 1	96,404.00
	Change Order No. 2	0.00
	Change Order No. 3	0.00
	Change Order No. 4	0.00
	Proposed Change Order No. 5	0.00
	Total Contract Amount	\$2,086,404.00

TO: The Honorable
Board of Directors
Great Lakes Water Authority

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

DATE: December 21, 2023

**RE: Proposed Change Order No. 5
Contract No. GLWA-CS-060
Study/Design of the Upgraded Sludge Conveyance System and Lighting
Improvements at the Detroit Wastewater Treatment Plant
Vendor: Black & Veatch Ltd. of Michigan**

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-060, Proposed Change Order No. 5, “Study/Design of the Upgraded Sludge Conveyance System and Lighting Improvements at the Detroit Wastewater Treatment Plant” with Black & Veatch Ltd. of Michigan, with no increase in cost for a total cost not to exceed \$2,086,404.00 and an increased duration of 366 days for a total duration of 3,200 days;** and authorizes the CEO to take such other action as may be necessary to accomplish the intent of this vote.

BACKGROUND

Black & Veatch Ltd. of Michigan was awarded the original contract for consultant services to restore sludge conveyance capacity lost due to the March 2016 fire damage while providing improved sludge conveyance from each dewatering facility to improve operations and minimize future risks. To achieve that goal, an evaluation study and design and construction assistance was needed.

On April 14, 2018, Black & Veatch was granted a contract Change Order No. 1 in an amount of \$96,404.00 for additional design and construction assistance activities, which increased the total contract value to \$2,086,404.00.

On May 26, 2021, Black & Veatch was granted a contract Change Order No. 2 to extend the contract time due to delays in the related construction contract, GLWA-CON-197, caused by unforeseen conditions and the COVID-19 pandemic.

On June 22, 2022, Black & Veatch was granted a contract Change Order No. 3 to extend the contract time due to equipment performance issues that were delaying completion of the related construction contract, GLWA-CON-197.

On July 31, 2023, Black & Veatch was granted a contract Change Order No. 4 to extend the contract time due to ongoing equipment performance issues and piping failures that were delaying completion of the related construction contract, GLWA-CON-197.

JUSTIFICATION

On October 23, 2023, construction Change Order No. 4 was issued to Weiss Construction Co. LLC the associated construction contract (GLWA-CON-197) extending the contract time for Final Completion to July 16, 2024. The extension of time was issued for the contractor to correct excessive sludge spillage from the new conveyors and replace leaking strainer backwash piping.

The extension of time is needed for alignment of the design contract with the construction contract. Furthermore, upon completion of the construction contract, the designer, Black & Veatch, will need additional time to prepare final O&M manuals and as-built record drawings, among other services.

PROJECT MANAGEMENT STATUS

Original Contract Time 914 days (04/29/2016 - 10/29/2018)

Change Order No. 1	974 days (10/30/2018 - 06/29/2021)
Change Order No. 2	366 days (06/30/2021 - 06/30/2022)
Change Order No. 3	365 days (07/01/2022 - 06/30/2023)
Change Order No. 4	215 days (07/01/2023 - 01/31/2024)
Proposed Change Order No. 5	366 days (02/01/2024 - 01/31/2025)
New Contract Time	3,200 days (04/29/2016 - 01/31/2025)

PROJECT ESTIMATE

Original Contract Price	\$1,990,000.00
Change Order No. 1	96,404.00
Change Order No. 2	0.00
Change Order No. 3	0.00
Change Order No. 4	0.00
Proposed Change Order No. 5	0.00
New Contract Total	\$2,186,404.00

FINANCIAL PLAN IMPACT

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

Funding Source: Sewer Construction Fund

Cost Center: Wastewater

Expense Type: Design (5421-892211.000-617950-213007)

This is a time extension change order. There will be no financial impact.

COMMITTEE REVIEW

This item was presented to the Operations and Resources Committee at its meeting on January 10, 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.