



Legislation Details (With Text)

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Title: Proposed Change Order No. 4
Contract No. GLWA-CON-250
Pumping Station No. 1 Rack & Grit and MPI 1 & Jefferson Sampling Stations Improvements
CIP # 211004

Sponsors: Navid Mehram

Indexes: Wastewater Operations

Code sections:

Attachments:

Date	Ver.	Action By	Action	Result
4/28/2021	1	Board of Directors	Approved	Pass
4/14/2021	1	Operations and Resources Committee	Recommended for Approval	Pass

Proposed Change Order No. 4

Contract No. GLWA-CON-250

Pumping Station No. 1 Rack & Grit and MPI 1 & Jefferson Sampling Stations Improvements

CIP # 211004

Agenda of: April 28, 2021

Item No.: **2021-126**

Amount:

Original Contract:	\$6,193,801.41
Change Order No. 1:	0.00
Change Order No. 2:	0.00
Change Order No. 3:	0.00
Proposed Change Order No. 4:	0.00
Total Revised Contract:	\$6,193,801.41

TO: The Honorable
Board of Directors
Great Lakes Water Authority

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

DATE: April 6, 2021

RE: Proposed Change Order No. 4

Contract No. GLWA-CON-250

Pumping Station No. 1 Rack & Grit and MPI 1 & Jefferson Sampling Stations Improvements

Vendor: Weiss Construction Company, LLC

Designer: Alfred Benesch & Company

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 GLWA-CON-250 Proposed Change Order No. 4 "Pumping Station No. 1 Rack & Grit and MPI 1 & Jefferson Sampling Stations Improvements" with Weiss Construction Company, LLC for no increase in cost, for a total cost not to exceed \$6,193,801.41 and an increased duration of 61 days to the final completion date for a total contract duration of 1247 days**, and authorizes the CEO to take such other action as may be necessary to accomplish the intent of this vote.

BACKGROUND

On November 13, 2013, the Detroit Water and Sewerage Department (DWSD) entered into Contract No. PC-789 (Pumping Station No.1 Rack and Grit and Main Plant Influent (MPI) 1 and Jefferson Sampling Stations Improvements) with Weiss Construction Company, LLC in the amount of \$20,335,000.00. It was an open competitive lowest bid contract.

Major elements of work of PC-789 Contract includes (but not limited to) the following:

PS -1 Rack & Grit (R&G) Building and New Building Additions:

- Replacement of the existing eight bar racks, sixteen grit collection units, screenings, and grit belt conveyors.
- Replacement of existing grit cross conveyors #1 and #2, grit flight conveyors #1 and #2 and screenings cross conveyor #2.
- Construction of new south off-load and north conveyor buildings including electrical, lighting, HVAC, and plumbing work.

MPI 1 Sampling Station:

- Replacement of two existing sample pumps and all related plumbing, electrical, I&C and HVAC work to ensure a functional sampling system.

Jefferson Sampling Station:

- Replacement of two existing sample pumps and all related plumbing, electrical, I&C and

HVAC work to ensure a functional sampling system.

On May 27, 2015, the Board of Water Commissioners approved Change Order No. 1, increasing the PC-789 contract amount by \$580,000.00 to bring the total contract amount to \$20,915,000.00.

On June 12, 2015, the City of Detroit and the GLWA entered into certain lease agreements which, in relevant part, assigned certain contracts to the GLWA, including this contract, effective January 1, 2016.

On August 21, 2017, GLWA approved a second change order to the contract increasing the time duration by 183 calendar days with no additional funds to allow time for a third-party investigation. Because of the challenges with quantifying grit removal and the complex hydraulics of the grit channels, the third-party expert's results were inconclusive regarding pre and post construction grit collection efficacy. However, the expert opinions were invaluable in increasing GLWA's ability to understand the complex properties of the grit removal system and identify and implement low cost, minor modifications to the bucket design which has shown to have significantly improved grit removal efficacy.

On January 30, 2018, the DWSD PC-789 Contract was transitioned to GLWA CON-250 Contract. The required substantial and final completion dates of the CON-250 Contract were March 22, 2019 and September 22, 2019, respectively.

Separate substantial completions were declared for major equipment/systems for the beneficial use by GLWA. Eventually, the project substantial completion was achieved on June 10, 2019.

During construction, changes were made to the proposed conveyor system installation. Screening conveyors 1 & 2 were eliminated. As a result of the elimination, changes were required to be made to the fire protection system. These changes required documentation be sent to the City of Detroit Fire Department for their review and approval. The fire protection system modifications required a time extension to the Contract.

On August 28, 2019, GLWA Board of Directors approved CON-250 Change Order No. 1 extending the CON-250 final completion date from September 22, 2019 to March 20, 2020 for addressing the fire protection system modifications.

On April 22, 2020, GLWA Board of Directors approved CON-250 Change Order No. 2 extending the CON-250 final completion date from March 20, 2020 to October 30, 2020 for performing the construction work of the modified fire protection system.

On October 28, 2020, GLWA Board of Directors approved CON-250 Change Order No. 3 extending

the CON-250 final completion date from October 30, 2020 to April 30, 2021 for completing the construction work of the modified fire protection system affected by COVID-19.

JUSTIFICATION

Because of the COVID-19 impacts, the fire protection system modification work in the R&G building could not be completed as scheduled. A majority of the construction for the fire protection system modification work, such as relocation of the deluge system, delivery of parts of the fire protection system followed by installation of the modified fire protection system have been completed. Items remain to be completed includes delivery and installation of the conveyor chute (delivery of the material was impacted for COVID-19), startup/testing/commissioning of the modified fire protection system followed by final inspection and approval by the Fire Marshall, and closeout documentation. By way of this proposed change order, we are requesting to extend the Contract final completion time by 61 days to June 30, 2021. This proposed Change Order No. 4 is a no-cost time extension Change Order and therefore, no additional money is requested in this change order.

PROJECT MANAGEMENT STATUS

Original Final Contract Time:	600 days
Original Required Substantial Completion Time:	416 days
Revised/Actual Substantial Completion Time:	496 days
Revised Final Completion Time (CO-1):	180 days
Revised Final Completion Time (CO-2):	224 days
Revised Final Completion Time (CO-3):	182 days
Proposed Final Completion Time (CO-4):	61 days
New Contract Time:	1247 days

PROJECT ESTIMATE

Original Contract Price:	\$6,193,801.41
Change Order No. 1:	0.00
Change Order No. 2:	0.00
Change Order No. 3:	0.00
Proposed Change Order No. 4:	<u>0.00</u>
New Contract Total:	\$6,193,801.41

FINANCIAL PLAN IMPACT

Capital Improvement Plan: The CIP budget for CIP # 211004 is \$6,193,801.41. GLWA-CON-250 original contract value is \$6,193,801.41. This is a no-cost, time extension change order, therefore, this proposed Change Order has no budget impact to the capital improvement plan.

COMMITTEE REVIEW

This item was presented to the Operations and Resources Committee at its meeting on April 14, 2021. 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.