



## Legislation Details (With Text)

**File #:** 2023-035      **Version:** 1      **Name:**  
**Type:** Resolution      **Status:** Passed  
**File created:** 1/27/2023      **In control:** Board of Directors  
**On agenda:** 2/22/2023      **Final action:** 2/22/2023  
**Title:** Proposed Change Order No. 1  
Contract No. 2002190  
Rehabilitation of Ferric Chloride Feed System and Sludge Lines  
CIP #211008 / BCE Score: 78.30  
**Sponsors:** Navid Mehran  
**Indexes:** Wastewater Operations  
**Code sections:**  
**Attachments:**

Date	Ver.	Action By	Action	Result
2/22/2023	1	Board of Directors	Approved	Pass
2/8/2023	1	Operations and Resources Committee	Recommended for Approval	Pass

### Proposed Change Order No. 1

**Contract No. 2002190**

**Rehabilitation of Ferric Chloride Feed System and Sludge Lines**

**CIP #211008 / BCE Score: 78.30**

**Agenda of:** February 22, 2023

**Item No.:** **2023-035**

**Amount:** Original Contract      \$9,839,000.00  
Proposed Change Order No. 10.00  
Total Contract Amount      \$9,839,000.00

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

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

**DATE:** January 27, 2023

**RE:** **Proposed Change Order No. 1**  
**Contract No. 2002190**

## **Rehabilitation of Ferric Chloride Feed System and Sludge Lines**

### **Vendor: Weiss Construction Co., 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. 2002190, Proposed Change Order No. 1, "Rehabilitation of Ferric Chloride Feed System and Sludge Lines" with Weiss Construction Co., LLC, with no increase in cost for a total cost of \$9,839,000.00 and an increased duration of 244 days, for a total duration of 975 days;** and authorizes the CEO to take such other action as may be necessary to accomplish the intent of this vote.

#### **BACKGROUND**

On April 5, 2021, Great Lakes Water Authority issued notice to proceed to Weiss Construction Co., LLC. The project is intended to improve reliability of the ferric chloride feed system at Pump Station No. 1 and the thickened waste activated sludge (TWAS) piping between Complex B and Complex A at the Water Resource Recovery Facility (WRRF). The scope of work includes replacement of the existing ferric chloride feed system with new pumps and appurtenances, new ferric chloride storage tank and appurtenances, and modification of the TWAS pipeline at Complex B.

As of this Board letter, chemical facility rehabilitation is nearing completion with the new tank, pumps and much of the piping for the ferric chloride system installed. Significant portions of the temporary TWAS piping are complete, but the remainder of the TWAS work is delayed due to the extremely long period that has been required to obtain a Conrail permit to allow installation below the rail spur that crosses the WRRF site. Completion of this temporary TWAS piping is required so that the permanent TWAS line can be removed from service for chemical cleaning.

#### **JUSTIFICATION**

Jack and bore work required for installation of the temporary TWAS line under the Conrail spur track (across the WRRF site) was delayed due to changes in Conrail's requirements and subsequent delays in obtaining a permit for work within the Conrail right-of-way. The Contractor's schedule required this work to start by May 18, 2022. Eleven months in advance, the Contractor submitted a draft permit application to Conrail on June 25, 2021. On November 1, 2021, Conrail identified two revised standards that required revision of permit documents. After many resubmittals and substantial delays in review by Conrail, a permit was finally obtained on December 19, 2022. As a result of the delays, the jack and bore work will not begin until February or March of 2023.

The Contractor submitted a time impact analysis requesting a 259-day extension of the Contract Substantial Completion date due to the Conrail delays. Based on analysis of the contractor's latest schedule submittal and updated information regarding subcontractor availability, GLWA staff and the Contractor have tentatively agreed on a 244-day time extension. This will provide time for the Contractor to complete the jack and bore work and allow all remaining work to proceed.

Given delays due to obtaining the railroad permit were not within the control of the Contractor, they are entitled to a non-compensable time extension of 244-calendar days. This 244-day time extension will apply to substantial completion and final completion.

#### **PROJECT MANAGEMENT STATUS**

Original Contract Time                      731 days (04/05/2021 - 04/05/2023)

Proposed Change Order No. 1    244 days (04/06/2023 - 12/05/2023)

New Contract Time 975 days (04/05/2021 - 12/05/2023)

**PROJECT ESTIMATE**

Original Contract Price	\$9,839,000.00
Proposed Change Order No. 1	0.00
New Contract Total	\$9,839,000.00

**FINANCIAL PLAN IMPACT**

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

**Funding Source:** Construction Bond Fund

**Cost Center:** Wastewater

**Expense Type:** Construction (5421-892211.000-616900-211008)

This proposed Changed Order No. 1 is for time extension only and has no impact on financial plan.

**COMMITTEE REVIEW**

This item was presented to the Operations and Resources Committee at its meeting on February 8, 2023. 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.