



## Legislation Details (With Text)

**File #:** 2021-477      **Version:** 1      **Name:**

**Type:** Resolution      **Status:** Passed

**File created:** 12/1/2021      **In control:** Board of Directors Workshop Meeting

**On agenda:** 12/8/2021      **Final action:** 12/8/2021

**Title:** Proposed Change Order No. 1  
Contract No. 1903598  
Construction Manager at Risk for the Assessment and Rehabilitation of Water Resource Recovery Facility (WRRF) Yard Piping and Underground Utilities  
CIP #216006

**Sponsors:** Navid Mehram

**Indexes:** Wastewater Operations

**Code sections:**

**Attachments:**

Date	Ver.	Action By	Action	Result
12/8/2021	1	Board of Directors Workshop Meeting	Approved	Pass
12/8/2021	1	Operations and Resources Committee	Recommended for Approval	Pass

**Proposed Change Order No. 1**  
**Contract No. 1903598**  
**Construction Manager at Risk for the Assessment and Rehabilitation of Water Resource Recovery Facility (WRRF) Yard Piping and Underground Utilities**  
**CIP #216006**

Agenda of: December 8, 2021

Item No.: **2021-477**

Amount:	Original Contract	\$4,863,051.00
	Proposed Change Order No.1	685,450.00
	Total Revised Contract	\$5,548,501.00

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

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

**DATE:** December 1, 2021

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

**Contract No. 1903598  
Construction Manager at Risk for the Assessment and Rehabilitation of Water  
Resource Recovery Facility (WRRF) Yard Piping and Underground Utilities  
Vendor: The Christman 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 Interim Chief Executive Officer (ICEO) to **enter into Contract No. 1903598, Proposed Change Order No. 1 “Construction Manager at Risk for the Assessment and Rehabilitation of WRRF Yard Piping and Underground Utilities” with The Christman Company, at an increased cost of \$685,450.00 for a total cost not to exceed \$5,548,501.00, with no increase in duration;** and authorizes the ICEO to take such other action as may be necessary to accomplish the intent of this vote.

**BACKGROUND**

GLWA awarded Contract No.1903598 (Construction Manager at Risk for the Assessment and Rehabilitation of WRRF Yard Piping and Underground Utilities) to The Christman Company with a start work date of January 15, 2021. This Contract is divided into several phases and currently, the contract is in the study/investigation phase. The study phase is expected to be completed by January 2022 and the design phase is expected to be completed by March 2023. The Contract price for Contract No. 1903598 is \$4,863,051.00.

The Contract services will locate, clean, inspect, and test the condition of the existing buried process support utility piping systems (potable, secondary, and screened final effluent water services, steam piping, compressed air, natural gas, sewer systems, and underground electrical duct banks) located on the WRRF site. From the information and testing data gathered, a condition assessment will be performed to determine the need for rehabilitation or replacement of the buried utility piping systems.

The Contract established a study allowance for the procurement of subcontractors in the amount of \$1,500,000.00 to undertake the investigative and exploratory work of the condition assessment. So far, condition assessment services have been performed in the total amount of \$1,485,925.00.

For a complete condition assessment of the underground utilities, two more services are still needed. Tethered CCTV pipe inspection in the amount of \$310,000.00 and additional sewers cleaning in the amount of \$75,000.00. To avoid further delay, the above two services were authorized in Construction Change Directive “E” for \$385,000.00 funded from the total project allowance for construction services that was slated to be used in other phases of the Contract.

Finally, the Contractor’s original general conditions were calculated based on the original allowance amounts.

**JUSTIFICATION**

This Proposed Change Order No. 1 seeks to secure additional funding to replenish the project allowance for construction services and to complete the condition assessment of the underground utilities as follows:

1. \$385,000.00 to replenish the project allowance for construction services.

2. Not to Exceed (NTE) \$130,450.00. This amount represents the Contractor's request for the general conditions cost associated with the additional condition assessment work as well as a 5% fee of the cost.
3. Not to Exceed (NTE) \$170,000.00. This amount is suggested as a GLWA Contingency to undertake any unexpected/unforeseen conditions. The unused money from items 2 and 3 will be credited back to GLWA via a future change order.

The total value of this Proposed Change Order No. 1 is \$685,450.00.

**PROJECT MANAGEMENT STATUS**

Original Contract Time for Study/Design:	792 days (1/15/21-3/17/23)
Proposed Change Order No.1:	0 days
New Contract Time:	792 days (1/15/21-3/17/23)

**PROJECT ESTIMATE**

Original Contract Price:	\$4,863,051.00
Proposed Change Order No. 1:	685,450.00
New Contract Price:	\$5,548,501.00

**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:** Construction (5421-892211.000-616900-216006)

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

Original Contract Price:	\$ 4,863,051.00
Proposed Change Order No.1:	685,000.00
New Contract Total:	\$5,548,501.00
Amended Financial Plan Estimate:	<u>\$21,000,000.00</u>
Balance reserved for construction:	\$15,451,499.00

**COMMITTEE REVIEW**

This matter was presented to the Operations and Resources Committee at its meeting on December 8, 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.