



Legislation Details (With Text)

File #: 2023-150 **Version:** 1 **Name:**
Type: Resolution **Status:** Passed
File created: 4/21/2023 **In control:** Board of Directors
On agenda: 5/24/2023 **Final action:** 5/24/2023
Title: Proposed Change Order No. 2
Contract No. 1900516
Energy Management: Freeze Protection Pump Installation at Imlay Pump Station
CIP #132007 / BCE Score: 35.10
Sponsors: Cheryl Porter
Indexes: Water Operations
Code sections:
Attachments:

Date	Ver.	Action By	Action	Result
5/24/2023	1	Board of Directors	Approved	Pass
5/10/2023	1	Operations and Resources Committee	Recommended for Approval	Pass

Proposed Change Order No. 2

Contract No. 1900516

Energy Management: Freeze Protection Pump Installation at Imlay Pump Station

CIP #132007 / BCE Score: 35.10

Agenda of: May 24, 2023

Item No.: **2023-150**

Amount:	Original Contract	\$4,994,000.00
	Change Order No. 1	0.00
	Proposed Change Order No. 2	50,000.00
	Total Revised Contract	\$5,044,000.00

TO: The Honorable
Board of Directors
Great Lakes Water Authority

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

DATE: April 28, 2023

RE: Proposed Change Order No. 2
Contract No. 1900516
Energy Management: Freeze Protection Pump Installation at Imlay Pump Station
Vendor: Commercial Contracting Company

MOTION

Upon recommendation of Cheryl Porter, Chief Operating Officer - Water and Field Services, the Board of Directors (Board) of the Great Lakes Water Authority (GLWA), authorizes the Chief Executive Officer (CEO) to **enter into Contract No. 1900516 Proposed Change Order No. 2, "Energy Management: Freeze Protection Pump Installation at Imlay Pump Station" with Commercial Contracting Company, at an increased cost of \$50,000.00 for a total cost not to exceed \$5,044,000.00 and an increased duration of 91 days for a total duration of 1,277 days;** and authorizes the CEO to take such other action as may be necessary to accomplish the intent of this vote.

BACKGROUND

GLWA Contract No. 1900516, Energy Management: Freeze Protection Pump Installation at Imlay Pump Station is a design build contract that involves the design, construction, and resident project representation services at the Imlay Booster Station. This project includes demolition of the existing reservoir/line pumping unit, P3, and associated variable frequency drive (VFD), piping, valves, and appurtenances. In addition, installation of a new pumping unit, freeze protection pump (FPP) and associated VFD, piping, valves, and appurtenances. The work is 95% complete and will achieve the substantial completion on May 5, 2023.

This proposed change order is requesting additional time and money to be added into the contract for the following reasons:

- Cone Valve Control Panel Redesign - The cone valve control panel installed for the new pump was designed per the record documents for Imlay Booster Station which were not conducive for the existing operational conditions. This additional cost will be added to the allowance to cover the demolition and reconstruction of the cone valve control panel to match the existing panels on site for ease of operation and safety. At an estimated cost of \$15,500.
- Vibration Analysis - Funds will be added to the allowance to cover the cost of a vibration analysis, should the pump experience vibration issues during start-up. At an estimated cost of \$30,800.
- Unforeseen Circumstances - Additional funds will be added to the allowance for the duration of the project. At an estimated cost of \$3,700.
- Final Completion: Currently this project only has 3 months allotted for Project Closeout. An additional 3 months will be added to the contract to accommodate the time necessary for proper contract closeout. Substantial completion will remain the same.

JUSTIFICATION

The design build contract needs additional funds added to the provisional allowance and an extension of 91 days due to requests by field services and operations, potential unforeseen conditions, and to provide the necessary time for project

closeout.

PROJECT MANAGEMENT STATUS

Original Contract Time	820 days	(06/01/2020 - 08/30/2022)
Change Order No. 1	366 days	(08/31/2022 - 08/31/2023)
Proposed Change Order No. 2	91 days	(09/01/2023 - 11/30/2023)
New Contract Time	1,277 days	(06/01/2020 - 11/30/2023)

PROJECT ESTIMATE

Original Contract Price	\$4,994,000.00
Change Order No. 1	0.00
Proposed Change Order No. 2	50,000.00
New Contract Total	\$5,044,000.00

FINANCIAL PLAN IMPACT

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

Funding Source: Water Construction Bond

Cost Center: Field Engineering

Expense Type: Construction (5519-882411.000-616900-132007)

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

Original Contract Price	\$ 4,994,000.00
Change Order No. 1	0.00
Proposed Change Order No. 2	50,000.00
New Contract Total	5,044,000.00
Amended Financial Plan Estimate	<u>5,534,000.00</u>
Estimating Variance	\$ 490,000.00

COMMITTEE REVIEW

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