



## Legislation Details (With Text)

**File #:** 2020-153      **Version:** 1      **Name:**  
**Type:** Resolution      **Status:** Passed  
**File created:** 4/30/2020      **In control:** Board of Directors  
**On agenda:** 5/27/2020      **Final action:** 5/27/2020  
**Title:** Proposed Change Order No. 2  
Contract No. 1803483 (2001186)  
Design Build Roof Replacement at Various Water Facilities  
CIP# 171501 / BCE Score: 42  
**Sponsors:** Cheryl Porter, Grant Gartrell  
**Indexes:** Water Operations  
**Code sections:**  
**Attachments:**

Date	Ver.	Action By	Action	Result
5/27/2020	1	Board of Directors	Approved	Pass
5/13/2020	1	Operations and Resources Committee	Recommended for Approval	Pass

### Proposed Change Order No. 2

### Contract No. 1803483 (2001186)

### Design Build Roof Replacement at Various Water Facilities

### CIP# 171501 / BCE Score: 42

Agenda of: May 27, 2020

Item No.: **2020-153**

Amount:	Original Contract	\$3,031,089.32
	Change Order No. 1	0.00
	Proposed Change Order No. 2	177,400.00
	Total Revised Contract	\$3,208,489.32

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

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

**DATE:** May 1, 2020

**RE: Proposed Change Order No. 2**  
**Contract No. 1803483 (2001186)**  
**Design Build Roof Replacement Various Water Facilities**  
**Vendor: Schreiber Corporation**

### **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. 1803483 (2001186) Proposed Change Order No. 2 “Design Build Roof Replacement Various Water Facilities” with Schreiber Corporation, at an increased cost of \$177,400.00 for a total cost not to exceed \$3,208,489.32, and no increase in duration for a total duration of 311 days;** and authorizes the CEO to take such other action as may be necessary to accomplish the intent of this vote.

### **BACKGROUND**

A comprehensive condition assessment of water pumping station, sewage lift station and water treatment plant building roofs were completed by Testing Engineers and Consultants (TEC) in 2016 under GLWA Contract No. CS-1674. A total of 268 individual roofs measuring nearly 1.7 million square feet were assessed at the 19 water pumping stations, 11 sewage lift stations and 5 water treatment plants. Roof conditions were lumped into 1 of 4 categories. Category 1 includes those roofs that have failed and require immediate replacement. Category 2 includes those roofs that should be replaced within the next 5 years. Category 3 includes those roofs that are in fair condition with a projected remaining service life of 6 to 10 years. Lastly, Category 4 includes those roofs that are in good to excellent condition with remaining service life greater than 11 years.

There are contracts in place to address all Category 1 and 2 roofs. Imlay Pump Station, a Category 3 roof, has worsened in condition requiring an escalation in the timetable for addressing this roof.

### **JUSTIFICATION**

Imlay Pumping Station was considered a Category 3 roof. Based on this, it was not included in the current scope of work under GLWA Contract No. 1803483 “Roof Replacement of Various Water Facilities.” Recently, Water Engineering was informed there were miscellaneous leaks in two roofs at the Imlay Pumping Station, including the Electrical Switchgear Room roof and the Variable Frequency Drive Room roof totaling roughly 11,224 square feet of replacement. Both roofs with leaks are over high-voltage electrical switchgear and some of the variable frequency drives. The roof covering this area should be replaced in its entirety as soon as possible to protect the electrical gear inside the station. The change order price established \$15.80 per square foot of replacement at Imlay Station. In comparison to the worst roof identified in the assessment, Franklin Booster Pump Station (base contract scope) included replacement of roughly 10,000 square feet of built up roof being constructed at a unit rate of \$24.90. This change order price includes mobilization, demobilization, removal, and replacement of the existing built-up roofing system at Imlay Pumping Station, including the manufacturer's 20-year warranty.

### **PROJECT MANAGEMENT STATUS**

Original Contract Time	180 days
Change Order No. 1	131 days

Proposed Change Order No. 2            0 days

New Contract Time                        311 days

**PROJECT ESTIMATE**

Original Contract Price	\$3,031,089.32
Change Order No. 1	0.00
Proposed Change Order No. 2	177,400.00
New Contract Total	\$3,208,489.32

**FINANCIAL PLAN IMPACT**

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

**Funding Source:** Water Construction Bond

**Cost Center:** Water Engineering

**Expense Type:** Construction (5519-882111.000-616900-171501)

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

**Fiscal Year**

Original Contract Price	\$3,031,089.32
Proposed Change Order No. 2	<u>177,400.00</u>
New Contract Total	\$3,208,489.32
Amended Financial Plan Estimate	<u>3,031,089.32</u>
Negative Estimating Variance	\$ (177,400.00)

This negative estimating variance to be funded from capital reserves.

**COMMITTEE REVIEW**

This item was presented to the Operations and Resources Committee at its meeting on May 13, 2020. 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.