

**SECTION 00806**

**CHANGE ORDER**

No. 001

DATE OF ISSUANCE **May 11, 2021**

EFFECTIVE DATE \_\_\_\_\_

OWNER **St. Charles Parish Government (Department of Public Works & Wastewater)**

CONTRACTOR **Volute, Inc.**

Contract: **S190901**

Project: **Destrehan Wastewater Treatment Plant Improvements**

OWNER's Contract No. **S190901**

ENGINEER's Contract No. **A19-020**

ENGINEER **AIMS Group, Inc.**

You are directed to make the following changes in the Contract Documents:

**Description:**

1. Delete the Following Work Items:

- a. Contract Item #: *None*

Total of Deducted Items = *(-\$0.00)*

2. Add the Following Work Items:

- a. New Contract Item #: *022 – Weir Modifications – Change Order No. 1 (\$6,529.59)*  
b. New Contract Item #: *023 – Baffle Wall Modifications – Change Order No. 1 (\$5,800.47)*  
c. New Contract Item #: *024 – Replace Existing Transformers - Change Order No. 1 (\$10,377.52)*

3. Revise the Following Work Item Quantities:

- a. Contract Item #:

Total of Change in Work Items Quantity = *(+\$22,707.58)*

**Reason for Change Order:**

1. Deleted Work Items

- a. None.

2. Add Work Items

- a. There were differences in the Weir Wall design between the Bid Plans and the Trojan UV Submittal Package, which was received after award of the contract. The Bid Plans incorporated the Trojan design which they subsequently changed just prior to purchase of equipment. The differences are as follows:

- Trojan weir design must be a trough design as shown on the layout. The site requires three (3) troughs of 36” high x 9” wide x 110” long to achieve the 5.50” Head-Over-Weir (HOW). The bid drawings show a trapezoidal two (2) finger weir design at approximately 19” high x 44” wide x 77” long and it will not perform as required. The HOW will be much higher.
- The three (3) trough design will require 12” thick x 72” high x full channel width concrete wall, with three (3) cut-outs, each 9” wide x 44.5” high for mounting the troughs. The bid drawings show the trapezoidal two (2) finger weir sitting directly on top of a concrete slab. There were not cut-outs required in the bid drawings.
- The weir troughs will require four (4) support beams, provided by the Contractor, spanning the channel width as per the latest Trojan layouts. The bid drawings show the trapezoidal two (2) finger weir being supported by concrete.

The revised Weir Design that is required based on the Trojan UV Submittal Package is much more labor intensive and the Contractor is anticipating an additional cost.

- b. Additionally, the Baffle Wall details in the Bid Plans, as provided by Trojan UV, were unclear. The Contractor requested clarification regarding anchoring and reinforcement for the required Baffle Wall. After the Contractor had reviewed the details provided by the Engineer, the Contractor determined the installation of the anchoring system and reinforcement for the Baffle Wall required in the Trojan UV Submittal Package would be more labor intensive than they anticipated according to the information provided by Trojan UV in the Bid Plans and are requesting additional compensation.
- c. The existing transformers that were to be reused for the project (See Note 2 on Sheet No. 10) were not in good working condition. The existing transformer boxes have a lot of corrosion that will necessitate additional work to adequately provide wired connections. Based on the current condition of the transformers, St. Charles Parish has elected to have the Contractor provide a cost and time frame for replacing the existing transformers with new ones. Volute and their subcontractor Kevin Clark have provided a cost of \$10,377.52 with a delivery time of approximately 1 week, once the manufacturer releases the equipment. There should not be any additional contract days required.

Attachments: (List documents supporting change) Cost Breakdown and Quote from Volute, Inc.

- 3. Revise Work Item Quantities
  - a. None

**Attachments:**

Over-Under Tabulation for the Project


| CHANGE IN CONTRACT PRICE:  |
|--|
| Original Contract Price<br>\$ 342,887.00                                   |
| Net Increase (Decrease) from previous Change Orders No. 0 to 1:<br>\$ 0.00 |
| Contract Price prior to this Change Order:<br>\$ 342,887.00                |
| Net increase (decrease) of this Change Order:<br>\$ 22,707.58              |
| Contract Price with all approved Change Orders:<br>\$ 365,594.58           |

| CHANGE IN CONTRACT TIMES:   |
|---|
| Original Contract Times:<br>Substantial Completion: 180 days or March 30, 2021<br>Ready for final payment: 210 days or April 29, 2021<br>(days or dates)                      |
| Net change from previous Change Orders No. 0 to No. 1:<br>Substantial Completion: 0<br>Ready for final payment: 0<br>(days)   |
| Contract Times prior to this Change Order:<br>Substantial Completion: 180 days or March 30, 2021<br>Ready for final payment: 210 days or April 29, 2021<br>(days or dates)    |
| Net increase (decrease) this Change Order:<br>Substantial Completion: 14<br>Ready for final payment: 14<br>(days)   |
| Contract Times with all approved Change Orders:<br>Substantial Completion: 194 days or April 13, 2021<br>Ready for final payment: 224 days or May 13, 2021<br>(days or dates) |

RECOMMENDED:

APPROVED:

ACCEPTED:

By:   
ENGINEER (Authorized Signature)

By: \_\_\_\_\_  
OWNER (Authorized Signature)

By: \_\_\_\_\_  
CONTRACTOR (Authorized Signature)

Date: 5/11/21

Date: \_\_\_\_\_

Date: \_\_\_\_\_



Re: **Description**  
**Build one foot thick concrete wall**  
**inside existing trough**

**Materials:**

| <b>Quan.</b> | <b>Description</b>                 | <b>Units</b> | <b>Totals</b>              |
|--------------|------------------------------------|--------------|----------------------------|
| 33           | #4 Rebar                           | \$0.75       | \$24.67                    |
| 153          | #5 Rebar                           | \$1.02       | \$156.60                   |
| 3            | Red Head C6+                       | \$49.47      | \$148.41                   |
| 1            | Stainless Steel C4x5.4             | \$1,021.89   | \$1,021.89                 |
| 1            | Stainless Steel 4" x 1/4" flat bar | \$253.15     | \$253.15                   |
| 1            | Stainless Steel Anchors pack of 20 | \$99.29      | \$99.29                    |
|              |                                    |              | Material Costs \$1,704.00  |
| Sales Tax    |                                    |              | 9.45% \$161.03             |
|              |                                    |              | Total Materials \$1,865.03 |

**Labor:**

|                                  | <b>Men</b> | <b>Hours Each</b> | <b>Man-hours</b> |
|----------------------------------|------------|-------------------|------------------|
| Hammer Drill Holes and Set Hooks | 2          | 5                 | 10.00            |
| Tie Steel                        | 3          | 10                | 30.00            |
| Fabricate C4x5.4 supports        | 2          | 10                | 20.00            |
| Install C4 x 5.4 Supports        | 3          | 8                 | 24.00            |
| Extra Form Work                  | 3          | 10                | 30.00            |
|                                  | 0          | 0                 | 0.00             |
|                                  | 0          | 0                 | 0.00             |
|                                  |            |                   | 114.00           |

|                  | <b>Man-hours</b> | <b>Avg. Rate</b> | <b>Totals</b>          |
|------------------|------------------|------------------|------------------------|
|                  | 114.00           | \$28.00          | \$3,192.00             |
| Payroll Burden   |                  | 60%              | \$1,915.20             |
| Travel & Lodging |                  | 8%               | \$255.36               |
|                  |                  |                  | Total Labor \$5,362.56 |

**Equipment Rental:**

|                   | <b>Days</b> | <b>Rate per day</b> | <b>Totals</b>                   |
|-------------------|-------------|---------------------|---------------------------------|
| Hammer Drill      | 2           | \$55.00             | \$110.00                        |
| Hammer Drill Bits | 2           | \$65.00             | \$130.00                        |
|                   |             |                     | Total Equipment Rental \$240.00 |

**Subcontractors:**

|                          |            |
|--------------------------|------------|
|                          | \$0.00     |
| Total General Con. Costs | \$7,467.59 |
| Total Subcontractor Cost | \$0.00     |

|   |                   |
|---|-------------------|
| <b>Total ADD Change Order Required</b>  | <b>\$7,467.59</b> |
| <b>Credit</b>                           | \$938.00          |
| <u>Change Order Required for Baffle</u> | \$6,529.59        |



