

CHANGE ORDER(s)

AND /OR

LETTER(s) OF EXTENSION

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**CONTRACT CHANGE ORDER NO. 002
DATED JANUARY 24, 2018**

FILED WITH CONTRACT #34503

(BITECH CONSTRUCTION COMPANY, INC)



City of Long Beach Memorandum
Working Together to Serve

Date: 1/24/18
To: Sean Crumby, Deputy Director of Public Works
From: Eric Lowe, Chief Construction Inspector
Subject: **CONTRACT CHANGE ORDER TRANSMITTAL MEMO**

PROJECT: Willow Springs Wetlands Restoration
CONTRACTOR: Bitech Construction Company
CCO#: 2

ORIGINATED FROM: Project Development

SOURCE OF FUNDING: CIP Projects

REASON: See Attached

COST (CCO#): \$ 62,949.32

TOTAL AMOUNT OF
CCO'S TO DATE
(INCLUDING PROPOSED) \$ 73,090.32

ORIGINAL CONTRACT: \$ 1,371,926.00

APPROVED
CONTINGENCY (10%) \$ 137,192.60

ORIGINAL CONTRACT
+ CONTINGENCY
(NOT TO EXCEED) \$ 1,509,118.60

PERCENT (%) OF
ORIGINAL CONTRACT
AMOUNT 5.33%

OFFICE OF THE CITY MANAGER
CITY OF LONG BEACH
LONG BEACH, CA 90802

CONTRACTOR NAME Bitech Construction Company
ADDRESS 5241 Lincoln Avenue, Suite A-6
ADDRESS Cypress, CA 90630

DATE: 01/11/2018
R-7063
CONTRACT NO.: 34503
PROGRAM NO.: PW000000

PROJECT: Willow Springs Wetlands Restoration

CONTRACT: CHANGE ORDER AUTHORIZATION NO. 02

PART 1 REASON FOR CHANGE

- 1.1 Change order required for removing an existing chain link fence at the detention basin. This existing fence was not noted on the plans for removal and is considered additional work.
- 1.2 Change order required for importing of Bio Soils to fill the detention basin. Because the soils onsite were not suitable for use as Bio Soils, the Contractor was asked to blend the material and have it hauled onto the project.
- 1.3 Change order required for spare photovoltaic panels for the shade structure detailed un Line Item No. 11. Panels were delivered and an invoice for the cost was provided.
- 1.4 Change order required for adding irrigation and slope protection at the water feature to protect hardscape and fountain details. The effort used extra plants already purchased for the project.
- 1.5 Change order required for modification made to the concrete vault that was used to house the solar pump. The vault needed to be modified to allow the installation and proper operation of this equipment.
- 1.6 Change order required to install gravel bags along the drive approach into the bottom of the detention basin. The bags were used to provide a barrier for the newly installed bio-soils so they would not foul the drive approach and allow for trucks to enter and perform maintenance within the basin.
- 1.7 Change order required to purchase and install a new lock for the upper gate of the new fence at the detention basin. The previous lock was vandalized and had to be replaced.
- 1.8 Change order required for clearing and grubbing efforts to occur prior to placement of the hydro-seed materials. Because it had been several months since the areas were cleared, weeds and other materials had accumulated and had to be removed for proper application of the hydroseed materials.
- 1.9 Change order was required to repair the oil line damaged along the main irrigation trench in February 2017. This work was performed on T&M by RP Vittitow.

PART 2 DESCRIPTION OF CHANGE

2.1 PCO 05 Removing an existing chain link fence at the detention basin. This existing fence was not noted on the plans for removal and is considered additional work. The Contractor provided a cost and the work was agreed upon and performed as a lump sum value which was reviewed and subsequently approved by the City.

Additional Cost

\$ 4,315.44

2.2 PCO 08 - Importing of Bio Soils to fill the detention basin. Because the soils onsite were not suitable for use as Bio Soils, the Contractor was asked to blend the material and have it hauled onto the project. The Contractor provided an invoice from the soils supplier and the value was reviewed and agreed to. The work was observed and approved by the City.

Extra Work Import Bio Soils

\$38,064.41

2.3 PCO 013 – Extra Stock of Photovoltaic Panels for the solar Shade: The City requested that the Contractor provide additional (spare) PV panels for future use at the facility. The work was performed on lump sum and an invoice was provided to the City for payment.

Extra Material Added PV Panels

\$1,727.39

2.4 PCO 014 –Install slope stabilizing materials and irrigation system to support plants on the slope behind the water feature. This work was required to protect the hardscape and water feature in this area. The work was performed on lump sum cost which was reviewed and agreed to by the City.

Extra Work / Unknown Oil Line **\$4,621.00**

2.5 PCO 015 - Modification made to the concrete vault that was used to house the solar pump was required. The vault needed to be modified to allow the installation and proper operation of this equipment. The work followed an RFI in which the designer developed additional details for the Contractor to mount and operate the pump. The work was performed on a lump sum cost which was reviewed and agreed to by the City.

Extra Work – Modify the Pump Vault **\$2,734.25**

2.6 PCO 016 - Install gravel bags along the drive approach into the bottom of the detention basin. The bags were used to provide a barrier for the newly installed bio-soils so they would not foul the drive approach and allow for trucks to enter and perform maintenance within the basin. The work was observed and approved by the City.

Extra Work – Install Gravel Bags **\$1,885.50**

2.7 PCO 017 - Purchase and install a new lock body for the upper gate of the new fence at the detention basin. The previous lock was vandalized and had to be replaced. The work was observed and approved by the City.

Extra Work – Purchase and Install Lock Body **\$ 406.50**

2.8 PCO 018 - Clearing and grubbing efforts were required prior to placement of the hydro-seed materials. Because it had been several months since the areas were cleared, weeds and other materials had accumulated and had to be removed for proper application of the hydroseed materials. The work was observed and approved by the City.

Extra Work – Clear & Grubb **\$7,190.00**

2.9 PCO 014 –Repair of broken oil line found during the excavation of the main irrigation line in February 2017. The line was cleaned and capped by RP Vititow. The work was performed on time and material and a final cost was agreed upon by all the City.

Extra Work / Repair damaged Oil Line **\$2,004.83**

PART 3 CHANGE IN CONTRACT AMOUNT

- A. BID ITEM QUANTITY ADJUSTMENTS
- (NONE/ OR LIST QUANTITY)
- B. EXTRA WORK/ADJUSTMENT IN COMPENSATION AT AGREED PRICE

In accordance with procedures for changes in the work established in the specifications, you are authorized to do the following.

SECTION A – BID ITEM QUANTITY

None

SECTION B – EXTR WORK AT AGREED TO PRICES

3.1 This payment includes costs for removing an existing chain link fence at the detention basin. This existing fence was not noted on the plans for removal and is considered additional work. The Contractor provided a cost and the work was agreed upon and approved by the City. The work was performed and reviewed by the city for the lump sum cost \$ 4,315.44 (In relation to 1.1 & 2.1)

- 3.2 This payment includes costs for importing of Bio Soils to fill the detention basin. Because the soils onsite were not suitable for use as Bio Soils, the Contractor was asked to blend the material and have it hauled onto the project. The Contractor provided an invoice from the soils supplier and the value was reviewed and agreed upon, as directed by the Project Manager, for the lump sum cost of \$ 38,064.41 (In relation to 1.2 & 2.2).
- 3.3 This payment includes costs for Extra Stock of Photovoltaic Panels for the solar Shade: The City requested that the Contractor provide additional (spare) PV panels for future use at the facility. The work was performed and an invoice was provided to the City for payment, for a lump sum cost of \$1,727.39. (In relation to 1.3 & 2.3)
- 3.4 This payment includes costs to Install slope stabilizing materials and irrigation system to support plants on the slope behind the water feature. This work was required to protect the hardscape and water feature in this area. The work was performed and reviewed by the City for a lump sum cost of \$4,621.00. (In relation to 1.4 & 2.4)
- 3.5 This payment includes costs for modifications made to the concrete vault that was used to house the solar pump was required. The vault needed to be modified to allow the installation and proper operation of this equipment. The work followed an RFI in which the designer developed additional details for the Contractor to mount and operate the pump. The work was performed and reviewed by the City for a lump sum cost of \$2,734.25. (In relation to 1.5 & 2.5)
- 3.6 This payment includes costs for installing gravel bags along the drive approach into the bottom of the detention basin. The bags were used to provide a barrier for the newly installed bio-soils so they would not foul the drive approach and allow for trucks to enter and perform maintenance within the basin. Provide all labor, materials, equipment, and installations of the additional items, as directed by the Project Manager, for the lump sum cost of \$1,885.50. (In relation to 1.6 & 2.6).
- 3.7 This payment includes costs to purchase and install a new lock body for the upper gate of the new fence at the detention basin. The previous lock was vandalized and had to be replaced. The work was observed and approved by the City. The Contractor performed the work the additional items, as directed by the Project Manager, for the lump sum cost of \$406.50. (In relation to 1.7 & 2.7).
- 3.8 This payment includes costs for clearing and grubbing efforts were required prior to placement of the hydro-seed materials. Because it had been several months since the areas were cleared, weeds and other materials had accumulated and had to be removed for proper application of the hydroseed materials. Provide all labor, materials, equipment, as directed by the Project Manager, for the lump sum cost of \$7,190.00. (In relation to 1.8 & 2.8).
- 3.9 This payment includes costs for the repair of broken oil line found during the excavation of the main irrigation line in February 2017. The line was cleaned and capped by RP Vititow. Provide all labor, materials, equipment, and installations of the additional items, as directed by the Project Manager, for the lump sum cost of \$2,004.83. (In relation to 1.9 & 2.9).

- Net Bid Item Quantity Adjustment	= \$	0.00
- Net Extra Work/ Agreed Price	=	\$62,949.32
- Net to Contract Cost	=	\$62,949.32

PART 4 CHANGE IN CONTRACT TIME

Time for completion of all work under the contract will be extended 120 Working Days Beyond the Deputy Director/ City Engineer's Signature.

By signing this change order, the Contractor acknowledges that it is familiar with California Civil Code Section 1542, which reads: "A general release does not extend to claims which the creditor does not know or suspect to exist in his favor at the time of executing the release, which if known by him must have materially affected his settlement with the debtor;" and Contractor hereby releases the City of Long beach from any unknown claims and waives its rights under Section 1542.

The Prices set forth herein above shall be considered full compensation for all obligations of the Contractor associated with this change order, and the City will not be liable for any claim of the Contractor for delays or extra compensation resulting from performance of the requirements of this change order.

Recommended By:


3-14-18

Chief Construction Inspector (Date)

Approved By:


3/15/18

Contractor (Date)


MAR 14 2018


Construction Services Officer (Date)


3/15/18

Deputy Director/City Engineer (Date)


2/21/18

Project Manager (Date)



Financial Management (Date)