

**CHANGE ORDER(s)**

**AND /OR**

**LETTER(s) OF EXTENSION**

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**CONTRACT CHANGE ORDER NO. 003  
DATED APRIL 14, 2017**

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**FILED WITH CONTRACT #34335**

**(BITECH CONSTRUCTION COMPANY INC)**



**City of Long Beach**  
*Working Together to Service*

**Memorandum**

**Date:** April 14, 2017

**To:** Sean Crumby, Deputy Director of Public Works/City Engineer

**From:** Keith Hoey, Civil Engineer

**Subject:** **CONTRACT CHANGE ORDER No. 3 TRANSMITTAL MEMO**

PROJECT:	R-7058 El Dorado Nature Center Improvements
CONTRACTOR:	Bitech Construction Co.
ORIGINATED FROM:	Project Development
SOURCE OF FUNDING:	General Fund, Capital Projects Grant Funds
REASON:	See Attached
COST (CCO#3):	\$29,474.35
ORIGINAL CONTRACT:	\$660,816.06
APPROVED CONTINGENCY (15%)	\$99,122.00
ORIGINAL CONTRACT + CONTINGENCY (NOT TO EXCEED)	\$759,938.06
AMENDED CONTRACT VIA COUNCIL LETTER (NOT TO EXCEED)	N/A
TOTAL AMOUNT OF CCO'S TO DATE (INCLUDING	

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

Bitech Construction Company  
7371 Walnut Avenue  
Buena Park, CA 90620

Date: April 14, 2017  
R- 7058  
Contract No.: 34335 ✓  
Program No.: PW B-4678

PROJECT: R-7058 El Dorado Nature Center Improvements

CONTRACT CHANGE ORDER AUTHORIZATION NO. 3

**PART 1 (Reason for Change)**

- 1.1 A credit Change Order was required to eliminate some site furnishings that were redundant and trees that could not be locally procured in the sizes required by the contract documents. An 8" sign post was also oversized for the applicable sign.
- 1.2 Change Order was required because an additional informational sign was needed and requested by the City's Parks, Recreation and Marine Department (PRM); wooden handrails on the bridge were needed to prevent potential injuries to the public from touching the hot metal rails of the new bridge; installing ADA parking stall striping and ADA parking signs was required in the main parking lot to comply with current ADA requirements.
- 1.3 Change order was required to install an ADA compliant path of travel from the new parking stalls in the main parking lot to the park entrance.
- 1.4 Change order was required to install detectable warning surface mats with truncated domes at the main parking lot entrance to comply with current ADA requirements since they were not included in the contract documents.
- 1.5 Change order was required to fill in the gaps between the new bridge and existing abutments to eliminate tripping hazards.
- 1.6 Change order was required to replace a damaged, reclaimed water line that was leaking and reroute around existing tree root systems. If not replaced, it would have caused further damage to on-site improvements.
- 1.7 Change order was required to saw cut the end of the concrete curbs to 45-degree angles to eliminate potential tripping hazards at the stage area.
- 1.8 Change order was required to replace the large park entrance sign due to erroneous information on the sign as requested by the City's PRM Dept.
- 1.9 Change order was required to relocate the new receptacles at the stage to a higher elevation as a safety measure to prevent them from being underwater when heavy rains are experienced.
- 1.10 Change order was required to install conduit and cable across the new pedestrian bridge in order to maintain electrical power for site lighting throughout the site since it was not included in the contract documents.
- 1.11 Change Order was required to install additional detectable warning surface mats with truncated domes between the parking lot and alternate entrance to the amphitheater as required by the City Building Inspector to comply with ADA requirements.
- 1.12 Change order was required to install an additional quick coupler valve and box for an existing irrigation head and cut tree stumps near the amphitheater stage not

covered in the existing contract, as requested by the City's PRM Dept. This work provides access by Parks maintenance staff and better irrigation coverage of landscaping. Cutting the tree stumps cleared more room and eliminated potential tripping hazards.

- 1.13 A credit Change order was required for deleting the work to remove asphalt pavement and restore landscaping at the temporary ADA parking area on the side access road to the park. This work was anticipated in the earlier phase of the project and included in Contract Change Order #1 but not absolutely necessary due to cost. Therefore, the temporary ADA striping was blacked out with black paint to facilitate the work and reduce cost.

## **PART 2 (Description of Change)**

- 2.1 Credits to the City for deleting all labor, materials, and equipment to furnish and install one decorative bench, trash receptacle, 11 Willow trees, concrete ribbons around electrical pull boxes. This item also included a credit for furnishing and installing a 6" sign post in lieu of an 8" sign post.
- 2.2 Furnish all labor, materials, and equipment to install additional amphitheater sign, provide upsized 2"x6" bridge rail caps on the new pedestrian bridge, and install new ADA parking stall striping and signage in the main parking lot.
- 2.3 Furnish all labor, materials, and equipment to remove existing asphalt concrete pavement and construct concrete sidewalk connecting the main parking lot and entryway.
- 2.4 Furnish all labor, materials, and equipment to install 180 SF of cast-in-place detectable warning surface mats with truncated domes adjacent to the main parking lot.
- 2.5 Furnish all labor, materials, and equipment to install abutment plates and grout to eliminate open gaps at each end of the pedestrian bridge.
- 2.6 Furnish all labor, materials, and equipment to replace and re-route an existing damaged 8-inch reclaimed water line on time and material. The work included excavation to expose and inspect the damaged water line (fire hydrant lateral), trenching, purchasing all purple pipe materials and appropriate fittings and tools, laying pipe, reconnecting to the existing fire hydrant and valve, backfill and compaction.
- 2.7 Furnish all labor, materials, and equipment to saw cut 45-degree angles in the concrete curbs at the amphitheater stage.
- 2.8 Furnish all labor, materials and equipment to replace the park main entrance sign with correct information and high-pressure laminate.
- 2.9 Furnish all labor, materials, and equipment for relocating the electrical receptacles at the amphitheater stage to a higher elevation on the side of the amphitheater stage. The work included removing and re-installing the receptacle outlets and rewiring.
- 2.10 Furnish all labor, materials and equipment to install galvanized rigid conduit and cable across the new pedestrian bridge and reconnect to existing power. The work included running the new conduit and cable along the side of the bridge, out of view, and adding some new junction boxes to tie in to existing power.
- 2.11 Furnish all labor, materials, and equipment to install 15 SF of surface-mounted detectable warning surface mats with truncated domes between the main parking lot and southerly gate entrance to the new amphitheater.
- 2.12 Furnish all labor, materials, and equipment to install one additional quick-coupler valve and valve box near the front of the park and cutting tree stumps to grade near the amphitheater stage. The work included removal and disposal of the tree stumps.

2.13 Credit to the City for deleting all labor, materials, and equipment to demolish the temporary ADA parking area on the side access road and restore landscaping and irrigation (paid for under Contract Change Order #1). The deleted work included removing asphalt pavement, minor grading, placing new sod, and installing irrigation to restore the area to original conditions. Instead, the asphalt pavement was not touched and the temporary striping was blacked out with black paint.

## **PART 3 CHANGE IN CONTRACT AMOUNT**

### **A. BID ITEM QUANTITY ADJUSTMENTS**

### **B. EXTRA WORK/AGREED PRICE**

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

1. Credits to the City for deleting one bench, trash receptacle, 11 Willow trees, concrete ribbons around electrical pull boxes, and reducing sign post from 8" to 6" for the lump sum credit of.....(\$13,977.50)
2. Furnish all labor, materials, and equipment to install additional amphitheater sign, provide upsized 2"x6" bridge rail caps, and install new ADA parking stall striping and signage at the main parking lot for the lump sum cost of.....\$ 5,368.27
3. Furnish all labor, materials, and equipment to remove existing asphalt concrete pavement and construct concrete sidewalk connecting the main parking lot and entryway at the negotiated cost of \$9.00 per square foot (864 SF @ \$9.00/SF) for the total cost of.....\$7,776.00
4. Furnish all labor, materials, and equipment to install cast-in-place detectable warning surface mats with truncated domes adjacent to the main parking lot at the negotiated cost of \$33.00 per square foot (180 SF @ \$33.00/SF) for the total cost of.....\$5,940.00
5. Furnish all labor, materials, and equipment to install abutment plates and grout to eliminate gaps at each end of the pedestrian bridge for the lump sum cost of (T&M).....\$833.18
6. Furnish all labor, materials, and equipment to trench, replace and re-route an existing 8-inch reclaimed water line for the lump sum cost of (T&M).....\$17,210.57
7. Furnish all labor, materials, and equipment to saw cut 45-degree angles in the concrete curbs at the amphitheater stage for the lump sum cost of (T&M).....\$177.12
8. Furnish all labor, materials, and equipment to install a high-pressure laminated panel for entry signage for the lump sum cost of.....2,996.61
9. Furnish all labor, materials, and equipment for relocating the electrical receptacles at the amphitheater stage for the lump sum cost of.....\$2,364.88

- 10. Furnish all labor, materials, and equipment for installation of GRC conduit across the side of the bridge for electrical power for the lump sum cost of (T&M).....\$1,565.13
- 11. Furnish all labor, materials, and equipment to install surface-mounted detectable warning surface mats with truncated domes between the main parking lot and southerly gate entrance at the negotiated cost of \$40.00 per square foot (15 SF @ \$40.00/SF) for the total cost of.....\$600.00
- 12. Furnish all labor, materials, and equipment to install one additional quick-coupler valve and valve box and cutting tree stumps to grade near the amphitheater stage for the lump sum cost of.....\$360.00
- 13. Credit to the City for deleting the work to demolish and restore the temporary ADA parking area on the side access road (paid for under Contract Change Order #1) for the lump sum credit of.....(\$1,739.91)

- Net Bid Item Quantity Adjustment = 0  
 - Net Extra Work / Agreed Price = \$29,474.35  
 - Net to Contract Cost = \$29,474.35

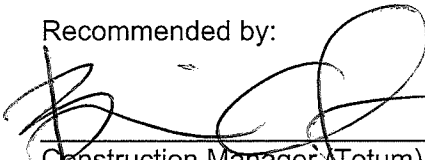
By signing this change order the Contractor acknowledges that it is familiar with California Civil Code Section 1542, which reads: "A general release does not extend to claims which the creditor does not know or suspect to exist in his favor at the time of executing the release, which if known by him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

**PART 4 CHANGE IN CONTRACT TIME**

TIME FOR COMPLETION OF ALL WORK UNDER THE CONTRACT WILL BE EXTENDED FIVE (5) WORKING DAYS BEYOND THE DEPUTY DIRECTOR/CITY ENGINEER'S SIGNATURE.

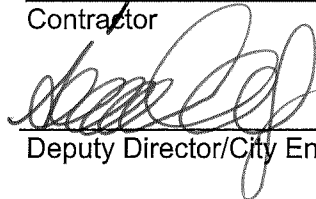
Recommended by:

  
 Construction Manager (Totum) 4/15/17 (Date)

  
 Project Manager 4/20/17 (Date)

Approved by:

  
 Contractor 4/17/17 (Date)

  
 Deputy Director/City Engineer (Date) 4/19/17

Funds are available for this purpose:

12/1/2018  
Financial Management (Date)