

CHANGE ORDER(s)

AND /OR

LETTER(s) OF EXTENSION

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**CONTRACT CHANGE ORDER AUTHORIZATION NO. 2
DATED APRIL 17, 2017**

FILED WITH CONTRACT #34226

(TRUSTAR ENERGY, LLC)



Date: April 17, 2017
To: Sean Crumby, Deputy Director of Public Works/City Engineer
From: Keith Hoey, Civil Engineer
Subject: **CONTRACT CHANGE ORDER No. 2 TRANSMITTAL MEMO**

| | |
|---|----------------------------------|
| PROJECT: | PW4322-01 CNG Fuel Station |
| CONTRACTOR: | TruStar Energy CNG |
| ORIGINATED FROM: | Project Development |
| SOURCE OF FUNDING: | Fleet Services Fund, Grant Funds |
| REASON: | See Attached |
| COST (CCO#2): | \$95,651.60 |
| ORIGINAL CONTRACT: | \$2,855,661.00 |
| APPROVED CONTINGENCY (15%) | \$428,349.00 |
| ORIGINAL CONTRACT + CONTINGENCY (NOT TO EXCEED) | \$3,284,010.00 |
| AMENDED CONTRACT VIA COUNCIL LETTER (NOT TO EXCEED) | N/A |
| TOTAL AMOUNT OF CCO'S TO DATE (INCLUDING PROPOSED CCO'S) | \$428,225.30 |
| PERCENT (%) OF CONTINGENCY USED IN CHANGE ORDERS TO DATE (INCLUDING PROPOSED) | 14.99% |

DEPARTMENT OF PUBLIC WORKS
 Engineering Bureau
 Certification of Materials of Services
 Vendor ID# V064434
 PO/BPPW 17000002
 Proj/Projdetail PW4322.0130
 Grant/Grant detail _____
 Index/Subobject PWC1A1B
 By: CBest 05/03/17
 Date

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

TruStar Energy LLC
10225 Philadelphia Court
Rancho Cucamonga, CA 91730

Date: April 17, 2017
Contract No. 34226
Program No. PW4322-01

PROJECT: PW4322-01 CNG Fuel Station

CONTRACT CHANGE ORDER AUTHORIZATION NO. 2

PART 1 (Reason for Change)

- 1.1 Change Order was required to add rebar dowels for additional reinforcement for all concrete pavement sections removed and replaced where new conduit for electrical service was installed; additionally, Fire Dept. comments required a rolling gate south of the CNG Compound for a fire lane and a portion of existing concrete curb and asphalt pavement had to be removed to accommodate this new gate. Rebar dowels and rolling gate were not included in the contract scope of work.
- 1.2 Change Order was required to provide openings in the K-Rails at the request of the City's Fleet Services Division to allow workers and pedestrians to pass through the K-Rail lines for improved accessibility. Steel step-overs were provided at the openings to enclose and protect the gas lines without requiring additional trenching. These openings were not included or required in the original contract documents.
- 1.3 Change Order was required to furnish and install two new micro-motion meters at the request of the City's Fleet Services Division to document fuel usage at individual time fill runs. Original contract documents only required documentation of total fuel usage.
- 1.4 Change Order was required to satisfy Fire Dept. requirements to adjust existing Fire Lane striping to meet minimum fire lane widths impacted by new parking stall layout and add one safety bollard behind the new rolling gate to prevent access by vehicles to the fire lane. This change order was also required to install complete parking stall striping, pavement markings, and signage at new time fill runs as signage and striping were not included in the contract scope of work.
- 1.5 Change Order was required to add rebar dowels for additional reinforcement for all concrete pavement sections removed and replaced where new conduit was installed for a relocated site light. Rebar dowels were not included in the contract scope of work but provide additional support and stability in the concrete pavement.
- 1.6 Change Order was required to safely secure time fill posts until fuel hoses are installed at a later date as requested by the City's Fleet Services Division. All fueling hoses were to be installed per the contract documents.
- 1.7 Change Order was required to remove an existing electrical pull box with and replace with a new traffic-rated pull box in the parking lot area. An existing site light pole was relocated to accommodate new time fill runs. The existing electrical pull box for this light pole was not traffic rated in a heavily-used heavy vehicle parking lot.

- 1.8 Change Order was required to design and prepare construction plans for the new CNG fuel station parking stall striping, signs and pavement markings. Signage and striping was not included in original contract.
- 1.9 A credit Change Order was required for installing the new electrical service indoors as opposed to outdoors on the rooftop. The alternate route for the electrical service was a change from the originally proposed route.
- 1.10 Change Order was required to remove additional existing striping in conflict with new parking stall striping and to paint new wheel stops white since the gray color does not match the K-Rails. Wheel stop painting and striping removal work were not in the original contract documents.

PART 2 (Description of Change)

- 2.1. Furnish all labor, materials, and equipment to install rebar dowels in concrete pavement, #4 at 12" OC including epoxy, as well as demolition and removal of curb and concrete and replacement of asphalt pavement to accommodate new chain link rolling gate. This work included compaction of subgrade prior to placement of new pavement.
- 2.2. Furnish all labor, materials, and equipment to fabricate five (5) steel steps and install at new time fill fueling lanes to accommodate pedestrian pass-through openings in the K-Rails. This work included reconfiguring the existing gas lines and K-Rails and fastening the steel steps to the pavement to prevent sliding.
- 2.3. Furnish all labor, materials, and equipment to install two (2) additional micro-motion meters per Fleet request to meter fuel usage at individual time-fill rows.
- 2.4. Furnish all labor, materials, and equipment to install one (1) additional 8" bollard at new rolling gate; install parking stall striping at new time-fill fueling lanes per approved design and specifications, and re-stripe fire lanes as required per City Fire Dept. comments. The work included a concrete footing for the bollard, surface preparation and cleaning prior to striping, striping and marking layout, and removal of conflicting striping via hydro-blasting.
- 2.5. Furnish all labor, materials, and equipment to install #4 rebar dowels at 12" OC in new concrete pavement including epoxy for site light pole relocation. This work included compaction of subgrade prior to placement of new pavement.
- 2.6. Furnish all labor, materials, and equipment to install 3/8" JIC caps at time-fill posts that will not receive fuel hoses until a later date.
- 2.7. Furnish all labor, materials, and equipment to remove existing electrical pull box and install a new traffic-rated pull box at the previous site light pole location. This work included concrete cutting, setting the box to grade, and concrete replacement around the new traffic-rated box.
- 2.8. Furnish all labor, materials, and equipment to design parking stall and site striping layout and update project plans to include new signage and striping design. This work included CAD drafting and preparation of full-size striping plans.
- 2.9. Credit to the City for reduced labor, materials, and equipment and coordination to install the electrical service along the interior ceiling of the Fleet building in lieu of rooftop. The rooftop design was originally proposed by the Contractor but later decided by the City and Contractor that an interior installation reduced energy usage and exposure to weather elements and sunlight and provided easier access to facilitate the work.
- 2.10. Furnish all labor, material, and equipment required to remove existing striping conflicting with new vehicle parking and circulation and paint new wheel stops with white traffic paint. This work included removing existing striping in the drive aisles specifically throughout the CNG station.

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. Furnish all labor, materials, and equipment for rebar dowels in concrete pavement replacement as well as demolition and removal of curb and concrete and replacement of asphalt to accommodate new chain link rolling gate for the lump sum cost of . . . \$14,076.92
2. Furnish all labor, materials, and equipment to fabricate five (5) steel steps and install at new time fill fueling lanes to accommodate pedestrian pass-throughs to satisfy Fleet request for the lump sum cost of . . . \$17,500.00
3. Furnish all labor, materials, and equipment to furnish and install two (2) additional micro-motion meters per Fleet request to meter fuel usage at individual time-fill rows for the lump sum cost of . . . \$32,601.58
4. Furnish all labor, materials, and equipment to install one (1) additional bollard at new rolling gate; install parking stall striping at new time-fill fueling lanes, and re-stripe fire lanes for the lump sum cost of . . . \$18,210.54
5. Furnish all labor, materials, and equipment to install rebar dowels in concrete pavement replacement for site light pole relocation for the lump sum cost of . . . \$1,635.01
6. Furnish all labor, materials, and equipment to install 3/8" JIC caps at time-fill posts that will not receive fuel hoses until a later date for the lump sum cost of . . . \$2,045.86
7. Furnish all labor, materials, and equipment to remove existing electrical pull box and replace with new traffic-rated pull box at previous site light pole location, including concrete cutting and replacement for the lump sum cost of . . . \$4,082.53
8. Furnish all labor, materials, and equipment to design parking stall and site striping layout and update project plans to include new striping design for the lump sum cost of . . . \$500.00
9. Credit for furnishing all labor, materials, and equipment to install the electrical service along the interior ceiling of the Fleet building in lieu of rooftop for the lump sum credit amount of . . . (\$3,000.00)
10. Furnish all labor, material, and equipment required to remove existing striping conflicting with new vehicle parking and circulation and paint new wheel stops for the lump sum cost of . . . \$7,999.16

- Net Bid Item Quantity Adjustment = 0
 - Net Extra Work / Agreed Price = \$95,651.60
 - Net to Contract Cost = \$95,651.60

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

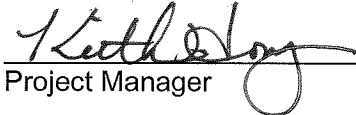
TIME FOR COMPLETION OF ALL WORK UNDER THE CONTRACT WILL BE EXTENDED SEVEN (7) CALENDAR DAYS BEYOND THE DEPUTY DIRECTOR/CITY ENGINEER'S SIGNATURE.

Recommended by:

Approved by:

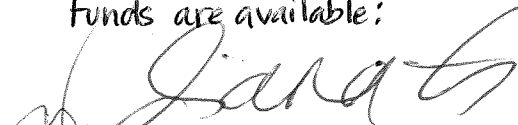
 4/26/17
 Construction Manager (PSOMAS) (Date)

 04/19/17
 Contractor (Date)

 5/01/17
 Project Manager (Date)

 5/3/17
 Deputy Director/City Engineer (Date)

Funds are available:


 Financial Management (Date)