



**CITY OF MANHATTAN BEACH
PUBLIC WORKS DEPARTMENT
Engineering Division**

CONTRACT CHANGE ORDER NO. 1

PROJECT NO.: T-246

DESCRIPTION: Cycle 5 Federal HSIP Grant Traffic Signal Upgrade Project: Sepulveda Blvd. (SR-1) at 8th St.

TO: Elecnor Belco Electric, Inc.

You are hereby instructed to comply with the following changes from the Contract Plans and Specifications:

SUMMARY OF CHANGES			
Description (Detailed Explanation Attached)		Change in Contract Price ¹	Change in Work Days
1.	Addition of Scope of Work and Addition of Working Days	\$55,921.31	81
Net Change in Contract Price and Work Days		\$55,921.31	81

¹Deduction or decrease in Contract Price is denoted in parentheses.

The following change is hereby made a part of the Contract Documents and shall be performed under the same terms and conditions as required by the original Contract Documents. Except as modified herein, the original Contract Documents and all prior amendments shall remain in full force and effect and all of the terms of the Contract Documents are hereby incorporated in this Change Order.

SUMMARY OF ALL CHANGE ORDERS

ORIGINAL CONTRACT AMOUNT\$316,500.00
CCO1\$55,921.31
TOTAL\$372,421.31

SUMMARY OF WORKING DAYS

FIRST DAY OF WORK:04/18/2019
CONTRACT WORKING DAYS:160
TIME EXTENSION: CCO 181
NEW TOTAL WORKING DAYS241
LAST DAY OF WORK:04/10/2020



CHANGE ORDER DETAIL

Change Order No.: 1

PROJECT NO.: T-246

DESCRIPTION: Cycle 5 Federal HSIP Grant Traffic Signal Upgrade Project: Sepulveda Blvd. (SR-1) at 8th St.

The changes or interpretations described and noted herein are hereby authorized. The signed original of this order is on file in the Department of Public Works. Shown as separate paragraphs: (A) Reason for Change; (B) Description of Change; (C) Change in Contract Costs; and (D) Change in Completion Date.

Item No. 1:

A. Reason for Change:

Due to conditions encountered during construction, the following modifications to the amount of Work were determined to be appropriate:

- In order to prepare for the installation of traffic signal pole #5 at the northeast corner of the intersection, the existing traffic signal pole needs to be relocated temporarily. To facilitate the relocation of the existing traffic signal pole #5, a temporary traffic signal shut-down is necessary. Since Sepulveda Boulevard carries heavy commute traffic during daytime, in an effort to minimize the potential for hazardous traffic conditions, night work was deemed necessary to shut down traffic signal for setting up temporary signal pole #5. Therefore, the difference between the labor cost included in the original Contract for completing this work during normal working hours and the labor cost associated with completing this work at night is included in this CCO.
- The traffic controller foundation needs to be reconstruction in order to comply with Caltrans's updated standard plans, and in order to complete the foundation reconstruction, the traffic controller needed to be temporarily relocated, and the traffic controller assembly needed to be reconnected. In an effort to minimize the potential for hazardous traffic conditions since Sepulveda Boulevard carries heavy commuter traffic and the temporary relocation of the traffic controller requires the traffic signal to be shut down, this work needs to be completed during the night and not during normal work hours.
- A loop detection system is required to be furnished and installed in lieu of a video detection system for the operation of the traffic signal in order to comply with Caltrans' updated standard plans. Therefore, addition of the the labor and materials required to furnish and install the loop detection system and the credit of the labor and materials required to furnish and install the video detection system are included in this CCO.



- The existing median nose needs to be cut back in order to comply with Caltrans's updated standard plans and this also requires the repair of the pavement section for the area adjacent to where the median has been removed.
- One R3-7 sign is required to be furnished and installed on 8th Street west of Sepulveda Boulevard for eastbound traffic in order to meet Caltrans's requirements.
- One R4-7 sign is required to be furnished and installed on median nose on Sepulveda Boulevard for both southbound and northbound traffic, for a total of two R4-7 signs that need to be furnished and installed in order to meet Caltrans's requirements.
- One OM2-1H sign is required to be furnished and installed on median nose on Sepulveda Boulevard for both southbound and northbound traffic, for a total of two R4-7 signs that need to be furnished and installed in order to meet Caltrans's requirements.
- During potholing for the foundations of the traffic signal poles, it was determined through soils sampling that the existing soil parameters do not meet the requirements included in the Caltrans standard plans for traffic signal pole foundations. The City hired a Structural Engineer to review all the foundation designs in light of the actual soil conditions, which caused a 61 working day delay in ordering the traffic signal poles.
- The manufacturer production facility was closed from April 13, 2020 through May 3, 2020 due to COVID19, which resulted in a 15 working day delay to the fabrication of the traffic signal and pedestrian heads.

B. Description of Change:

ITEM	DESCRIPTION	UNIT	UNIT PRICE	BID OR CURRENT APPROVED QTY	FINAL QTY	CHANGE	CHANGE IN COST ¹
New CCO1 #1-	Labor for the Set Up of the Temporary Pole #5 to be Completed During the Night Instead of During Normal Working Hours	LS	\$907.84	0	1	1	\$907.84
New CCO1 #2-	Reconstruct the Foundation for the New Cabinet and Controller Assembly and	LS	\$3,156.00	0	1	1	\$3,156.00



		Temporarily Relocate the Controller While Reconstructing the Foundation						
New CCO1	#3-	Credit to Furnish and Install the Video Detection System	LS	(\$18,180.35)	0	(1)	(1)	(\$18,180.35)
New CCO1	#4-	Furnish and Install Traffic Loop Detection System	LS	\$5,063.89	0	1	1	\$52,406.60
New CCO1	#5-	Cut Back the Existing Median Nose and Repair the Adjacent Pavement Section Where the Median Has Been Removed	LS	\$14,634.90	0	1	1	\$14,634.90
New CCO1	#6-	Furnish and Install R3-7 Signage	EA	\$599.60	0	1	1	\$599.60
New CCO1	#7-	Furnish and Install R4-7 Signage	EA	\$599.18	0	2	2	\$1,198.36
New CCO1	#8-	Furnish and Install OM2-1H Signage	EA	\$599.18	0	2	2	\$1,198.36

¹Deduction or decrease in Contract Price is denoted in parentheses.

C. Change in Contract Cost:
Add \$55,921.31

D. Change in Completion Date:
Add 81 Working Days.

SIGNATURE PAGE TO FOLLOW:



The original Contract Price was \$316,500.00. Contract Change Order No. 1 increased the Contract Price by \$55,921.31. The new Contract Price will be \$372,421.31, resulting in an increase of approximately 17.67% to the original Contract.

The original Contract Time of 160 Working Days was extended by 81 Working Days per Contract Change Order No. 1. The resulting Contract Time is 241 Working Days.

Ordered: _____ Date: _____
Public Works Director

Concurred by: _____ Date: _____
City Engineer

Concurred by: _____ Date: _____
Project Manager

Acceptance by the Contractor:

This Change Order is in full compromise and settlement of all adjustments to Contract Time and Contract Price, and compensation for any and all delay, extended or additional field and home office overhead, disruption, acceleration, inefficiencies, lost labor or equipment productivity, differing site conditions, construction interferences and other extraordinary or consequential damages (hereinafter called "Impacts"), including any ripple or cumulative effect of these Impacts on the overall Work under the Contract arising directly or indirectly from the performance of Work described in this Change Order. By execution of this Change Order, the Contractor agrees that this Change Order constitutes a complete accord and satisfaction with respect to all claims for schedule extension, Impacts, or any costs of any nature, character or kind arising out of or incidental to this Change Order.

Name: _____ Date: _____

Title: _____