



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

CONTRACT CHANGE ORDER NO. 2 (FINAL)

PROJECT NO.: P-909 (Liberty Village Pavement Rehabilitation & Improvement Project)

DESCRIPTION: (1) Adjustment in Final Quantities for Removal and Construction of Curb Ramps
(1) Adjustment in Final Quantities for 2 in. Cold Mill
(2) Adjustment in Final Quantities for 4 in. PCC Sidewalk
(3) Adjustment in Final Quantities for AC Removal & Aggregate Base
(4) Adjustment in Final Quantities for ARHM & AC Leveling Course
(5) Curb & Gutter Replacement
(6) Adjustment in Final Quantities for Cross Gutter Replacement

TO: Sequel Contractors, 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. Final Quantity Adjustment – Curb Ramps	\$500.00	
2. Final Quantity Adjustment - 2" Cold Mill	(\$751.38)	
3. Final Quantity Adjustment - 4" PCC Sidewalk	\$35,448.00	46
4. Final Quantity Adjustment - Remove AC/Agg Base	(\$24,786.50)	
5. Final Quantity Adjustment – ARHM & Level Course	\$65,127.44	
6. Curb & Gutter Replacement	\$3,200.00	
7. Cross Gutter Replacement	\$114,847.22	
Net Change in Contract Price and Work Days	\$193,584.78	46

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 \$1,495,830.00
CCO1 \$33,271.59
CCO2 (FINAL) \$193,584.78
TOTAL \$1,722,686.37



SUMMARY OF WORKING DAYS

FIRST DAY OF WORK: 1/28/2019
CONTRACT WORKING DAYS:60
TIME EXTENSION: CCO 2 (Final)46
NEW TOTAL WORKING DAYS:106
LAST DAY OF WORK:..... July 16, 2019



CHANGE ORDER DETAIL

Change Order No.: 2

Project No.: D-909

Description:

- (1) Adjustment in Final Quantities for Removal and Construction of Curb Ramps
- (2) Adjustment of Quantities for 2 in. Cold Mill
- (3) Adjustment in Final Quantities for 4 in. Sidewalk
- (4) Adjustment in Final Quantities for AC Removal & Aggregate Base
- (5) Adjustment in Final Quantities for ARHM & AC Leveling Course
- (6) Curb & Gutter Replacement
- (7) Adjustment in Final Quantities for Cross Gutter Replacement

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: Adjustment in Final Bid Quantities for Remove Existing Curb Ramps (Schedule A Item #1, Schedule C Item #1, Schedule D Item #1) and Construct Curb Ramps (Base Bid Item #6, Schedule A Item #2, Schedule C Item #2, Schedule D Item #2)

A. Reason for Change:

1. City directed partial curb ramp removal and reconstruction at the southeast corner of Manhattan Beach Boulevard and Redondo Avenue.
2. City directed construction of a new curb ramp at the knuckle of 12th Street and Lynngrove Drive.
3. Construction of curb ramp at 1900 Lynngrove Drive was removed from the scope of work, due to the work being performed by the private home developer.

B. Description of Change:

ITEM	DESCRIPTION	UNIT	UNIT PRICE	BID OR CURRENT APPROVED QTY	FINAL QTY	CHANGE	CHANGE IN COST ¹
Base Bid Item #6	Construct Curb Ramp	EA	\$3,400.00	20	19	(1)	(\$3,400.00)
Sch. A Item #1	Remove (E) Curb Ramp	EA	\$500.00	26	27	1	\$500.00
Sch. A Item #2	Construct Curb Ramp	EA	\$3,400.00	26	27	1	\$3,400.00
Sch. C Item #1	Remove (E) Curb Ramp	EA	\$500.00	2	3	1	\$500.00
Sch. C Item #2	Construct Curb Ramp	EA	\$3,400.00	2	3	1	\$3,400.00
Sch. D Item #1	Remove (E) Curb Ramp	EA	\$500.00	10	9	(1)	(\$500.00)
Sch. D Item #2	Construct Curb Ramp	EA	\$3,400.00	10	9	(1)	(\$3,400.00)

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



- C. Change in Contract Cost:
Add \$500.00
- D. Change in Completion Date:
No Change.

Item No. 2: Adjustment in Final Bid Quantities for 2 in. Cold Milling (Base Bid Item #7, Schedule B Item #4, Schedule C Item #4, Schedule D Item #4)

- A. Reason for Change:
Final quantities were determined by field measurements taken and confirmed in the field.

B. Description of Change:

ITEM	DESCRIPTION	UNIT	UNIT PRICE	BID OR CURRENT APPROVED QTY	FINAL QTY	CHANGE	CHANGE IN COST ¹
Base Bid Item #7	2" Cold Mill	SF	\$0.30	311,000	327,050	16,050	\$4,815.00
Sch. B Item #4	2" Cold Mill	SF	\$0.50	36,100	29,349	(6,751)	(\$3,375.50)
Sch. C Item #4	2" Cold Mill	SF	\$0.50	34,600	32,120	(2,480)	(\$1,240.00)
Sch. D Item #4	2" Cold Mill	SF	\$0.42	65,000	62,736	(2,264)	(\$950.88)

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

- C. Change in Contract Cost:
Deduct \$751.38
- D. Change in Completion Date:
No Change.

Item No. 3: Adjustment in Final Bid Quantities for Construct 4 in. PCC Sidewalk (Base Bid Item #8)

- A. Reason for Change:
The quantity of sidewalk that was identified for repair was significantly greater than the estimated quantity. City also directed additional sidewalk repairs in order to improve the transition of the new curb ramps to the existing walkways.

B. Description of Change:

ITEM	DESCRIPTION	UNIT	UNIT PRICE	BID OR CURRENT APPROVED QTY	FINAL QTY	CHANGE	CHANGE IN COST ¹
Base Bid Item #8	Construct 4" PCC Sidewalk	SF	\$7.00	5,155	10,219	5,064	\$35,448.00

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



- C. Change in Contract Cost:
Add \$35,448.00
- D. Change in Completion Date:
No Change.

Item No. 4: Adjustment in Final Bid Quantities for Remove AC and Aggregate Base (Base Bid Item #9, Schedule B Item #5, Schedule C Item #5, Schedule D Item #5); Crushed Miscellaneous Base 4 in. (Base Bid Item #13, Schedule B Item #9, Schedule C Item #9, Schedule D Item #9); 1.5" CIII-B2-PG 64-10 AC Wearing Surface (Base Bid Item #14; Schedule B Item #10; Schedule C Item #10; Schedule D Item #10)

A. Reason for Change:

Following cold milling, City identified 3,816 SF of pavement section repairs. Total pavement section repairs for the entire project is scheduled for 8,330 SF.

To expedite the pavement repair, Contractor proposed in-lieu of reconstructing a 1.5" AC on 4.5" CMB section, to perform a 4" full-depth AC section. City's design engineer confirmed that the final product would be yield a more durable product than the specified pavement section.

B. Description of Change:

As directed by the City, perform 3,516 SF of 4" full-depth AC pavement section repairs on 12th Street between Harkness Street & Faymont Avenue, and 300 SF of pavement section repairs in front of 2208 Harkness Street. Unit prices for work performed shall remain the same.

ITEM	DESCRIPTION	UNIT	UNIT PRICE	BID OR CURRENT APPROVED QTY	FINAL QTY	CHANGE	CHANGE IN COST ¹
Base Bid Item #9	Remove AC & Agg Base	SF	\$3.00	7,110	3,816	(3,294)	(\$9,882.00)
Sch. B Item #5	Remove AC & Agg Base	SF	\$3.00	160	0	(160)	(\$480.00)
Sch. C Item #5	Remove AC & Agg Base	SF	\$3.00	240	0	(240)	(\$720.00)
Sch. D Item #5	Remove AC & Agg Base	SF	\$3.00	830	0	(830)	(\$2,490.00)
Base Bid Item #13	CMB 4"	CY	\$110.00	100	0	(100)	(\$11,000.00)
Sch. B Item #9	CMB 4"	CY	\$200.00	2	0	(2)	(\$400.00)
Sch. C Item #9	CMB 4"	CY	\$200.00	3	0	(3)	(\$600.00)
Sch. D Item #9	CMB 4"	CY	\$110.00	12	0	(12)	(\$1,320.00)
Base Bid Item #14	1-1/2 in C3-B2-PG 64-10	TN	\$150.00	65	92.37	27.37	\$4,105.50
Sch. B Item #10	1-1/2 in C3-B2-PG 64-10	TN	\$200.00	2	0	(2)	(\$400.00)



Sch. C Item #10	1-1/2 in C3-B2- PG 64-10	TN	\$200.00	2	0	(2)	(\$400.00)
Sch. D Item #10	1-1/2 in C3-B2- PG 64-10	TN	\$150.00	8	0	(8)	(\$1,200.00)

C. Change in Contract Cost:
Deduct \$24,786.50

D. Change in Completion Date:
Add 0 Working Days

Item No. 4: Adjustment in Final Bid Quantities for ARHM (Base Bid Item #11, Schedule B Item #7, Schedule C Item #7, Schedule D Item #7) and AC Level Course (Base Bid Item #12, Schedule B Item #8, Schedule C Item #8, Schedule D Item #8)

A. Reason for Change:
The poor condition of the existing asphalt resulted in the remaining pavement section and portions of the base section to ravel off following cold milling operations. As a result, additional leveling course and ARHM was required for repaving.

B. Description of Change:

ITEM	DESCRIPTION	UNIT	UNIT PRICE	BID OR CURRENT APPROVED QTY	FINAL QTY	CHANGE	CHANGE IN COST ¹
Base Bid Item #11	1.5" ARHM	TN	\$96.00	2,820	3,001.09	181.09	\$17,384.64
Sch. B Item #7	1.5" ARHM	TN	\$110.00	330	375	45	\$4,950.00
Sch. C Item #7	1.5" ARHM	TN	\$110.00	320	340	20	\$2,200.00
Sch. D Item #7	1.5" ARHM	TN	\$110.00	600	727	127	\$13,970.00
Base Bid Item #12	0.5" Level Course	TN	\$110.00	910	1,013.48	103.48	\$11,382.80
Sch. B Item #8	0.5" Level Course	TN	\$120.00	110	165	55	\$6,600.00
Sch. C Item #8	0.5" Level Course	TN	\$120.00	100	142	42	\$5,040.00
Sch. D Item #8	0.5" Level Course	TN	\$120.00	190	220	30	\$3,600.00

C. Change in Contract Cost:
Add \$65,127.44

D. Change in Completion Date:
Add 0 Working Days



Item No. 5: Curb & Gutter Replacement

- A. Reason for Change:
City identified curb and gutter that required replacement because of lifting from tree roots and reverse drainage.
- B. Description of Change:
Replace 19 LF of curb and gutter in front of 2208 Harkness Street.
- Replace a total of 13 LF of curb and gutter adjacent to the new ramp at 1501 Faymont Avenue.
- C. Change in Contract Cost:
Add \$3,200.00
- D. Change in Completion Date:
Add 0 Working Days

Item No. 6: Adjustment in Final Bid Quantities for R&R of Cross Gutters (Schedule A Item #3, Schedule B Item #3, Schedule C Item #3, Schedule D Item #3)

- A. Reason for Change:
Original cross gutters in Liberty Village were 3 ft. wide. Width of cross gutters were increased 6' wide cross gutters, to meet existing City Standards at the time of construction.
- Final quantities were determined by field measurements taken and confirmed in the field.

B. Description of Change:

ITEM	DESCRIPTION	UNIT	UNIT PRICE	BID OR CURRENT APPROVED QTY	FINAL QTY	CHANGE	CHANGE IN COST ¹
Sch. A Item #3	R&R Cross Gutter	SF	\$27.15	5,300	9,274.60	3,974.60	\$109,301.50
Sch. B Item #3	R&R Cross Gutter	SF	\$27.15	710	693	(17)	(\$467.50)
Sch. C Item #3	R&R Cross Gutter	SF	\$27.15	590	708	118	\$3,245.00
Sch. D Item #3	R&R Cross Gutter	SF	\$27.15	2,300	2,454	154	\$4,235.00

- C. Change in Contract Cost:
Add \$114,847.22
- D. Change in Completion Date:
Add 0 Working Days

SIGNATURE PAGE TO FOLLOW:



The original Contract Price was \$1,495,830.00. The sum of previous Contract Change Orders increased the Contract Price by \$33,271.59. Contract Change Order No. 2 (Final) increased the Contract Price by \$193,584.78. The new Contract Price will be \$1,722,686.37, resulting in an increase of approximately 15.2% to the original Contract.

The original Contract Time of 60 Working Days was extended by 46 Working Days per Change Order No. 2 (Final). The last contract Working Day is July 16, 2019.

Ordered: _____ Date: _____
Public Works Director

Concurred by: _____ Date: _____
City Engineer

Concurred by: Mamie K. A. Estep, Jr., PE
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: Michael Muller Date: 9/4/19
Title: Michael Muller Project Manager