

COUNTY OF LAKE
 Department of Public Works
 255 North Forbes Street
 Lakeport, CA 95453

CHANGE ORDER NO: 1

DATE: January 31, 2017

PROJECT: **Mathews Road at Manning Creek Bridge Replacement
 Federal Project No. BRLO-5914(072)**

CONTRACTOR: **Granite Construction Company
 1324 South State Street
 Ukiah, CA 95482**

Note: These changes in no way relieve the Contractor of completing work in accordance with standards established by the Standard Specifications and Special Provisions.

ITEM NO.	DESCRIPTION	TIME EXTENSION	VALUE
1	Balancing of all Contract Items quantities.	0	\$1,897.75
		0	\$1,897.75

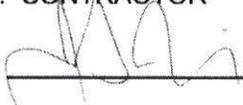
REQUESTED BY: Owner

REASONS: 1. Balances all Contract Items to reflect actual in-place quantities.
 See Attachment A for details.

ORIGINAL CONTRACT WORKING DAYS:	90	Days
TIME EXTENSION ON PREVIOUS CHANGE ORDER(S):	0	Days
TIME EXTENSION FOR THIS CHANGE ORDER:	0	Days
REVISED CONTRACT WORKING DAYS:	90	Days

ORIGINAL CONTRACT AMOUNT:	\$1,220,798.90
AMOUNT PREVIOUS CHANGE ORDERS: (Additions)	0.00
AMOUNT PREVIOUS CHANGE ORDERS and ADMINISTRATIVE DEDUCTION	(\$1,000.00)
AMOUNT THIS CHANGE ORDER:	\$1,897.75
REVISED CONTRACT AMOUNT:	\$1,221,696.65

ACCEPTED: CONTRACTOR

By:  _____

John G. Boies, Area Manager

 Name and Title

2/17/17
 Date

RECOMMENDED:

By:  _____
 Department of Public Works

 Scott De Leon, Director

 Name and Title

4/21/17
 Date

APPROVED: OWNER

By: _____
 Board of Supervisors

 Jeff Smith, Chair

 Name and Title

 Date

BALANCING OF FINAL IN-PLACE QUANTITIES

CONTRACT AMOUNT		CONTRACT AMOUNT				FINAL IN-PLACE QUANTITIES				DIFFERENCE	
BASE BID ITEM NO.	DESCRIPTION	UNIT OF MEASURE	ESTIMATED QUANTITIES	UNIT COST	TOTAL	QTY / %	TOTAL	QTY / %	TOTAL	QTY / %	TOTAL
1	FURNISH FIELD OFFICE	LS	1	\$10,000.00	\$ 10,000.00	1	10,000.00	0	\$ -	0	\$ -
2	CONSTRUCTION STAKING	LS	1	13,585.00	13,585.00	1	13,585.00	0	-	0	-
3	CONSTRUCTION AREA SIGNS	LS	1	3,500.00	3,500.00	1	3,500.00	0	-	0	-
4	TRAFFIC CONTROL SYSTEM	LS	1	5,000.00	5,000.00	1	5,000.00	0	-	0	-
5	TYPE III BARRICADE	EA	4	50.00	200.00	4	200.00	0	-	0	-
6	JOB SITE MANAGEMENT	LS	1	7,500.00	7,500.00	1	7,500.00	0	-	0	-
7	PREPARE WATER POLLUTION CONTROL PROGRAM	LS	1	1,000.00	1,000.00	1	1,000.00	0	-	0	-
8	TEMPORARY STREAM DIVERSION	LS	1	1,500.00	1,500.00	1	1,500.00	0	-	0	-
9	TEMPORARY FIBER ROLL	LF	498	6.25	3,112.50	577	3,606.25	79	493.75	79	493.75
10	TEMPORARY SILT FENCE	LF	496	7.75	3,844.00	388	2,852.00	-128	(992.00)	-128	(992.00)
11	TEMPORARY CONCRETE WASHOUT	LS	1	1,200.00	1,200.00	1	1,200.00	0	-	0	-
12	WATER QUALITY SAMPLING AND ANALYSIS DAY	EA	4	500.00	2,000.00	0	0	-4	(2,000.00)	-4	(2,000.00)
13	WATER QUALITY MONITORING REPORT	EA	4	500.00	2,000.00	0	0	-4	(2,000.00)	-4	(2,000.00)
14	WATER QUALITY ANNUAL REPORT	EA	1	1,000.00	1,000.00	0	0	-1	(1,000.00)	-1	(1,000.00)
15	CONTRACTOR-SUPPLIED BIOLOGIST (LS)	LS	1	2,900.00	2,900.00	1	2,900.00	0	-	0	-
16	REMOVE FENCE	LF	254	7.00	1,778.00	254	1,778.00	0	-	0	-
17	REMOVE ROADSIDE SIGN	EA	10	100.00	1,000.00	10	1,000.00	0	-	0	-
18	SALVAGE BAILEY BRIDGE	LS	1	25,000.00	25,000.00	1	25,000.00	0	-	0	-
19	SALVAGE CONCRETE BARRIER (TYPE K)	LF	40	20.00	800.00	40	800.00	0	-	0	-
20	RESET MAILBOX	EA	1	300.00	300.00	1	300.00	0	-	0	-
21	BRIDGE REMOVAL	LS	1	50,000.00	50,000.00	1	50,000.00	0	-	0	-
22	CLEARING AND GRUBBING (LS)	LS	1	20,000.00	20,000.00	1	20,000.00	0	-	0	-
23	ROADWAY EXCAVATION	CY	472	80.00	37,760.00	472	37,760.00	0.0	-	0.0	-
24	STRUCTURE EXCAVATION (BRIDGE) (F)	CY	343	80.00	27,440.00	343	27,440.00	0	-	0	-
25	STRUCTURE BACKFILL (BRIDGE) (F)	CY	190	200.00	38,000.00	190	38,000.00	0	-	0	-
26	VEGETATED ROCK SLOPE PROTECTION	LF	171	75.00	12,825.00	171	12,825.00	0	-	0	-
27	EROSION CONTROL (BONDED FIBER MATRIX) (SQFT)	SQFT	2,400	0.80	1,920.00	6515	5,212.00	4,115.0	3,292.00	4,115.0	3,292.00
28	CLASS 2 AGGREGATE BASE (CY)	CY	164	60.00	9,840.00	164	9,840.00	0	-	0	-
29	HOT MIX ASPHALT (TYPE A)	TON	111	150.00	16,650.00	138	20,700.00	27	4,050.00	27	4,050.00
30	TACK COAT	TON	0.13	500.00	65.00	0.13	65.00	0.00	-	0.00	-
31	MODULAR BLOCK WALL (F)	LF	80	150.00	12,000.00	80	12,000.00	0	-	0	-
32	TEMPORARY SHORING	LS	1	50,000.00	50,000.00	1	50,000.00	0	-	0	-
33	24" CAST-IN-DRILLED-HOLE CONCRETE PILING	LF	772	172.00	132,784.00	772	132,784.00	0	-	0	-
34	PRESTRESSING CAST-IN-PLACE CONCRETE	LS	1	50,000.00	50,000.00	1	50,000.00	0	-	0	-
35	STRUCTURAL CONCRETE, BRIDGE FOOTING (F)	CY	54	600.00	32,400.00	54	32,400.00	0	-	0	-
36	STRUCTURAL CONCRETE, BRIDGE (F)	CY	274.00	1,050.00	287,700.00	274	287,700.00	0	-	0	-
37	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE EQ) (F)	CY	12	1,200.00	14,400.00	12	14,400.00	0	-	0	-
38	JOINT SEAL (MR 1")	LF	55	60.00	3,300.00	55	3,300.00	0	-	0	-
39	BAR REINFORCING STEEL (BRIDGE) (F)	LB	67,154	1.10	73,869.40	67,154	73,869.40	0	-	0	-
40	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063" UNFRAMED)	SQFT	12.5	12.00	150.00	12.5	150.00	0	-	0	-
41	ROADSIDE SIGN - ONE POST	EA	2	255.00	510.00	2	510.00	0	-	0	-
42	ROCK SLOPE PROTECTION (1/4 T, METHOD B) (CY) (F)	CY	630.0	75.00	47,250.00	630.0	47,250.00	0.0	-	0.0	-
43	ROCK SLOPE PROTECTION (NO. 2, METHOD B) (CY) (F)	CY	179	75.00	13,425.00	179	13,425.00	0	-	0	-
44	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SQYD	690	2.00	1,380.00	690	1,380.00	0	-	0	-
45	FENCE (TYPE WM, METAL POST)	LF	251	18.00	4,518.00	254	4,572.00	3	54.00	3	54.00
46	DELINATOR (CLASS 2)	EA	16	50.00	800.00	16	800.00	0	-	0	-
47	MIDWEST GUARDRAIL SYSTEM	LF	25	75.00	1,875.00	25	1,875.00	0	-	0	-
48	OREGON 2-TUBE SIDE MOUNT TRANSITION (MOD)	EA	4	3,000.00	12,000.00	4	12,000.00	0	-	0	-
49	ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	3	4,500.00	13,500.00	3	13,500.00	0	-	0	-
50	OREGON 2-TUBE SIDE MOUNT RAIL (F)	LF	215	323.00	69,445.00	215	69,445.00	0	-	0	-
51	PAINT TRAFFIC STRIPE (2-COAT)	LF	700	2.90	2,030.00	700	2,030.00	0	-	0	-
52	PAVEMENT MARKER (RETROREFLECTIVE)	EA	32	5.00	160.00	32	160.00	0	-	0	-
53	MOBILIZATION	LS	1	95,583.00	95,583.00	1	95,583.00	0	-	0	-
TOTAL		TOTAL		\$ 1,220,798.90	\$ 1,220,798.90	1	\$ 1,222,696.65	0	\$ 1,897.75	0	\$ 1,897.75

Date
1/31/2017

CHANGE ORDER MEMORANDUM

TO: COUNTY OF LAKE			FILE: COUNTY CONTRACT NO. <u>16-02</u>	
FROM: PAUL CHANG, R.E., 123 ENGINEERING			COUNTY PROJECT NAME <u>Mathews Road Bridge</u>	
			FEDERAL PROJECT NO. <u>BRLO-5914(072)</u>	
CCO NO. <u>1</u>	SUPPLEMENT NO.	CATEGORY CODE	CONTINGENCY BALANCE (Including this change): \$ <u>\$71,000.00</u>	
CHANGE ORDER AMOUNT \$ <u>+\$1,897.75</u> <u>X</u> INCREASE <u> </u> DECREASE			COUNTY BOARD OF SUPERVISORS APPROVAL REQUIRED? YES <u>X</u> NO <u> </u>	
SUPPLEMENTAL FUNDS PROVIDED \$ <u>0</u>			IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS YES <u>X</u> NO <u> </u>	
ORIGINAL CONTRACT TIME: <u>90</u> DAY(S)	TIME ADJUSTMENT THIS CHANGE: <u>0</u> DAY(S)	PREVIOUSLY APPROVED TIME ADJUSTMENTS: <u>0</u> DAY(S)	PERCENTAGE TIME ADJUSTED (Including this change) <u>0</u> %	TOTAL # OF UNRECONCILED DEFERRED TIME (Including this change) <u>0</u>

This Change Order provides for: ADJUSTING ALL CONTRACT ITEMS TO FINAL IN-PLACE QUANTITIES.

COMPREHENSIVE DESCRIPTION, JUSTIFICATION, AND COST SUMMARY.

This contract change order balances all of the projects contract items to actual final in-place quantities.

See Attachment A for details.

Discussion of Contract Items that were increased or decreased.

Item #9 Temporary Fiber Roll

Engineers Estimate: 498 LF @ \$6.25/ LF = \$3,112.50

Actual: 577 LF @ \$6.25/ LF = \$3,606.25

Difference: 79 LF @ \$6.25/ LF = \$493.75

Finding: Quantity within 25% of bid quantity. No adjustment to unit price required.

Item #10 Temporary Silt Fence

Engineers Estimate: 496 LF @ \$7.75/ LF = \$3,844.00

Actual: 368 LF @ \$7.75/ LF = \$2,852.00

Difference: -128 LF @ \$7.75/ LF = (\$992.00)

Finding: Quantity underrun greater than 25% of bid quantity. Granite did not request an adjustment. Therefore, adjustment to unit price not required.

Item #12 Water Quality Sampling and Analysis Day

Engineers Estimate: 4 EA @ \$500.00 / EA = \$2,000.00

Actual: 0 EA @ \$500.00 / EA = \$0.00

Difference: -4 EA @ \$500.00 / EA = (\$2,000.00)

Finding: Quantity underrun greater than 25% of bid quantity. Granite did not request an adjustment. Therefore, adjustment to unit price not required.

Item #13 Water Quality Monitoring Report

Engineers Estimate: 4 EA @ \$500.00 / EA = \$2,000.00

Actual: 0 EA @ \$500.00 / EA = \$0.00

Difference: -4 EA @ \$500.00 / EA = (\$2,000.00)

Finding: Quantity underrun greater than 25% of bid quantity. Granite did not request an adjustment. Therefore, adjustment to unit price not required.

Item #14 Water Quality Annual Report

Engineers Estimate: 1 EA @ \$1,000.00 / EA = \$1,000.00

Actual: 0 EA @ \$1,000.00 / EA = \$0.00

Difference: -1 EA @ \$1,000.00 / EA = (\$1,000.00)

Finding: Quantity underrun greater than 25% of bid quantity. Granite did not request an adjustment. Therefore, adjustment to unit price not required.

Item #27 Erosion Control (Bonded Fiber Matrix)
 Engineers Estimate: 2,400 SQFT @ \$0.80/ SQFT = \$1,920.00
 Actual: 6,515 SQFT @ \$0.80/ SQFT = \$5,212.00
 Difference: 4,115 SQFT @ \$0.80/ SQFT = \$3,292.00

Finding: Quantity overrun greater than 25% of bid quantity. Granite did not request an adjustment. Therefore, adjustment to unit price not required

Item #29 Hot Mix Asphalt (Type A)
 Engineers Estimate: 111 TON @ \$150.00/ TON = \$16,650.00
 Actual: 138TON @ \$150.00/ TON = \$20,700.00
 Difference: 27 TON @ \$150.00/ TON = \$4,050.00

Finding: Quantity within 25% of bid quantity. No adjustment to unit price required.

Item #45 Fence (Type WM, Metal Post)
 Engineers Estimate: 251 LF @ \$18.00/ LF = \$4,518.00
 Actual: 254 LF @ \$18.00/ LF = \$4,572.00
 Difference: 3 LF @ \$18.00/ LF = \$54.00

Finding: Quantity within 25% of bid quantity. No adjustment to unit price required.

Increases in Bid Items at Bid Unit Prices: \$1,897.75

CONCURRED BY:		ESTIMATE OF COST		
DESIGN ENGINEER	DATE:	ITEMS	THIS REQUEST	TOTAL TO DATE
Quincy Engineering	N/A		\$1,897.75	\$1,897.75
		FORCE ACCOUNT	\$0.00	\$0.00
RESIDENT ENGINEER	DATE:	AGREED PRICE	\$0.00	\$0.00
Paul Chang 	4/21/2017	ADJUSTMENT	\$0.00	\$0.00
PUBLIC WORKS DIRECTOR	DATE:	TOTAL	\$1,897.75	\$1,897.75
Scott De Leon		FEDERAL PARTICIPATION		
		<input checked="" type="checkbox"/> PARTICIPATING	<input type="checkbox"/> PARTICIPATING IN PART	<input type="checkbox"/> NONE
OTHER	DATE:	<input type="checkbox"/> NON-PARTICIPATING (Maintenance)	<input type="checkbox"/> NON-PARTICIPATING	