

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

CHANGE ORDER NO: 2

DATE: February 20, 2020

BID NO.: 19-01

PROJECT: **FEMA FMAG Culvert Replacement No. 1 & No. 2**  
**Federal Project No.'s: FMAG DR 5093-1-1R & FMAG DR 5112-1-1R**

CONTRACTOR: **Coleman Environmental Engineering, Inc.**  
**P. O. Box 1020 / 85 E. Hwy 20**  
**Upper Lake, CA 95485**

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	Decrease Bid Item 8, 15" Corrugated Metal Pipe (.109" Thick) by 25 LF @ \$31.20/LF	0	-\$780.00
2	Decrease Bid Item 17, Install "Straight" Headwall for 15" CMP by 1 EA @ \$5,632.62/EA	0	-\$5,632.62
3	Decrease Bid Item 18, Install "L" Headwall for 15" CMP by 1 EA @ \$5,586.23/EA	0	-\$5,586.23
4	Decrease Bid Item 35, "Remove Culvert" by 25 LF @ \$23.00/LF	0	-\$575.00
5	Decrease Bid Item 36, "Pipe Bedding (Class 2 Aggregate Base)" by 0.93 CY @ \$32.00/CY	0	-\$29.76
6	Decrease Bid Item 37, "Culvert Slurry-Cement Backfill" by 2.71 CY @ \$230.00/CY	0	-\$623.30
7	Decrease Bid Item 40, "Shoulder Backing (Class 2 Aggregate Base)" by 0.24 CY @ \$32.00/CY	0	-\$7.68
8	Decrease Bid Item 41, "Regrade Ditch" by 18 LF @ \$5.95/LF	0	-\$107.10
9	Decrease Bid Item 42, "Rock Slope Protection (20 LBS., Class 1, Method B)" by 1.48 CY @ \$47.00/CY	0	-\$69.56
10	Decrease Bid Item 43, "Rock Slope Protection Fabric (Class 8)" by 40 SF @ \$7.40/SF	0	-\$296.00
11	Decrease Bid Item 44, "Structure Excavation (Culvert)" by 5.99 CY @ \$46.75/CY	0	-\$280.03
12	Decrease Bid Item 45, "Roadside Paving (Miscellaneous Areas)" by 52.50 SF @ \$4.85/SF	0	-\$254.63
13	Materials On Hand credit - (2) two concrete headwalls, 25 LF of 15" CMP and (1) one 15" CMP coupler. See attached Materials On Hand Summary for details.	0	\$3,294.74
		0	-\$10,947.17

REQUESTED BY: Owner

REASONS: 1. Due to worker safety and roadway stability concerns Site 118 is eliminated from the project.

The contractor shall accept the decrease in the contract of \$10,947.17 to eliminate Site 118 from the project.

This sum constitutes full and complete compensation for providing all labor, materials, equipment, tools and incidentals to eliminate Site 118, and includes all markups by reason of this change.

This change order also includes compensation for materials on hand payment for (2) two concrete headwalls and 25 LF of 15" CMP and (1) one CMP coupler.

The County will take possession of the headwalls, pipe and coupler.

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

90	Days
1	Days
0	Days
<u>91</u>	Days

ORIGINAL CONTRACT AMOUNT:  
AMOUNT PREVIOUS CHANGE ORDERS: (Additions)  
AMOUNT PREVIOUS CHANGE ORDERS: (Deletions)  
AMOUNT THIS CHANGE ORDER:  
REVISED CONTRACT AMOUNT:

\$649,497.50
6,750.00
0.00
<u>-10,947.17</u>
\$645,300.33

ACCEPTED: CONTRACTOR

By:



Lee Weisenberg, Gen. Mgr.  
Name and Title

02/24/2020  
Date

RECOMMENDED:

By:

  
Department of Public Works

Scott De Leon, Director  
Name and Title

2/25/2020  
Date

APPROVED: OWNER

By:

Board of Supervisors

Moke Simon, Chair  
Name and Title

                      
Date

COUNTY OF LAKE  
DEPARTMENT OF PUBLIC WORKS

FIELD ORDER

Field Order No.: 2

Project Title: FEMA FMAG Culvert Replacement No. 1 & No. 2

Bid No.: 19-01

Federal Project No.: FMAG DR 5093-1-1R & FMAG DR 5112-1-1R

Contract Date: 8/8/2019

Prime Contractor: Coleman Environmental Engineering, Inc.

You are hereby authorized and instructed to effect the following modifications of the contract for the foregoing named project:

December 12, 2019

Site 118 - Rose Anderson Road PM 0.59

During saw cutting operations at this site Coleman Environment Engineering (CEE) crew pointed out cracking along the edge of the roadway that extends down the bank. Along with the cracks there is settlement in the roadway just downslope of this culvert location.

After talking with the County's Public Works Director he informed me that they have been monitoring a slide in that area.

Due to worker safety and road stability concerns the County has decided eliminate this site from the project.

The County will compensate CEE for the (2) concrete headwalls and 15" Corrugated Metal Pipe that has already been purchased and take possession of those materials. CEE to provide the County with an invoice for those items.

All other estimated contract items for this Site will be removed from the project.

The estimated total of those items = \$14,241.91. See Attachment A for details.

Final cost for this change will be calculated once the County receives the required invoices for the headwalls and pipe.

No time adjustment for this change

Maximum Cost: \$ \_\_\_\_\_

or Minimum Credit: \$14,241.91

This form shall be used only for the issuance of emergency instructions to the Contractor where the time required for preparation and execution of a formal Change Order would result in delay or stoppage of the work, or would allow a hazardous condition to exist. A duly authorized Change Order shall replace this Field Order as soon as possible and shall bear appropriate reference in this Field Order.

Distribution: 1. Contractor  
2. File  
3. Owner

1/23/2020  
Date

01/23/2020  
Date

Steve Phillips  
Steve Phillips, Construction Project Manager  
Resident Project Representative

Contractor's Authorized Representative

FMAG CULVERTS NO. 1  
SITE 118  
CONTRACT ITEM REMOVAL FROM PROJECT

DECEMBER 12, 2019

ITEM NO.	DESCRIPTION	UNIT OF MEASURE	COUNTY'S ESTIMATED QUANTITIES	CONTRACT UNIT COST	TOTAL
1	MOBILIZATION	LS	0	\$43,000.00	\$ -
2	TRAFFIC CONTROL SYSTEM	LS	0	28,000.00	-
3	JOB SITE MANAGEMENT	LS	0	60,975.00	-
4	PREPARE WATER POLLUTION	LS	0	3,000.00	-
5	CONTRACTOR SUPPLIED BIOLOGIST	LS	0	19,000.00	-
6	PERMANENT FIBER ROLLS	LF	0	17.40	-
7	12" CORRUGATED METAL PIPE ( 109" THICK)	LF	0	22.85	-
8	15" CORRUGATED METAL PIPE ( 109" THICK)	LF	-25	31.20	(780.00)
9	18" CORRUGATED METAL PIPE ( 109" THICK)	LF	0	34.19	-
10	21" CORRUGATED METAL PIPE ( 109" THICK)	LF	0	42.67	-
11	24" CORRUGATED METAL PIPE ( 109" THICK)	LF	0	49.96	-
12	30" CORRUGATED METAL PIPE ( 109" THICK)	LF	0	60.85	-
13	18" X 24" CORRUGATED STEEL PIPE ARCH ( 109" THICK)	LF	0	49.45	-
14	INSTALL "STRAIGHT" HEADWALL FOR 12" CMP	EA	0	5,486.95	-
15	INSTALL "L" HEADWALL FOR 12" CMP	EA	0	5,463.95	-
16	INSTALL "3-SIDED" HEADWALL FOR 12" CMP	EA	0	5,415.00	-
17	INSTALL "STRAIGHT" HEADWALL FOR 15" CMP	EA	-1	5,632.62	(5,632.62)
18	INSTALL "L" HEADWALL FOR 15" CMP	EA	-1	5,586.23	(5,586.23)
19	INSTALL "STRAIGHT" HEADWALL FOR 18" CMP	EA	0	5,574.93	-
20	INSTALL "L" HEADWALL FOR 18" CMP	EA	0	5,076.02	-
21	INSTALL "STRAIGHT" HEADWALL FOR 21" CMP	EA	0	5,729.22	-
22	INSTALL "L" HEADWALL FOR 21" CMP	EA	0	5,560.55	-
23	INSTALL "STRAIGHT" HEADWALL FOR 24" CMP	EA	0	5,673.97	-
24	INSTALL "L" HEADWALL FOR 24" CMP	EA	0	5,794.38	-
25	INSTALL "3-SIDED" HEADWALL FOR 24" CMP	EA	0	5,965.35	-
26	INSTALL "STRAIGHT" HEADWALL FOR 30" CMP	EA	0	6,049.30	-
27	INSTALL "L" HEADWALL FOR 30" CMP	EA	0	6,265.20	-
28	INSTALL "3-SIDED" HEADWALL FOR 30" CMP	EA	0	5,949.70	-
29	INSTALL "STRAIGHT" HEADWALL FOR 36" CMP	EA	0	6,297.00	-
30	INSTALL "L" HEADWALL FOR 36" CMP	EA	0	6,364.00	-
31	INSTALL "STRAIGHT" HEADWALL FOR 18" X 24" CORRUGATED STEEL PIPE ARCH	EA	0	5,524.90	-
32	INSTALL "L" HEADWALL FOR 18" X 24" CORRUGATED STEEL PIPE ARCH	EA	0	5,690.50	-
33	INSTALL 36" CORRUGATED STEEL PIPE INLET (0 109" THICK) (TYPE OMP)	EA	0	11,934.10	-
34	INSTALL 24" STEEL FLARED END SECTION	EA	0	8,260.00	-
35	REMOVE CULVERT	LF	-25	23.00	(575.00)
36	PIPE BEDDING (CLASS 2 AGGREGATE BASE) (F)	CY	-0.93	32.00	(29.76)
37	CULVERT SLURRY-CEMENT BACKFILL (F)	CY	-2.71	230.00	(623.30)
38	TEMPORARY CONCRETE WASHOUT	LS	0	13,950.00	-
39	CLASS 2 AGGREGATE BASE (ROADWAY)	CY	0.00	32.00	-
40	SHOULDER BACKING (CLASS 2 AGGREGATE BASE)	CY	-0.24	32.00	(7.68)
41	REGRADE DITCH	LF	-18	5.95	(107.10)
42	ROCK SLOPE PROTECTION (20 LBS , CLASS 1, METHOD B)	CY	-1.48	47.00	(69.56)
43	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SF	-40	7.40	(296.00)
44	STRUCTURE EXCAVATION (CULVERT) (F)	CY	-5.99	46.75	(280.03)
45	ROADSIDE PAVING (MISCELLANEOUS AREAS)	SF	-52.50	4.85	(254.63)
46	RESET EXISTING SURVEY MONUMENT	EA	0	900.00	-
		TOTAL			\$ (14,241.91)

F MAG Culvert Replacement No. 1 and No. 2  
Bid No. 19-01

Contract Change Order No. 2

MATERIALS ON HAND SUMMARY

<u>Description</u>	<u>Invoice No.</u>	<u>\$ Amount</u>
(1) 15" L-Wall Inlet Headwall	CD99048635	\$1,413.00
(1) 15' Straight Outlet Headwall	CD99041814	\$1,277.00
25 LF 15" CMP @ \$22.99/LF	210005	\$574.75
(1) 15" Coupler @ \$29.99 ea.	210005	<u>\$29.99</u>
		\$3,294.74