

Date 02/03/2025

CHANGE ORDER MEMORANDUM

TO: COUNTY OF LAKE		FILE: COUNTY CONTRACT NO. 23-34		
FROM: Joe Siemers, P.E.		COUNTY PROJECT NAME Chalk Mtn. Rd. Bridge Replacement		
		FEDERAL PROJECT NO. BRLO-5914(094)		
CCO NO. 3	SUPPLEMENT NO.	CATEGORY CODE	CONTINGENCY BALANCE (Including this change): \$ 498,449.16	
CHANGE ORDER AMOUNT \$52,660.00 <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> 120 </u> DAY(S)	TIME ADJUSTMENT THIS CHANGE: <u> 0 </u> DAY(S)	PREVIOUSLY APPROVED TIME ADJUSTMENTS: <u> 113 </u> DAY(S)	PERCENTAGE TIME ADJUSTED (Including this change) <u> 94% </u> %	TOTAL # OF UNRECONCILED DEFERRED TIME (Including this change) <u> 0 </u>

Type CL-6 6' Chain Link Fencing with Gates was added to the Contact to provide security for Special Districts.
The requirement for security fencing was not addressed during the design phase of the contract.

Cost for the fencing and gates are as follows:



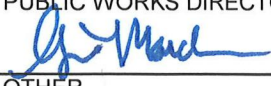
1. 6' Chain Link Fence (Type CL-6) - 285 LF - \$41,895.00
2. 16' Chain Link Gates (Type CL-6) - 2 ea - \$9,350.00

Total Lump Sum Price = \$51,245.00

Fencing and gates are to be installed in the location redlined on Sheet L-2A (Attached).
Fencing is to conform to the Caltrans 2022 Standard Plan A85 and Section 80 - Fences (Attached)

Cost includes the regrading of areas as directed by the Engineer.

An independent cost analysis is included in the construction files.

CONCURRED BY:		ESTIMATE OF COST	
PROJECT MANAGER	DATE:	THIS REQUEST	TO DATE
	<u>2/3/2025</u>	ITEMS	
RESIDENT ENGINEER	DATE:	FORCE ACCOUNT	\$0.00
	0203/25	AGREED PRICE	\$51,245.00
		ADJUSTMENT	\$0.00
PUBLIC WORKS DIRECTOR	DATE:	TOTAL	\$51,245.00
	<u>2/4/2025</u>		\$129,183.77
OTHER	DATE:	FEDERAL PARTICIPATION	
		<u> X </u> PARTICIPATING	<u> </u> PARTICIPATING IN PART <u> </u> NONE
		<u> </u> NON-PARTICIPATING (Maintenance)	<u> </u> NON-PARTICIPATING

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

CHANGE ORDER NO: 3

DATE: February 3, 2025

BID NO.: 23-34

PROJECT: Chalk Mountain Road Bridge Replacement
BRLO-5914(094)

CONTRACTOR: Stewart Engineering, Inc.
P.O Box 990010
Redding, CA 96099

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

Description of work to be done, estimate of quantities, and prices to be paid. (Segregate between additional work at contract price, agreed price, and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. The last percentage shown is the net accumulated increase or decrease from the original quantity in the Bid Item List.

Contractor to install 6' Chain Link Fence (Type CL-6) and 2 ea. 16' Chain Link Gates (Type CL-6) as shown on the attached L-2A layout sheets. Fencing and Gates shall conform to the Caltrans 2022 Standard Plan and Section 80 of the 2022 Caltrans Specifications.

Cost for the fencing and gates are as follows:

1. 6' Chain Link Fence (Type CL-6) - 285LF - \$41,895.00
2. 16' Chain Link Fence (Type CL-6) - 2 ea - \$9,350.00

Total Lump Sum Price = \$51,245.00

Cost Includes regrading of areas as directed by the Engineer.

REQUESTED BY: ☒ Owner ☐ Contractor

REASONS: Add protective fence around area adjacent to bridge and gate access to levee for maintenance.

ORIGINAL CONTRACT WORKING DAYS:	120	Days
TIME EXTENSION ON PREVIOUS CHANGE ORDER(S):	113	Days
TIME EXTENSION FOR THIS CHANGE ORDER:	0	Days
REVISED CONTRACT WORKING DAYS:	233	Days

ORIGINAL CONTRACT AMOUNT:	\$ 6,176,906.00
AMOUNT PREVIOUS CHANGE ORDERS: (Additions)	\$ 77,938.77
AMOUNT PREVIOUS CHANGE ORDERS: (Deletions)	\$ -
AMOUNT THIS CHANGE ORDER:	\$ 51,245.00
REVISED CONTRACT AMOUNT:	\$ 6,306,089.77

ACCEPTED: CONTRACTOR

By: Roger Ellicock Roger Ellicock - VP / PM 2/3/2025
Name and Title Date

RECOMMENDED:

By: Glen March Glen March, Director 2/4/2025
Department of Public Works Name and Title Date

APPROVED: OWNER

By: _____
Board of Supervisors _____
Name and Title Date


































P.O. Box 990010 Redding, CA 96099-0010
 Phone: (530) 244-8464 Fax: (530) 244-8462
 CA. LIC. #796880








Cost Detail With Pricing

Project Name:	Chalk- Chainlink Fence CCO	Customer:	County Of Lake
Job Number:		Billing Address:	255 North Forbes Street
Bid As:			Lakeport, CA 95453 LAKE
Estimator:		Phone:	(707) 263-2341
Project Address:		Contact:	
Completion Date:			

Pay Items							
Description	Quantity	UM	Unit Direct Cost	Total Direct Cost	Unit Price	Total Price	Markup Percent
1 - 800360 - Chainlink Fence (Type CL-6)	285.00	LF	\$115.70	\$32,973.42	\$147.00	\$41,895.00	21.20%
Mobe In / Out	1.00	LS	\$5,790.00	\$5,790.00			
Trucking- 308 W/ Auger (1.00 DY, 2.50 Trucks, 0.25 EACH/HR)	2.00	EACH	\$1,600.00	\$3,200.00			
Trucking- Skidsteer (1.00 DY, 1.75 Trucks, 0.25 EACH/HR)	2.00	EACH	\$1,295.00	\$2,590.00			
11k LB Track Loader (wk)	0.00	HR	\$62.04	\$0.00			
Chain Link Fence (Sergio Estimated The Fence At \$32/ft For Materials)	285.00	LF	\$95.38	\$27,183.42			
Fence Install Crew (30.00 LF/PH, 0.95 DY)	285.00	LF	\$22.03	\$6,279.40			
Truck - Pickup (SEI)	9.50	HR	\$35.00	\$332.50			
LG1 [2]	9.50	HR	\$96.58	\$1,835.09			
OP3 [2]	9.50	HR	\$130.43	\$2,478.16			
Trlr - 14K Tilt Trailer (SEI)	9.50	HR	\$6.00	\$57.00			
Midi Exc 8-10 Ton (dy)	9.50	HR	\$103.92	\$987.23			
11k LB Track Loader (dy)	9.50	HR	\$62.04	\$589.42			
Post Drilling Crew (2.00 EACH/PH, 1.43 DY)	28.50	EACH	\$330.49	\$9,419.10			
Truck - Pickup (SEI)	14.25	HR	\$35.00	\$498.75			
LG1 [2]	14.25	HR	\$96.58	\$2,752.63			
OP3 [2]	14.25	HR	\$130.43	\$3,717.25			
Trlr - 14K Tilt Trailer (SEI)	14.25	HR	\$6.00	\$85.50			
Midi Exc 8-10 Ton (dy)	14.25	HR	\$103.92	\$1,480.85			
11k LB Track Loader (dy)	14.25	HR	\$62.04	\$884.12			
Post Setting Crew (6.00 EACH/PH, 0.48 DY)	28.50	EACH	\$110.16	\$3,139.70			
Truck - Pickup (SEI)	4.75	HR	\$35.00	\$166.25			
LG1 [2]	4.75	HR	\$96.58	\$917.54			
OP3 [2]	4.75	HR	\$130.43	\$1,239.08			
Trlr - 14K Tilt Trailer (SEI)	4.75	HR	\$6.00	\$28.50			
Midi Exc 8-10 Ton (dy)	4.75	HR	\$103.92	\$493.62			

Description	Quantity	UM	Unit Direct Cost	Total Direct Cost	Unit Price	Total Price	Markup Percent
<i>(Item 1 - 800360 - Chainlink Fence (Type CL-6) continued)</i>							
 11k LB Track Loader (dy)	4.75	HR	\$62.04	\$294.71			
 Concrete - Class III - (5.4 Sack +)	6.38	CY	\$348.56	\$2,225.22			
 Fence Fabric (6'x50')	6.00	EACH	\$256.31	\$1,537.88			
 Fence Post (2.38"x9')	28.50	EACH	\$55.41	\$1,579.11			
 Fence Braces, Fittings And Hardware	1.00	EACH	\$3,003.00	\$3,003.00			
D 2 - 802620 - 16' Chainlink Gate (Type CL-6)	2.00	EACH	\$3,689.67	\$7,379.34	\$4,675.00	\$9,350.00	20.86%
 Chain Link Gate	2.00	EACH	\$3,689.67	\$7,379.34			
 Post Drilling Crew (0.50 PH/EACH, 0.20 DY)	4.00	EACH	\$330.49	\$1,321.98			
 Truck - Pickup (SEI)	2.00	HR	\$35.00	\$70.00			
 LG1 [2]	2.00	HR	\$96.58	\$386.33			
 OP3 [2]	2.00	HR	\$130.43	\$521.72			
 Trlr - 14K Tilt Trailer (SEI)	2.00	HR	\$6.00	\$12.00			
 Midi Exc 8-10 Ton (dy)	2.00	HR	\$103.92	\$207.84			
 11k LB Track Loader (dy)	2.00	HR	\$62.04	\$124.09			
 Post Setting Crew (4.00 EACH/PH, 0.10 DY)	4.00	EACH	\$165.25	\$660.99			
 Truck - Pickup (SEI)	1.00	HR	\$35.00	\$35.00			
 LG1 [2]	1.00	HR	\$96.58	\$193.17			
 OP3 [2]	1.00	HR	\$130.43	\$260.86			
 Trlr - 14K Tilt Trailer (SEI)	1.00	HR	\$6.00	\$6.00			
 Midi Exc 8-10 Ton (dy)	1.00	HR	\$103.92	\$103.92			
 11k LB Track Loader (dy)	1.00	HR	\$62.04	\$62.04			
 Gate Installation Crew (2.00 PH/EACH, 0.40 DY)	2.00	EACH	\$1,321.98	\$2,643.96			
 Truck - Pickup (SEI)	4.00	HR	\$35.00	\$140.00			
 LG1 [2]	4.00	HR	\$96.58	\$772.67			
 OP3 [2]	4.00	HR	\$130.43	\$1,043.44			
 Trlr - 14K Tilt Trailer (SEI)	4.00	HR	\$6.00	\$24.00			
 Midi Exc 8-10 Ton (dy)	4.00	HR	\$103.92	\$415.68			
 11k LB Track Loader (dy)	4.00	HR	\$62.04	\$248.18			
 Concrete - Class III - (5.4 Sack +)	1.40	CY	\$348.56	\$487.99			
 Gate Post (3.5"x9')	4.00	EACH	\$138.70	\$554.80			
 Fence Braces, Fittings And Hardware	2.00	EACH	\$182.38	\$364.75			
 Gates (8' Dbl Wide)	2.00	EACH	\$672.44	\$1,344.88			

Indirect Items

Description	Quantity	UM	Unit Indirect Cost	Total Indirect Cost
 Safety (1% Labor)	1.00	LS	\$82.75	\$82.75
 Small Tools (1.5% Labor)	1.00	LS	\$124.13	\$124.13
 90105 - Time-Related Overhead (Ls)	1.00	LS	\$625.00	\$625.00
 Supervisor Lodging	0.25	CMO	\$2,500.00	\$625.00
 130100 - Job Site Management	1.00	LS	\$350.00	\$350.00
 Concrete Waste Management	1.00	WK	\$200.00	\$200.00
 Septic Management	1.00	WK	\$150.00	\$150.00

Direct Cost Totals

	Amount	Percent of Direct Cost
Labor:	\$16,117.94	39.94%
Equipment Owned:	\$1,455.50	3.61%
Equipment Rented:	\$5,891.69	14.60%
Materials Owned:	\$0.00	0.00%
Materials Purchased:	\$10,685.12	26.48%
Subcontracted:	\$0.00	0.00%
Trucking Owned:	\$0.00	0.00%
Trucking Hired:	\$6,202.50	15.37%
Miscellaneous:	\$0.00	0.00%
Plug:	\$0.00	0.00%
Direct Cost:	\$40,352.76	

Indirect Cost Totals

	Amount	Percent of Indirect Cost
Labor:	\$206.89	17.50%
Equipment Owned:	\$0.00	0.00%
Equipment Rented:	\$0.00	0.00%
Materials Owned:	\$0.00	0.00%
Materials Purchased:	\$0.00	0.00%
Subcontracted:	\$0.00	0.00%
Trucking Owned:	\$0.00	0.00%
Trucking Hired:	\$0.00	0.00%
Miscellaneous:	\$975.00	82.50%
Plug:	\$0.00	0.00%
Indirect Cost:	\$1,181.89	

Pay Item Summary

	Amount	Percent of Bid Price
Total Direct Cost:	\$40,352.76	78.74%
Total DC Adds/Cuts:	\$0.00	0.00%
Total Indirect Cost:	\$1,181.89	2.31%
Total Bond:	\$768.13	1.50%
Total Overall Cost:	\$42,302.78	82.55%
Total Overhead:	\$6,345.42	12.38%
Total Profit:	\$2,596.81	5.07%
Total Margin:	\$8,942.22	17.45%
Total Bid Price:	\$51,245.00	





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Phone: (530) 244-8464 Fax: (530) 244-8462
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Item Price Summary

Project Name: Chalk- Chainlink Fence CCO	Customer: County Of Lake
Job Number:	Billing Address: 255 North Forbes Street
Bid As:	Lakeport, CA 95453 LAKE
Estimator:	Phone: (707) 263-2341
Project Address:	Contact:
Completion Date:	

Pay Items

Description	Job Cost ID	Task JCID	Bid Quantity	UM	Unit Bid Price	Total Bid Price
 1 - 800360 - Chainlink Fence (Type CL-6)			285.00	LF	\$147.00	\$41,895.00
 2 - 802620 - 16' Chainlink Gate (Type CL-6)			2.00	EACH	\$4,675.00	\$9,350.00
Pay Items Total:						\$51,245.00

80 FENCES

80-1 GENERAL

80-1.01 GENERAL

Section 80-1 includes general specifications for constructing fences.

80-1.02 MATERIALS

A temporary fence must comply with the plan details and specifications for a permanent fence of the same type except:

1. Used materials may be incorporated in the fence if the materials are good, sound, and suitable for the intended purpose
2. Materials may be commercial quality if the dimensions and sizes of the materials are equal to or greater than the dimensions and sizes shown or specified in section 80
3. Post must be either metal or wood
4. The Department does not require:
 - 4.1. Galvanizing or painting of steel elements
 - 4.2. Treating wood with a wood preservative
 - 4.3. Concrete footings for metal posts

For concrete for a metal post or brace footing or for a deadman, use:

1. Commercial-quality aggregates and cementitious material
2. At least 470 pounds of cementitious material per cubic yard

A reinforcing bar must comply with ASTM A706/A706M.

80-1.03 CONSTRUCTION

Remove earth, trees, brush, and other obstructions that interfere with fence construction.

Connect new fences to existing fences.

Measure post spacing parallel to the ground slope. Place each post in a vertical position except where the Engineer orders you to set the post perpendicular to the ground surface.

Place a corner post with a brace for each direction of strain at each junction with an existing fence.

Fasten the wire in the new and existing fences to each post.

If ordered at a structure, connect the new fence to the structure such that stock can pass freely through or under the structure; otherwise, install an end post and connect the fence to it.

Crown each concrete footing to shed water.

After constructing a fence, uniformly spread the surplus excavated material along the adjacent roadway where designated by the Engineer.

80-1.04 PAYMENT

The payment quantity for fence is the length measured:

1. Parallel to the ground slope
2. Along the fence

The payment quantity does not include the width of openings.

~~80-2 BARBED WIRE AND WIRE MESH FENCES~~

~~80-2.01 GENERAL~~

~~80-2.01A Summary~~

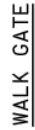
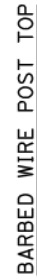
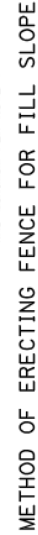
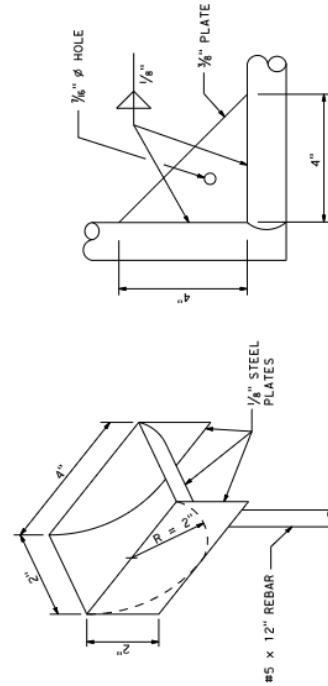
~~Section 80-2 includes specifications for constructing barbed wire and wire mesh fences.~~

~~80-2.01B Definitions~~

~~alignment angle: Change in a line where the angle of deflection is less than:~~



CENTER POST		
FENCE HEIGHT (Max)	SLATTED	D
ALL HEIGHTS	NO	1'-6"
5'-0"	YES	3'-0"
6'-0"	YES	3'-0"
8'-0"	YES	3'-6"
10'-0"	YES	4'-0"



NO SCALE

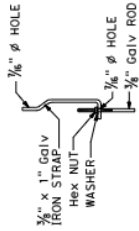
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DATE	COUNTY	ROUTE	POST MILE	SHEET NO.
			TOTAL PROJECT	TOTAL SHEETS

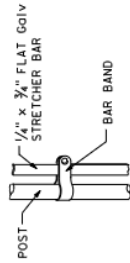
REGISTERED CIVIL ENGINEER	
August 1, 2022	
APPROVAL DATE	
THE STATE OF CALIFORNIA	
FOR AGENCIES SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THE PLAN SHEET	

NOTES:

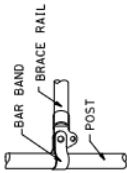
1. All material for abutment connection to be galvanized.
2. The chain link fabric shall be replaced by barbed wire strands at 12" maximum centers between the double posts.
3. When the width of the culvert makes it necessary to anchor a post to the top of the culvert, a cast iron shoe or other device approved by the Engineer shall be used.
4. Fencing over stream and around headwall may also use Barbed Wire or Wire Mesh Fencing with either wood post or steel post installation.
5. See Standard Plan A85 for Chain Link fence dimensions. See Standard Plan A86 for Barbed Wire and Wire Mesh fence dimensions and for wood post and steel post installation.



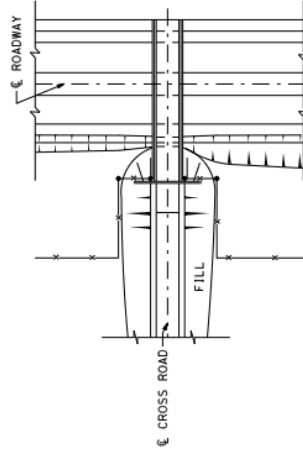
TRUSS TIGHTENER



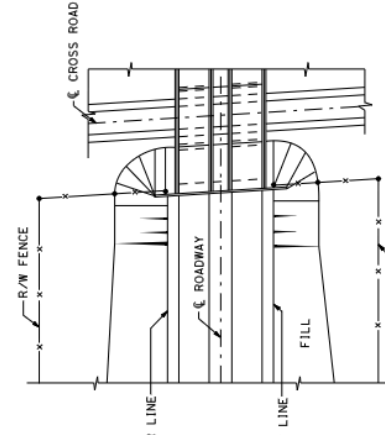
STRETCHER BAR



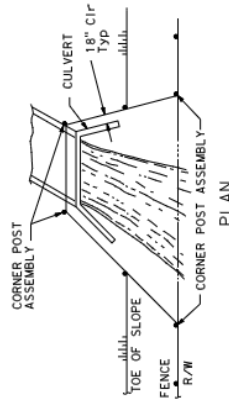
BRACE RAIL



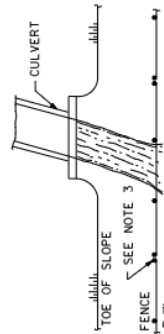
PLAN OF ROADWAY - OVERCROSSING



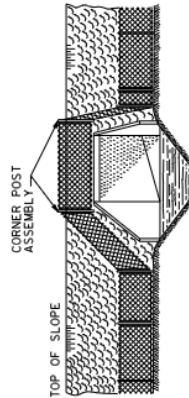
PLAN OF ROADWAY - UNDERCROSSING



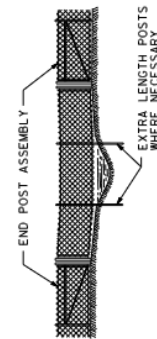
PLAN



PLAN



ELEVATION



ELEVATION

TYPICAL INSTALLATION AT BRIDGES

INSTALLATION AROUND HEADWALL

INSTALLATION OVER STREAM

See Note 4

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CHAIN LINK FENCE DETAILS

NO SCALE

A85B

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