

MEMORANDUM

DEPARTMENT OF PUBLIC WORKS
County of Placer

TO: BOARD OF SUPERVISORS
DATE: JUNE 17, 2014

FROM: KEN GREHM / MATT RANDALL

SUBJECT: FORESTHILL ROAD BRIDGE SEISMIC RETROFIT AND PAINT PROJECT
CONTRACT NO. 1074 – NOTICE OF COMPLETION

ACTION REQUESTED / RECOMMENDATION

1. Adopt a Resolution accepting the Foresthill Road Bridge Seismic Retrofit and Paint Project as complete.
2. Authorize the Director of Public Works to execute the Notice of Completion for the Foresthill Road Bridge Seismic Retrofit and Paint Project. There is no net County cost.

BACKGROUND/SUMMARY

The Board awarded Construction Contract No. 1074 to Golden State Bridge, Inc., on December 14, 2010, for \$58,374,849.00, and authorized the Director of Public Works to execute the contract and CCO's up to five percent, in an amount of \$2,918,742.45, for a total approval amount of \$61,293,591.45.

The construction contract completed the seismic retrofit and painting of the Foresthill Road Bridge. The project included: removal and replacement of existing structural steel elements and gusset plates, modification of abutment transverse shear walls, placement of abutment rock anchors, installation of buckling restrained brace systems, modification and replacement of transverse shear keys, installation of new steel stringers and concrete decking, removal of the existing lead paint and cleaning of the structural steel, painting structural steel, replacing the bridge pedestrian railing, treating the bridge deck with methacrylate and constructing a new catwalk system. Construction work began on January 13, 2011 was completed on May 6, 2014.

ENVIRONMENTAL

The Board of Supervisors certified and approved the Initial Study / Mitigated Negative Declaration (IS/MND) with the required findings and mitigations on September 22, 2009.

FISCAL IMPACT

The final construction cost is \$60,778,596.48 which has been accepted by the Contractor with no exception. There were forty-six (46) Contract Change Orders (CCO) issued during this project. A contract data and change order summary is attached as Exhibit A. The Project began as two separate projects: a seismic retrofit project and a re-painting project. The entire project is funded by 88.53% Highway Bridge Program (HBP) funds. The seismic portion received 11.47% from the Proposition 1B Local Bridge Seismic Retrofit Account (LBSRA) thus being 100% federally and state funded. All non-seismic work used a combination of State Proposition 1B Local Streets and Roads and local road funding for the 11.47% match needed. There is no net cost to the County.

Attachments: Resolution
Location Map
Notice of Completion
Contract Summary
Contractor Acceptance Statement

**Before the Board of Supervisors
County of Placer, State of California**

Resol. No:.....

In the matter of: A RESOLUTION ACCEPTING THE IMPROVEMENTS AS COMPLETE AND AUTHORIZING THE DIRECTOR OF PUBLIC WORKS TO EXECUTE A NOTICE OF COMPLETION FOR THE FORESTHILL ROAD BRIDGE SEISMIC RETROFIT AND PAINT PROJECT CONTRACT NO. 1074

The following RESOLUTION was duly passed by the Board of Supervisors of the County of Placer at a regular meeting held _____,

by the following:

Ayes:

Noes:

Absent:

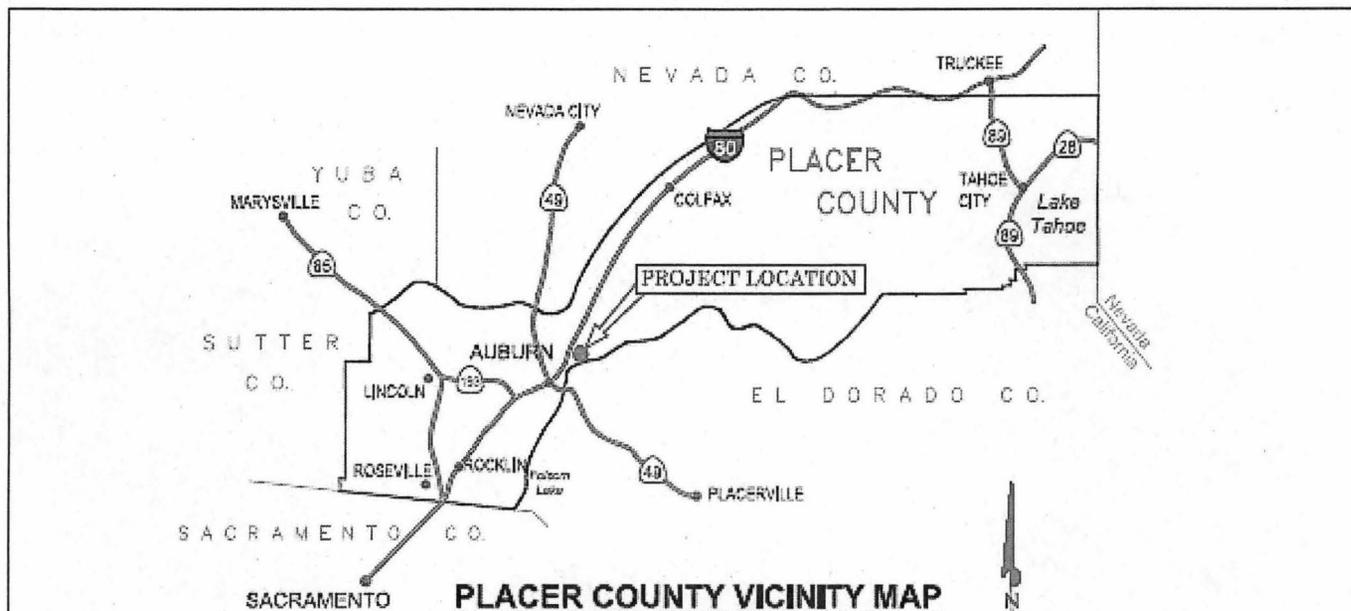
Signed and approved by me after its passage.

Attest:
Clerk of said Board

Chair, Board of Supervisors

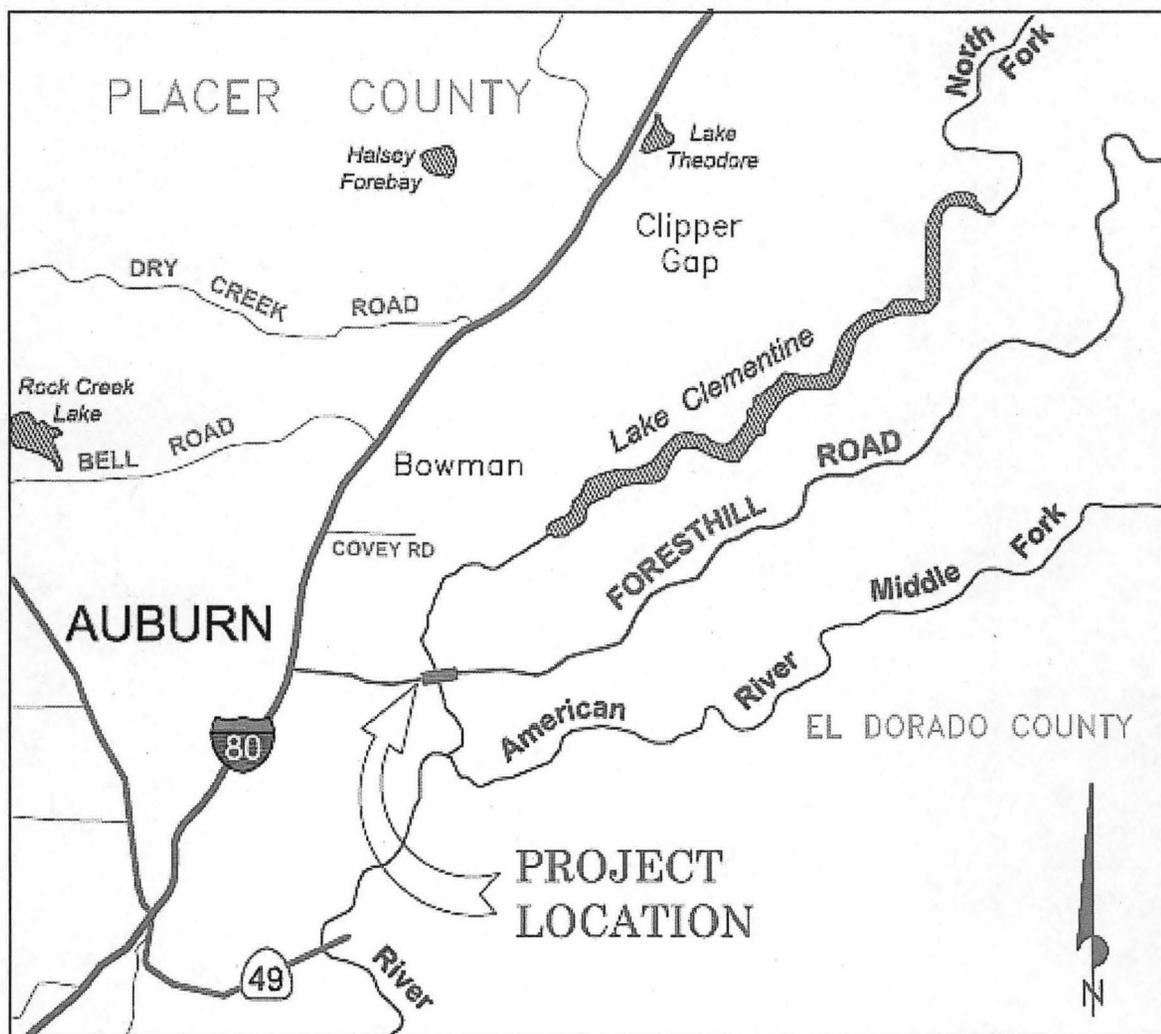
BE IT HEREBY RESOLVED by the Board of Supervisors of the County of Placer, State of California, that this Board adopts this Resolution Accepting the improvements as complete and authorizes the Director of Public Works to execute a Notice of Completion for the construction of the FORESTHILL ROAD BRIDGE SEISMIC RETROFIT AND PAINT PROJECT CONTRACT NO. 1074.

LOCATION MAP



PLACER COUNTY VICINITY MAP

NO SCALE



FORESTHILL BRIDGE PROJECT LOCATION MAP

NO SCALE

Exhibit 'A'

MEMORANDUM

DEPARTMENT OF PUBLIC WORKS
County of Placer

TO: KEN GREHM DATE: June 17, 2014
FROM: MATT RANDALL
SUBJECT: NOTICE OF COMPLETION FOR THE FORESTHILL ROAD BRIDGE
SEISMIC RETROFIT AND PAINT PROJECT, CONTRACT NO. 1074,
CONTRACT SUMMARY

Contractor: Golden State Bridge, Inc.

Work Completed: May 6, 2014

Preliminary Estimate.....	\$	65,330,543.60
(1) Contract Award.....	\$	58,374,849.00
(2) Final Contract Cost:		
Completed Contract Items	\$	58,094,633.45
Contract Change Orders	\$	2,403,747.48
Construction Deduct	\$	(0.00)
TOTAL	\$	<u>60,778,596.48</u>

Percent of Increase (Final Contract Cost vs. Contract Award) 4.12%

CONTRACT CHANGE ORDER SUMMARY:

Foresthill Bridge Seismic Retrofit and Paint Project

Original Contract	\$ 58,374,849.00
Original Contingency	\$2,918,742.45

CCO No	Subject	Amount	Type
1	Traffic Control, Signs & Striping	\$5,000.00	EW@FA
1 S1	Additional Funds	\$15,000.00	EW@FA
1 S2	Additional Funds	\$20,000.00	EW@FA
1 S3	Additional Funds	\$10,000.00	EW@FA
1 S4	Additional Funds	\$20,000.00	EW@FA
1 S5	Additional Funds	\$20,000.00	EW@FA
1 S6	Additional Funds	\$10,000.00	EW@FA
2	RE Trailer	\$40,700.00	EW@FA & EW@LS
2 S1	Additional Funds for PG&E	\$5,000.00	EW@FA
2 S2	Additional Funds for PG&E & Trailer Jan to April 2014	\$4,682.80	EW@FA & EW@UP
3	WPCP-SWPPP Change Order	\$50,000.00	EW@FA
3 S1	Erosion Control Substitution	\$9,269.00	AIC@LS
4	Credit for Security	(\$122,500.00)	AIC@LS
5	Gloss Retention	(No Cost)	AIC@LS
6	Dispute Resolution Board	\$50,000.00	EW@FA
7	Pedestrian Railing Picket	\$21,473.00	EW@LS
7 S1	Pedestrian Railing Drill & Galvanize	\$95,984.00	EW@LS
7 S2	Pedestrian Railing Grind Channels & Cut Threaded Studs	\$31,386.00	EW@FA & EW@LS
8	Cored Hole Encountered Vertical Rebar	\$3,520.00	AIC@LS & ITEM
9	Resequencing per RFI #3	(No Cost)	EW@LS
10	Temporary Bracing Anchors; Abut 1 Concrete Over Footings	\$2,120.00	EW@LS
11	Roller Bearing Material Substitutions	(No Cost)	AIC@LS
12	Buckling Restrained Brace (BRB) UCSD Test Cost Escalation	\$1,916.20	AIC@LS
13	Federal Training - Apprenticeship Reimbursement	\$14,400.00	EW@UP
14	BRB Anchorage Relocation at Abutments 1 & 2	\$6,385.00	EW@LS
15	Modify Steel Components	\$20,000.00	EW@FA
15 S1	Additional Funds	\$40,000.00	EW@FA
15 S2	Additional Funds	\$30,000.00	EW@FA
15 S3	Additional Funds	\$20,000.00	EW@FA
16	Catwalk Grating Blast, Prime & Paint in Place	(No Cost)	AIC@LS
17	Replace Joint Seal Assemblies WB & EB Structure MR=30'	\$172,613.54	ITEM+EW@FA&LS
17 S1	Additional Funds	\$150,000.00	EW@FA
18	HMPB (GSB & FDT)	\$81,600.00	EW@FA
18 S1	Additional Funds for HMPB	\$4,000.00	EW@FA
19	Gap Tolerances NOPC #2 (withdrawn)	\$50,000.00	EW@FA
20	Fire Plan (Revised)	(No Cost)	AIC@LS
21	Add'l Shop Dwg & Fabrication Packages 1 & 2	\$77,832.00	AIC@LS
21 S1	Add'l Shop Dwg & Fabrication Package 3	\$8,794.00	AIC@LS
21 S2	Add'l Shop Dwg & Fabrication Package 4	\$56,903.00	AIC@LS
22	Cherokee Bar Gate Coating	(No Cost)	AIC@LS
23	Extension Spring, Bearing Mod & HS Rods @ Piers 2 & 3	\$148,480.00	AIC@LS & EW@FA
23 S1	Additional Funds	\$50,000.00	EW@FA
23 S2	Additional Funds	\$30,000.00	EW@FA

24	Alternative Painting Procedure (Existing Structural Steel Faying Surfaces)	(No Cost)	AIC@LS
25	Improve Drainage Inlets & Guardrail	\$40,000.00	EW@FA
26	Add'l Shop Dwg & Fabrication Pck 5 - Catwalk	\$39,253.20	AIC@LS & ITEM
27	Replace Bolts @ Exp Bearings (Deck Expansion Jt)	\$30,000.00	EW@FA
28	Clip Existing Floor Beam Stiffeners - G Bracket	\$21,495.00	AIC@LS
29	Paint Material Sub at Galvanized Fasteners	\$5,361.00	AIC@LS
30	Catwalk Ladders & NOPC #4 Settlement	\$184,601.75	AIC@LS
31	Additional Catwalk Details	\$416,515.63	AIC@LS & FA
32	Vertical Ladders at Abutments #1 and #2	\$89,474.26	AIC@LS
33	Pedestrian Path Improvements	\$141,503.27	EW@LS + ITEM
33 S1	Additional Ped Path Improvements - SE Quadrant	\$30,597.41	EW@LS
33 S2	Additional Ped Path Improvements - NE Quadrant	\$75,182.54	EW@LS + ITEM
33 S3	NE Pedestrian Path Dike & Guardrail Alignment	\$11,877.80	EW@FA & EW@UP
34	Modify Catwalk Components	\$30,000.00	EW@FA
34 S1	Additional Funds	\$20,000.00	EW@FA
35	New Handrail in Abutment Houses	\$106,724.44	EW@FA & EW@LS
36	Abut Doors in Abutment Houses	\$6,000.00	AIC@LS
37	Immersion Service & Weep Holes	\$10,000.00	EW@FA
38	Lamination Repair U7 - U8	\$35,000.00	EW@FA
39	U15 Angle Replacement	\$10,000.00	EW@FA
40	Heat Straightening	\$50,000.00	EW@FA
41	Pedestrian Rail Post Replacement	\$1,500.00	EW@FA
42	State Park Gates Layout & Detail	(No Cost)	EW@FA
43	Final Striping, Micro Surfacing, Deck Drains	\$98,885.48	AIC@UP, EW@FA & EW@LS, ITEM
43 S1	Additional Micro Surfacing & Striping	\$38,401.04	EW@LS
44	Closeout Deferred Time CCO's	\$0.00	AIC@LS
45	Temporary Highway Deterrents	\$8,058.00	EW@LS
46	Final Balancing Change Order	(\$351,241.88)	ITEM+ EW@FA+EW@UP

\$ 2,403,747.48

Revised Contract	\$ 60,778,596.48
Contingency Balance - Executed CCO's	\$ 514,994.97



PLACER COUNTY
DEPARTMENT OF PUBLIC WORKS

Ken Grehm, Director
Peter Kraatz, Deputy Director

ACCEPTANCE STATEMENT

Project Name: FORESTHILL ROAD BRIDGE SEISMIC RETROFIT AND PAINT PROJECT

Contract No. 1074

I have examined the quantities of contract items and amounts indicated as payment for extra work and deductions on the Proposed Final Estimate dated May 12, 2014 and find them to be correct. I agree to the amounts listed below, as total amount earned for all work performed on the above contract except as may be indicated below.

Contract Items (as detailed on the attached)	\$58,094,633.45
Contract Change Order Work	\$2,683,963.03
Total Work done	\$60,778,596.48
Deductions	\$ 0.00
TOTAL AMOUNT DUE TO CONTRACTOR	\$60,778,596.48

EXCEPTIONS (check one)

Approved by Contractor:

- NONE
- As indicated per attached letter dated: _____

By *Daniel Rusk*
Title PRESIDENT
Date 5/27/2014