

Construction Support Only

PROJECT CHANGE REQUEST

PROJECT ID. 0200000016

DISTRICT/EA 02-0E090 PPNO 3346 PGM Doc. SHOPP PGM Del FY 2015 PROG CODE 20.XX.201.113

Cty Rte PM Description

PROJECT (SCOPE) DESCRIPTION: SHA 5 R29.3/R30.0 and 45.5 In Shasta County about 8 miles north of Shasta Lake City and near Lakehead at Sidehill Viaduct and at Dog Creek Bridge.

DOES THIS PROJECT INVOLVE PROPOSITION 1B FUND(S)? NO YES TYPE(S) (CMIA, Route 99, STIP, SHOPP, etc.) _____

SCOPE, COST & SCHEDULE CHANGES

TYPE OF REQUEST: PGM COST PGM YEAR SCOPE SPLIT / COMBINE OTHER: _____

COMPONENT Change (\$'s in 1,000's)

	EXISTING (PROGRAMMED)		PROPOSED		COST EXPENDED to Date % COMPLETE			COST CHANGE			
	Value	FY	Value	FY	Expended	% Expended	% Complete	Value	Value%	Yrs	Type
PA&ED	\$671	14/15	\$2,300 2228	14/15	\$2,228	100%	100%	\$1,629 1557	243% 232	14/15	C
PS&E	\$1,278	14/15	\$3,100	14/15	\$202	1%	50%	\$1,822	143%	14/15	B
R/W SUP	\$52	14/15	\$104	14/15	\$10	10%	10%	\$52	100%	14/15	B
CON SUP	\$1,770	14/15	\$4,090	14/15	\$0	0%	0%	\$2,320	131%	14/15	A
R/W CAP	\$82	14/15	\$240	14/15	\$14	6%	6%	\$158	193%	14/15	B
CON CAP	\$22,961	14/15	\$22,961	14/15	\$0	0%	0%	\$0	0%	14/15	N/A

Construction Capital: \$10.961M in SHOPP and \$12M in OTS

Total	\$26,814	\$32,793	\$2,454	\$5,969	122%
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WHAT PHASE IS THE PROJECT IN? PRE-PGM DELIVERY YR PGM DELIVERY YR & PRE VOTE POST VOTE

Cost Change Type	Description	Data Systems Changed	
	Cost Change Request Types	Programmed Budget	Approved Cost
A	Programming Cost Change	CTIPS	AMS Advantage
B	Headquarters Cost Approval		AMS Advantage
C	District Cost Documentation		
NA	No Change Proposed		
	Supplemental Funds Requests		
SFR	Supplemental Funds Request		AMS Advantage If Expenditures < 100%

Cty - Rte - PM - Description

New Project Description: SHA 5 R29.3/R30.3 and 45.5 In Shasta County about 8 miles north of Shasta Lake City and near Lakehead at Sidehill Viaduct and at Dog Creek Bridge.

(Only If Revised)

"010" Safety Project? Yes No

Project
Performance

EXISTING (PROGRAMMED)	PROPOSED	PERFORMANCE CHANGE		
<u>2</u> Bridges Value Units	<u>2</u> Bridges Value Units	<u>0</u> Value	<u>0</u> Units	<u>0</u> %

(SHOPP PRIMARY PERFORMANCE
OUTPUT BY PROGRAM CODE)

1.) WHAT IS THE PROPOSED CHANGE?

The Sidehill Viaduct was originally programmed to only address seismic deficiencies. The proposed change in scope calls for replacement of the Sidehill Viaduct structure. As a result of this change in scope, several support components, along with the right of way and construction capital components, are projected to overrun.

**2.) COMPLETE THE FOLLOWING REGARDING THE LATEST TWO COST ESTIMATES.
(\$'s in 1,000's.)**

1. ESTIMATE DATE: 01/13 (MM/YY), Con Capital \$10,961, RW Capital \$82.
2. ESTIMATE DATE: 04/14 (MM/YY), Con Capital \$22,961, RW Capital \$163.

3.) WHAT WAS THE REASON FOR THE CHANGE?

Operational and safety related needs were identified at the Sidehill Viaduct location, that would not be addressed by a seismic retrofit strategy. Taking into account all of the needs/deficiencies associated with this structure, inclusive of seismic, safety and operational, a life cycle cost analysis concluded that the most cost-effective strategy was to replace the structure.

4.) WHEN WAS THE CHANGE DISCOVERED?

The need for replacing this structure became evident upon completion of the lifecycle cost analysis in the Spring of 2013.

5.) WHAT HAS BEEN DONE TO MINIMIZE ANY CHANGE?

The replacement structure will be designed with an arch support which will span the Union Pacific Railroad right of way and avoid costly impacts to the railroad tunnel below, and in turn reduce right of way and design support costs.

6.) WHAT CAN BE CONSTRUCTED WITH THE PROGRAMMED FUNDS?

The proposed seismic retrofit work at the Dog Creek location can be constructed with the currently programmed funds. In an effort to keep the capital construction component within the programmed amount, the contingency has been reduced from 20% to roughly 10%. By reducing the contingency to roughly 10%, risk has been introduced into this component and the chance of overrunning this component has been increased.

7.) IF THE SCOPE IS REDUCED OR SPLIT, WOULD THE REMOVED WORK NEED TO BE REPROGRAMMED OR ADDED TO ANOTHER PROJECT?

N/A

8.) IS A SUPPLEMENTAL SCOPING DOCUMENT NEEDED? IF YES, STATUS?

The project report documented the change in scope at the Sidehill location.

9.) WAS A VALUE ANALYSIS STUDY CONDUCTED? EXPLAIN THE RESULTS OF THE STUDY OR WHY A STUDY WAS NOT CONDUCTED?

No, a value analysis was not conducted, however a multi-disciplined approach was used in preparing the life-cycle cost analysis. This multi-disciplined team approach also reached consensus on the strategy to replace the Sidehill Viaduct structure.

10.) COST - WHERE WILL THE REQUIRED FUNDS COME FROM?

OTS funds in the amount of \$12M have been committed to augment the capital construction component, for a total of \$22.961M. An additional \$5.823M is needed to cover the support costs increases attributable to the change in scope, and an additional \$158K is needed to fund an overrun in right of way capital. These overruns will be covered by additional funds from SHOPP statewide savings.

11.) PRIOR PCRs – LIST OTHER PCRs PREVIOUSLY APPROVED.

None

PROJECT CONCURRENCE

12.) (A) (STIP-RIP) WHEN DID THE DISTRICT DISCUSS THIS WITH HEADQUARTERS STIP PROGRAM MANAGER AND THE RTPA OR COUNTY TRANSPORTATION COMMISSIONS STAFF? EXPLAIN THEIR REACTION.

N/A

(B) (STIP-IIP) WHEN DID THE DISTRICT DISCUSS THIS WITH HEADQUARTERS STIP PROGRAM MANAGER? EXPLAIN THEIR REACTION.

N/A

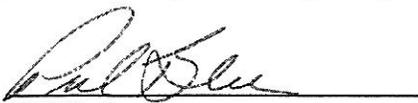
(C) (SHOPP) WHEN DID THE DISTRICT DISCUSS THIS WITH THE HEADQUARTERS PROGRAM MANAGER? EXPLAIN THEIR REACTION.

A meeting was held in Sacramento on November 13, 2013 with Mike Johnson, HQ Bridge Program Manager present. Mike concurred with the direction to replace the Sidehill Viaduct structure. On May 1, 2014 Shirley Choate informed Mike Johnson of the anticipated overrun in support costs.

13.) LESSONS LEARNED, NEW STRATEGIES (What new information pertaining to this project could be beneficial to others?)

Changing scope post-PID is typically inefficient and adds additional cost to the project. All of the needs associated with a project should be documented in the PID (asset management) and a plan should be developed so that each program pays the commensurate share to address each program's respective deficiencies.

14.) District Project Manager Signature



Phil Baker
District Project Manager

10-7-14
Date

(530) 225 - 3180
Phone Number



Ed Lamkin
Deputy District Director
Program/Project Management

10/7/14
Date

APPROVAL - COMMENTS - CONCERNS

PD Concurrence

PD Objections (detail concerns):

15.) Comments - Concerns:

As previously discussed & agreed to w/ Jim Davis & Rich Guevel in Sept of this yr.



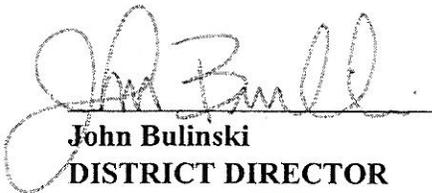
Jim Deluca
HQ Project Delivery Coordinator

10/8/14
Date

APPROVAL

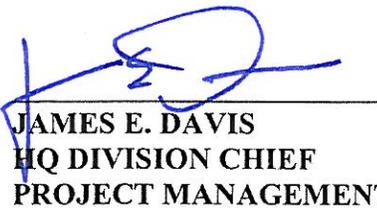
Approve Deny No HQ Action

Cost	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scope	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Schedule	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Split / Combine	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Revise & Resubmit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



John Bulinski
DISTRICT DIRECTOR

10/7/14
Date



JAMES E. DAVIS
HQ DIVISION CHIEF
PROJECT MANAGEMENT

10/10/14
Date



RACHEL FALSETTI
HQ DIVISION CHIEF
TRANSPORTATION PROGRAMMING

10/10/14
Date

REQUIRED ATTACHMENTS

- (a) Attach 1 page copy (screenprint) of project workplan/status schedule.
- (b) Attach the current CTIPS project information.
- (c) PCR Data Worksheet, if applicable (for splits/combines).
- (d) For STIP Projects, please attach the latest Project Programming Request (PPR).
- (e) Summary Cost Estimates, if/when needed.

PROJECT ID. 02 0000 0016
DISTRICT/EA 02-0E090

State Highway Operation and Protection Program

Shasta County

Document Year 2014, Version Number 2

PPNO: 3346

(Dollars in Thousands)

DIST: 02	PPNO: 3346	EA: 0E090	CTIPS ID: 111-0000-0224	TCRP No.	TITLE (DESCRIPTION): (Near Shasta Lake, at Sidehill Viaduct No. 06-0042L; also at Dog Creek Bridge No. 06-0027 (PM 45.5). Seismic retrofit bridges.)	ELEMENT: SHOPP Major Const.	MPO ID: 11
CT PROJECT ID: 02-0000-0016						SPONSOR: Caltrans	
COUNTY: Shasta County						MPO: Shasta County RTPA	
ROUTE: 5						CORRIDOR:	
PM 29.5 / 30.0						PRJ MGR: Phil Baker	
						PHONE: (530) 225-3180	LAW: 12
						EMAIL: Phil_Baker@dot.ca.gov	

ASSEMBLY: 2	SENATE: 4	CONGRESS: 2	IMPLEMENTING AGENCIES:	PAED	PSE	RW	CON
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PROJECT VERSION HISTORY (Printed Version is Shaded) (Last 9 versions displayed)

Version	Status	Date	Updated By	Change Reason	Amend No.	Vote	Cum Award	Programmed Dollars in Thousands - Total For Project					Con Sup
								Prog Con	Prog RW	PA & ED	PS & E	RW Sup	
2	Official	03/26/14	DBERRY	Approved - Carry Over				10,961	82	671	1,278	52	1,770
1	Official	09/28/12	AGREGORI	Amendment - New Project	12H-125			10,961	82	671	1,278	52	1,770

Fund Source 1 of 1	SHOPP - Bridge Preservation	PRIOR	14/15	15/16	16/17	17/18	18/19	19/20	FUTURE	TOTAL
20.XX.201.113 - Bridge Seismic Restoration		PA&ED	671							671
Fund Type:		PS&E	1,278							1,278
Bridge - State (HBRR)		RW SUP	52							52
		CON SUP	1,770							1,770
		RW	82							82
		CON	10,961							10,961
		Total:	14,814							14,814

HQ Comments:
 ***** Version 2 - 03/26/2014 *****
 Carryover project from 2012 to 2014 SHOPP
 ***** Version 1 - 10/02/2012 *****
 Made Amendment 12H-125 - ACG
 Entered new 2012 SHOPP project - RW

Guevel, Rick L@DOT

From: Baker, Phil R@DOT
Sent: Friday, October 10, 2014 12:29 PM
To: Deluca, Jim J@DOT; Lamkin, Edward B@DOT
Cc: Lonnborg, Wendy L@DOT; Afhami, Reza@DOT; Guevel, Rick L@DOT
Subject: RE: 02-0E090 (2-Sha-5, Sidehill Viaduct)

Jim,
I sue appreciate your help getting closure on this one.

From: Deluca, Jim J@DOT
Sent: Friday, October 10, 2014 11:03 AM
To: Lamkin, Edward B@DOT; Baker, Phil R@DOT
Cc: Lonnborg, Wendy L@DOT; Afhami, Reza@DOT; Guevel, Rick L@DOT
Subject: 02-0E090 (2-Sha-5, Sidehill Viaduct)

Ed/Phil,
Jim Davis signed off on the updated PCR this morning and I just left it with Rick Guevel who said he'll sign off for Programming (for the Construction Support cost increase).