State of California
DEPARTMENT OF TRANSPORTATION

Business, Transportation and Housing Agency

Memorandum

TAB 101

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: March 5, 2013

Reference No.: 2.5e.(4)
Action Item

PASSED BY CTC MAR 5 2013 CALIFORNIA TRANSPORTATION COMMISSION

From: NORMA ORTEGA
Chief Financial Officer

Prepared by: Rachel Falsetti
Division Chief
Transportation Programming

Subject: **ALLOCATION FOR SUPPLEMENTAL FUNDS FOR PREVIOUSLY VOTED PROJECT RESOLUTION FA-12-19**

RECOMMENDATION:

The California Department of Transportation (Department) recommends that the California Transportation Commission (Commission) allocate an additional $2,961,000 for the State Highway Operation and Protection Program (SHOPP) project identified below.

ISSUE:

Additional funds are needed for this previously approved project in order to award the construction contract.

RESOLUTION:

Resolved, that $2,961,000 be allocated from the Budget Act of 2012, Budget Act Item 2660-302-0890 to provide additional funds to allow the following project to be awarded.

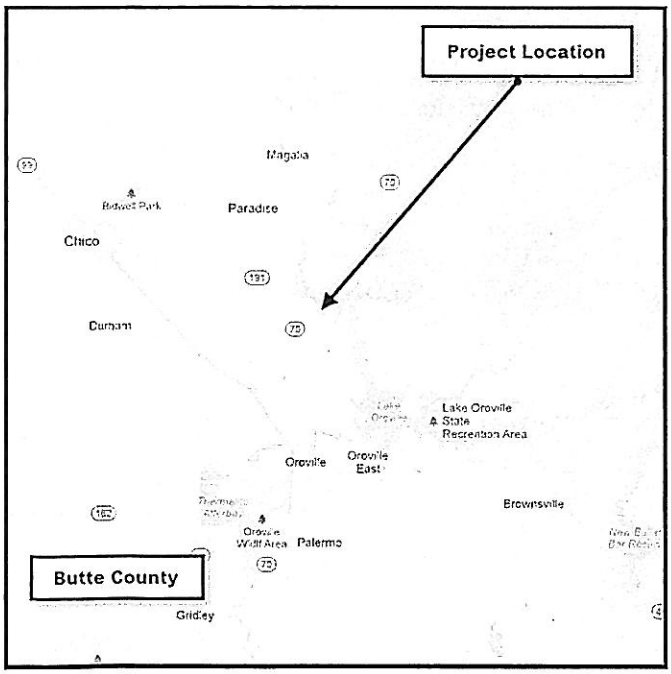
Project	Dist-Co-Rte	Original Allocated Amount	Current Allocation	Allocation Adjustment	Revised Allocation	% Increase Above Current Allocation
1	03-But-70	$4,040,000	$ 4,040,000	$2,961,000	$7,001,000	73.3%

Project # Allocation Amount Recipient RTPA/CTC Dist-Co-Rte Postmile	Project Title Location Project Description	PPNO Program Budget Item # Fund Type Program Codes Project ID Adv Phase EA	State Federal Current Amount by Fund Type	State Federal Additional Amount by Fund Type	State Federal Revised Amount by Fund Type
2.5e.(4) Supplemental Funds for Previously Voted Projects					**Resolution FA-12-19**
1 $2,961,000 Department of Transportation Butte 03-But-70 28.2	Near Oroville, at West Branch Feather River Bridge (#12-0134). Outcome/Outputs: Seismic retrofit one bridge and repair of damaged worn elements. Supplemental Funds needed to award contract. Total Revised Amount: $7,001,000	03-2269 SHOPP 2012-13 302-0042 SHA 302-0890 FTF 20.20.201.113 0300000266 4 1E5104	$81,000 $3,959,000	 $2,961,000	$81,000 $6,920,000

PROJECT DESCRIPTION:

This project is located in Butte County, near Oroville, at the West Branch Feather River Bridge. Based on bridge inspections and design analysis, the West Branch Feather River Bridge needs to be retrofitted for future seismic activity. Missing and broken rivets need to be replaced with high strength bolts. The structure also requires replacement of missing or damaged expansion joints. The Flexoguard pilot study pavement on Deck Span No. 7 has performed poorly and needs to be replaced with current approved polymer overlay. This project will replace cracked or missing rivets with high strength bolts, placement of polymer overlay, spot blast and paint, install fall arrest system at Piers 7-11 and clean and replace expansion joints.

PROJECT LOCATION:



FUNDING STATUS:

The project was programmed in the 2012 State Highway Operations Protection Program (SHOPP) for $16,302,000 for construction in Fiscal Year (FY) 2012-13 and was voted for $4,040,000 in September 2012. Bids for this project were opened on September 28, 2012. Six bids were received for this project. The lowest bidder did not make the good faith effort commitments and therefore was disqualified. It is proposed to award the contract to the second low bidder. The amount needed to award the contract is $7,001,000. This request for $2,961,000 in supplemental funds results in an overall increase of 73.3 percent over the original vote amount. This contract will be awarded upon approval of this supplemental funds request.

REASONS FOR COST INCREASE:

The Department performed a bid analysis to evaluate the differences between the engineer's estimate and the contract bid items. The contract has 73 bid items. Significant increases on bid items for the actual work related to the structural, construction site management and traffic control.

Bid Item	Engineer's Estimate	Low Bid Amount	Increase
Structural Concrete, Bridge	$611,600	$1,440,040	$828,440
Preparation and Paint Items	$584,955	$1,362,935	$777,980
Erect Structural Steel (Bridge)	$42,772	$459,795	$417,023
Mobilization	$347,000	$625,000	$278,000
Structural and Reinforcing Steel	$591,103	$790,358	$199,255
Bridge Removal (Portion)	$4,000	$125,000	$121,000
Reconstruct Metal Walkway Grate	$11,000	$93,000	$82,000
Drill and Grout Reinforcing Steel	$149,734	$215,665	$65,661
Traffic Items	$152,200	$211,120	$58,920
Bridge Deck Items	$42,095	$83,324	$41,229
Fall Arrest System Cable	$60,000	$97,500	$37,500
Construction Site Management	$10,000	$37,500	$27,500
Miscellaneous Adjustment			$26,492
		Total	**$2,961,000**

The access at this bridge site is more complex and requires a work scaffolding or platform and protection for the railroad across the entire truss span over the Feather River. It was assumed that separate work platforms would be necessary for access to the upper and lower portions of the structure and for protection from items falling from the bridge into Lake Oroville. Therefore, two items with associated cost were developed for these work platforms. It was later decided that existing specifications and special provisions made it unnecessary to have separate bid items for this work. The item was deleted, but the Engineer's Estimate was not adjusted to account for this site's access requirements. Bidders, in accordance with the special provisions, included costs to capture this work, and the costs were distributed to the affected items listed above.

These conditions are the primary contributors to the discrepancy between the Engineer's Estimate and the low bid. An additional $2,961,000 in supplemental funds is needed in order to award this project to the low bidder.

FUNDING OPTIONS:

OPTION A: Approve this request as presented above for $2,961,000 to allow this project to be awarded.

OPTION B: Deny this request and direct the Department to down scope the project to remain within the allocated amount. The Department considered this option and determined that reducing the scope of work on this project, and executing another project to complete the deleted work later would result in greater costs and more disruption to the traveling public.

RECOMMENDED OPTION:

The Department recommends that this request of $2,961,000, as presented in Option A above, be approved to award the project to the low bidder.