

Memorandum

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: March 16-17, 2016

Reference No.: 2.5e.(10)
Action Item

From: NORMA ORTEGA
Chief Financial Officer

Prepared by: Bruce De Terra, Chief
Division of
Transportation Programming

Subject: ALLOCATION FOR SUPPLEMENTAL FUNDS FOR PREVIOUSLY VOTED PROJECT
RESOLUTION FA-15-29

RECOMMENDATION

The California Department of Transportation (Department) recommends that the California Transportation Commission (Commission) allocate an additional \$6,855,000 for one State Highway Operation and Protection Program (SHOPP) project identified below.

ISSUE

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

RESOLUTION

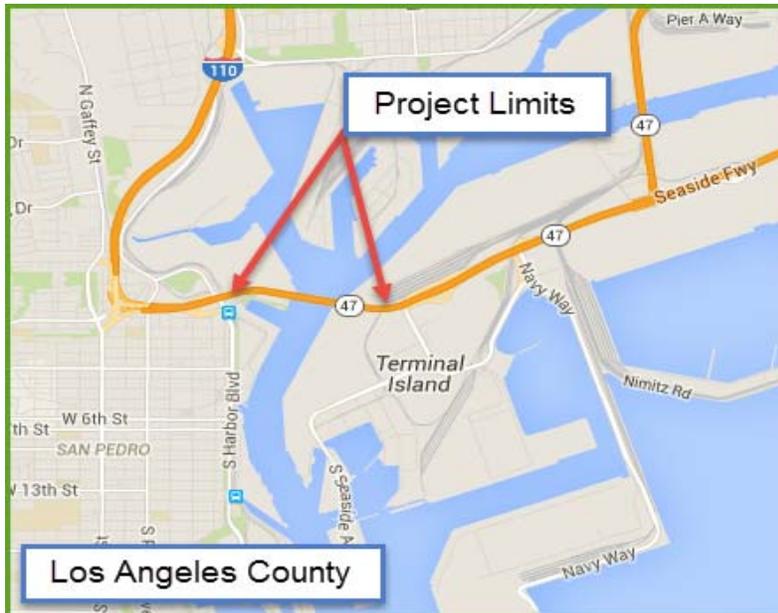
Resolved, that \$6,855,000 be allocated from the Budget Act of 2014, Budget Act Item 2660-302-0042 and 2660-302-0890, to provide funds to award the following project.

	Original	Allocation	Revised	% Increase
<u>Dist-Co-Rte</u>	<u>Allocation</u>	<u>Adjustment</u>	<u>Allocation</u>	<u>Above Original</u>
07-LA-47	\$10,650,000	\$6,855,000	\$17,505,000	64.4%

PROJECT DESCRIPTION

The project is located on Route 47 on the Vincent Thomas Bridge in Los Angeles County from 0.9 mile to 2.0 miles. This seismic retrofit project will repair structural elements.

PROJECT LOCATION



FUNDING STATUS

This project was programmed in the 2014 SHOPP for \$28,750,000 for construction in Fiscal Year (FY) 2014-15, and was voted for \$10,650,000 in August 2015. Bids were opened on November 19, 2015; three bids were received. The additional amount needed to award the contract, based on the lowest bid, is \$6,855,000. This request for \$6,855,000 in supplemental funds results in an overall increase of 64.4 percent over the original vote amount. This contract will be awarded upon approval of this supplemental funds request.

REASON FOR INCREASE

The Department performed a bid analysis to evaluate the differences between the Engineer's Estimate and the lowest responsible bid. The contract has 18 bid items. Four of these bid items have significant cost differences. These items are Replace Viscous Dampers, Time Related Overhead, Traffic Control System and Mechanical Work.

BID ITEM	ENGINEER'S ESTIMATE	LOW BID	INCREASE	% INCREASE
Replace Viscous Dampers	\$2,480,000	\$5,520,000	\$3,040,000	123%
Time Related Overhead	\$ 372,000	\$1,549,845	\$1,177,845	317%
Traffic Control System	\$ 300,000	\$ 880,000	\$ 580,000	193%
Mechanical Work	\$ 333,000	\$ 850,000	\$ 517,000	155%
Mobilization	\$ 897,000	\$1,400,000	\$ 503,000	56%
Miscellaneous Metal (Bridge)	\$1,120,000	\$1,600,000	\$ 480,000	43%
Other Items			\$ 557,155	
TOTAL INCREASE			\$6,855,000	

Replace Viscous Dampers: There are a limited number of manufacturers for the type and load capacity of the dampers. Although the Department received a quote from a manufacturer to develop the estimate during the design phase, the cost to furnish and test the dampers was almost double the quoted cost. This item was under estimated in the Engineer's Estimate.

Time Related Overhead: The Time Related Overhead (TRO) item is normally estimated as 10 percent of the total of all bid items except for Mobilization, Supplemental Work, and Contingencies. Since some of the bid items were under estimated, this affected the overall calculation of TRO. Moreover, the project has additional unanticipated upfront engineering costs for pre-testing of the dampers prior to fabrication.

Traffic Control System: The traffic control system for this project is more complicated due to the difficult access on this bridge and will require more closures than the Engineer's Estimate. The installation of the spider net catching device will also require a closure in both directions. The Engineer's Estimate was adjusted to account for this; however, this item was bid much higher than what was estimated.

Mechanical Work and Miscellaneous Metal (Bridge): The complexity of the project with the difficult access to the bridge, along with the increased market prices of the items involved, added to the cost of this item.

Mobilization: This item is calculated as a percentage of all contract bid items. The significant item cost increases shown in the table resulted in an increase in the Mobilization item.

DETERMINATION

The Department has determined that re-advertising this project would not result in lower bids and recommends that this request for \$6,855,000 be approved to allow this contract to be awarded.

Attachment

2.5 Highway Financial Matters

Project #	Allocation Amount	Recipient	County	Dist-Co-Rte	Postmile	Project Title	Location	Project Description	Project Support Expenditures	PPNO	Program	Funding Year	Item #	Fund Type	Program Codes	Project ID	Adv Phase	EA	State	Federal	Current Amount	by Fund Type	State	Federal	Additional	Amount by	State	Federal	Revised	Amount by
																				Resolution FA-15-29										
2.5e.(10) Supplemental Funds for Previously Voted Projects																				Resolution FA-15-29										
1	\$6,855,000	Department of Transportation	LACMTA	Los Angeles	07-LA-47	0.9/2	In the city of Los Angeles, at Vincent Thomas Bridge No. 53-1471. Repair failing seismic and structural elements. <u>Outcome/Output:</u>	Supplemental funds are needed to Award.	Total revised amount \$17,505,000	07-4497	SHOPP/2014-15											\$213,000								\$213,000
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