

Memorandum

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: October 19-20, 2016

Reference No.: 2.5e.(3)
Action Item

From: NORMA ORTEGA
Chief Financial Officer

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

Subject: **SUPPLEMENTAL FUNDS ALLOCATION FOR PREVIOUSLY VOTED PROJECT
RESOLUTION FA-16-06**

RECOMMENDATION

The California Department of Transportation (Department) recommends that the California Transportation Commission allocate an additional \$465,000 to one State Highway Operation and Protection Program (SHOPP) project (PPNO 2360) on U.S. Highway 101 in Santa Barbara County.

ISSUE

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

RESOLUTION

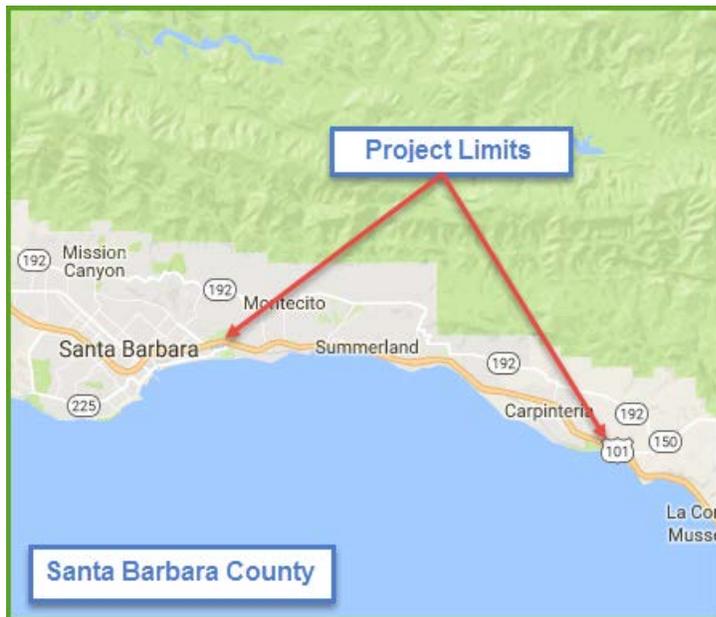
Resolved, that \$465,000 be allocated from the Budget Act of 2016, Budget Act Item 2660-302-0042 and 2660-302-0890, to provide construction capital funds to award the construction contract of the following project.

<u>Dist-Co-Rte</u>	<u>Original Allocation Amount</u>	<u>Allocation Adjustment</u>	<u>Revised Allocation</u>	<u>% Increase Above Original Allocation</u>
05-SB-101	\$1,633,000	\$465,000	\$2,098,000	28.5%

PROJECT DESCRIPTION

This project is located on U.S. Highway 101 at various locations in Santa Barbara County. This roadside safety improvement project will provide extended pavement areas beyond the gore and maintenance access gates, irrigation improvements (placement of mulch at ramp interchanges, vegetation control under the metal beam guardrail), two additional maintenance pull-out areas and relocation of utility boxes from the gore to the outside shoulder.

PROJECT LOCATION



FUNDING STATUS

This project was programmed in the 2014 SHOPP for \$2,424,000 in construction capital and was allocated in May 2016 for \$1,633,000. An additional \$465,000 is needed to award the construction contract for this project.

REASONS FOR COST INCREASE

The Department received three bids for the project, and the original apparent low bidder was within the Engineer’s Estimate. However, the low bidder was granted relief of bid by the Department on August 12, 2016, due to errors in their bid.

The Department performed a bid analysis to evaluate the differences between the Engineer’s Estimate and the lowest responsible bidder. The Engineer’s Estimate for the project is based on an adjacent project with similar location, scope and items of work. The contract has 53 bid items, and four bid items have significant cost differences. These items are: Minor Concrete (Exposed Aggregate Concrete), Traffic Control System, Roadway Excavation and Vegetation Control.

BID ITEM	ENGINEER’S ESTIMATE	LOW BID	INCREASE	% INCREASE
Minor Concrete (Exposed Aggregate Concrete)	\$170,100	\$283,500	\$113,400	167%
Traffic Control System	\$ 56,000	\$159,406	\$103,406	285%
Roadway Excavation (Type Z-2) (Aerially Deposited Lead)	\$170,000	\$255,000	\$ 85,000	150%
Vegetation Control (Crushed Shale)	\$147,200	\$220,800	\$ 73,600	150%

Minor Concrete (Exposed Aggregate Concrete): The Engineer’s Estimate is based on an adjacent project with a simpler exposed aggregate concrete design. The approved design for the project is a close collaboration agreed upon by the local entities and the Department. The complexity of the approved design (saw cut pattern, concrete color and exposed aggregate colors) for this project resulted in higher bids for this item.

Traffic Control System: The Traffic Control System was anticipated to be high due to the lane closure schedule and night lane closures requirements based on an adjacent six-lane project. Even though the Engineer’s Estimate included the constraints brought about by the project site nearby, the apparent low bidder included additional time and work days than what was accounted for due to narrow shoulders and four-lane configuration. Therefore, the bid was higher than the Engineer’s Estimate.

Roadway Excavation (Type Z-2, Aerially Deposited Lead): The Engineer’s Estimate for the road excavation is based on an adjacent project with a six-lane configuration. However the two bidders were higher than the Engineer’s Estimate because they cited higher costs due to nightly excavation work with daytime hazardous waste facility hours, which reduced productivity within the lane closures and worker safety and handling requirements.

Vegetation Control (Crushed Shale): The Engineer’s Estimate for this project included additional time to place the crushed shale under existing metal beam guardrail (MBGR). However, the apparent low bidder cited that the MBGR is located in an area that is steeper and closer to adjacent structures and traffic. Therefore, the bid was higher than the Engineer’s Estimate.

DETERMINATION

The Department has determined that re-advertising this project would not result in lower bids and recommends that this request for \$465,000 be approved to allow this contract to be awarded.

Attachment

2.5 Highway Financial Matters

Project #	Project Title	PPNO Program Funding Year	State	State	State
Allocation Amount	Location	Item #	Federal	Federal	Federal
Recipient	Project Description	Fund Type	Additional	Additional	Revised
<u>RTPA/CTC</u>		Program Codes	Amount by	Amount by	Amount by
County		Project ID	Fund Type	Fund Type	Fund Type
Dist-Co-Rte	Project Support Expenditures	Adv Phase	Current Amount	Amount by	Amount by
Postmile		EA	by Fund Type	Fund Type	Fund Type
2.5e.(3) Supplemental Funds for Previously Voted Projects		Resolution FA-16-06			
\$465,000	In and near the city of Santa Barbara, at various locations from 0.2 mile south of Route 150/101 Separation to 0.3 mile north of Cabrillo Boulevard. <u>Outcome/Output</u> : Improve safety for highway workers at 70 locations by placing asphalt beyond gore areas and maintenance vehicle pullouts, place vegetation control under guard rail utility box relocations and make irrigation equipment modifications.	05-2360 SHOPP/2015-16 302-0042 SHA 302-0890 FTF 20.20.201.235	\$33,000		\$33,000
Department of Transportation <u>SBCAG</u> Santa Barbara 05-SB-101 R0.4/11.7			\$1,600,000		\$1,600,000
	Supplemental funds are needed to Award.	SHOPP/2016-17 302-0042 SHA 302-0890 FTF 20.20.201.235		\$9,000	\$9,000
	Total revised amount \$2,098,000			\$456,000	\$456,000
	(CEQA - CE, 2/28/2014.) (NEPA - CE, 2/28/2014.)	0512000072 4 1C120			