

Memorandum

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: May 23, 2012

Reference No.: 2.5d.(1)
Action Item

From: NORMA ORTEGA
Chief Financial Officer

Prepared by: Kurt Scherzinger
Acting Division Chief
Transportation Programming

Subject: **ALLOCATION FOR PROJECTS WITH COSTS GREATER THAN 120 PERCENT OF THE PROGRAMMED AMOUNT RESOLUTION FP-11-59**

RECOMMENDATION:

The California Department of Transportation (Department) recommends that the California Transportation Commission allocate \$11,500,000 for one State Highway Operation and Protection Program (SHOPP) project identified below.

ISSUE:

Funds are needed for one programmed project in order to advertise the construction contract.

RESOLUTION:

Resolved, that \$11,500,000 be allocated from the Budget Act of 2011, Budget Act Item 2660-302-0042 and 2660-302-0890, to provide funds for the project identified below.

<u>Project</u>	<u>Dist-Co-Rte</u>	<u>Original Programmed Amount</u>	<u>Current Programmed Amount</u>	<u>Program Adjustment</u>	<u>Revised Programmed Amount</u>	<u>% Increase Above Current Programmed Amount</u>
1	02-Sha-299	\$8,866,000	\$8,866,000	\$2,634,000	\$11,500,000	30.0%

Project # Allocation Amount County Dist-Co-Rte Postmile	Location Project Description	PPNO Program/Year Prgm'd Amount Project ID Adv Phase EA	Budget Year Item # Fund Type Program Code	Amount by Fund Type
2.5d.(1) Allocations for Projects with Cost Increases Greater than 120 Percent				Resolution FP-11-59
1 \$11,500,000 Shasta 02-Sha-299 4.3/5.5	Near Redding, from 4.3 to 5.5 miles east of the Trinity County line. <u>Outcomes/Outputs:</u> Improve roadway geometrics, widen shoulder, improve super-elevation rates and transitions, increase stopping sight distance, and increase clear recovery zone.	02-3422 SHOPP/11-12 \$8,866,000 0200000216 4 2E5104	2011-12 302-0042 SHA 302-0890 FTF 20.20.201.010	\$230,000 \$11,270,000

RECOMMENDATION:

The Department recommends that this request for \$11,500,000 be approved to allow this project to be advertised.



PROJECT DESCRIPTION:

This project is in Shasta County, near Redding, from 4.3 to 5.5 miles east of the Trinity County Line. This project will improve roadway geometrics, widen the paved shoulders to improve the super-elevation rates and transitions, increase stopping sight distance and increase clear recovery zone.

FUNDING STATUS:

This project is currently programmed in the 2010 SHOPP for \$8,866,000. This request for \$11,500,000 is an increase of 30 percent above the programmed amount.

During project development, negotiations were initiated with Humboldt County Association of Governments (HCOG) to apply \$1,500,000 of the Safe, Accountable, Flexible and Efficient Transportation Act: A Legacy for Users High Priority Project (HPP) funding to add a downhill truck lane as part of this contract to improve traffic operations. The total current construction capital cost estimate is \$12,994,000, which includes \$11,500,000 of SHOPP funding for the safety improvements and \$1,500,000 in HPP funding for the downhill truck lane.

REASON FOR INCREASE:

The cost increase is primarily due to increases in paving, earthwork, and structures items:

- Additional striping, pavement markers, metal beam guardrail, aggregate base and shoulder backing have increased as a result of the extension of the soft median (4-ft wide rumble strip) at both ends of the project in order to provide consistency with other projects throughout the Buckhorn Corridor. This added \$662,700 to the cost of the project.
- The structures cost at the Planning Phase was based on estimated lengths of the two large drainage structures and a reasonable per foot cost. As the Plans, Specifications, and Estimate (PS&E) were refined, the size and type of culverts were determined and quantities and cost estimates increased. This added \$598,000 to the cost of the project.
- During the Design Phase, additional length of the soft median was added to the project in order to provide consistency with other projects throughout the Buckhorn Corridor. This increased the pavement quantities. This added \$510,000 to the cost of the project.
- The unit price of hot mix asphalt continues to increase, as well as the Asphalt Price Index fluctuation. This added \$316,000 to the cost of the project.
- The Planning document estimated the earthwork quantity at 485,000 cubic yards based on preliminary designs using a surface model created from aerial surveys completed more than 15 years ago. As part of this project, the aerial surveys were supplemented with ground surveys to more accurately depict the existing topography. In addition, the rock fall catchment area was increased per final Geotech recommendations received late in the design process. The final design increased the earthwork quantity to 608,000 cubic yards. This added \$232,000 to the cost of the project.
- Costs that are based on a percentage of item costs, including Mobilization and Contingency, have increased as the item costs increased. This added \$219,500 to the cost of the project.
- State Furnished Items, including \$10,000 for “Traffic Management Plan”, \$55,000 for Resident Engineer’s Office”, and \$30,000 for re-vegetation were not included in the initial estimates. This added \$95,000 to the cost of the project.

FUNDING OPTIONS:

OPTION A: Approve this request, as represented above, for \$11,500,000 to allow this project to be advertised.

OPTION B: Deny this request and direct the Department to adjust the project to remain within the programmed amount. The Department has 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 for \$11,500,000, as presented in Option A above, be approved to allow this project to be advertised.