State of California
DEPARTMENT OF TRANSPORTATION

Business, Transportation and Housing Agency

Memorandum

TAB 88

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: August 22, 2012

Reference No.: 2.5e.(2)
Action Item

CTC
AUG 22 2012
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-12-04**

RECOMMENDATION:

The California Department of Transportation (Department) recommends that the California Transportation Commission allocate an additional $1,071,000 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 complete construction.

RESOLUTION:

Resolved, that $1,071,000 be allocated from the Budget Act of 2011, Budget Act Items 2660-302-0042 and 2660-302-0890 to provide additional funds to allow the following project to complete construction.

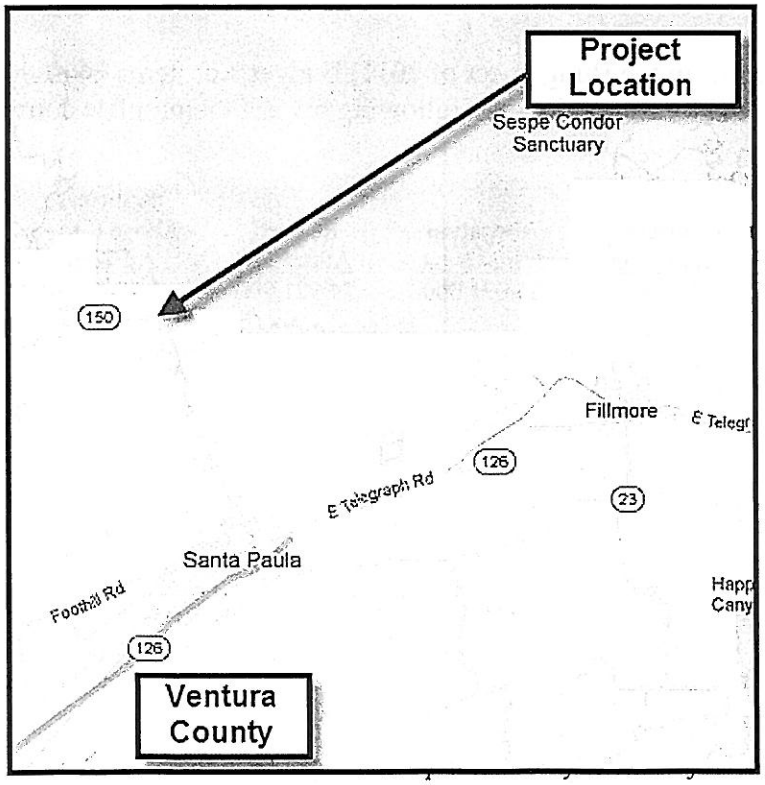
Project	Dist-Co-Rte	Original Allocated Amount	Current Allocation	Allocation Adjustment	Revised Allocation	% Increase Above Current Allocation
1	07-Ven-150	$5,648,000	$3,850,900	$1,071,000	$4,921,900	27.8%

Project # Allocation Amount Recipient County Dist-Co-Rte Postmile	Location Project Description Reason for Supplemental Funds	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 Fund Type	State Federal Revised Amount by Fund Type
2.5e.(2) Supplemental Funds for Previously Voted Projects					**Resolution FA-12-04**
1 $1,071,000 Department of Transportation Ventura 07-Ven-150 28.6/28.7	In Santa Paula, at Santa Paula Creek. Outcome/Output: Replace destroyed check dam and place rock weir system at one location to stop/prevent erosion and protect nearby bridge foundations. Supplemental funds needed to complete Construction. Total Revised Amount: $4,921,000	07-4110 SHOPP 2010-11 302-0042 SHA 302-0890 FTF 20.20.201.131 0700000903 4 4L5704	$525,000 $3,325,000		$525,000 $3,325,000
		SHOPP 2011-12 302-0042 SHA 302-0890 FTF 20.20.201.131		$123,000 $948,000	$123,000 $948,000

RECOMMENDATION:

The Department recommends that this request for $1,071,000 be approved to allow the Department to complete construction.

PROJECT LOCATION:



PROJECT DESCRIPTION:

This project is located next to the Santa Paula Creek Bridge along rural two-lane Route 150 between Ojai and Santa Paula. Damage to the check dam in the streambed occurred as a result of heavy rains in 2005, which were estimated to be close to the 100-year flood event. The check dam served to protect the bridge abutments and adjacent retaining walls located parallel to the highway and creek. The project consists of building a replacement rock weir system to protect the bridge from scour. In addition to protecting the highway structures, the new rock weir system is designed to facilitate fish passage through the site for endangered Southern California Steelhead. Furthermore, the project includes work on Route 33 near Wheeler Springs to construct two educational kiosks as a condition of the permit by the National Oceanic and Atmospheric Administration (NOAA). NOAA is the parent agency tasked with steelhead conservation efforts.

FUNDING STATUS:

This project was voted in August 2010, for $5,648,000 and awarded for $3,319,000 in December 2010. The current allotment is $3,850,900; which includes a $531,900 delegated G-12 allocation adjustment in December 2011. An additional $1,071,000 in supplemental funds is needed to complete construction. This results in an overall increase of 27.8 percent over the current allocation. The project was approximately 10 percent complete when it was suspended in 2011. In addition, the environmental permit requirements do not allow project construction between November 1 and June 1. The contractor re-mobilized and construction restarted on June 1, 2012. The anticipated completion of construction is November 2012.

REASONS FOR COST INCREASE:

The repairs in the creek require two temporary three-foot diameter metal diversion pipes on either side of the creek bank to allow flows to be routed around the site and above the creek bottom; use of the diversion pipes allows the work to take place in the creek bed.

The design specified the temporary pipe to be secured to the creek bank with conventional pipe stakes. However, convention pipe stakes do not adequately handle the weight of a large diameter pipe flowing full. Furthermore, field conditions do not allow the stakes to be driven into the creek bank due to issues with slope steepness and the presence of concreted rock and loose shale rock throughout portions of the required pipe length.

Subsequently, the pipe support method was redesigned with suspended anchorages drilled into competent rock, as well as partial scaffold supports. The change delayed the project and there was insufficient time remaining in the dry season to complete the work under environmental permitting constraints in one season as originally planned. The contractor was directed to stabilize and protect the site from erosion for the winter until work could resume in June when permitting constraints allow.

An additional $1,071,000 is needed to complete the construction contract. The funding is needed to address additional costs related to the delay, for stabilization of the construction site for winter, for increased material costs, and for re-mobilization of the contract in the spring. In addition, the remaining contingency balance is inadequate to complete the project. Additional funding is required to replenish the contingency balance to address unforeseen future project issues.

FUNDING OPTIONS:

OPTION A: Approve this request as presented above for $1,071,000 to allow this project to complete construction.

OPTION B: Deny this request and direct the Department to revise the scope to stay within the allocated budget 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 $1,071,000, as presented in Option A above, be approved to complete construction of the project.