

MEMORANDUM

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: June 26-27, 2025

From: STEVEN KECK, Chief Financial Officer

Reference Number: 2.5d.(8), Action Item

Prepared By: Grace Magsayo
District 10 - Director

Subject: **ALLOCATION FOR PROJECT WITH COSTS THAT EXCEED THE PROGRAMMED AMOUNT BY MORE THAN 20 PERCENT PPNO 3515/EA 1L860 – VARIOUS COUNTIES – VARIOUS STATE ROUTES RESOLUTION FP-24-91**

ISSUE:

Should the California Transportation Commission (Commission) approve the California Department of Transportation's (Department) allocation request for \$3,324,000 for Construction of the State Highway Operation and Protection Program (SHOPP) Transportation Management Systems project on various State Routes (SRs), in various counties, to advertise the project?

RECOMMENDATION:

The Department recommends that the Commission approve the requested allocation for this SHOPP project.

PROJECT DESCRIPTION:

This project locations are spread out on SRs 16, 49, 88, 104, 108, 124, 132, and 140, at various locations, in Mariposa, Amador, and Tuolumne counties. The project will replace and install new transportation management system (TMS) elements consisting of vehicle detection systems and closed-circuit television (CCTV) cameras, and construct a maintenance vehicle pullout (MVP).

FUNDING AND PROGRAMMING STATUS:

In March 2022, this project was programmed in the SHOPP for \$1,900,000 in Construction Capital and \$630,000 in Construction Support for allocation in Fiscal Year 2024-25.

In April 2025, the Engineer's Estimate (EE) reflected the need of \$2,600,000 in Construction Capital (36.8 percent over the programmed amount) and \$724,000 in Construction Support (14.9 percent over the programmed amount). The Department plans to advertise the project in July 2025 and begin construction in October 2025. Construction is planned for one construction season with a duration of 85 working days.

REASON FOR COST INCREASE:

The Construction Capital and Support estimates are greater than the programmed amount due to the refinement of the estimate to reflect current market conditions and an increase in the number of working days for the project.

Capital Cost Increase:

During the Project Approval and Environmental Document phase, the cost estimate increased as additional field work provided more detailed information for the installation of electrical field elements at 12 locations with consideration for environmental and right of way impacts. The refined cost estimate at this time was within 120 percent of the programmed amount.

During the Plans, Specifications, and Estimate phase, the Department's Electrical Maintenance office requested an MVP at one of the locations which was included in the scope of work to provide a safe area for electrical maintenance staff. The MVP was required due to the roadway geometrics and placement of the CCTV. The estimate was refined again to reflect current market conditions. The addition of an MVP and the updated EE resulted in significant cost increases to mobilization, time-related overhead, traffic electrical items, and department-furnished materials for a total increase of \$700,000 in capital costs.

Support Cost Increase:

The support cost increase is due to the addition of 25 working days (from 60 to 85) as a result of the refinement to the workplan. This has led to an increase of \$94,000 in support costs.

CONSEQUENCES:

If this allocation request is not approved, the Department will not be able to advertise the contract to address the critical deficiencies of the existing TMS elements to provide accurate traffic volumes which is the fundamental tool for transportation planning and engineering for infrastructure planning and traffic analysis. To address all of the deficiencies, the project will have to be reprogrammed, which will result in delays and could result in higher costs due to escalation.

FINANCIAL RESOLUTION:

Resolved, that \$2,600,000 be allocated from Non-Budget Act Item 2660-802-3290 for Construction Capital, and \$724,000 for Construction Support, to provide funds to advertise this SHOPP project.

Attachment

2.5 Highway Financial Matters

Project No.	Allocation Amount	County	Dist-Co-Rte	Postmile	Location	Project Description	PPNO Program/Year Phase	Prgm'd Amount	Project ID	Budget Year	Item # Fund Type	Program Code	Amount by Fund Type
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2.5d.(8) Allocation of Project with Construction Cost that Exceeds 20 Percent of the Programmed Amount Resolution FP-24-91

1	\$3,324,000	Mariposa	10-Mpa-49	Var	In Mariposa, Amador, and Tuolumne Counties, on Routes 49, 16, 88,104, 108 124, 132 and 140 at various locations. <u>Outcome/Outputs:</u> Replace and install new Transportation Management System (TMS) elements.		10-3515	SHOPP/24-25	505-3290 RMRA	2017-18	20.10.201.315		\$724,000
					Preliminary Engineering	<u>Budget</u>	<u>Expended</u>	CON ENG					
					PA&ED	\$520,000	\$371,063	\$630,000		2017-18			
					PS&E	\$1,299,000	\$1,003,885	CONST		802-3290 RMRA			\$2,600,000
					R/W Sup	\$30,000	\$26,283	\$1,900,000		20.20.201.315			
								1020000179					
								3,4					
								1L860					

Performance Measure:

Planned: 14.0, Actual: 14.0 Field element(s)

CEQA - CE, 08/09/2023; Re-validation 04/23/2025

NEPA - CE, 08/09/2023; Re-validation 04/23/2025

Performance Measure: Transportation Management Systems (TMS)				
	<u>Unit</u>	<u>Good (Operational)</u>	<u>Poor (Not Operational)</u>	<u>Quantity</u>
Existing Condition	Field element(s)	0.0%	100.0%	10.0
Post Condition	Field element(s)	100.0%	0.0%	14.0