

MEMORANDUM

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: October 17-18, 2024

From: STEVEN KECK, Chief Financial Officer

Reference Number: 2.5e.(10), Action Item

Prepared By: Gloria Roberts
District 07 – Director

Subject: **SUPPLEMENTAL FUNDS FOR CONSTRUCTION COMPLETION PHASE**
PPNO 4887/EA 31600 – LOS ANGELES COUNTY – STATE ROUTE 14
RESOLUTION FA-24-28

ISSUE:

Should the California Transportation Commission (Commission) approve the California Department of Transportation's (Department) request for an additional \$13,150,000 in Construction Capital for the State Highway Operation and Protection Program (SHOPP) Roadway Rehabilitation project on State Route (SR) 14, in Los Angeles County, to complete the construction contract?

RECOMMENDATION:

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

PROJECT DESCRIPTION:

This 17-mile-long project is located on SR 14 in and near the cities of Palmdale and Lancaster, from Technology Drive to the Kern County line, in Los Angeles County. The project will replace distressed lanes and shoulders, cold plane and overlay ramps, upgrade guardrail, dikes, sign panels, curb ramps, and traffic loop detectors.

FUNDING AND PROGRAMMING STATUS:

In March 2018, the project was programmed for \$142,660,000 in Construction Capital and \$25,800,000 in Construction Support in the SHOPP for allocation in Fiscal Year 2020-21. In October 2018, the project was amended to decrease Construction Capital to \$126,660,000 due to a refined pavement strategy. In October 2019, the project was amended again to decrease

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serves all people and respects the environment."*

Construction Support to \$18,600,000 due to a reduction in working days. In June 2021, the project received a 2-month allocation time extension for the Construction phase. In August 2021, the project was allocated for \$128,833,000 in Construction Capital and \$18,600,000 in Construction Support. In March 2022, the project received a 12-month award time extension for the Construction phase. In August 2022, the project received a 6-month expenditure time extension to complete the Plans, Specifications, and Estimate phase. In January 2023, the project received supplemental funds in the amount of \$44,165,000 in Construction Capital to award the construction contract. In February 2023, the project was awarded for \$172,998,000 in Construction Capital. In May 2023, construction began with 700 working days. The remaining funds are currently at \$107,871,000 in Construction Capital and \$13,189,000 in Construction Support. The remaining funds are scheduled to be utilized for the contract work. The project is 40 percent complete with 435 working days remaining. The planned Construction Contract Acceptance is scheduled for March 2027.

REASON FOR COST INCREASE:

The project realized cost increases due to pending contract change orders (CCO) that have occurred during construction.

This project was designed to have two Southern California Edison (SCE) service points per interchange, one in each direction. However, after the project was awarded, SCE notified the Department of their internal policy change regarding service points. This resulted in changes to the service point connections at each interchange. This change resulted in revisions to the contract plans for undergrounding two aerial electrical lines on the side of the interchange where the SCE service location would reside. This required additional contract work for boring, installing conduits and pull boxes, and other electrical items, to bring the electrical lines across the roadway at nine interchanges.

The cities of Lancaster and Palmdale, along with the North County Transportation Coalition, imposed requirements during construction to reduce traffic impacts on local communities resulting in enhanced stage construction changes. These changes also resulted in schedule delays and include the construction and removal of an 8-mile temporary asphalt concrete lane utilized to mitigate closure restrictions. As a result, there will be an approximate 140 working day delay, approximately 45 days for the north segment and 95 days for the south segment of the project limits.

There are two construction projects adjacent to this pavement rehabilitation project, Avenue L and the Palmdale Avenue interchange projects. Coordination with City of Lancaster's Avenue L project resulted in additional work to accommodate the City project's traffic handling, which consists of placement of temporary barriers within the same work limits. In addition, coordination with the City of Palmdale's Palmdale Avenue interchange project resulted in additional staging work.

As part of the pavement rehabilitation work, the contractor encountered existing cement treated base in the inside median, which was not shown on the plans and increases the amount of

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effort to remove the material. This differing site condition will result in a CCO and an 11 working day delay. Unforeseen substructure conditions of existing cement treated base was also encountered for ongoing lane and shoulder replacement work throughout the project limits. This also impacted the schedule.

Moreover, during construction, additional safety items such as radar feedback signs and stationary impact attenuator trucks were required and adjusted accordingly. The project also required more shoulder backing than anticipated to match field conditions. As a result, the quantities were increased, and unit prices were adjusted for these three items.

To perform the pavement rehabilitation work, detours on local roads were required. The increased volume and type of traffic being detoured resulted in damages to the existing city streets beyond normal wear and tear. The detour route at Avenue A is currently closed, and the City of Lancaster is performing on-going repairs to address extensive potholes due to increased truck traffic volume. The total approved local street detour route length is approximately 32 miles throughout the City of Lancaster, City of Palmdale, and Los Angeles County, including Sierra Highway, 30th Street West, and 20th Street West.

Therefore, the project will need a total of \$18,914,000 to address the pending CCOs. After utilizing the remaining contingency in the amount of \$5,764,000, additional capital costs in the amount of \$13,150,000 will be required to complete the remaining activities.

CONSEQUENCES:

If this request for supplemental funds is not approved, the Department will not be able to address the deficiencies of the roadway or enhance safety for the traveling public along this segment of SR 14. If the construction contract is further delayed, it will likely result in claims by the contractor. To complete construction at a later time, another project will have to be programmed in a future SHOPP cycle at a possible higher project cost.

FINANCIAL RESOLUTION:

Resolved, that \$13,150,000 be allocated from the Budget Act of 2023, Budget Act Item 2660-302-0890 and Non-Budget Act Item 2660-802-3290 for Construction Capital, to provide funds to complete the Construction phase of this SHOPP project.

Attachment

PPNO	State	State
Program	Federal	Federal
Funding Year	Additional	Revised
Item #	Current Amount	Amount by
Fund Type	by Fund Type	Fund Type
Program Codes		
Project ID		
Adv Phase		
EA		

2.5e.(10)	Supplemental Funds for Previously Voted Project	Resolution FA-24-28			
1	In and near Palmdale and Lancaster, from Technology Drive to the Kern County line.	07-4887			
\$13,150,000		SHOPP/2017-18			
		CONST			
Department of Transportation	<u>Outcome/Outputs:</u>	802-3290 RMRA	\$20,162,700	\$1,508,000	\$21,670,700
LACMTA	Replace distressed lanes/shoulders, cold plane and overlay	20.20.201.122			
Los Angeles	ramps, upgrade guardrail, dikes, sign panels, curb ramps and				
07-LA-14	traffic loop detectors.	SHOPP/2021-22			
R60.70/R77.00		CONST			
	Total revised amount \$186,147,100.	302-0890 FTF	\$152,834,400		\$152,834,400
		20.20.201.122			
	Supplemental funds are needed to complete construction.				
		SHOPP/2023-24			
	CEQA - CE, 6/18/2019; Re-validation 3/29/2021	CONST			
	NEPA - CE, 6/18/2019; Re-validation 3/29/2021	302-0890 FTF		\$11,642,000	\$11,642,000
		20.20.201.122			
		0715000194			
		4			
		31600			