

MEMORANDUM

TAB 86

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: August 16-17, 2023

From: STEVEN KECK, Chief Financial Officer

Reference Number: 2.5d.(11), Action Item **YELLOW REPLACEMENT ITEM**

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District 08 - Director

Subject: **ALLOCATION FOR PROJECT WITH COSTS THAT EXCEED THE PROGRAMMED AMOUNT BY MORE THAN 20 PERCENT PPNO 3019Q/EA 1H992 – SAN BERNARDINO AND RIVERSIDE COUNTIES – VARIOUS LOCATIONS RESOLUTION FP-23-11**

ACTION UPDATE: *Reduction in allocation request.*

ISSUE:

Should the California Transportation Commission (Commission) approve the California Department of Transportation's (Department) allocation request for \$6,310,000 for the State Highway Operation and Protection Program (SHOPP) Collision Severity Reduction project at various locations, in San Bernardino and Riverside Counties, to advertise the project?

RECOMMENDATION:

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

PROJECT DESCRIPTION:

This project is spread out on State Route 62 and two Interstates (10 and 215), in San Bernardino County, and eight State Routes (60, 62, 74, 78, 79, 111, 177, and 371) and three Interstates (10, 15, and 215), in Riverside County. The project will upgrade and install curve warning signs.

FUNDING AND PROGRAMMING STATUS:

In June 2022, this child project was split from the parent project (PPNO 3010Y/EA 1H990) and programmed in the SHOPP for \$2,297,000 in Construction Capital, and \$2,507,000 in

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Construction Support for allocation in Fiscal Year 2022-23. In June 2023, the project received a 2-month allocation time extension for the Construction phase.

In June 2023, the Engineer's Estimate reflected the need of \$3,803,000 in Construction Capital (65.6 percent over the programmed amount) and \$2,507,000 in Construction Support (same as the programmed amount). The Department plans to advertise the project in October 2023, award in January 2024, and begin construction in February 2024. Construction is planned for one construction seasons with a duration of 110 working days.

REASON FOR COST INCREASE:

The Construction Capital estimate is greater than the programmed amount due to revisions to the bid item costs for the traffic control measures and roadside signs. The Construction Support estimate is greater than the programmed amount due to a recent workplan revalidation.

During the Plans, Specifications, and Estimate phase, some of the more significant bid items were analyzed in depth. Most of the sign installations are taking place on mountainous roads with limited shoulders and working space which will reduce the production rate. As a result, the traffic control measures were increased to improve safety and realized better production rates. Therefore, most of the sign installation will be completed using reversible traffic control. The Department analyzed recent bids for projects with similar constraints to produce a more accurate estimate. To increase safety, stationary impact attenuator vehicles and automated flagging assistance have been added to the project. In alignment with the Department's flagging policy, flagging costs have increased as it is no longer a shared cost between the contractor and the Department. These revisions amount to an increase of \$1,148,000.

The project proposes to install approximately 2,700 signs at various locations. Due to the volume and limited scope, the Department analyzed a similar project from a neighboring district to help validate unit bid prices and update the estimate. As a result, the estimate for sign installation has increased by \$504,000. In aggregate, these items total \$1,652,000 however, were offset by the other items resulting in an overall cost increase of \$1,506,000.

CONSEQUENCES:

If the funds are not approved, the Department will not be able to advertise/award the project in its current condition and the roadside safety improvements will not be fully achieved to provide safe and enhanced driving conditions for the motoring public and reduce collision severity. Funds for the project will be lost and the project will have to be reprogrammed which will result in delays and could result in higher costs due to escalation.

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FINANCIAL RESOLUTION:

Resolved, that \$3,803,000 be allocated from the Budget Act of 2022, Budget Act Items 2660-302-0042 and 2660-302-0890 for Construction Capital, and \$2,507,000 for Construction Support, to provide funds to advertise this SHOPP project.

Attachment

2.5 Highway Financial Matters

Project No.	Allocation Amount	County	Location	Project Description	Project Support Expenditures	PPNO Program/Year Phase Prgm'd Amount	Budget Year	Amount by
Dist-Co-Rte	Postmile	Project ID	Adv Phase	EA	Item # Fund Type Program Code	Fund Type	Fund Type	

2.5d.(11) Allocations for Projects with Cost Increase Greater than 20 percent

Resolution FP-23-11

1	In San Bernardino and Riverside Counties, on various routes, at various locations. <u>Outcome/Output:</u> Upgrade or install curve warning signs to reduce the number and severity of collisions.	08-3019Q	001-0042 SHA	\$50,000
\$6,310,000		SHOPP/22-23	001-0890 FTF	<u>\$2,457,000</u>
Riverside		CON ENG	20.10.201.015	\$2,507,000
08-Riv-Var		\$2,507,000		
Var	<u>Performance Measure:</u> Planned: 3, Actual: 3 Collision(s) reduced	CONST	2022-23	
		\$2,297,000	302-0042 SHA	\$76,000
		0822000112	302-0890 FTF	<u>\$3,727,000</u>
		4	20.20.201.015	\$3,803,000
		1H992		
	<u>Preliminary Engineering</u>			
	<u>Budget</u>	<u>Expended</u>		
	PA&ED \$0	\$0		
	PS&E \$0	\$0		
	R/W Sup \$0	\$0		

CEQA - CE, 3/14/2022; Re-validation 3/21/2023
 NEPA - CE, 3/14/2022; Re-validation 3/21/2023

Two month allocation time extension for CONST and CON ENG approved under Waiver 23-72; June 2023.

Change to the CON ENG amount and to the overall allocation amount made via the Yellow Replacement distributed at the August 2023 CTC meeting.