

Memorandum

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: December 14-15, 2011

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

From: NORMA ORTEGA
Chief Financial Officer

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Division Chief
Transportation Programming

Subject: **ALLOCATION FOR SUPPLEMENTAL FUNDS FOR PREVIOUSLY VOTED PROJECT
RESOLUTION FA-11-09**

RECOMMENDATION:

The California Department of Transportation (Department) recommends that the California Transportation Commission allocate an additional \$292,000 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 award the construction contract.

RESOLUTION:

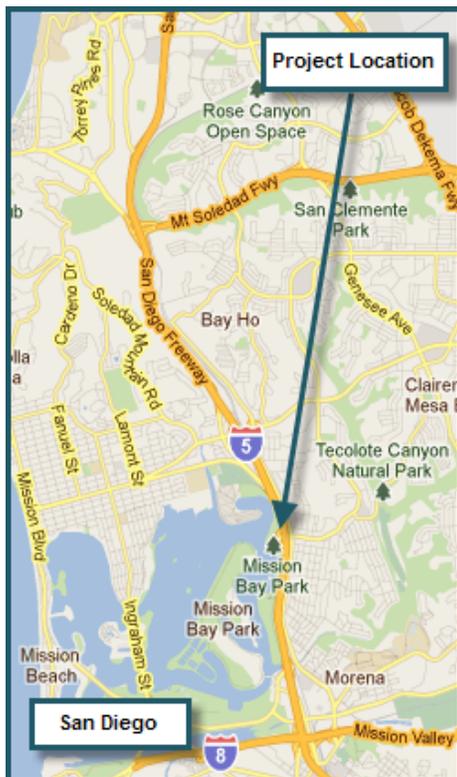
Resolved, that \$292,000 be allocated from the Budget Act of 2011, Budget Act Item 2660-302-0042 to provide additional funds to allow the following project to be awarded.

<u>Project</u>	<u>Dist-Co-Rte</u>	<u>Original Allocated Amount</u>	<u>Current Allocation</u>	<u>Allocation Adjustment</u>	<u>Revised Allocation</u>	<u>% Increase Above Current Allocation</u>
1	11-SD-5	\$590,000	\$590,000	\$292,000	\$882,000	49.5%

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-11-09																	
1	\$292,000	Department of Transportation	San Diego	11-SD-5	R22.3	In the city of San Diego, at Clairemont Drive.	<u>Outcome/Output:</u> Overlay the bridge deck and replace joint seals on one bridge to extend the bridge service life.	Supplemental funds needed to award construction contract.	11-1015 SHOPP 2009-10 302-0042 SHA 20.20.201.119 1100000783 4 403304						\$590,000		\$590,000
						Total Revised Amount: \$882,000			SHOPP 2011-12 302-0042 SHA 20.20.201.119							\$292,000	\$292,000

RECOMMENDATION:

The Department recommends that this request for \$292,000 be approved to allow this project to be awarded.



PROJECT DESCRIPTION:

This project is located in the city of San Diego at Clairemont Drive Overcrossing #57-0429. This project will remove two inches of the existing deck concrete surface for a portion of the structure and replace with a polyester concrete overlay; remove and patch unsound bridge deck concrete at spot locations; clean and seal the deck surface with methacrylate resin coating; replace joint seals; and reconstruct Americans with Disabilities Act (ADA) curb ramps.

The largest portion of the scope of work for this project is to remove and replace a portion of the bridge deck surface. The bridge deck has high chloride content which reduces concrete strength. The high chloride content is due to construction materials used when it was originally built in 1969 and has been made worse by its close proximity to the adjacent salt water environment of Mission Bay and the Pacific Ocean. The required deck concrete removal depth is at or below the top layers of deck reinforcement steel bars. Hydraulic demolition (hydro demo) techniques called out in the project specifications allow for the removal of deck concrete adjacent to steel reinforcement, which is not feasible with more common cold milling techniques. This project is unique as hydro demo is not often used in the typical Department deck maintenance operations.

FUNDING STATUS:

The project was amended into the 2010 SHOPP for \$1,200,000 for construction in fiscal year (FY) 2010-11 and was voted for \$590,000 in June 2011. The reason for this cost reduction was a reduction of the area of deck removal based on further deck concrete testing, in addition to other design refinements. Bids for this project were opened on September 15, 2011. Five bids were received for this project. One bidder requested and received relief from bid. The amount needed to award the contract to the current lowest bidder is \$882,000. This request for \$292,000 in supplemental funds results in an overall increase of 49.5 percent over the original vote amount. This contract will be awarded upon approval of this supplemental funds request.

REASONS FOR COST INCREASE:

While the Department was reviewing project bid results, it was determined that an error had been made in the engineer's estimate unit price for "Removal of Concrete Deck Surface". The engineer's estimate incorrectly reflected the unit price associated with cold milling instead of hydro demo. The unit price for hydro demo is significantly more than the unit price for cold milling due to equipment used, depth of concrete removed, working within the reinforcement layer, containment of water and debris, and especially the required drying of the deck to prepare for the follow-up polyester concrete overlay. Traffic handling requirements restrict time available to complete this work.

In addition, one bidder also incorrectly assumed common cold milling to remove the deck surface. When the bidder realized the specifications called for hydro demo and the depth and presence of reinforcement steel would not allow for a typical cold milling operation, they requested and received relief from their bid. Remaining bids assume the use of hydro demo in their estimates, which is consistent with the contract specifications.

An additional \$292,000 in supplemental funds is needed in order to award this project to the low bidder.

FUNDING OPTIONS:

OPTION A: Approve this request as presented above for \$292,000 to allow this project to be awarded.

OPTION B: Deny this request and direct the Department to down scope the project to remain within the allocated 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 \$292,000, as presented in Option A above, be approved to award the project to the low bidder.