

M e m o r a n d u m

To: CHAIR AND COMMISSIONERS
 CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: October 19-20, 2016

Reference No.: 2.5e.(1)
 Action Item

From: NORMA ORTEGA
 Chief Financial Officer

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 Division of Transportation
 Programming

Subject: **SUPPLEMENTAL FUNDS ALLOCATION FOR PREVIOUSLY VOTED PROJECT
 RESOLUTIONFA-16-04**

RECOMMENDATION

The California Department of Transportation (Department) recommends that the California Transportation Commission allocate an additional \$2,084,000 to one State Transportation Improvement Project (STIP) for construction capital (PPNO 0125Y) on U.S. Highway 101 in Mendocino County.

ISSUE

Additional funds are needed for one previously approved project in order to award the construction contract.

RESOLUTION

Resolved, that \$2,084,000 be allocated from the Budget Act of 2015, Budget Act Items 2660-301-0890, to provide funds to award the following project.

<u>Dist-Co-Rte</u>	<u>Program Type</u>	<u>Original Allocation Amount</u>	<u>Allocation Adjustment</u>	<u>Revised Allocation</u>	<u>% Increase Above Original Allocation</u>
01-Men-101	IIP	\$3,604,000	\$1,771,000	\$5,375,000	
	RIP	\$ 636,000	\$ 313,000	\$ 949,000	49.2%
	Total	\$4,240,000	\$2,084,000	\$6,324,000	

PROJECT DESCRIPTION

This project is located in Mendocino County on the U.S. Highway 101, just north of the City of Willits from 1.3 miles north of Reynolds Highway to 0.1 mile north of Ryan Creek Road. This project is one of four child projects tied to the Willits Bypass project (EA 01-26200) that is currently under construction and nearing completion. This project satisfies the environmental permit conditions contained in the California Department of Fish and Wildlife (CDFW) Incidental Take Permit 2081 and 1602 Streambed Alteration Agreement for the Willits Bypass project.

PROJECT LOCATION



FUNDING STATUS

This project is currently programmed in the 2016 STIP for \$4,200,000. This allocation request of \$2,084,000 is an increase of 49.2 percent above the programmed amount.

REASONS FOR COST INCREASE

This project will construct two 10-foot diameter (168.1 feet long) steel pipes on the south fork of Ryan Creek that will be pipe rammed under the U.S. Highway 101. Pipe ramming installation of this diameter is near the upper end of the technology's capabilities (12 feet) and it requires an experienced contractor. The Department has only one experience in this type of operation with an exception of a recent project in District 4 that used a smaller diameter pipe than this project is using. There are very few contractors in the country capable of performing this type of jacking operation.

During the Plans, Specification and Estimate phase the Department hired an Architectural and Engineering consultant specializing in this type of culvert installation to assist with the design, specification, and estimate of the two 10-foot diameter metal pipes. The consultant found out that depending on the level of difficulty and restrictions, this type of installation can vary from \$1,200/foot to \$11,000/foot. The Engineer's estimate for the pipe ramming installation of the two 10-foot diameter metal pipes was \$3,743/foot, and the lowest bidder's price came in significantly higher at \$7,143/foot.

Other items, which have higher bid prices were related to environmental conditions and constraints at the project site.

Due to risks associated with this project (location, installation method, and construction window), the Department implemented the following mitigation measures to ensure the best estimate possible:

- A longer than normal advertisement period (8 weeks vs 4 weeks) was requested to allow contractors sufficient time to bid on the project.
- A mandatory pre-bid meeting (office meeting/field review) was held at the project site just north of the City of Willits to show contractors the site conditions and assist them in bidding accurately. Seven prime contractors attended the pre-bid meeting.
- Existing utilities at the south fork of Ryan Creek were relocated ahead of time to avoid potential delays during tree removal and pipe ramming operations.

After the opening of the bids, following results were obtained:

- The Department received three bids so competition was adequate
- The low bidder attributes there were only two subcontractors available to perform the pipe ramming operations work and the bids from the subcontractor were high.
- The low bid is 49.89 percent over the Engineer's estimate.

Due to the longer than normal advertisement period, the Department requested an additional two months, beyond the allowable six months, to award this contract.

The Department team reviewed the bid results for possible mathematical or material unbalancing in accordance with 23 CFR 635.102-635.114 and found no evidence of material unbalancing of the low bid.

DETERMINATION

The Department has determined that down scoping this project will make it non-compliant within the CDFW permit in addition, re-advertising this project would not result in lower bids. Therefore, the Department recommends that this request for \$2,084,000 be approved to allow this contract to be awarded.

Attachment

2.5 Highway Financial Matters

Project #	Allocation Amount	Recipient	County	Dist-Co-Rte	Postmile	Project Title	Location	Project Description	Project Support Expenditures	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.(1) Supplemental Funds for Previously Voted Projects										Resolution FA-16-04			
\$2,084,000		Men-101-PM 52.2/PM 52.4; About Five Miles North of Willits. Construct Fish Passage Improvements.								01-0125Y IIP/2015-16 301-0042	\$72,000		\$72,000
Department of Transportation		Supplemental funds are needed to Award.								SHA 301-0890	\$3,532,000		\$3,532,000
MCOG		Total revised amount \$6,324,000								FTF 20.20.025.700			
Mendocino		<u>Outcome/Output:</u> Fish Passage two locations (North and South forks). Includes installation of 424.5 feet of new culverts.								RIP/2015-16 301-0042 SHA 301-0890	\$13,000 \$623,000		\$13,000 \$623,000
01-Men-101										FTF 20.20.075.600			
52.2/52.4										IIP/2015-16 301-0890 FTF 20.20.025.700	\$1,771,000		\$1,771,000
										RIP/2015-16 301-0890 FTF 20.20.075.600	\$313,000		\$313,000
										0112000205 4 26201			