

MEMORANDUM

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: August 14-15, 2019

From: STEVEN KECK, Chief Financial Officer

Reference Number: 2.5e.(4), Action Item

Prepared By: Dave Moore,
District 02 – Director

Subject: **SUPPLEMENTAL FUNDS ALLOCATION FOR PREVIOUSLY VOTED PROJECT
(PPNO 3533/EA 02-4G03U0 – TEHAMA COUNTY – STATE ROUTE 36)
RESOLUTION FA-19-03**

ISSUE:

Should the California Transportation Commission (Commission) approve the California Department of Transportation's (Department) request for an additional \$1,610,000 for the State Highway Operation and Protection Program (SHOPP), Safety Improvement project (PPNO 3533) on State Route (SR) 36, in Tehama County, to complete the construction contract?

RECOMMENDATION:

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

PROJECT DESCRIPTION:

This project is located on SR 36 near the Town of Mineral, in Tehama County. The project will realign highway, widen shoulders, improve drainage and provide a Clear Recovery Zone.

FUNDING AND CONTRACT STATUS:

The project contract was awarded in December 2016 for \$9,648,000 in capital construction. The total allotment for this project, including contingency and G-12 authority was \$10,528,000. The current project fund amount available is \$192,000.

Construction of the project began in February 2017, and the planned work has been completed. As the planned contract work has been completed, delay costs are not being

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incurred. However, the unplanned underdrain system in the western portion of the project is pending the approval of the additional funding.

Therefore, the Department is requesting an additional \$1,610,000, along with the \$192,000 currently available, to complete construction of the underdrain system and keep the project on schedule for a planned project construction completion date of November 2019 and revised contract acceptance date of March 2, 2020.

REASON(S) FOR COST INCREASE:

The additional funds are needed to pay for necessary work created by an unforeseen site condition; which was recognized towards the end of planned construction. Although this added work was not included in the original contract plans, it is within the previously approved project scope.

The contract plans for this project were completed in 2016. These plans incorporated recommendations based on the 2016 Geotechnical Report to mitigate for potential ground water impacts. Underdrains recommended per the Geotech report were installed as part of the planned construction work on the eastern portion of the project. The geotechnical investigation found no indications that groundwater would be an issue for the western portion of the project and as such, no underdrains were recommended on the western segment of this project.

The higher than average rainfall during 2017 and in 2018, during the construction of the project, resulted in a rise of the ground water table at locations previously found to have low ground water table. The Department observed that groundwater migrating down from the hillside was seeping up through the surface of the roadway pavement.

During winter months, this surface water freezes and forms icy road conditions. The remedy to the surface water freezing issue is proposed to protect the traveling public as well as to protect the investment of the roadway from the long-term impacts of the saturated structural section.

The additional work will include installing approximately 5,000 linear feet (LF) of 6-inch longitudinal underdrains and 2,000 LF of 3-inch diagonal cross drains; diagonal underdrains are necessary to capture any groundwater which migrates into the structural section to prevent it from migrating to surface in the travelled way.

The Department has considered having this work performed as a separate project, however, the Department believes that due to the time needed to program a new project, the wet and icy roadway condition will have to be remedied, which will cost more than completing the work within this ongoing project.

CONSEQUENCES:

If this project is not successful in obtaining supplemental funds, the District will have to program a new project to remedy the icy roadway at higher cost and risk of roadway incidents.

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FINANCIAL RESOLUTION:

Resolved, that \$1,610,000 be allocated from the Budget Act of 2019, Budget Act Item 2660-302-0890 for construction to provide funds for the SHOPP Safety Improvement project on SR 36 in Tehama County, to complete construction.

Attachment

