MEMORANDUM

To: CHAIR AND COMMISSIONERS
   CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: August 16-17, 2023

From: STEVEN KECK, Chief Financial Officer

Reference Number: 4.22, Information Item

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Subject: UPDATE ON THE AMERICAN RIVER BRIDGE DECK REPLACEMENT
   CONSTRUCTION MANAGER/GENERAL CONTRACTOR SHOPP PROJECT IN
   SACRAMENTO COUNTY

SUMMARY:

The California Transportation Commission (Commission)’s updated State Highway Operation and Protection Program (SHOPP) Guidelines, adopted in June 2020 under Resolution G-20-59, allows the California Department of Transportation (Department) flexibility to use the Construction Manager/General Contractor (CMGC) method to deliver projects. As part of the adopted SHOPP Guidelines, the Department is required to provide a list of the anticipated work packages and schedules to accompany the work package construction allocations on CMGC projects. This is the Department’s updated listing to the Commission for the CMGC American River Bridge Deck Replacement project (EA 3F070/PPNO 03-6402). The American River Bridge Deck Replacement project is on Route 51, in the city of Sacramento, from north of the B Street Underpass to north of the Exposition Boulevard Overcrossing at the American River Bridge No. 24-0003 and Cal Expo Undercrossing No. 24-0133. The project will widen and replace the bridge deck and construct a Class I bike and pedestrian path.

This project is currently funded in the 2022 SHOPP in Fiscal Year 2022-23. The total project funding for Construction Capital and Construction Support was $158,300,000; out of which three work packages were split and one additional work package is proposed.

Below is a summary of the work packages and the status:

Early Work Package 1: Amended into the 2020 SHOPP and allocated by the Commission at the December 2021 meeting for $12,900,000 to clear vegetation prior to the bird nesting season, construct equipment access areas, relocate Valley Elderberry Bushes, and procure

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steel sheet piles and foundation piles. Work under this package is estimated to be finished by December 2023.

**Early Work Package 2:** Amended into the 2022 SHOPP and allocated by the Commission at the March 2022 meeting for $10,950,000 to procure steel girders. Work under this package is estimated to be finished by August 2024.

**Early Work Package 3:** Amended into the 2022 SHOPP and allocated by the Commission at the May 2022 meeting for $61,691,000 to construct the foundation for the bridge widening. Work under this package is estimated to be finished by December 2024.

**Final Work Package:** Proposed SHOPP allocation to the Commission at the August 2023 meeting for $165,300,000 to widen and replace bridge deck and construct bike and pedestrian path.

**BACKGROUND:**
CMGC is a project delivery method that allows the Department to select a contractor early in the project development process to act in an advisory role. The CMGC contractor provides constructability reviews, value engineering suggestions, construction estimates, and other construction-related recommendations. When the design is approximately 90 to 95 percent complete, the CMGC contractor will provide a price to construct the project. If the price is acceptable, the CMGC contractor will become the general contractor and construct the project. If the price is not acceptable, the project is placed out to bid using the standard Design-Bid-Build method, and the CMGC contractor is prohibited from bidding on the project.

One of the benefits of CMGC is the ability to work with the CMGC contractor to identify early work packages that can expedite construction work on the critical path and shorten the construction duration, resulting in faster delivery and reduction in cost escalation on the capital construction costs.

By constructing the project using early work packages, the Department can award construction packages as the design is completed for those portions, and construction can occur around the various environmental, utility and right of way limitations. While some of these packages may ultimately be combined and delivered together, the flexibility to split the project in order to take advantage of schedule opportunities will help to achieve success on the project.

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