

## MEMORANDUM

To: CHAIR AND COMMISSIONERS  
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: March 25, 2020

From: STEVEN KECK, Chief Financial Officer

Reference Number: 4.29, Information Item

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Subject: **UPDATE ON THE CONSTRUCTION MANAGER/GENERAL CONTRACTOR  
COSUMNES RIVER BRIDGE REPLACEMENT PROJECT**

### **SUMMARY:**

As part of the Construction Manager/General Contractor (CMGC) process, the California Department of Transportation (Department) has been asked to provide periodic updates on projects. This is the Department's update to the California Transportation Commission (Commission) on the CMGC Cosumnes River Bridge Replacement project.

The Cosumnes River Bridge Replacement project is on State Route 99, in and near Elk Grove, from 0.3 mile south of the Dillard Road Overcrossing to 0.6 mile south of Grant Line Road. The project will replace the northbound and southbound Cosumnes River Bridges and Cosumnes River Overflow Bridges, upgrade bridge rails at the Dillard Road Overcrossing, and construct a new McConnell Overhead, over the railroad, to carry both northbound and southbound traffic. The scope will also address seismic and bridge scour deficiencies.

### **BACKGROUND:**

In June 2019, the Commission approved an exception, under Resolution G-19-33, to the State Highway Operation and Protection Program (SHOPP) Guidelines for the Cosumnes River Bridge CMGC project to allow the project to be split during the programmed year of delivery to demonstrate the benefits and flexibility of the CMGC method.

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 design is about 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 in packages, the Department can award construction packages as the design is completed for those packages, 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 take advantage of schedule opportunities will help to achieve success on the project.

This project is currently funded in the 2018 SHOPP in Fiscal Year 2019-20. The total project funding is \$184,000,000; out of which 4 work packages have been split. The current funded amount is \$156,255,000.

For the Cosumnes River Bridge Replacement project, there are currently six work packages. Below is a summary of the work packages and the status:

**Early Work Package 1:** Amended into the 2018 SHOPP and allocated by the Commission at the August 2019 Commission meeting for \$11,887,000 to import earthwork material and construct embankment for the construction of the new McConnell Overhead. Work under this package was completed in November 2019.

**Early Work Package 2:** Amended into the 2018 SHOPP and allocated by the Commission at the August 2019 Commission meeting for \$3,397,000 to construct foundations for temporary bridges at Cosumnes River Overflow for traffic detour. The package is currently in construction. Work is approximately 99 percent complete.

**Early Work Package 3:** Amended into the 2018 SHOPP and allocated by the Commission at the August 2019 Commission meeting for \$1,871,000 to fabricate pre-cast concrete girders for the McConnel Overhead. The pre-cast concrete girders have been ordered and will be delivered in time to begin construction of Early Work Package 4.

**Early Work Package 4:** Proposed SHOPP amendment and allocation to the Commission at the March 2020 Commission meeting for \$20,210,000 to construct bridge over the railroad at McConnell Overhead. If right of way is not obtained before the Commission meeting, this amendment and allocation will not proceed, but will instead occur at a later Commission meeting.

**Early Work Package 5:** Amended into the 2018 SHOPP and allocated by the Commission at the January 2019 Commission meeting for \$10,590,000 to construct temporary bridge superstructures and approach paving at Cosumnes River Overflow.

**Early Work Package 6:** Proposed SHOPP amendment and allocation to the Commission at the March 2020 Commission meeting for \$70,360,000 to remove and replace northbound and southbound Cosumnes River Bridges and Cosumnes River Overflow Bridges.

The final Work Package is expected to be allocated at the May 2020 Commission meeting for \$53,885,000, and the project is expected to be completed by December 2022.