

## MEMORANDUM

Tab 105

To: CHAIR AND COMMISSIONERS  
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: August 20-21, 2021

From: STEVEN KECK, Chief Financial Officer

Reference Number: 2.8c.(1), Action Item – **YELLOW REPLACEMENT ITEM**

Prepared By: James R. Anderson, Chief  
Division of Financial Programming

Subject: **REQUEST TO EXTEND THE PERIOD OF PROJECT COMPLETION FOR STATE-ADMINISTERED SHOPP PROJECTS, ON THE STATE HIGHWAY SYSTEM, PER SHOPP GUIDELINES WAIVER 21-109**

**ACTION UPDATE:** *The book item was replaced to correctly reflect the overall construction capital amount and the book item attachment was replaced to correctly reflect the construction capital amounts for each project and include additional information for the reason for delay for two projects.*

### **ISSUE:**

Should the California Transportation Commission (Commission) approve time extensions, to complete construction, for seven State Highway Operation and Protection Program (SHOPP) projects, as described in the attachment?

### **RECOMMENDATION:**

The California Department of Transportation (Department) recommends that the Commission approve time extensions, for the periods indicated, for seven SHOPP projects described in the attachment.

### **BACKGROUND:**

In 2018, the Commission allocated \$54,330,000 in construction capital for the attached SHOPP project phases; these projects were awarded in August, September, November, and December 2018. In accordance with the SHOPP Guidelines, the deadline to complete the Construction Contract Acceptance for projects awarded in August, September, and November 2018 is August, September, and November, and December 2021, respectively. Because the Department will not meet these deadlines, the Department is requesting time extensions to complete construction. The attachment shows the details of the projects and the delays that have resulted in these time extension requests.

*“Provide a safe and reliable transportation network that serves all people and respects the environment.”*

Current SHOPP Guidelines stipulate that the agency implementing a project requests a time extension if the project will not be completed within 36 months after award. The Commission may approve waivers to the timely use of funds deadline one-time only for up to 20 months.

Attachment

**Time Extension/Waiver – Project Completion for  
State Highway Operation and Protection Program**

Project Number: 1  
County: Trinity  
District: 02  
PPNO: 3526  
EA: 4F860  
Route: 36  
Program: SHOPP  
Phase: CON/CON Support  
Allocation Amount: \$6,350,000  
Allocation Date: 04/30/2018  
Award Date: 11/02/2018  
Number of Months Requested: 12 Months  
Extended Deadline: 05/31/2023

**Project Description:**

Near Forest Glen, from 0.5 to 0.1 mile west of Route 3. The project proposes to improve the roadway curve's geometric superelevation and transitions. The purpose, which was determined by a traffic safety investigation, is to reduce the frequency and severity of accidents at this location.

**Reason for Delay:**

Due to the complexity of the project (tall structure in an isolated, high elevation location), a total of 42 months to complete construction was requested at the time of allocation. Bids were opened for the project on July 31, 2018. All bids received were substantially higher than the allocation and supplemental funds of \$3,608,000 to award the project that the Commission approved at their October 2018 meeting.

During construction, unsuitable material and significant groundwater were discovered for the overall slope and near the pier footing, making the planned reinforced embankment not feasible as initially designed.

After evaluating multiple earthworks, structure options, and realigning several curves, it was necessary to span a creek with fish passage issues to minimize impacts and risks to the project and extend the structure by 70 feet.

As a result of lengthening the structure, a second supplemental fund of \$3,800,000 for construction and \$1,280,000 for support was necessary to complete the project, which the Commission approved at the March 2020 meeting. At that time, 42 months were thought to be adequate to complete construction. However, as the project is nearing completion, it is apparent that additional time is needed to complete the revised design and order/deliver other materials to

the remote location, re-mobilize foundation construction equipment, construct the foundation of abutment at the new location, and construct additional 70 feet of the structure.

Therefore, the Department is requesting a 12-month time extension to allow sufficient time to complete construction and close out the project by May 31, 2023.

**Time Extension/Waiver – Project Completion for  
State Highway Operation and Protection Program**

Project Number: 2  
County: Napa  
District: 04  
PPNO: 1485Q  
EA: 2J570  
Route: 121  
Program: SHOPP  
Phase: CON/CON Support  
Allocation Amount: \$1,482,000  
Allocation Date: 08/15/2018  
Award Date: 08/17//2018  
Number of Months Requested: 7 Months  
Extended Deadline: 03/31/2022

**Project Description:**

The project is located on State Route 121 (SR 121) near the city of Napa, from 0.6 mile to 0.4 mile south of Route 128. The purpose of this project is to eliminate washout damage to existing slopes. The need is to replace the 15-inch corrugated metal pipe culvert with a larger one to handle more water volume and to repair the existing slope erosion damage.

**Reason for Delay:**

This is a storm damage project to stabilize the embankment on SR 121 along Capell Creek, including riparian planting to meet the regulatory permit conditions. During completion of the roadway contract, it was determined that a plant establishment is required at Capell Creek.

The plant establishment started in March 2019 and was scheduled to end in November 2020. However, an additional one year was added because of plants that died due to the wildfires damage that occurred in September 2020. New plants need to be planted and watered for a period of time to comply with the regulatory agencies' permits requirements.

The additional time is also to ensure permit required mitigation planting survivorship of 75 percent is met at the end of the second year by providing a full two years of plant maintenance (basin mulch, fertilization, basin repair, weeding, pruning), pest/rodent control, foliage protection and on-grade irrigation component removal, and supplemental watering without any gap in plant establishment period, and to accommodate for the time needed by the Biological sciences and permits that will be needed for continuation of on-site monitoring and reporting.

Therefore, the Department is requesting a 7-month time extension to meet the construction Contract Acceptance target date of March 30, 2022.

**Time Extension/Waiver – Project Completion for  
State Highway Operation and Protection Program**

Project Number: 3  
County: Los Angeles  
District: 07  
PPNO: 4904  
EA: 31840  
Route: 5  
Program: SHOPP  
Phase: CON/CON Support  
Allocation Amount: \$3,150,000  
Allocation Date: 05/25/2018  
Award Date: 09/27/2018  
Number of Months Requested: 14 Months  
Extended Deadline: 11/30/2022

**Project Description:**

The project is located on Interstate 5 (I-5) in the city of Los Angeles from the State Street Overcrossing to the Mission Road Undercrossing, and on I-10 from the Mission Road On-ramp undercrossing to 0.3 mile east of the State Street Overcrossing, and the Northbound I-5 to Eastbound I-10 connector. The purpose of the project is to reduce crashes due to severe traffic environments such as wet and dark conditions. This will be done by applying High Friction Surface Treatment (HFST) to both the connectors and the ramps. Additionally, the highway lighting will be upgraded to Light Emitting Diodes (LEDs).

**Reason for Delay:**

The deadline to complete the Construction Contract Acceptance (CCA) for this SHOPP Safety Improvement project is September 30, 2021. However, the proposed groundwater de-watering for installing the high-mast lighting fixture foundations was unsuccessful due to the higher than anticipated groundwater levels and volume. In response, a contract change order (CCO) was processed to relocate the foundations of the high-mast lighting fixtures.

Furthermore, additional time will also be needed to accommodate for another CCO that was processed to add a transformer to the project scope to cover the existing voltage circuits to higher voltage or else the proposed LED lamps that will be installed will have insufficient voltage,

Therefore, the Department is requesting a 14-month time extension to allow sufficient time to complete construction and finalize the CCA by November 30, 2022.

**Time Extension/Waiver – Project Completion for  
State Highway Operation and Protection Program**

Project Number: 4  
County: Los Angeles  
District: 07  
PPNO: 5085  
EA: 33170  
Route: 1  
Program: SHOPP  
Phase: CON/CON Support  
Allocation Amount: \$567,000  
Allocation Date: 04/13/2018  
Award Date: 09/19/2018  
Number of Months Requested: 12 Months  
Extended Deadline: 09/30/2022

**Project Description:**

The project is located on State Route 1 (SR 1) in the city of Los Angeles (Wilmington), at North Fries Avenue. The purpose of this project is to mitigate and reduce vehicular and pedestrian fatal injuries and accidents. The project proposes to install new traffic signal and surveillance system, safety lighting, pedestrian crosswalks and upgrade the ADA curb ramps.

**Reason for Delay:**

The deadline to complete the Construction Contract Acceptance (CCA) for this SHOPP Safety Improvement project is September 30, 2021. However, this project is about 89% complete, but it is currently on hold due to waiting for the Los Angeles Department of Transportation (LADOT), the Los Angeles Bureau of Street Lighting (LABSL), and the Los Angeles Department of Water and Power (LADWP) to provide power and inspection to the recently installed signal poles and wiring.

Due to COVID-19 impacts, challenges with communication made it difficult to contact the appropriate staff with LADOT, LABSL, and LADWP to provide clearances. By procedure, after the clearances are received, the decision to inspect the recently installed signal poles and wiring (from the entities mentioned above) can be made, then the Department can proceed further and complete the project. Unfortunately, the difficult communication has caused a delay beyond the Department and the contractor's control.

Therefore, the Department is requesting a 12-month time extension to allow sufficient time to complete construction and finalize the CCA by September 30, 2022.

**Time Extension/Waiver – Project Completion for  
State Highway Operation and Protection Program**

Project Number: 5  
County: Stanislaus  
District: 10  
PPNO: 3011Y  
EA: 0X56Y  
Route: 99  
Program: SHOPP  
Phase: CON/CON Support  
Allocation Amount: \$536,000  
Allocation Date: 08/15/2018  
Award Date: 12/04/2018  
Number of Months Requested: 12 Months  
Extended Deadline: 12/31/2022

**Project Description:**

The project is located on State Route 99 (SR 99) in the city of Modesto at Carpenter Road/Briggsmore Avenue southbound off-ramp. The project proposes planting mitigation and irrigation system improvement. The need is to replant and process a 3-year plant establishment period post construction.

**Reason for Delay:**

The deadline to complete the Construction Contract Acceptance (CCA) for this SHOPP project is December 31, 2021. However, the irrigation system installation and planting work needed to be completed before processing a three-year plant establishment period (PEP). The PEP started in June 2019, and it is anticipated to extend beyond December 2021.

Thus, additional time is needed to complete the plant establishment period, ensure the plants are growing well, and accommodate any unanticipated project delays.

Therefore, the Department is requesting a 12-month time extension to allow sufficient time to complete construction and finalize the CCA by December 31, 2022.



**Time Extension/Waiver – Project Completion for  
State Highway Operation and Protection Program**

Project Number: 6  
County: San Bernardino  
District: 08  
PPNO: 0206Y  
EA: 0R160  
Route: 40  
Program: SHOPP  
Phase: CON/CON Support  
Allocation Amount: \$38,907,000  
Allocation Date: 05/16/2018  
Award Date: 09/07/2018  
Number of Months Requested: 16 Months  
Extended Deadline: 01/31/2023

**Project Description:**

Near Ludlow, from Crucero Road 0.4 mile west of Badger Wash. The purpose and the need of this project is to regrade the median and cross-slope and establish planting.

**Reason for Delay:**

The deadline to complete the Construction Contract Acceptance (CCA) for this SHOPP Safety Enhancements project is September 30, 2021. However, after this project was awarded, the Department added 500 working days to the project schedule to account for the Plant establishment period. In August 2020 the Construction activities was completed, which triggered the initiation of the Plant establishment extending the project schedule beyond the 36-month to complete this the phase.

Therefore, the Department is requesting a 16-month time extension to allow sufficient time to complete construction and finalize the CCA by January 31, 2023.

**Time Extension/Waiver – Project Completion for  
State Highway Operation and Protection Program**

Project Number: 7  
County: San Bernardino  
District: 08  
PPNO: 0127J  
EA: 0H470  
Route: 2  
Program: SHOPP  
Phase: CON/CON Support  
Allocation Amount: \$3,338,000  
Allocation Date: 05/16/2018  
Award Date: 09/28/2018  
Number of Months Requested: 5 Months  
Extended Deadline: 02/28/2022

**Project Description:**

Near Wrightwood, at Sheep Creek Bridge No. 54-0360. The purpose and need of this project is to upgrade the bridge railing and establish planting.

**Reason for Delay:**

The deadline to complete the Construction Contract Acceptance (CCA) for this SHOPP Bridge Preservation project is September 30, 2021. However, in the summer of 2020, the Department discovered lead paint on the bridge, which was undiscovered before the award. In addition, the hazardous waste change order, handling, and a winter shutdown during 2020-2021 created a delay to the project schedule and caused a late start of the plant establishment period.

Therefore, the Department is requesting a 5-month time extension to allow sufficient time to complete construction and finalize the CCA by February 28, 2022.