

## M e m o r a n d u m

**To:** CHAIR AND COMMISSIONERS  
CALIFORNIA TRANSPORTATION COMMISSION

**CTC Meeting:** June 28-29, 2017

**Reference No.:** 2.1a.(1b)  
Action Item

**From:** NORMA ORTEGA  
Chief Financial Officer

**Prepared by:** Bruce De Terra, Chief  
Division of  
Transportation Programming

**Subject:** SHOPP AMENDMENT 16H-015

**ISSUE:**

Should the California Transportation Commission (Commission) approve California Department of Transportation's (Department's) request to amend the State Highway Operation and Protection Program (SHOPP) under SHOPP Amendment 16H-015?

**RECOMMENDATION:**

The Department recommends that the Commission approve SHOPP Amendment 16H-015 that will amend the SHOPP Program, in accordance with Senate Bill 486, which requires the Commission to approve any changes or new projects amended into the SHOPP.

In addition to the SHOPP Amendment 16H-014 on the June 2017 Commission Agenda, the Department recommends 8 new capital projects to be amended into the 2016 SHOPP, as summarized in Attachment 1. The amendments noted below would be funded from the Major Damage Restoration, Collision Reduction, Mandates, Bridge Preservation, Roadway Preservation, Mobility, Roadway Preservation and 2016 SHOPP programming capacity. These projects are consistent with the asset management plan.

| 2016 SHOPP Summary of New Projects by Category | No. | FY 2016-17 (\$1,000) | FY 2017-18 (\$1,000) | FY 2018-19 (\$1,000) | FY 2019-20 (\$1,000) |
|--|-----|----------------------|----------------------|----------------------|----------------------|
| Major Damage Restoration                       | 1   |                      |                      |                      | \$2,695              |
| Collision Reduction                            | 1   |                      |                      | \$2,027              |                      |
| Mandates                                       | 1   |                      | \$2,655              |                      |                      |
| Bridge Preservation                            | 1   |                      | \$538                |                      |                      |
| Roadway Preservation                           | 2   |                      |                      | \$3,472              | \$19,033             |
| Mobility                                       | 1   |                      |                      |                      | \$11,565             |
| Roadside Preservation                          | 1   |                      |                      | \$3,139              |                      |
| Total Amendments                               | 8   |                      | \$3,193              | \$8,638              | \$33,293             |

**BACKGROUND:**

In each even numbered year, the Department prepares a four-year SHOPP which defines major capital improvements necessary to preserve and protect the State Highway System. Periodically, the Department proposes amendments to the SHOPP to address newly identified needs prior to the next programming cycle. Between programming cycles, the Department updates scope, schedule and cost to effectively deliver projects.

Resolution G-00-13, established in June 2000, provides the Department with means to develop SHOPP projects which require periods longer than the four-year SHOPP cycle. The Commission authorized the Department to program projects for development only when appropriate. Long Lead projects must identify challenges that require additional time beyond the typical four years to complete.

Senate Bill 486, signed by the Governor on September 30, 2014, requires Commission approval of projects amended into the SHOPP.

Attachments

**List of New 2016 SHOPP Project Amendments**

| No.<br>PPNO                     | Dist-Co-Rte<br>PM<br>EA<br>Project ID                | Project Location and<br>Description of Work  | R/W Cost<br>Const. Cost<br>(\$1,000) | FY    | Support Costs<br>(\$1,000)                        | Program Code<br>Leg./Congr. Dists.<br>Perf. Meas.  |   |
|---------------------------------|--|--|--------------------------------------|-------|---|--|---|
| <b>Major Damage Restoration</b> |  |  |                                      |       |   |  |   |
| 1<br><br>1498M                  | 04-Sol-680<br>R1.9/R2.0<br><br>4J040<br>04 1500 0246 | In Benicia, from north of Industrial Way to south of Lake Herman Road. Repair slip-outs and stabilize slope.<br><br>PA&ED: 06/01/2018<br>R/W: 07/01/2019<br>RTL: 08/01/2019<br>BC: 02/01/2020  | \$38 (R/W)<br>\$1,040 (C)            | 19-20 | PA&ED<br>PS&E<br>RW Sup<br>Con Sup<br><hr/> Total | \$560<br>\$514<br>\$22<br>\$521<br><hr/> \$1,617   | 201.131<br>Assembly: 14<br>Senate: 3<br>Congress: 5<br><br>1 Location(s)              |
| <b>Collision Reduction</b>      |  |  |                                      |       |   |  |   |
| 2<br><br>4795A                  | 12-Ora-73<br>16.8/17.1<br><br>0N840<br>12 1400 0115  | In Laguna Beach, on southbound Route 73, from Route 133 to 0.2 mile north of Route 133. Modify superelevation, install drainage inlets, place OGAC and place pavement delineation<br><br>PA&ED: 03/21/2017<br>R/W: 11/15/2018<br>RTL: 12/12/2018<br>BC: 07/17/2019 | \$0 (R/W)<br>\$980 (C)               | 18-19 | PA&ED<br>PS&E<br>RW Sup<br>Con Sup<br><hr/> Total | \$0<br>\$637<br>\$0<br>\$410<br><hr/> \$1,047      | 201.010<br>Assembly: 74<br>Senate: 37<br>Congress: 48<br><br>57 Collisions<br>Reduced |
| <b>Mandates</b>                 |  |  |                                      |       |   |  |   |
| 3<br><br>0142F                  | 04-Ala-Var<br>Var<br><br>0G221<br>04 1300 0470       | In Alameda and Contra Costa Counties, at various locations. Construct curb ramps and sidewalks.<br><br>PA&ED: 04/12/2013<br>R/W: 02/15/2018<br>RTL: 03/15/2018<br>BC: 09/12/2018   | \$20 (R/W)<br>\$700 (C)              | 17-18 | PA&ED<br>PS&E<br>RW Sup<br>Con Sup<br><hr/> Total | \$375<br>\$1,150<br>\$60<br>\$350<br><hr/> \$1,935 | 201.361<br>Assembly: 14, 15<br>Senate: 7<br>Congress: 11, 15<br><br>7 Curb Ramps      |

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|--|--|--|--------------------------------------|-------|---|---|
| <b>Bridge Preservation</b>                               |  |  |                                      |       |   |   |
| 4<br><br>6773  | 06-Fre-33<br>Var<br><br>0U000<br>06 1500 0296          | In Fresno County, at Colony Main Canal Bridge No. 42-0031, Helm Canal Bridge No. 42-0033 and Poso Canal Bridge No. 42-0034; also in Kern County on Route 58 at Main Drain Canal Bridge No. 50-0013. Repair erosion, clean and encase piers in concrete.<br><br>PA&ED: 10/01/2019<br>R/W: 01/01/2021<br>RTL: 02/01/2021<br>BC: 07/15/2021 | \$375 (R/W)<br>\$1,782 (C)           | 20-21 | *PA&ED<br>PS&E<br>RW Sup<br>Con Sup<br><hr/> Total<br>\$538<br>\$893<br>\$334<br>\$805<br><hr/> \$2,570     | 201.119<br>Assembly: 31, 32<br>Senate: 12, 16<br>Congress: 21<br><br>4 Bridge(s)          |
| Note: *PA&ED is the only authorized phase in FY 2017-18. |  |  |                                      |       |   |   |
| <b>Roadway Preservation</b>                              |  |  |                                      |       |   |   |
| 5<br><br>1452D   | 04-SCI-152<br>7.6/M10.2<br><br>2K750<br>04 1700 0019   | In Gilroy, from 0.3 miles west of Santa Teresa Boulevard to Route 101. Rehabilitate pavement.<br><br>PA&ED: 06/15/2018<br>R/W: 08/15/2018<br>RTL: 10/01/2018<br>BC: 02/01/2019   | \$10 (R/W)<br>\$14,165 (C)           | 19-20 | PA&ED<br>PS&E<br>RW Sup<br>Con Sup<br><hr/> Total<br>\$1,400<br>\$1,600<br>\$58<br>\$1,800<br><hr/> \$4,858 | 201.121<br>Assembly: 30<br>Senate: 17<br>Congress: 19, 20<br><br>7.9 Lane Miles           |
| 6<br><br>6802  | 06-Fre-198<br>R14.5/R18.2<br><br>0R110<br>06 1400 0030 | In Fresno County, at various locations; also in Kern County on Route 119 at various locations.<br><br>Replace damage drainage systems.<br><br>PA&ED: 05/01/2017<br>R/W: 02/01/2019<br>RTL: 03/01/2019<br>BC: 09/02/2019  | \$165 (R/W)<br>\$1,206 (C)           | 18-19 | PA&ED<br>PS&E<br>RW Sup<br>Con Sup<br><hr/> Total<br>\$0<br>\$1,184<br>\$463<br>\$454<br><hr/> \$2,101      | 201.151<br>Assembly: 31, 34<br>Senate: 14, 16<br>Congress: 23<br><br>7 Drainage System(s) |

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|------------------------------|---|--|--------------------------------------|-------|---|---|--|
| <b>Mobility</b>              |   |  |                                      |       |   |   |  |
| 7<br><br>3227                | 10-SJ-99<br>Var<br><br>1G750<br>10 1700 0036  | In San Joaquin, Merced, and Stanislaus counties, on Routes 5, 12, 59, 99, and 152 at various locations. Upgrade or replace inefficient and damaged Traffic Monitoring Station elements.<br><br>PA&ED: 04/01/2019<br>R/W: 02/14/2020<br>RTL: 03/16/2020<br>BC: 09/15/2020 | \$7 (R/W)<br>\$ 6,862 (C)            | 19-20 | PA&ED<br>PS&E<br>RW Sup<br>Con Sup<br><hr/> Total | \$1,202<br>\$1,719<br>\$465<br>\$1,310<br><hr/> \$4,696 | 201.315<br>Assembly: 10, 17,<br>25, 26<br>Senate: 12, 14<br>Congress: 11, 18,<br>19<br><br>101 Field<br>Elements |
| <b>Roadside Preservation</b> |   |  |                                      |       |   |   |  |
| 8<br><br>2704                | 05-SB-Var<br>Var<br><br>1H970<br>05 1700 0040 | In Santa Barbara, San Luis Obispo, Monterey and San Benito counties, at various locations. Advance mitigation banking credits.<br><br>PA&ED: N/A<br>R/W: N/A<br>RTL: N/A<br>BC: N/A  | \$2,919 (R/W)<br>\$0 (C)             | 18-19 | PA&ED<br>PS&E<br>RW Sup<br>Con Sup<br><hr/> Total | \$0<br>\$140<br>\$80<br>\$0<br><hr/> \$220              | 201.240<br>Assembly: 30, 35<br>Senate: 12, 17, 19<br>Congress: 20, 24<br><br>3 Location(s)                       |