

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

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

**CTC Meeting:** January 18-19, 2017

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

**From:** NORMA ORTEGA  
Chief Financial Officer

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

**Subject:** SHOPP AMENDMENT 16H-010

**RECOMMENDATION:**

The California Department of Transportation (Department) recommends the California Transportation Commission (Commission) approve the requested State Highway Operation and Protection Program (SHOPP) Amendment 16H-010; in accordance with Senate Bill 486 which requires the Commission to approve any changes or new projects amended into the SHOPP.

**ISSUE:**

Since the December 2016 report to the Commission, the Department recommends 15 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, Roadway Preservation, Mobility and 2016 SHOPP programming capacity.

<b>2016 SHOPP Summary of New Projects by Category</b>	<b>No.</b>	<b>FY 2016/17 (\$1,000)</b>	<b>FY 2017/18 (\$1,000)</b>	<b>FY 2018/19 (\$1,000)</b>	<b>FY 2019/20 (\$1,000)</b>
Major Damage Restoration	5	\$5,662			
Collision Reduction	4		\$1,710		\$61,480
Roadway Preservation	1				\$6,355
Mobility	5		\$29,538		
Total Amendments	15	\$5,662	\$31,248		\$67,835

**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, approved by Governor September 30, 2014, requires Commission approval of projects amended into the SHOPP.

Attachments

## List of New 2016 SHOPP Capital Project Amendments

PPNO	Dist-Co-Rte PM EA Project ID	Project Location and Description of Work	R/W Cost Const. Cost (\$1,000)	FY	Support Costs (\$1,000)	Program Code Leg. /Congr. Dists. Perf. Meas.
Major Damage Restoration						
4655	1-Men-101 49.4  0G590 01 1700 0025	Near Willits, at 1.3 miles north of Upp Creek. Remove and replace failed box culvert crossing, reconstruct roadway, and install erosion control measures.	\$10 (R/W) \$915 (C)	16/17	PA & ED PS & E RW Sup Con Sup Total \$0 \$0 \$10 \$240 \$250	201.130 Assembly: 1 Senate: 2 Congress: 1  1 Location
3464	3-ED-89 13.5/14.5  2H440 03 1700 0112	Near South Lake Tahoe, from 0.3 mile north of Spring Creek Road to 0.3 mile south of Cascade Road. Repair fire damaged slope/embankment, replace guard rail, remove hazardous trees, and repair erosion control measures.	\$10 (R/W) \$1,370 (C)	16/17	PA & ED PS & E RW Sup Con Sup Total \$10 \$0 \$2 \$100 \$112	201.130 Assembly: 4 Senate: 4 Congress: 1  1 Location
6852	6-Fre-99 R0.9/6.5  0W000 06 1700 0100	In and near Kingsburg and Selma, from 0.9 mile north of the Tulare County line to 0.1 mile north of Route 43. Remove and replace failed concrete pavement slabs with asphalt concrete.	\$900 (C)	16/17	PA & ED PS & E RW Sup Con Sup Total \$0 \$25 \$0 \$50 \$75	201.130 Assembly: 30, 31 Senate: 14, 16 Congress: 20, 21  1 Location
3213	10-Cal-26 22.0/22.8  1G900 10 1700 0054	Near Mokelumne Hill, at four spot locations (PM 22.0, 22.2, 22.5, and 22.8). Repair storm damaged slope, install culvert and headwall with rock slope protection (RSP), install overside drains and asphalt dikes, and install erosion control measures.	\$900 (C)	16/17	PA & ED PS & E RW Sup Con Sup Total \$35 \$145 \$0 \$450 \$630	201.130 Assembly: 10 Senate: 6 Congress: 3  4 Locations
1254	11-SD-8 5.8  42920 11 1700 0063	In the city of San Diego, at 0.2 mile east of Route 15. Repair sinkhole, grout voids around sewer line, and reconstruct median shoulder pavement.	\$350 (C)	16/17	PA & ED PS & E RW Sup Con Sup Total \$0 \$0 \$0 \$140 \$140	201.130 Assembly: 76 Senate: 39 Congress: 53  1 Location
Collision Reduction						
6249	3-Sac-Var Var  1H880 03 1700 0015	In Sacramento and Placer Counties, on Routes 50, 80, and 99 at various locations. Improve pavement friction and wet weather conditions. PAED: 05/15/2017 R/W: 10/01/2017 RTL: 11/01/2017 BC: 07/09/2018	\$1,300 (C)	17/18	PA & ED PS & E RW Sup Con Sup Total \$110 \$120 \$10 \$170 \$410	201.010 Assembly: 5, 6, 8, 9 Senate: 1, 4, 6 Congress: 4, 7  98 Collisions reduced
8381	3-Sut-99 40.0/40.5  2H230 03 1700 0083	In Live Oak, at Elm Street and Pennington Road. Intersection safety improvements. PAED: 08/01/2017 R/W: 07/01/2019 RTL: 09/01/2019 BC: 03/01/2020	\$100 (R/W) \$3,800 (C)	19/20	PA & ED PS & E RW Sup Con Sup Total \$500 \$630 \$620 \$660 \$2,410	201.010 Assembly: 3 Senate: 4 Congress: 3  51 Collisions reduced

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PPNO	Dist-Co-Rte PM EA Project ID	Project Location and Description of Work	R/W Cost Const. Cost (\$1,000)	FY	Support Costs (\$1,000)	Program Code Leg./Congr. Dist. Perf. Meas.
Collision Reduction (Cont.)						
1483F	4-SCI-101 R9.0/R16.8  2J890 04 1500 0022	In and near Morgan Hill, from south of Masten Avenue to East Main Avenue. Install edgeline and shoulder rumble strips, concrete barrier and enhanced wet-night visibility striping. PAED: 08/01/2018 R/W: 09/01/2019 RTL: 10/01/2019 BC: 05/01/2020	\$ 10 (R/W) \$ 1,760 (C)	19/20	PA & ED PS & E RW Sup Con Sup <hr/> Total \$1,055	201.010 Assembly: 30 Senate: 17 Congress: 19  85 Collisions reduced
4218	12-Ora-74 11.5/16.6  0P030 12 1500 0024	In the Cleveland National Forest, from 0.9 mile west of San Juan Fire Station to the Orange/Riverside County line. Super elevation corrections, shoulder widening, open graded asphalt concrete (OGAC) overlay and apply high friction surface treatment (HFST). PAED: 01/02/2019 R/W: 06/01/2020 RTL: 06/02/2020 BC: 01/04/2021	\$719 (R/W) \$35,611 (C)	19/20	PA & ED PS & E RW Sup Con Sup <hr/> Total \$16,015	201.010 Assembly: 73 Senate: 36 Congress: 49  160 Collisions reduced
Roadway Preservation						
3141	10-SJ-88 13.5/14.1  0S740 10 1300 0260	Near Lockeford, from 0.1 mile south of East Jack Tone Road to north of North Tully Road intersection; also, near Kirkwood in Alpine County (PM 0.3/2.6). Replace culverts. PAED: 03/16/2019 R/W: 03/31/2020 RTL: 04/30/2020 BC: 10/26/2020	\$335 (R/W) \$3,160 (C)	19/20	PA & ED PS & E RW Sup Con Sup <hr/> Total \$2,860	201.151 Assembly: 26 Senate: 14 Congress: 11  30 Drainage systems
Mobility						
1488T	4-Ala-Var Var  3K310 04 1700 0131	In Alameda County, on Routes 24, 80, 84, 92, 238, 580, 680, 880, and 980 at various locations. Repair and replace existing Transportation Management System elements. PAED: 09/29/2017 R/W: 01/15/2018 RTL: 03/15/2018 BC: 11/15/2018	\$10 (R/W) \$4,549 (C)	17/18	PA & ED PS & E RW Sup Con Sup <hr/> Total \$1,368	201.315 Assembly: 16, 18, 20, 25 Senate: 7, 9, 10 Congress: 13, 15, 17  248 Field elements

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Mobility (Cont.)						
1488V	4-CC-Var Var  3K320 04 1700 0132	In Contra Costa County, on Routes 4, 24, 80, 242, 580, and 680 at various locations. Repair and replace existing Transportation Management System elements. PAED: 09/29/2017 R/W: 01/15/2018 RTL: 03/15/2018 BC: 11/15/2018	\$10 (R/W) \$3,644 (C)	17/18	PA & ED PS & E RW Sup Con Sup Total \$50 \$314 \$10 \$722 \$1,096	201.315 Assembly: 11, 14, 15 Senate: 7, 9 Congress: 5, 11  235 Field elements
1488X	4-SM-Var Var  3K340 04 1700 0134	In San Mateo and San Francisco Counties, on Routes 80, 92, 101, and 280 at various locations. Repair and replace existing Transportation Management System elements. PAED: 09/29/2017 R/W: 01/15/2018 RTL: 03/15/2018 BC: 11/15/2018	\$10 (R/W) \$2,747 (C)	17/18	PA & ED PS & E RW Sup Con Sup Total \$37 \$236 \$10 \$545 \$828	201.315 Assembly: 17, 19, 22, 24 Senate: 11, 13 Congress: 12, 14, 18  144 Field elements
1488W	4-SCI-Var Var  3K330 04 1700 0133	In Santa Clara County, on Routes 17, 85, 87, 101, 152, 237, 280, and 680 at various locations. Repair and replace existing Transportation Management System elements. PAED: 09/29/2017 R/W: 01/15/2018 RTL: 03/15/2018 BC: 11/15/2018	\$10 (R/W) \$4,801 (C)	17/18	PA & ED PS & E RW Sup Con Sup Total \$68 \$415 \$10 \$951 \$1,444	201.315 Assembly: 24, 25, 27, 28, 29, 30 Senate: 10, 13, 15, 17 Congress: 17, 18, 19  295 Field elements
1488Y	4-Son-Var Var  3K350 04 1700 0135	In Sonoma, Marin, Napa, and Solano Counties, on Routes 12, 29, 37, 80, 101, 580, 680, and 780 at various locations. Repair and replace existing Transportation Management System elements. PAED: 09/29/2017 R/W: 01/15/2018 RTL: 03/15/2018 BC: 11/15/2018	\$10 (R/W) \$6,929 (C)	17/18	PA & ED PS & E RW Sup Con Sup Total \$101 \$600 \$10 \$1,371 \$3,028	201.315 Assembly: 2, 4, 10, 11 Senate: 2, 3 Congress: 2, 3, 5  392 Field elements