

TAB 87

Memorandum

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: June 28-29, 2017

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

From: NORMA ORTEGA
Chief Financial Officer

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

Subject: **SHOPP AMENDMENT 16H-014**

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-014?

RECOMMENDATION:

The Department recommends that the Commission approve SHOPP Amendment 16H-014 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.

Since the May 2017 report to the Commission, the Department recommends 93 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. 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	71	\$224,979	\$19,968		
Collision Reduction	14		\$14,720	\$3,505	\$63,213
Roadway Preservation	2				\$21,567
Mobility	6		\$76,721	\$10,865	
Total Amendments	93	\$224,979	\$111,409	\$14,370	\$84,780

The Department also recommends that the capital projects, as summarized in Attachment 2, and Long Lead projects, as summarized in Attachment 3 be amended into the 2016 SHOPP.

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

TAB 87 - REPLACEMENT ITEM**List of New 2016 SHOPP Capital Project Amendments**

No. 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							
1 1126	01-DN-101 20.0/R28.0 0H050 01 1700 0089	In and near Crescent City, from 2.7 miles south of Hamilton Road to 0.1 mile north of Washington Boulevard. Repair sinkhole and repair drainage systems, and restore roadway.	\$10 (R/W) \$600 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$10 \$200 \$210	201.130 Assembly: 1 Senate: 4 Congress: 1 2 Location(s)
2 2478	01-Hum-96 20.0/24.0 0H030 01 1700 0087	Near Weitchpec, from 3.0 miles west of Klamath River to 0.6 mile east of Upper Weitchpec School Road. Repair roadway slipout.	\$25 (R/W) \$3,200 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$25 \$950 \$975	201.130 Assembly: 1 Senate: 2 Congress: 1 1 Location(s)
3 2482	01-Hum-96 24.2/R44.2 0H190 01 1700 0127	Near Orleans, from 0.9 mile east of Upper Weitchpec Road to 0.8 mile west of Siskiyou County line. Remove slide debris, reconstruct embankment slipouts, and repair drainage systems.	\$25 (R/W) \$2,000 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$25 \$600 \$625	201.130 Assembly: 1 Senate: 2 Congress: 1 1 Location(s)
4 2480	01-Hum-101 T0.0/R13.0 0H100 01 1700 0103	Near Garberville, from Mendocino County line to 0.3 mile north of Skyway Road. Repair and replace culverts, repair sinkholes, and restore roadway.	\$15 (R/W) \$3,400 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$25 \$700 \$725	201.130 Assembly: 1 Senate: 2 Congress: 1 1 Location(s)
5 2479	01-Hum-211 R77.2/78.6 0H070 01 1700 0096	Near Ferndale, at Eel River (Fernbridge) Bridge No. 04-0134. Repair bridge scour.	\$30 (R/W) \$3,000 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$20 \$600 \$620	201.130 Assembly: 1 Senate: 2 Congress: 1 1 Location(s)
6 2476	01-Hum-254 4.0/6.0 0H010 01 1700 0085	Near Miranda, from 0.1 mile south of Fish Creek Road to Madrona Road. Reconstruct embankment slipout, repair sinkhole, and restore roadway.	\$25 (R/W) \$3,000 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$25 \$900 \$925	201.130 Assembly: 1 Senate: 2 Congress: 1 2 Location(s)
7 3114	01-Lak-29 12.0/15.0 0H060 01 1700 0090	Near Lakeport, from 0.1 mile north of Spruce Grove Road to 0.1 mile north of Hofacker Lane. Repair sinkhole, replace culvert, and restore roadway.	\$10 (R/W) \$2,700 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$10 \$550 \$560	201.130 Assembly: 1 Senate: 2 Congress: 1 1 Location(s)

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Major Damage Restoration (Cont.)						
8 4669	01-Men-1 34.4/38.4 0H000 01 1700 0084	Near Elk, from 0.5 mile north of Philo Greenwood Road to 0.5 mile south of Navarro Bluff Road. Repair slipout, repair sinkhole, and replace large-diameter culvert.	\$15 (R/W) \$1,250 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$0 \$15 \$350 \$365	201.130 Assembly: 1 Senate: 2 Congress: 1 2 Location(s)
9 4667	01-Men-20 36.4 0G940 01 1700 0077	Near Calpella, at East Fork Russian River Bridge No. 10-0184. Repair bridge deck.	\$10 (R/W) \$1,500 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$0 \$10 \$350 \$360	201.130 Assembly: 1 Senate: 2 Congress: 1 1 Location(s)
10 4672	01-Men-101 64.0/82.0 0H110 01 1700 0104	Near Laytonville, from 0.7 mile south of Sloan Road to 0.8 mile north of Bell Springs Road. Repair accelerated pavement failure.	\$5 (R/W) \$8,000 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$0 \$10 \$2,000 \$2,010	201.130 Assembly: 1 Senate: 2 Congress: 1 1 Location(s)
11 4673	01-Men-101 R84.0/R85.5 0H120 01 1700 0105	In Cummings, from Rattlesnake Creek to 0.8 mile north of Route 271 Separation; also on Route 271, from Route 101 to 0.7 mile south of Marion Lane (PM 0.0 to PM 4.0). Stabilize slide and reconstruct roadway.	\$25 (R/W) \$6,000 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$0 \$25 \$950 \$975	201.130 Assembly: 1 Senate: 2 Congress: 1 3 Location(s)
12 4671	01-Men-101 97.1 0H090 01 1700 0099	Near Leggett, at 0.3 mile south of Bridges Creek. Remove slide debris, install rockfall protection measures, and restore roadway.	\$15 (R/W) \$1,200 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$0 \$15 \$400 \$415	201.130 Assembly: 1 Senate: 2 Congress: 1 1 Location(s)
13 4670	01-Men-128 0.5/1.5 0H080 01 1700 0098	Near Albion, from 0.5 mile east of Route 1 to 1.5 miles east of Route 1. Repair sinkhole and repair drainage systems, and restore roadway.	\$10 (R/W) \$750 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$0 \$10 \$250 \$260	201.130 Assembly: 1 Senate: 2 Congress: 1 1 Location(s)
14 4681	01-Men-175 5.0/9.0 0H210 01 1700 0130	Near Hopland, from 1.0 mile east of Buckman Drive Road to 0.5 mile east of McDowell Sidehill Viaduct. Construct soldier pile retaining walls and repair roadway.	\$50 (R/W) \$2,750 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$0 \$50 \$850 \$900	201.130 Assembly: 1 Senate: 2 Congress: 1 2 Location(s)

TAB 87 - REPLACEMENT ITEM**List of New 2016 SHOPP Capital Project Amendments**

No. 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 (Cont.)							
15 4674	01-Men-253 0.0/13.0 0H130 01 1700 0106	Near Boonville, from Route 128 to 0.1 mile east of Butler Ranch Road. Repair and replace culverts, repair slipouts, and restore roadway.	\$10 (R/W) \$1,700 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$15 \$425 \$440	201.130 Assembly: 1 Senate: 2 Congress: 1 1 Location(s)
16 3693	02-Sha-299 62.0/62.1 3H510 02 1700 0133	Near Burney, from 0.9 mile east of Supan Road to 0.7 mile west of Buffum Road; also from 0.1 mile east of Terry Mill Road to 0.3 mile east of Terry Mill Road (PM 68.35 to PM 62.14); also at 0.9 mile east of Terry Mill Road (PM 69.22). Stabilize slope, modify drainage systems, and repair roadway.	\$0 (R/W) \$1,300 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$0 \$400 \$400	201.130 Assembly: 2 Senate: 4 Congress: 2 3 Location(s)
17 3689	02-Sis-5 2.6 3H390 02 1700 0105	In Dunsmuir, at 0.1 mile north of Dunsmuir Avenue. Remove slide debris, install drainage and restore roadway.	\$10 (R/W) \$2,500 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$0 \$700 \$700	201.130 Assembly: 2 Senate: 4 Congress: 2 1 Location(s)
18 3690	02-Sis-5 6/R13.5 3H400 02 1700 0107	Near Mt. Shasta, from 0.1 mile north of Mott Road to 0.4 mile north of Abrams Lake Road; also near Yreka, from Juniper Creek Bridge to Greenhorn Creek Bridge (PM R44 to PM R46). Remove and replace damaged asphalt concrete pavement.	\$0 (R/W) \$2,500 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$0 \$500 \$500	201.130 Assembly: 2 Senate: 4 Congress: 2 2 Location(s)
19 3674	02-Tri-3 40.0/41.5 3H000 03 1700 0046	Near Weaverville, from 1.4 miles south to 0.2 mile north of Slate Creek Road. Continue revegetation and 5 year plant establishment for storm damage EA 02-2H560. PA&ED: 05/03/2017 R/W: 05/04/2017 RTL: 05/08/2017 BC: 11/22/2017	\$0 (R/W) \$330 (C)	17-18	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$10 \$270 \$280	201.131 Assembly: 2 Senate: 2 Congress: 2 1 Location(s)

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Major Damage Restoration (Cont.)							
20 3692	02-Tri-36 R1.6/R9.1 3H440 02 1700 0126	Near Mad River, from 0.3 mile east of Mad River Rock Lookout Road to 1.0 mile west of South Fork Mountain Road; also at 0.8 mile west of Trinity Pines Road (PM 24.0). Stabilize embankment, construct tie-back retaining wall, and reconstruct roadway.	\$0 (R/W) \$3,100 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$0 \$1,000 \$1,000	201.130 Assembly: 1 Senate: 4 Congress: 2 3 Location(s)
21 3688	02-Tri-299 39.2 3H380 02 1700 0104	Near Junction City, at 1.0 mile west of Valdor Drive. Repair slipout and construct soldier pile tie back retaining wall.	\$0 (R/W) \$1,750 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$0 \$650 \$650	201.130 Assembly: 1 Senate: 4 Congress: 2 1 Location(s)
22 2292	03-But-70 46.0/47.0 3H170 03 1700 0238	Near Cresta, from 0.4 mile west of Bear Creek to 0.2 mile east of Arch Rock Tunnel. Reconstruct RSP embankment and repair flooded roadway.	\$0 (R/W) \$1,510 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$20 \$0 \$0 \$170 \$190	201.130 Assembly: 3 Senate: 4 Congress: 2 1 Location(s)
23 2636	03-But-162 15.8/18.0 3H210 03 1700 0243	In Oroville, from Route 70 to Lower Wyandotte Road. Repair pavement from large-scale truck haul from Oroville Dam Spillway work.	\$0 (R/W) \$700 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$5 \$0 \$0 \$140 \$145	201.130 Assembly: 3 Senate: 4 Congress: 4 1 Location(s)
24 2952	03-Col-20 5.1/12.5 3H160 03 1700 0237	Near Wilbur Springs, from 1.6 miles east of Route 16 to 0.7 mile east of Leesville Road. Remove slide debris, repair embankment slipout, and repair roadside safety elements.	\$20 (R/W) \$2,320 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$40 \$0 \$10 \$230 \$280	201.130 Assembly: 2 Senate: 4 Congress: 2 1 Location(s)
25 3323	03-ED-50 21.6/34.1 3H180 03 1700 0239	In and near Camino, from 0.2 mile east of Parkway Drive to 0.3 mile west of Old Carson Road. Repair slides, reconstruct embankment slipouts, and restore roadway.	\$20 (R/W) \$2,340 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$15 \$0 \$10 \$275 \$300	201.130 Assembly: 4 Senate: 1 Congress: 4 5 Location(s)
26 3324	03-ED-50 33.9/36.2 3H230 03 1700 0245	Near Pollock Pines, from 0.5 mile west of Outer Limits Lane to 0.6 mile east of Hazel Valley Road. Repair asphalt pavement and support geotechnical drilling investigations.	\$10 (R/W) \$590 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$15 \$0 \$5 \$550 \$570	201.130 Assembly: 4 Senate: 1 Congress: 4 2 Location(s)

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Major Damage Restoration (Cont.)						
27 3322	03-ED-50 43.7/50.0 3H120 03 1700 0232	Near Kyburz, from 0.4 mile west of South Fork American River Bridge to 0.8 mile east of Kyburz Road. Remove slides, reconstruct embankment slipouts, and restore roadway.	\$30 (R/W) \$3,900 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$10 \$0 \$10 \$500 \$520	201.130 Assembly: 4 Senate: 1 Congress: 4 1 Location(s)
28 3325	03-ED-50 48.8/49.0 3H240 03 1700 0264	In Kyburz, from 0.1 mile west of Kyburz Drive to 0.1 mile east of Capachi Drive. Abandon existing drainage system and install new drainage system.	\$20 (R/W) \$750 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$25 \$0 \$25 \$100 \$150	201.130 Assembly: 4 Senate: 1 Congress: 4 1 Location(s)
29 3634	03-ED-193 19.8/26.9 3H070 03 1700 0224	Near Placerville, from 0.2 mile east of Spanish Flat Road to Route 49. Remove mudslide debris, repair drainage systems, and grade slopes.	\$10 (R/W) \$990 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$50 \$0 \$20 \$200 \$270	201.130 Assembly: 4 Senate: 1 Congress: 4 1 Location(s)
30 7439	03-Sac-220 2.5/3.1 3H080 03 1700 0225	Near Ryde, from Tina Lake Lane to River Road. Reconstruct embankment slipout and restore roadway.	\$0 (R/W) \$560 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$10 \$0 \$0 \$70 \$80	201.130 Assembly: 15 Senate: 5 Congress: 3, 10 2 Location(s)
31 8009	03-Sie-89 6.4/15.6 3H220 03 1700 0244	Near Sierraville, from Henness Pass Road to 0.3 mile north of Perry Creek; also on Route 49 from Lincoln Street to 1.0 mile south of Lemon Canyon Road. Remove flood debris, repair drainage systems, replace sidewalk, and restore roadway.	\$20 (R/W) \$2,880 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$20 \$0 \$10 \$195 \$225	201.130 Assembly: 3 Senate: 1 Congress: 4 1 Location(s)
32 8143	03-Sut-20 17.0 3H250 03 1700 0266	Near Yuba City, at Feather River Bridge Overhead No. 18-0009. Repair bridge scour with RSP.	\$0 (R/W) \$2,110 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$30 \$0 \$6 \$261 \$297	201.130 Assembly: 2 Senate: 4 Congress: 2 1 Location(s)
33 8667	03-Yol-16 0.0/5.5 3H190 03 1700 0240	Near Rumsey, from the Colusa County line to 0.9 mile west of Rumsey Canyon Bridge. Remove multiple slide debris, repair drainage system, and restore roadway.	\$30 (R/W) \$2,770 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$60 \$0 \$10 \$275 \$345	201.130 Assembly: 2 Senate: 5 Congress: 2 1 Location(s)

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Major Damage Restoration (Cont.)							
34 8666	03-Yol-16 1.5/1.7 3H150 03 1700 0236	Near Rumsey, at 1.5 miles west of Colusa County line. Repair slipout and construct soldier pile retaining wall.	\$20 (R/W) \$8,610 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$200 \$0 \$10 \$930 \$1,140	201.130 Assembly: 2 Senate: 5 Congress: 2 1 Location(s)
35 1459G	04-Ala-84 R22.2/R22.5 4K760 04 1700 0349	Near Livermore, from 0.8 mile west of Ruby Hill Drive to 0.5 mile west of Ruby Hill Drive. Remove slide debris and repair concrete lined drainage ditches.	\$75 (R/W) \$2,450 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$45 \$860 \$905	201.130 Assembly: 15, 20 Senate: 10 Congress: 11 5 Location(s)
36 1461N	04-Ala-238 R14.5/16.6 0P200 04 1700 0409	In Hayward, from Route 580 to Route 880. Repair storm damaged roadway.	\$0 (R/W) \$1,250 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$0 \$360 \$360	201.130 Assembly: 18 Senate: 10 Congress: 9 1 Location(s)
37 1460K	04-Ala-580 R36.8/R38.5 4K920 04 1700 0364	In Oakland, from Oak Knoll Boulevard to 0.4 mile east of Seminary Avenue. Stabilize embankment settlement, repair drainage systems, and restore roadway.	\$0 (R/W) \$1,150 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$0 \$400 \$400	201.130 Assembly: 18 Senate: 9 Congress: 9 3 Location(s)
38 1461P	04-Ala-680 M0.4 0P210 04 1700 0410	In Fremont, at Scott Creek Road southbound off-ramp. Repair embankment slipout and place RSP.	\$0 (R/W) \$600 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$0 \$150 \$150	201.130 Assembly: 20 Senate: 10 Congress: 13 1 Location(s)
39 1461F	04-Mrn-1 0.1 0P000 04 1700 0387	Near Mill Valley, at Richardson Bay Bridge and Separation. Modify drainage systems, relocate electrical facilities, and repair roadway.	\$30 (R/W) \$1,100 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$25 \$400 \$425	201.130 Assembly: 6 Senate: 3 Congress: 6 1 Location(s)
40 1461G	04-Mrn-1 11.5 0P130 04 1700 0402	Near Stinson Beach, at 0.6 mile south of Panoramic Highway. Repair slipout, construct soldier pile retaining wall, and restore roadway.	\$200 (R/W) \$8,000 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$200 \$160 \$2,500 \$2,860	201.130 Assembly: 6 Senate: 3 Congress: 6 1 Location(s)

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Major Damage Restoration (Cont.)						
41 1460C	04-Mrn-1 22.8 4K850 04 1700 0378	Near Olema, at Olema Creek Bridge No. 27-0020. Construct sheet pile retaining wall and replace culvert.	\$250 (R/W) \$4,000 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$0 \$80 \$1,400 \$1,480	201.130 Assembly: 6 Senate: 3 Congress: 6 2 Location(s)
42 1460D	04-Mrn-1 35.3 4K860 04 1700 0379	Near Marshall, at 3.2 miles south of Marshall Petaluma Road. Reconstruct embankment washout and modify drainage system.	\$30 (R/W) \$1,400 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$0 \$25 \$350 \$375	201.130 Assembly: 6 Senate: 3 Congress: 6 1 Location(s)
43 1459K	04-SCI-35 10.5 4K800 04 1700 0352	Near Los Gatos, at 1.2 miles north of Las Cumbres Road. Construct soldier pile walls, reconstruct embankment washout, restore roadway.	\$2,000 (R/W) \$27,610 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$1,500 \$400 \$5,900 \$7,800	201.130 Assembly: 21, 27 Senate: 11 Congress: 14 1 Location(s)
44 1460L	04-SCI-35 12.4 4K930 04 1700 0366	Near Saratoga, at 1.6 miles south of Route 9. Repair sinkhole and repair culvert.	\$50 (R/W) \$1,300 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$0 \$30 \$455 \$485	201.130 Assembly: 21, 27 Senate: 11 Congress: 14 1 Location(s)
45 1459J	04-SCI-101 52.2 4K790 04 1700 0348	In Palo Alto, at Embarcadero Road Overcrossing No. 37-0150. Replace reinforced concrete girder.	\$0 (R/W) \$1,050 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$0 \$0 \$400 \$400	201.130 Assembly: 21 Senate: 11 Congress: 14 1 Location(s)
46 1462B	04-SCI-101 R26.7 0P460 04 1700 0440	In San Jose, at Route 101-85/S101 HOV Connector Separation No. 37-0628E. Repair approach slabs and roadway settlement.	\$0 (R/W) \$1,100 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$0 \$0 \$400 \$400	201.130 Assembly: 23, 24 Senate: 10, 13 Congress: 16 1 Location(s)
47 1458Q	04-SCI-152 7.9/9.4 4K620 04 1700 0328	In Gilroy, from Santa Teresa Boulevard to Monterey Road. Repair storm damaged roadway.	\$0 (R/W) \$1,000 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$0 \$0 \$300 \$300	201.130 Assembly: 28 Senate: 13 Congress: 15 1 Location(s)

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Major Damage Restoration (Cont.)						
48 1461H	04-SM-1 13.5/15.1 0P160 04 1700 0405	Near Pescadero, from 0.1 mile south of Pescadero Creek Road to 1.5 miles north of Pescadero Creek. Construct gabion retaining wall, place RSP, and construct sheet pile retaining wall.	\$50 (R/W) \$3,600 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$0 \$75 \$1,260 \$1,335	201.130 Assembly: 19 Senate: 11 Congress: 14 5 Location(s)
49 1460G	04-SM-84 7.8/8.8 4K890 04 1700 0372	Near La Honda, from 0.5 mile west of Pescadero Creek Road to 0.5 mile east of Pescadero Creek Road. Reconstruct embankment washouts and place RSP.	\$30 (R/W) \$1,200 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$0 \$30 \$400 \$430	201.130 Assembly: 19 Senate: 11 Congress: 14 2 Location(s)
50 1460H	04-SM-84 12.0/12.5 4K900 04 1700 0376	Near Sky Londa, from 0.3 mile west of Old La Honda Road to 0.2 mile east of Old La Honda Road. Stabilize slide, replace culvert and restore roadway.	\$5 (R/W) \$450 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$0 \$0 \$150 \$150	201.130 Assembly: 19 Senate: 11 Congress: 14 1 Location(s)
51 1462D	04-SM-84 16.3/17.6 0P490 04 1700 0452	Near Sky Londa, from 0.3 mile east of Friars Lane to 0.5 mile west of Fox Hill Road. Reconstruct embankment slipouts and construct soldier pile retaining walls.	\$300 (R/W) \$4,330 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$300 \$90 \$1,300 \$1,690	201.130 Assembly: 21 Senate: 8 Congress: 14 2 Location(s)
52 1461Q	04-SM-92 0.9 0P150 04 1700 0404	Near Half Moon Bay, at 0.7 mile east of Main Street. Repair slipout, construct soldier pile retaining wall, and restore roadway.	\$200 (R/W) \$2,000 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$200 \$40 \$600 \$840	201.130 Assembly: 19 Senate: 8 Congress: 14 1 Location(s)
53 1456G	04-SM-101 17.5/26.1 4K280 04 1700 0291	In Millbrae, from 0.4 mile south of Millbrae Avenue to San Francisco County line; also in San Francisco, from Alana Way to Silver Avenue (PM 0.0 to PM 1.8). Repair storm damaged roadway.	\$0 (R/W) \$1,500 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$0 \$0 \$450 \$450	201.130 Assembly: 19, 21 Senate: 8, 11 Congress: 12, 14 1 Location(s)
54 1461R	04-SM-280 R20.4 0P280 04 1700 0418	In San Bruno, at 0.2 mile north of Jenevein Avenue. Reconstruct embankment washout, replace culverts, and place RSP.	\$30 (R/W) \$850 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$0 \$25 \$300 \$325	201.130 Assembly: 19 Senate: 8 Congress: 12 1 Location(s)

TAB 87 - REPLACEMENT ITEM**List of New 2016 SHOPP Capital Project Amendments**

No. 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 (Cont.)						
55 1458T	04-Sol-12 7.4/R17.1 4K650 04 1700 0331	Near Fairfield, from 0.1 mile west of Lawler Ranch Parkway to 0.1 mile west of Olsen Road. Repair storm damaged roadway.	\$0 (R/W) \$2,200 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$0 \$0 \$660 \$660	201.130 Assembly: 8 Senate: 2, 5 Congress: 10 1 Location(s)
56 1460M	04-Sol-113 4.0/17.0 4K940 04 1700 0374	Near Dixon, from Robinson Road to 0.3 mile south of Midway Road. Repair storm damaged roadway.	\$0 (R/W) \$1,800 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$0 \$0 \$540 \$540	201.130 Assembly: 8 Senate: 5 Congress: 3, 10 1 Location(s)
57 1461E	04-Son-12 T17.6/18.5 0P180 04 1700 0407	In Santa Rosa, from 0.2 mile west of Hoen Avenue to 0.1 mile east of Brush Creek Road. Repair storm damaged roadway.	\$0 (R/W) \$400 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$0 \$0 \$175 \$175	201.130 Assembly: 7 Senate: 2 Congress: 6 1 Location(s)
58 1456P	04-Son-101 1.2 4K360 04 1700 0301	Near Petaluma, at 0.3 mile south of Tunzi Road. Stabilize slope, place RSP, and repair drainage system.	\$0 (R/W) \$1,000 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$0 \$0 \$350 \$350	201.130 Assembly: 6 Senate: 3 Congress: 6 1 Location(s)
59 1460P	04-Son-116 39.9/40.1 4K960 04 1700 0381	Near Lakeville, from 0.6 mile east of Lakeville Highway to 0.9 mile east of Lakeville Highway. Reconstruct embankment slipout and repair roadway.	\$200 (R/W) \$1,700 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$0 \$0 \$40 \$600 \$640	201.130 Assembly: 6 Senate: 3 Congress: 6 2 Location(s)
60 2719	05-Mon-1 23.0/45.4 1J340 05 1700 0089	Near Big Sur, from 2.9 miles south of Vicente Creek Bridge to 0.9 mile north of Coast Ridge Road. Remove slide debris, support geotechnical investigations, and repair drainage systems.	\$50 (R/W) \$5,500 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$40 \$100 \$20 \$1,400 \$1,560	201.130 Assembly: 27 Senate: 15 Congress: 17 8 Location(s)
61 2718	05-Mon-101 93.5 1J330 05 1700 0088	Near Prunedale, at 0.4 mile north of Ralph Lane. Repair box culvert and restore roadway.	\$10 (R/W) \$500 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total \$15 \$30 \$5 \$100 \$150	201.130 Assembly: 27, 28 Senate: 15 Congress: 17 1 Location(s)

TAB 87 - REPLACEMENT ITEM

List of New 2016 SHOPP Capital Project Amendments

No. 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 (Cont.)							
62 2724	05-SLO-1 28.1 1J360 05 1700 0091	Near Morro Bay, at 0.2 mile north of South Bay Boulevard. Repair sinkhole, replace culvert, and restore roadway.	\$10 (R/W) \$400 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$10 \$25 \$5 \$100 \$140	201.130 Assembly: 33 Senate: 15 Congress: 22, 23 1 Location(s)
63 6872	06-Fre-5 39.5/48.5 0W320 06 1700 0233	Near Coalinga, from 1.1 miles north of W. Kamm Avenue to 0.5 mile south of W. Panoche Road. Remove and replace failed pavement.	\$0 (R/W) \$800 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$0 \$275 \$275	201.130 Assembly: 31 Senate: 16 Congress: 20 1 Location(s)
64 6867	06-Ker-58 76.0/77.0 0W310 06 1700 0219	Near Bakersfield, from 16.5 miles east of Route 184 to 1.4 miles east of Route 223. Remove and replace failed pavement slabs.	\$0 (R/W) \$500 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$0 \$250 \$250	201.130 Assembly: 32 Senate: 18 Congress: 22 1 Location(s)
65 6878	06-Ker-Var Var 0U940 06 1600 0133	In Kern, Tulare and Fresno Counties on various routes and at various locations. Remove dead trees. PA&ED: 12/01/2017 R/W: 03/01/2018 RTL: 03/15/2018 BC: 09/21/2018	\$10 (R/W) \$15,353 (C)	17-18	PA&ED PS&E RW Sup Con Sup Total	\$670 \$945 \$30 \$2,350 \$3,995	201.131 Assembly: 23, 26 Senate: 14, 18 Congress: 23 10,000 Location(s)
66 5265	07-LA-1 50.3/51.1 1XE60 07 1700 0291	Near Malibu, from 0.7 mile south of Corral Canyon Road to 0.2 mile north of Latigo Canyon Drive; also in Ventura County, from 0.6 mile south of Deer Creek Road to 0.1 mile north of Calleguas Creek Road. Remove slide debris and repair drainage systems.	\$50 (R/W) \$2,300 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$0 \$550 \$550	201.130 Assembly: 41 Senate: 23 Congress: 30 1 Location(s)
67 5266	07-LA-14 R27.6/R28.6 1XE50 07 1700 0283	In Santa Clarita, from 0.5 mile south of Placenta Canyon Road to 0.5 mile north of Placenta Canyon Road; also near Agua Dulce, at 0.4 mile north of Escondido Canyon Road (PM 42.9). Remove slide debris, place temporary barrier railing and repair rockfall netting.	\$0 (R/W) \$475 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$0 \$100 \$100	201.130 Assembly: 38 Senate: 17 Congress: 25 2 Location(s)

TAB 87 - REPLACEMENT ITEM

List of New 2016 SHOPP Capital Project Amendments

No. 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 (Cont.)							
68 5262	07-LA-Var Var 1XE20 07 1700 0267	Near San Fernando, from Sheldon Street to Lankershim Boulevard; also near Santa Clarita, at 0.5 mile north of Weldon Canyon Road; also on Route 210 at various locations (PM R7.0, PM R9.2 to PM 9.6, and PM R9.6). Repair washed out slopes and repair drainage systems.	\$0 (R/W) \$360 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$0 \$72 \$72	201.130 Assembly: 36-39, 41, 42, 44-61, 67-71 Senate: 17, 19, 20, 21, 23-30 Congress: 22, 24- 39 7 Location(s)
69 5066	07-Ven-1 21.2/28.5 2X050 07 1700 0273	Near the City of Ventura, from Solimar Undercrossing to Mobile Pier Road; also on Route 101 from Main Street to Santa Barbara County line. Repair sinkhole, reconstruct washouts, and repair drainage systems.	\$100 (R/W) \$3,215 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$50 \$650 \$700	201.130 Assembly: 35, 41 Senate: 19, 23 Congress: 23, 24 1 Location(s)
70 5179	07-Ven-33 15.4/52.0 1XC90 07 1700 0266	Near Mira Monte, from Matilija Hot Springs Road to 1.9 miles south of Apache Canyon Road. Remove multiple slide debris, stabilize slopes, and repair drainage systems.	\$260 (R/W) \$2,700 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$0 \$100 \$600 \$700	201.130 Assembly: 37 Senate: 17, 19 Congress: 24 1 Location(s)
71 3007C	08-Riv-243 6.2/19.8 1H890 08 1700 0163	Near Mountain Center, from 0.2 mile north of Franklin Drive to 0.6 mile south of Poppet Flats Road. Repair and replace culverts and reconstruct embankment washouts.	\$100 (R/W) \$1,400 (C)	16-17	PA&ED PS&E RW Sup Con Sup Total	\$0 \$200 \$10 \$300 \$510	201.130 Assembly: 64, 80 Senate: 37 Congress: 45 6 Location(s)
Collision Reduction							
72 2435	01-Hum-299 R14.7/R15.7 0F690 01 1600 0045	Near Blue Lake, from 2.2 miles east of Simpson Road to 3.2 miles east of Simpson Road. Widen shoulders, and install rumble strips and guardrailings. PA&ED: 09/01/2018 R/W: 07/01/2019 RTL: 07/01/2019 BC: 12/01/2019	\$0 (R/W) \$1,386 (C)	19-20	PA&ED PS&E RW Sup Con Sup Total	\$498 \$697 \$9 \$642 \$1,846	201.010 Assembly: 1 Senate: 2 Congress: 1 13 Collisions Reduced

TAB 87 - REPLACEMENT ITEM

List of New 2016 SHOPP Capital Project Amendments

No. 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.
Collision Reduction (Cont.)						
73 2426	01-Hum-299 30.7/37.7 0F470 01 1600 0011	Near Willow Creek, from 0.1 mile east of Cedar Creek Road to 1.1 miles west of Route 96. Widen shoulders, place high-friction surface treatment (HFST), install rumble strips, guardrail, and cable net drapery. PA&ED: 07/01/2018 R/W: 07/01/2019 RTL: 08/01/2019 BC: 01/01/2020	\$19 (R/W) \$11,388 (C)	19-20	PA&ED \$1,640 PS&E \$1,668 RW Sup \$45 Con Sup \$2,518 Total \$5,871	201.010 Assembly: 1 Senate: 2 Congress: 1 118 Collisions Reduced
74 2434	01-Hum-299 38.9/39.5 0F680 01 1600 0044	Near Willow Creek, from 0.1 mile west of Willow Way to Panther Road. Widen shoulders, upgrade ADA curb ramps, and install a bus turn-out. PA&ED: 09/01/2019 R/W: 06/01/2020 RTL: 06/01/2020 BC: 12/01/2020	\$211 (R/W) \$2,594 (C)	19-20	PA&ED \$1,108 PS&E \$1,306 RW Sup \$238 Con Sup \$1,103 Total \$3,755	201.010 Assembly: 1 Senate: 2 Congress: 1 18 Collisions Reduced
75 4647	01-Lak-20 5.1/5.7 0G330 01 1600 0170	Near Upper Lake, from 0.4 mile west to 0.2 mile east of Witter Springs Road. Curve improvement, shoulder widening, and add left-turn pocket and rumble strips. PA&ED: 04/08/2019 R/W: 04/01/2020 RTL: 04/15/2020 BC: 12/03/2020	\$234 (R/W) \$7,441 (C)	19-20	PA&ED \$1,463 PS&E \$1,877 RW Sup \$144 Con Sup \$1,870 Total \$5,354	201.010 Assembly: 1 Senate: 2 Congress: 1 14 Collisions Reduced
76 4630	01-Men-1 6.5/9.5 0F710 01 1600 0047	Near Gualala, from 0.4 mile north of Havens Neck Drive to 0.5 mile south of Iverson Road. Widen shoulders and install edge-line rumble strips and guardrail. PA&ED: 01/11/2019 R/W: 02/15/2020 RTL: 03/01/2020 BC: 09/15/2020	\$433 (R/W) \$519 (C)	19-20	PA&ED \$940 PS&E \$978 RW Sup \$472 Con Sup \$728 Total \$3,118	201.010 Assembly: 1 Senate: 2 Congress: 1 6 Collisions Reduced

TAB 87 - REPLACEMENT ITEM

List of New 2016 SHOPP Capital Project Amendments

No. 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.
Collision Reduction (Cont.)						
77 3994	03-Nev-20 29.7/30.9 0H240 03 1500 0116	Near Nevada City, from 0.1 mile east of White Cloud Campground to 0.9 mile west of Washington Road. Curve improvement, shoulder widening and improve clear recovery zone. PA&ED: 02/01/2019 R/W: 05/01/2020 RTL: 05/01/2020 BC: 11/01/2020	\$613 (R/W) \$8,237 (C)	19-20	PA&ED \$1,096 PS&E \$976 RW Sup \$291 Con Sup \$1,286 Total \$3,649	201.010 Assembly: 1 Senate: 1 Congress: 1 46 Collisions Reduced
78 5961	03-Sac-12 0.4/0.9 2H640 03 1700 0167	Near Rio Vista, at Route 160. Intersection improvements. PA&ED: 08/01/2018 R/W: 09/01/2019 RTL: 09/15/2019 BC: 03/15/2020	\$6 (R/W) \$2,468 (C)	19-20	PA&ED \$310 PS&E \$560 RW Sup \$100 Con Sup \$1,030 Total \$2,000	201.010 Assembly: 11 Senate: 3 Congress: 3 26 Collisions Reduced
79 6866	06-Fre-168 11.7/R36.2 0V320 06 1600 0136	In Fresno County, between Shepherd Avenue and Lockwood Lane and Lodge Road Park and Ride and Tollhouse/Auberry Roads. Construct centerline rumble strip. PA&ED: 02/15/2018 R/W: 09/03/2018 RTL: 09/10/2018 BC: 01/10/2019	\$1 (R/W) \$742 (C)	18-19	PA&ED \$220 PS&E \$635 RW Sup \$1 Con Sup \$404 Total \$1,260	201.010 Assembly: 23 Senate: 8 Congress: 4, 22 26 Collisions Reduced
80 3006G	08-Riv-79 5.4/11.4 1G670 08 1600 0049	Near Temecula, from 3.1 miles north of Route 371 to 1.1 miles south of Pauba Road. Construct 8 foot shoulders and rumble strip. PA&ED: 11/19/2019 R/W: 10/19/2021 RTL: 11/20/2021 BC: 08/20/2022	\$1,705 (R/W) \$43,272 (C)	21-22	*PA&ED \$4,900 PS&E \$4,700 RW Sup \$751 Con Sup \$7,700 Total \$18,501	201.010 Assembly: 71 Senate: 28 Congress: 42 108 Collisions Reduced
Note: *PA&ED is the only authorized phase in FY 2017-18.						

TAB 87 - REPLACEMENT ITEM

List of New 2016 SHOPP Capital Project Amendments

No. 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.
Collision Reduction (Cont.)							
81 1202	11-SD-5 Var 42440 11 1600 0039	In San Diego County, at various locations. Groove pavement, place high friction surface treatment (HFST) and upgrade lighting. PA&ED: 05/10/2017 R/W: 06/01/2018 RTL: 06/25/2018 BC: 11/07/2018	\$0 (R/W) \$3,031 (C)	17-18	PA&ED PS&E RW Sup Con Sup Total	\$0 \$686 \$0 \$435 \$1,121	201.010 Assembly: 56 Senate: 51 Congress: 40 101 Collisions Reduced
82 1180	11-SD-52 13.3/14.8 42120 11 1500 0083	In the City of San Diego and Santee, from Mast Boulevard Undercrossing to Mission Gorge Road Undercrossing. Construct median barrier. PA&ED: 04/27/2017 R/W: 11/30/2017 RTL: 06/15/2018 BC: 10/31/2018	\$0 (R/W) \$2,310 (C)	17-18	PA&ED PS&E RW Sup Con Sup Total	\$0 \$742 \$0 \$524 \$1,266	201.010 Assembly: 77 Senate: 38 Congress: 50 10 Collisions Reduced
83 2527	12-Ora-1 24.9 0N850 12 1400 0116	In Huntington Beach, at 6th Street; also in Seal Beach at Seal Beach Boulevard (PM 32.7). Modify traffic signals and install additional lighting. PA&ED: 01/02/2018 R/W: 07/01/2019 RTL: 07/01/2019 BC: 12/02/2019	\$67 (R/W) \$835 (C)	19-20	PA&ED PS&E RW Sup Con Sup Total	\$150 \$412 \$221 \$386 \$1,169	201.010 Assembly: 72, 74 Senate: 34, 37 Congress: 48 47 Collisions Reduced
84 3510	12-Ora-55 10.7 0N630 12 1400 0073	In Tustin, on the 4th Street northbound off-ramp. Modify traffic signals and install additional lighting. PA&ED: 10/01/2017 R/W: 01/02/2019 RTL: 01/02/2019 BC: 07/01/2020	\$11 (R/W) \$646 (C)	18-19	PA&ED PS&E RW Sup Con Sup Total	\$100 \$427 \$0 \$318 \$845	201.010 Assembly: 68 Senate: 37 Congress: 45 11 Collisions Reduced

TAB 87 - REPLACEMENT ITEM

List of New 2016 SHOPP Capital Project Amendments

No. 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.
Collision Reduction (Cont.)							
85 3575	12-Ora-55 17.2 0P720 12 1600 0007	In the City of Orange, on the Lincoln Avenue southbound off-ramp; also in Anaheim, on Route 91, on the Tustin Avenue eastbound off-ramp (PM 8.2). Place open graded asphalt concrete (OGAC), add safety lighting, striping and markings, upgrade ADA curb ramps and guardrail. PA&ED: 12/29/2016 R/W: 04/01/2018 RTL: 05/30/2018 BC: 10/30/2018	\$63 (R/W) \$990 (C)	17-18	PA&ED PS&E RW Sup Con Sup Total	\$0 \$519 \$7 \$513 \$1,039	201.010 Assembly: 68 Senate: 37 Congress: 39, 46 23 Collisions Reduced
Roadway Preservation							
86 6796	06-Ker-Var Var 0U240 06 1500 0294	In Kern and Kings Counties, on Route 99, 198 and 204 at various locations. Upgrade existing pumps and control systems at 11 pumping plants. PA&ED: 07/13/2018 R/W: 11/08/2019 RTL: 11/20/2019 BC: 05/11/2020	\$122 (R/W) \$5,080 (C)	19-20	PA&ED PS&E RW Sup Con Sup Total	\$650 \$2,190 \$610 \$2,150 \$5,600	201.151 Assembly: 32, 34 Senate: 14, 16 Congress: 21, 23 11 Drainage Systems
87 6795	06-Tul-99 Var 0U230 06 1500 0297	In Tulare, Fresno and Madera Counties, on Route 99 at various locations. Upgrade existing pumps and control systems at 11 pumping plants. PA&ED: 07/13/2018 R/W: 11/08/2019 RTL: 11/20/2019 BC: 05/11/2020	\$65 (R/W) \$5,140 (C)	19-20	PA&ED PS&E RW Sup Con Sup Total	\$650 \$2,060 \$620 \$2,230 \$5,560	201.151 Assembly: 21, 26, 31 Senate: 8, 12, 14 Congress: 16, 21, 22 11 Drainage Systems
Mobility							
88 8920	03-Sac-5 Var 2H700 03 1700 0173	In Placer, Sacramento, and Yolo Counties, on routes 5, 80, 99, and 113. Replace obsolete Microwave Vehicle Detection System (MVDS) elements. PA&ED: 04/01/2018 R/W: 09/15/2018 RTL: 10/01/2018 BC: 05/05/2019	\$15 (R/W) \$1,403 (C)	18-19	PA&ED PS&E RW Sup Con Sup Total	\$148 \$249 \$22 \$507 \$926	201.315 Assembly: 4, 7, 9 Senate: 3, 5, 6 Congress: 3, 6, 7, 9 48 Field Elements

TAB 87 - REPLACEMENT ITEM

List of New 2016 SHOPP Capital Project Amendments

No. 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.
Mobility (Cont.)						
89 6717	03-Sac-80 Var 2H570 03 1700 0157	In various counties, on various routes. Repair or replace damaged inductive loop vehicle detection elements. PA&ED: 04/01/2018 R/W: 09/15/2018 RTL: 10/01/2018 BC: 05/05/2019	\$15 (R/W) \$922 (C)	18-19	PA&ED \$94 PS&E \$211 RW Sup \$22 Con Sup \$365 Total \$692	201.315 Assembly: 1, 3, 4, 5, 6, 7, 8, 9 Senate: 1, 3, 4, 5, 6 Congress: 1, 3, 4, 6, 7, 9 300 Field Elements
90 5245	07-LA-2 14.8/R22.6 34060 07 1700 0174	In Los Angeles and Ventura counties, on various routes and at various locations. Repair and rehabilitate ramp metering systems (RMS) and vehicle detection systems (VDS). PA&ED: 04/21/2017 R/W: 05/30/2018 RTL: 06/29/2018 BC: 12/28/2018	\$750 (R/W) \$19,154 (C)	17-18	PA&ED \$0 PS&E \$3,047 RW Sup \$200 Con Sup \$4,840 Total \$8,087	201.315 Assembly: 38, 39, 43, 44, 45, 46 Senate: 19, 21, 22, 25, 27, 28 Congress: 25, 26, 28, 29, 30 333 Field Elements
91 5247	07-LA-5 8.2/20.4 34040 07 1700 0172	In Los Angeles County, on various routes and at various locations. Repair and rehabilitate ramp metering systems (RMS) and vehicle detection systems (VDS). PA&ED: 04/21/2017 R/W: 05/30/2018 RTL: 06/29/2018 BC: 12/28/2018	\$173 (R/W) \$20,031 (C)	17-18	PA&ED \$0 PS&E \$2,962 RW Sup \$18 Con Sup \$4,704 Total \$7,684	201.315 Assembly: 51, 53, 58, 59, 64, 70 Senate: 24, 30, 32, 33, 35 Congress: 34, 38, 40, 43, 44, 47 356 Field Elements
92 5246	07-LA-10 S0.2/47.7 34050 07 1700 0173	In Los Angeles County, on various routes and at various locations. Repair and rehabilitate ramp metering systems (RMS) and vehicle detection systems (VDS). PA&ED: 04/21/2017 R/W: 05/30/2018 RTL: 06/29/2018 BC: 12/28/2018	\$54 (R/W) \$14,830 (C)	17-18	PA&ED \$0 PS&E \$2,295 RW Sup \$18 Con Sup \$3,645 Total \$5,958	201.315 Assembly: 43, 44, 45, 46, 50, 51 Senate: 18, 24, 26, 27 Congress: 26, 28, 29, 30, 33, 34 255 Field Elements

TAB 87 - REPLACEMENT ITEM**List of New 2016 SHOPP Capital Project Amendments**

No. 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.
Mobility (Cont.)						
93 3006W	08-Riv-Var Var 1H530 08 1700 0074	In Riverside and San Bernardino Counties, on various routes and at various locations. Repair and replace vehicle detection equipment impacting the operations of the District TMC. PA&ED: 02/15/2018 R/W: 09/14/2018 RTL: 10/15/2018 BC: 06/14/2019	\$10 (R/W) \$4,260 (C)	18-19	PA&ED \$346 PS&E \$912 RW Sup \$90 Con Sup \$1,274 Total \$2,622	201.315 Assembly: 33, 40, 41, 42, 47, 52, 55, 56, 60 Senate: 16, 20, 23, 25, 28, 29, 31 Congress: 8, 31, 35, 36, 39, 41, 42 188 Field Elements

**2016 SHOPP Amendment 16H-014
 Cost, Scope, Schedule and Technical Changes
 Includes Federal Emergency Relief Funds
 (\$ Thousands)**

No.	Dist	County	Route	Post Miles	Location/Description	EA	PPNO	EFIS	Prog Code	FY	RW	Con	PA&ED	PS&E	RW Sup	Con Sup	Performance Measure	Performance Value
1	01	Del Norte	101	8.2/8.7	Near Klamath, at Panther Creek Bridge No. 01-0025 and at Hunter Creek Bridge No. 01-0003. Seismic retrofit. (G13 Contingency Project)	0B090	1072	01 0002 0444	201.113	17-18 18-19	5,589	0	2,159	3,720	373	0	Bridge(s)	2.0
	01	Del Norte	101	8.2/8.7	Near Klamath, at Panther Creek Bridge No. 01-0025 and at Hunter Creek Bridge No. 01-0003. Seismic retrofit. (G13 Contingency Project)	0B090	1072	01 0002 0444	201.XXX	17-18 18-19	0	13,290 13,756	0	0	0	3,282	Bridge(s)	2.0
2	01	Del Norte	199	33.4	Near Idlewild, south of Collier Tunnel Bridge. Install required public water system in compliance with Federal and State statutes and regulatory requirements.	0C470	1094	01 1200 0287	201.235	17-18	7	1,754 2,409	864	638 812	9	479 932	Location(s)	1.0
3	01	Humboldt	101	102.9/105.2	Near Trinidad, between PMs 102.9 and 105.2. Install public water system in compliance with Federal and State statutes and regulatory requirements.	0C440	2365	01 1200 0284	201.235	17-18	20	2,423 4,544	412	1,204 1,817	39 15	793 1,035	Location(s)	2.0
4	01	Humboldt	101	77.0/77.5	In Eureka, 0.3 mile south to 0.2 mile north of Wabash Avenue. Improve intersections.	0C710	2368	01 1300 0031	201.010	17-18	440 278	2,474 2,607	395	704 1,029	464 348	544 725	Collisions Reduced	72.0
5	01	Humboldt	254	6.8/42.1	Near Miranda, from 2.3 miles south of Miranda Post Office to 0.9 mile south of Bear Creek Bridge. Upgrade drainage systems.	40950	2270	01 0000 0158	201.151	17-18 18-19	305	1,160 1,453	513	440 838	151	490 403	Drainage System(s)	8.0 7.0
6	01	Lake	20		Near Clear Lake Oaks, on Route 20, from 0.4 mile west to 0.4 mile east of Route 53; also on Route 53, from 0.3 mile south of Route 20 to Route 20. Install traffic signal or a roundabout.	0C810	3096	01 1300 0060	201.010	17-18	502 167	5,654 6,860	706	859	217	1,143 1,381	Collisions Reduced	40.0
7	01	Lake	29	28.5/31.6	Near Kelseyville, from north of Route 29/281 Junction to north of Route 29/175 Junction. Improve road condition.	29811	3099	01 1400 0043	201.010	17-18 18-19	3,000 9,777	34,000 38,578	4,000	2,500 4,638	700 1,920	2,000 7,137	Collisions Reduced	146.0 83.0
8	01	Lake	29	9.6/10.3	Near Middletown, from Putah Creek to 0.9 mile south of Hidden Valley Lake Lane to 0.3 mile north of Spruce Road. Install traffic signal or a roundabout.	0C750	3095	01 1300 0046	201.010	17-18	442 695	5,875 5,200	954	1,185	201	995 1,322	Collisions Reduced	23.0 26.0
9	01	Lake	175	R25.0/27.5	Near Middletown, from east of Putah Creek Bridge to Dry Creek Bridge. Widen shoulders.	0A040	3080	01 0002 0013	201.010	17-18	2,000 2,756	10,221	2,214	2,161	582 964	2,784	Collisions Reduced	22.0
10	01	Mendocino	1	48.0/62.1 Var	In and near Fort Bragg at Little River Bridge No. 10-0178, at Jack Peters Bridge No. 10-0150, at Russian Gulch Bridge No. 10-0154, and at Pudding Creek Bridge No. 10-0158. Upgrade and replace barrier rails and bridge replacement.	43480	4507	01 0000 0672	201.112	17-18 19-20	2,200 1,099	14,603 15,650	3,392 3,806	2,825	341	3,650	Linear Feet	1,463.0
11	01	Mendocino	128	0.0/17.9	Near Navarro, from Route 1 to Mill Creek Bridge; also near Philo, from Indian Creek Bridge to Con Creek Arch Culvert (PM 23.3/R26.8). Pavement rehabilitation.	41550	4598	01 1400 0107	201.121	18-19 17-18	6	17,419	807	1,093	21	1,887	Lane Miles	43.0

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12	01	Mendocino	Var		In Mendocino County, at various routes and at various locations. Mitigate environmental impacts.	0E240	4589	01 1400 0002	201.110	17-18	0	5,500	74	63	66	73	Bridge(s)	24.0 0.0
13	02	Lassen	36	6.1/14.3	Near Westwood, from 1.2 miles west of Goodrich Creek Bridge to 1.3 miles west of Willard Creek Road. Rehabilitate roadway.	4E460	3468	02 0002 0287	201.120	19-20	1,302	22,789	1,650	1,600	340	1,784 2,173	Lane Miles	20.9
14	02	Lassen	36	7.2/7.4	Near Westwood, at Goodrich Creek Bridge No. 07-0048. Replace bridge.	4F560	3512	02 1300 0006	201.110	19-20	45	3,611	1,500	1,280	60	1,269 1,419	Bridge(s)	1.0
15	02	Lassen	139	6.3/7.2	Near Susanville, from 1.0 to 0.1 mile south of Antelope Radio Street. Curve improvement.	0H630	3594	02 1500 0063	201.010	17-18	44 45	3,548	450	620	200	660	Collisions Reduced	20.0
16	02	Plumas	70	11.5/11.9	Near Belden, from 2.1 miles to 1.6 miles west of Chipps Creek Bridge. Curve improvement.	0H450	3578	02 1500 0017	201.010	17-18	36 168	1,964	690	406	19	357 600	Collisions Reduced	20.0
17	02	Shasta	5	0.0/67.0 1.0/R26.3	In Shasta County, from 0.1 mile north of Fourth Street Overcrossing to 0.3 mile north of Fawndale Overcrossing at various locations. Improvements to reduce maintenance worker exposure.	4G570	3551	02 1400 0026	201.235	19-20 17-18	13	2,146 2,590	200 300	360 500	86 100	390 470	Location(s)	24.0 22.0
18	02	Shasta	5	66.8 66.6/66.9	Near Dunsmuir, at from 0.3 mile south to 0.1 mile north of Crag View Drive Undercrossing Bridge No. 06-0095. Replace bridge.	4G410	3543	02 1400 0010	201.110	19-20	0	7,483	660	1,610	130	2,820	Bridge(s)	1.0
19	02	Shasta	299	7.6/18.3	In and near the town of Shasta, from west of Crystal Creek Road to Trinity Alley. Rehabilitate roadway pavement. (G13 Contingency Project)	3E740	3456	02 0002 0160	201.120 201.121	19-20 17-18	57 15	0 14,310	4,200 2,480	2,990 840	390 90	0 1,430	Lane Miles	21.4 6.6
20	02	Shasta	299	77.8/79.7	Near Burney, from west of Sonoma Street to west of Route 89. Rehabilitate roadway.	4E020	3449	02 0002 0196	201.120	17-18	78 238	6,900	500	670	443	1,140	Lane Miles	6.0
21	02	Siskiyou	5		In Siskiyou and Shasta counties on Routes 5 and 89 at various locations. Upgrade Transportation Management System (TMS) field elements.	4G630	3556	02 1400 0030	201.315	18-19	40 111	2,200 2,650	390	710	140	720	Field Elements	16.0
22	02	Siskiyou	96	23.2/56.0 23.4/54.5	In and near Happy Camp, from west 0.1 mile east of Swillup Creek Bridge to 3.6 2.1 miles east of Thompson Creek Bridge at various locations. Drainage system restoration.	4C150	3314	02 1300 0132	201.151	17-18	200	1,250 1,679	1,200	600	92	700	Drainage System(s)	31.0 28.0
23	02	Tehama	36	36.4/36.8	Near Red Bluff, from Nevis Road to 0.5 mile east of Nevis Road. Improve curve.	0H110	3590	02 1500 0053	201.010	17-18	259 344	2,150	579	574	450 195	604	Collisions Reduced	14.0
24	02	Tehama	36	40.3/42.1	In Red Bluff, from east of Baker Road to east of East Sand Slough Bridge. Pavement rehabilitation.	4G540	3558	02 1400 0024	201.121	19-20	57	6,600	460 700	490 650	240	1,020	Lane Miles	10.1
25	02	Trinity	36	26.8/27.1	Near Forest Glen, from 0.5 to 0.1 mile west of Route 3. Curve improvement.	4F860	3526	02 1300 0043	201.010	17-18	234 110	4,727 5,300	1,420	1,150	250	1,750	Collisions Reduced	18.0

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26	02	Trinity	299	41.1/41.3 10.9/11.2	Near Burnt Ranch, at from 0.4 mile east of Hennessey Road to 0.3 mile west of Burnt Ranch Road. Install rockfall drapery system.	0H410	3579	02 1500 0019	201.150	19-20	0	2,079	200	470	50	500	Location(s)	1.0
27	02	Trinity	299	23.1/23.3	Near Del Loma, east of Big French Creek Bridge. Construct rockfall drapery system.	0H680	3591	02 1500 0054	201.150	19-20	0	1,188	120	270	50	350	Location(s)	1.0
28	03	El Dorado	50	67.3	Near South Lake Tahoe, west of South Lake Tahoe at Echo Summit Sidehill Viaduct Bridge No. 25-0044. Rehabilitate or replace bridge.	3F530	3304	03 1300 0135	201.110	17-18	27 60	6,000 7,360	2,000	1,100	16	1,502	Bridge(s)	1.0
29	03	Nevada	80	19.0/19.4	In Truckee, at the Donner Pass Inspection Facility; also in Nevada County at Floriston, at the Floriston sand and salt houses (PM 27.4). Construct new sand/salt house and demolish existing.	3F920	4296	03 1300 0239	201.352	18-19 17-18	17	2,478	801	416	80	625	Location(s)	1.0
30	03	Placer	49	3.1/7.5	In Auburn, from 0.1 mile south of Routes 49/80 Separation to 0.1 mile north of Dry Creek Road. Rehabilitate pavement. (G13-Contingency-Project)	2F340	4781	03 0002 0616	201.120	17-18	555	0 29,000	2,400	1,300	1,250	0 4,300	Lane Miles	22.0
31	03	Placer	65	R5.0/R6.0 R5.0/R6.6	In and near Roseville and Rocklin, from Route 80 to Galleria Boulevard/Stanford Ranch Road- 0.5 mile south of Pleasant Grove Overcrossing. Construct northbound auxiliary lane.	0H260	5108	03 1500 0118	201.010	16-17	150	15,050	1,100	2,500	300	2,600	Collisions Reduced	184.0
32	03	Sacramento	5	14.9/24.9 13.0/24.9	In and near the City of Sacramento, from Consumnes River Boulevard Beach Lake Bridge at Morrison Creek to the American River Bridge. Roadway rehabilitation. (G13-Contingency-Project)	0H100	5854	03 1500 0076	201.120	18-19 17-18	4,000 400	0 220,000	6,000	14,000	2,000	0 25,000	Lane Miles	53.0 67.0
33	03	Sacramento	5	33.1	Near the City of Sacramento, at 0.3 mile north of Airport Boulevard. Rehabilitate weigh-in-motion station. (G13-Contingency-Project)	4F400	5852	03 1400 0159	201.321	18-19 17-18	6	0 2,100	210	240	25	0 360	Location(s)	1.0
34	03	Sacramento	99	4.9	On Route 99, at Lagoon Creek Bridge No. 24-0045L; also on Route 160 (PM 44.5) at American River Bridge No. 24-0001L. Scour mitigation and bridge replacement.	3F540	6916	03 1300 0136	201.111	17-18 18-19	450 500	4,747 20,270	872	586 2,000	22 50	1,059 3,100	Bridge(s)	2.0

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35	03	Sacramento	99	7.4/8.4 7.1/9.4	In and near Elk Grove, at from 0.3 mile south of Dillard Road Overcrossing Bridge No. 24-0163 to south of Grant Line Road (replace Consumnes River Bridge No. 24-0021R/L 24-0020R/L, and Consumnes River Overflow Bridge No. 24-0020R/L 24-0021R/L; upgrade bridge rails at Dillard Road Overcrossing No. 24-0163; Construct new McConnell Overhead No. 24-0048L). Bridge seismic retrofit, bridge scour retrofit, bridge rail replacement, and bridge replacement.	0F280	6912	03 1200 0069	201.112	17-18 19-20	2,600 6,000	42,000 113,000	1,700	3,500	600	3,500 14,200	Linear Feet	3,178.0
36	03	Sacramento	160	20.9	In the City of Sacramento, at Sacramento River Bridge No. 24-0053 and North Sacramento Undercrossing No. 24-0111L; also in San Joaquin County, at Mokelumne River Bridge No. 29-0197R/L. Seismic retrofit. (G13 Contingency Project)	3F090	5832	03 1200 0056	201.113	17-18	300	0 27,000	4,381	3,000	200	0 3,800	Bridge(s)	4.0
37	03	Sutter	20	5.0/11.3	Near Yuba City, from east end of Sutter Bypass to Lytle Road. Rehabilitate roadway, widen shoulders, and replace Wadsworth Canal Bridge No. 18-0003. (G13 Contingency Project)	1A920	8132	03 0002 0608	201.120	17-18	1,248	0 21,614	2,000	1,809	1,323	0 2,771	Lane Miles	11.4
38	03	Yolo	80	2.4/R11.3	In Yolo, Placer and Sacramento Counties, on Routes 65, 80 and 99 at various locations. Install ramp meters. (G13 Contingency Project)	1F230	6701	03 0000 1109	201.315	18-19 17-18	0	0 8,000	734	1,300	220	0 2,200	Field Elements	14.0
39	03	Yolo	275	13.1	In West Sacramento, at the Tower Bridge (Sacramento River Bridge No. 22-0021). Replace fender system.	3F550	9427	03 1300 0137	201.110	17-18	41	7,360 10,710	700	950	135	1,635 2,380	Bridge(s)	1.0
40	03	Yuba	20	18.2/20.2	Near Smartsville, from east of the Yuba River Bridge to 0.1 mile east of Smartsville Road. Realign and widen roadway.	3F510	9590	03 1300 0020	201.015	17-18 18-19	7,490 2,750	28,932 48,500	4,700	3,500	1,000	4,960 6,871	Collisions Reduced	20.0
41	03	Yuba	70	15.1/16.5 14.9/15.6	In and near Marysville, from Marysville-Underpass to north of Laurellen Road 14th Street to Cemetery Road. Roadway rehabilitation.	0H160	9820	03 1500 0082	201.120	18-19 20-21	200 5,000	17,100 85,000	1,000 3,000	2,000 3,500	400 2,500	2,030 5,500	Lane Miles	3.0 5.0
42	03	Yuba	70	15.5/16.4 15.5/16.5	Near Marysville, from 0.1 mile north of Binney Junction Underpass to 0.3 mile north of Laurellen Road, at Simmerly Slough Bridge No. 16-0019. Replace bridge.	1E060	9812	03 1200 0068	201.111	17-18 18-19	1,200 3,800	18,039 68,500	1,600	1,500 3,050	550 750	4,184 5,200	Bridge(s)	1.0
43	04	Alameda	13		In various cities, on Routes 13, 61, and 123 at various locations; also in Contra Costa County, on Route 123, at Eureka Avenue. Crosswalk safety enhancements.	0J470	0488Q	04 1400 0003	201.015	18-19	260	3,320	788	788 1,393	72 200	680	Collisions Reduced	24.0 33.0
44	04	Alameda	84	13.0/13.6	In Fremont, at Alameda Creek Bridge No. 33-36. Replace bridge. (G13 Contingency Project)	16030	0084B	04 0000 0429	201.110	17-18 18-19	275	0	6,500	6,000	299	0	Bridge(s)	1.0

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	04	Alameda	84	13.0/13.6	In Fremont, at Alameda Creek Bridge No. 33-36. Replace bridge. (G13 Contingency Project)	16030	0084B	04 0000 0429	201.XXX	17-18 18-19	0	24,000	0	0	0	5,000	Bridge(s)	1.0
45	04	Alameda	92	R4.0/R5.5	In Hayward, from west of Clawiter Road to west of Hesperian Boulevard. Install safety lighting and upgrade lighting.	2J440	1482K	04 1400 0515	201.010	17-18	10	2,556 3,300	574	634 806	77	634 748	Collisions Reduced	27.0
46	04	Alameda	238	R14.5/16.7	In and near San Lorenzo, from east of Mission Boulevard to 0.4 mile west of Hesperian Boulevard. Install and upgrade safety lighting.	2J670	1482N	04 1400 0544	201.010	17-18	40 100	3,268 4,840	780	850 1,150	70 150	900 1,050	Collisions Reduced	63.0
47	04	Alameda	580	R30.8/R41.5	In San Leandro and Oakland, from Routes 580/238 Separation to Fruitvale Avenue Undercrossing. Rehabilitate pavement. (G13-Contingency Project)	27010	0135A	04 1200 0131	201.121	17-18	57	0 36,000	1,400	2,385	120	0 5,400	Lane Miles	85.6
48	04	Alameda	880	10.7	In Fremont, at Crandall Creek Bridge No. 33-0273. Seismic retrofit. (G13-Contingency-Project)	4G880	0086Q	04 1300 0058	201.113	17-18	20	0 5,400	846	1,874	90	0 1,700	Bridge(s)	1.0
49	04	Alameda	880	4.6/7.4	In Fremont, from Auto Mall Parkway to Mowry Avenue; also, in Newark on Route 84 from Thornton Avenue to Newark Boulevard (PM R3.8 to R4.9). Widen ramps and install ramp metering.	15148	0012B	04 0000 0421	201.315	18-19 17-18	0	13,281	0	0	0	2,741	Field Elements	9.0
50	04	Marin	1	0.0/0.8	In Almonte, near Route 101 off-ramp to Route 1; also from Coyote Creek to Flamingo Road. Upgrade pedestrian facilities.	2G690	0434H	04 0002 1211	201.378	17-18 18-19	700 842	1,976	510	500 1,000	300	590 850	Structure(s)	28.0
51	04	Marin	1	33.4	Near Point Reyes Station, at Millerton Gulch Bridge No. 27-0114. Repair damaged embankment and construct retaining wall.	0J570	0480C	04 1400 0014	201.119	17-18 18-19	450	4,020	1,620	1,080	180	830	Bridge(s)	1.0
52	04	Marin	101	10.6/10.9	In San Rafael, from Route 101 northbound off-ramp to 2nd Street at San Rafael Harbor Bridge No. 27-0033. Replace bridge.	4G820	0350H	04 1300 0049	201.110	17-18	570	7,264 8,546	900	600 1,900	300	900 2,571	Bridge(s)	1.0
53	04	Napa	128	19.7/20.7	Near Napa, at Capell Creek Bridge No. 21-0078. Rehabilitate bridge.	4G840	0830B	04 1300 0051	201.110	17-18	239	12,710	1,560	1,560	216	1,940 2,600	Bridge(s)	1.0
54	04	Napa	128	R7.4	Near Rutherford, at Conn Creek Bridge No. 21-0021. Replace bridge.	1G430	0587H	04 1200 0126	201.111	17-18	3,800	7,165	1,188	2,200	950	1,000 2,600	Bridge(s)	1.0
55	04	San Francisco	1	6.0	In the City of San Francisco, at Presidio National Park. Water quality improvements.	1A905	1067C	04 1400 0340	201.335	17-18 19-20	1,050	740 785	1,020	480 315	50	490 336	Acres Treated/Pollutant	4.0 9.6
56	04	San Francisco	1	R0.0/R6.9	In San Francisco, from Route 280 to Ruckman Avenue Undercrossing. Rehabilitate roadway. (G13-Contingency Project)	4C130	0585E	04 0000 1180	201.121	17-18	180	0 17,143	800	1,319	35	0 1,319	Lane Miles	41.4
57	04	San Francisco	101	2.0	Near San Francisco, at Alemany Circle Undercrossing No. 34-0033. Rehabilitate bridge. (G13 Contingency Project)	3G620	0587D	04 1200 0141	201.110	17-18 19-20	20	0	4,000	3,000	20	0	Bridge(s)	1.0

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	04	San Francisco	101	2.0	Near San Francisco, at Alemany Circle Undercrossing No. 34-0033. Rehabilitate bridge. (G13 Contingency Project)	3G620	0587D	04 1200 0141	201.XXX	17-18 19-20	0	20,340 32,400	0	0	0	3,250	Bridge(s)	1.0
58	04	San Francisco	101	4.1/R5.1	In the City and County of San Francisco, at the Central Viaduct No. 34-0077 from south of 17th Street to South Van Ness Avenue ; also, on Route 80 at the Bayshore Viaduct No. 34-0088 from Route 101 to 4th Street (PM 3.9/4.8). Paint superstructure steel members. (G13 Contingency Project).	2J800	1483S	04 1500 0034	201.110	18-19 19-20	62	0	2,500	9,200	300	0	Bridge(s)	2.0
	04	San Francisco	101	4.1/R5.1	In the City and County of San Francisco, at the Central Viaduct No. 34-0077 from south of 17th Street to S. Van Ness Avenue ; also, on Route 80 at the Bayshore Viaduct No. 34-0088 from Route 101 to 4th Street (PM 3.9/4.8). Paint superstructure steel members. (G13 Contingency Project).	2J800	1483S	04 1500 0034	201.XXX	18-19 19-20	0	100,793	0	0	0	13,000	Bridge(s)	2.0
59	04	San Mateo	82	13.7	Near Burlingame and Hillsborough city limits, at the intersection of Route 82 and Floribunda Avenue. Install left turn signal.	1G020	0686	04 0000 2011	201.010	17-18 19-20	1,765	2,253 2,610	2,900	1,300	450	700	Collisions Reduced	120.0
60	04	Santa Clara	85	18.0/24.1	In Cupertino, Sunnyvale and Mountain View, from Stevens Creek Boulevard to Route 101; also in various cities, on Route 80 (PM 2.5/8.0), at various locations. Install and/or upgrade existing curb ramps and pedestrian facilities to ADA standards.	2G730	0434G	04 0002 1202	201.361	18-19	50	1,853	442	663	102	442 730	Curb Ramps	73.0 38.0
61	04	Santa Clara	152	0.0/6.2	Near Gilroy, at various locations from Pole Line Road to Burchell Road. Planting and environmental mitigation.	2A251	0483Q	04 1300 0402	201.010	17-18	1,000	1,100	0	750	300	495 650	Collisions Reduced	0.0
62	04	Sonoma	1	24.3/24.4	Near Jenner, at 1.5 miles south of Myers Grade Road. Repair roadway slip-outs.	2J540	1485P	04 1400 0527	201.131	17-18	150	3,880 4,180	1,200	880 1,500	100	620 1,180	Location(s)	1.0
63	04	Sonoma	37	0.3	Near Novato, at the Petaluma River Bridge No. 27-0013. Restore eastern bridge approach settlement.	2J500	1487C	04 1400 0523	201.131	17-18	10	1,505 1,805	250	250 700	30	320 620	Location(s)	1.0
64	04	Sonoma	101	29.3/R54.3	In and near Windsor, Healdsburg, and Cloverdale, from Old Redwood Highway to 2 miles south of Mendocino County line. Roadway rehabilitation.	0J642	1482F	04 1400 0476	201.122	18-19	40 890	63,154 68,200	5,149	6,799	60 170	6,936 7,600	Lane Miles	43.2
65	05	Monterey	4	21.6/22.1	Near Lucia, from north of Limekiln Creek Bridge to south of Lucia. Slide repair.	0T850	2314	05 0002 0308	201.131	17-18	\$ 551	\$ 13,947	\$ 4,500	\$ 1,654	\$ 874	\$ 2,756	Location(s)	1.0
66	05	Monterey	68	1.6/L4.0	Near Pacific Grove, from south of Piedmont Avenue to Scenic Drive. Widen shoulders, install rumble strips, and upgrade guardrail.	1C250	2378	05 1200 0107	201.015	17-18	0 359	3,138 3,600	715	1,093	17	786	Collisions Reduced	7.0

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67	05	Monterey	68	1.6/L4.1	Near Pacific Grove, from Piedmont Avenue to Scenic Drive. Pavement overlay and install centerline rumble strips.	1G450	2604	05 1500 0031	201.010	17-18	14	2,525 2,900	276	491	34	361	Collisions Reduced	276.0
68	05	Monterey	101	87.3/R91.5	In Salinas, from East Market Street to south of Russell/Espinosa Road. Rehabilitate pavement. (G13 Contingency Project)	1C890	2474	05 1300 0009	201.122	17-18	95	0 43,740	780	2,060	180	0 5,324	Lane Miles	17.2
69	05	Monterey	101	R36.9/43.2	In and near King City, from south of Wild Horse Road to north of Jolon Road. Rehabilitate pavement. (G13 Contingency Project)	1F750	2548	05 1400 0050	201.122	17-18	15	0 52,260	0	2,382	70	0 8,177	Lane Miles	17.2
70	05	Monterey	101	R41.4/R41.8	In and near King City, at the Salinas River Bridge No 44- 32. Bridge seismic retrofit and bridge rail replacement. (G13 Contingency Project)	1C960	2454	05 1300 0019	201.113	17-18	1,007	0 29,850	2,203	4,875	80	0 6,840	Bridge(s)	2.0
71	05	Santa Barbara	101	2.6/11.9 2.6/9.2	In the cities of Carpinteria and Santa Barbara, from Casitas Pass Road to north of Cabrillo Boulevard. In Carpinteria, from Casitas Pass Overcrossing to 0.2 miles north of Sheffield Avenue Undercrossing. Rehabilitate roadway. (G13 Contingency Project)	1C820	2426	05 1200 0236	201.120	19-20	4,232 5,560	0	9,200	13,800 9,530	835 940	0	Lane Miles	37.2 26.4
	05	Santa Barbara	101	2.6/11.9 2.6/9.2	In the cities of Carpinteria and Santa Barbara, from Casitas Pass Road to north of Cabrillo Boulevard. In Carpinteria, from Casitas Pass Overcrossing to 0.2 miles north of Sheffield Avenue Undercrossing. Rehabilitate roadway. (G13 Contingency Project)	1C820	2426	05 1200 0236	201.XXX	19-20	0	109,200 119,100	0	0	0	37,900 30,800	Lane Miles	37.2 26.4
72	05	Santa Barbara	217	1.0 0.8/1.4	Near Goleta, from 0.2 mile south to 0.4 mile north of at the San Jose Creek Bridge No. 51-0217. Replace bridge. (G13 Contingency Project)	1C360	2386	05 1200 0134	201.110	19-20 21-22	64 158	0	2,195 3,887	3,402 3,459	59 156	0	Bridge(s)	1.0
	05	Santa Barbara	217	1.0 0.8/1.4	Near Goleta, from 0.2 mile south to 0.4 mile north of at the San Jose Creek Bridge No. 51-0217. Replace bridge. (G13 Contingency Project)	1C360	2386	05 1200 0134	201.XXX	19-20 21-22	0	46,887 18,600	0	0	0	3,640 4,550	Bridge(s)	1.0
73	05	Santa Cruz	17	6.0/12.6	In and near Scotts Valley, from north of Santa's Village Road to the Santa Clara County line. Pavement rehabilitation.	1F760	2538	05 1400 0051	201.121	48-49 17-18	7	15,381	0	1,932	64	1,660	Lane Miles	26.0
74	05	Santa Cruz	129	3.0/3.5	Near Watsonville, realign Carlton Road. Construct a new intersection and a left-turn channelization.	1F350	2506	05 1300 0103	201.010	17-18	135 457	2,700	587	1,132	401	757	Collisions Reduced	31.0
75	05	Santa Cruz	Var		In Santa Cruz County, on Routes 1, 9, 17, 129, and 152 at various locations. Install Accessible Pedestrian Signals (APS).	1G160	2590	05 1400 0118	201.361	18-19	11	4,337 1,700	272	883	20	486	Curb Ramps	176.0

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76	06	Fresno	5	4.3/4.4 0.0/1.7	Near Coalinga and Kettleman City, at the Coalinga-Avenal Safety Roadside Rest Area from Kings County line to Quist Undercrossing; also in Kings County, from 0.2 mile south of Avenal Cutoff Road to Fresno County line (PM 26.4/26.7). Repair aging water and wastewater systems.	0T230	6736	06 1500 0040	201.235	18-19	102	2,703	122	783	4	841	Location(s)	2.0
77	06	Fresno	5	21.0/31.0	Near Mendota, from Tuolumne Avenue Overcrossing to north of Route 33. Pavement rehabilitation.	0U080	6753	06 1500 0209	201.121	17-18	20	48,899 21,000	147	600	11	982 1,012	Lane Miles	40.0
78	06	Fresno	99	0.0/14.9	Near Fresno, from the Tulare line to American Avenue. Pave gore and miscellaneous areas, construct maintenance vehicle pull outs and repair irrigation systems.	0T360	6738	06 1500 0066	201.235	18-19 17-18	10	3,189	192	720	2	540	Location(s)	45.0
79	06	Fresno	269	10.7/12.3	Near Huron, from 1.1 miles north of Palmer Avenue to 0.4 miles south of Route 198. Construct new bridge and raise profile grade. (Additional funding from Fresno sales tax Measure C - not shown)	39460	2184	06 0002 0595	201.150	17-18	0	4 18,500	2,200	2,500	300	4,000	Location(s)	1.0
80	06	Kern	43	0.1/9.3	Near Bakersfield, from Route 119 to south of Noriega Road; also on Route 119 from Enos Lane to Route 5 (PM 18.1/19.8). Pavement rehabilitation. (G13 Contingency Project)	0U100	6755	06 1500 0211	201.121	18-19 19-20	23	0	450	435	81	0	Lane Miles	22.2
	06	Kern	43	0.1/9.3	Near Bakersfield, from Route 119 to south of Noriega Road; also on Route 119 from Enos Lane to Route 5 (PM 18.1/19.8). Pavement rehabilitation. (G13 Contingency Project)	0U100	6755	06 1500 0211	201.XXX	18-19 19-20	0	12,700	0	0	0	650	Lane Miles	22.2
81	06	Kern	58	R94.2	In Tehachapi, at the Summit Overhead Bridge No. 50-343L/R. Upgrade bridge rail.	0Q180	6673	06 1300 0145	201.112	17-18	2 25	1,425	0	711	25	680	Linear Feet	1,135.0
82	06	Kern	99	24.1/28.4 23.6/R28.4	In and near Bakersfield, from Palm Street to Beardsley Canal. In Bakersfield, from Brundage Lane Overcrossing to Beardsley Canal Bridge. Rehabilitate roadway. (G13 Contingency Project)	0Q280	6661	06 1300 0051	201.120	17-18	70	0 86,000	3,000	4,000	20	0 9,300	Lane Miles	34.4
83	06	Kern	223	21.0/21.3	In and Near Arvin, at Derby Street. Install traffic signals.	0S510	6709	06 1400 0162	201.010	17-18 18-19	74	1,246	348	775	345	530	Collisions Reduced	6.0
84	06	Kings	5	0.0/9.0	Near Lost Hills, from Kern/Kings County line to south of Utica Avenue. Roadway rehabilitation.	0S490	6729	06 1500 0050	201.122	18-19 17-18	4 35	25,000	650	1,300	20 140	1,740 2,100	Lane Miles	36.0
85	07	Los Angeles	4	4.0	In Long Beach, at Alamitos Bay Bridge No. 53-0064. Seismic retrofit. (G13 Contingency Project)	27540	4165	07 0000 0520	201.113	17-18	2,938	14,590	3,438	1,554	0	2,772	Bridge(s)	4.0

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86	07	Los Angeles	1	10.7	In the City of Los Angeles, at North Fries Avenue. Install new traffic signal and surveillance system, safety lighting, pedestrian crosswalks and upgrade ADA curb ramps.	33170	5085	07 1600 0234	201.010	17-18	185	515	0	382 750	478 215	270 665	Collisions Reduced	13.0
87	07	Los Angeles	1	37.7/62.8	In the cities of Los Angeles and Malibu, from south of Tenescal Canyon Road to Ventura County line; also in Ventura County, from Los Angeles County line to Tonga Street (PM 0.0/0.9). Rehabilitate culverts.	31350	4846	07 1500 0090	201.151	18-19	182	4,384	648 1,950	608 2,000	70	685 1,535	Drainage System(s)	20.0
88	07	Los Angeles	1	38.3/38.7	In the City of Los Angeles (Pacific Palisades), from north of Temescal Canyon Road to Bay Club Drive. Construct shoulders and upgrade guardrail.	27510	4159	07 0000 0519	201.015	17-18	2,575	6,100	744	1,546 2,352	485	1,095	Collisions Reduced	11.0
89	07	Los Angeles	1	56.5/56.9	In Malibu, from Guernsey Avenue to Trancas Canyon Road/Broad Beach Road. Replace bridge.	29140	4498	07 1200 0094	201.110	47-48 18-19	2,021	5,488	2,342	2,123	740	1,251	Bridge(s)	1.0
90	07	Los Angeles	1	8.3/9.9	In Los Angeles and Ventura Counties, on various routes, at various locations. Stabilize soil and erosion control.	31770	4913	07 1500 0261	201.335	19-20	85	1,210 1,545	400	250 1,310	6 70	350 772	Acres Treated/Pollutant	0.9
91	07	Los Angeles	1	9.9	In the City of Los Angeles, at Wilmington Overhead Bridge No. 53-0352. Paint and repair bridge deck.	30560	4729	07 1400 0102	201.119	19-20	245	3,883	400 305	832 1,237	400 203	826	Bridge(s)	1.0
92	07	Los Angeles	5	1.7	In Santa Fe Springs at 14044 Freeway Drive adjacent to I-5 between Valley View Ave and Alondra Boulevard. Construct Southern Region Equipment Repair Shop to serve District 7 and 12.	32570	5031	07 1600 0089	201.351	17-18	0 50	23,400	230 180	4,600	230	2,940 5,751	Structure(s) Location(s)	1.0
93	07	Los Angeles	5	11.0/13.9	In the Cities of Los Angeles, Hollywood, Long Beach and Signal Hill from Simons Underpass to Eastern Avenue; on Routes 101, 405 and 710 at various locations. Replace 9 pump plants. (G13 Contingency Project)	31750	4910	07 1500 0246	201.151	18-19	0 10	0	450 360	650 1,038	30	0	Drainage System(s)	9.0
	07	Los Angeles	5	11.0/13.9	In the Cities of Los Angeles, Hollywood, Long Beach and Signal Hill from Simons Underpass to Eastern Avenue; on Routes 101, 405 and 710 at various locations. Replace 9 pump plants. (G13 Contingency Project)	31750	4910	07 1500 0246	201.XXX	18-19	0	3,425 3,605	0	0	0	900	Drainage System(s)	9.0
94	07	Los Angeles	5	38.8/40.5	In the City of Los Angeles from Filmore Street to Rinaldi Street, also on Route 118 from Route 405 to west of San Fernando Road. Enhance highway worker safety by paving miscellaneous areas, install access gates and maintenance vehicle pullout areas.	29510	4586	07 1300 0016	201.235	17-18	1	2,053	250	883 1,334	5	800	Location(s)	33.0 129.0

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95	07	Los Angeles	5	39.2/R43.8	In San Fernando, from Route 118 to Route 210. Rehabilitate roadway.	30970	4805	07 1400 0300	201.122	19-20	120	41,600	350 1,013	5,000 5,710	150	6,000 7,421	Lane Miles	46.5
96	07	Los Angeles	5	R75.0/R81.8	Near Gorman, from north of Vista Del Lago Road to Route 138, at various locations. Construct storm water mitigation devices.	31260	4836	07 1500 0067	201.335	17-18	68 63	7,340 8,730	1,498	2,000 2,100	50 60	4,400 1,500	Acres Treated/Pollutant	55.4 45.1
97	07	Los Angeles	10	16.6/30.1	In the Cities of Los Angeles, Alhambra, El Monte, Monterey Park and Rosemead, from Central Avenue to Cogswell Road; also on Route 405 from Cherry Avenue to South Alameda Street (PM 4.8/8.5). Construct storm water treatment Best Management Practices.	26080	3923	07 1200 0104	201.335	19-20	480	24,000	1,600 3,000	2560 3,305	320 578	3840 5,500	Acres Treated/Pollutant	33.0
98	07	Los Angeles	10	18.3/21.1	In the City of Los Angeles, from Route 5 to west of Route 710. Roadside safety improvements.	30430	4716	07 1400 0058	201.235	18-19	0 30	2,553	139	400 1,100	6 34	400 1,060	Location(s)	106.0
99	07	Los Angeles	10	2.1/18.4	In the Cities of Santa Monica and Los Angeles, from Route 1 to Route 5/101 interchange; also on Route 1 from McClure Tunnel to Lincoln Boulevard. Rehabilitate pavement. (G43-Contingency Project)	30150	4700	07 1400 0020	201.121	17-18	0 168	0 33,000	74	7,462	126	0 4,361	Lane Miles	160.0
100	07	Los Angeles	10	28.3	In El Monte, at Rio Hondo Busway Bridge No. 53-2637. Replace bridge deck.	31680	4902	07 1500 0220	201.110	19-20	0 15	2,553	150 550	515 1,346	15 27	765 1,627	Bridge(s)	1.0
101	07	Los Angeles	14	R30.6	Near Santa Clarita, on the Sierra Highway southbound on-ramp; also in Palmdale on the Palmdale Boulevard northbound off-ramp (PM R59.6). Apply High Friction Surface Treatment (HFST) on ramps.	31700	4958	07 1500 0234	201.010	17-18	0 20	695	40	165 432	0 10	145 251	Collisions Reduced	37.0
102	07	Los Angeles	47	0.8	In San Pedro, at the Park and Ride lot, near the eastbound Harbor Boulevard off-ramp. Construct solder pile wall to stabilize the existing eroding slope and repair drainage system.	32610	5036	07 1600 0112	201.131	17-18	10	1,200 1,600	79	459 552	10 20	390 707	Location(s)	1.0
103	07	Los Angeles	60	0.0/R30.5	In various cities, from Route 5 to San Bernardino County line; also on Route 710, from Ocean Boulevard to Valley Boulevard (PM 5.6/T27.4). Replace existing signs with retro-reflective sheeting.	31730	4906	07 1500 0237	201.170	19-20	15	2,665	250 398	580 1,081	5	485 1,156	Lighting Fixtures	96.0
104	07	Los Angeles	60	R3.2/11.8	In and near Monterey Park, Montebello, Rosemead, and South El Monte, from Route 710 to Route 605. Rehabilitate pavement. (G43-Contingency Project)	30110	4699	07 1400 0009	201.122	17-18	165	0 75,000	1,173	7,754 8,889	20 481	0 8,880	Lane Miles	80.0

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105	07	Los Angeles	91	R10.2/R10.4	In Compton, at Compton Creek Bridge Overhead and Off-Ramp (No. 53-2235 and 53-2237S) and Artesia-Santa Fe Undercrossing No. 53-2238K; also in Long Beach on Routes 710 and 110, at Harbor Scenic Drive Overhead No. 53-2934 (PM 6.0) and Gaffy Street Bridge No. 53-0397Y (PM R0.8). Bridge seismic retrofit and bridge rail upgrade. (G13 Contingency Project)	30160	4704	07 1400 0024	201.113	19-20	0	0	700 2,260	2,000	85	0	Bridge(s)	5.0
	07	Los Angeles	91	R10.2/R10.4	In Compton, at Compton Creek Bridge Overhead and Off-Ramp (No. 53-2235 and 53-2237S) and Artesia-Santa Fe Undercrossing No. 53-2238K; also in Long Beach on Routes 710 and 110, at Harbor Scenic Drive Overhead No. 53-2934 (PM 6.0) and Gaffy Street Bridge No. 53-0397Y (PM R0.8). Bridge seismic retrofit and bridge rail upgrade. (G13 Contingency Project)	30160	4704	07 1400 0024	201.113	19-20	0	10,712	0	0	0	2,000	Bridge(s)	5.0
106	07	Los Angeles	101	20.0	Near Encino, at Encino Pedestrian Overcrossing. Replace pedestrian Overcrossing.	31790	4915	07 1500 0277	201.110	18-19	110	6,685	470 1,033	1,850 3,205	133 213	1,000 1,361	Bridge(s)	1.0
107	07	Los Angeles	105	R14.1/R17.2	In and near Downey, from Garfield Avenue to east of Woodruff Avenue. Roadside safety improvements.	31640	4893	07 1500 0209	201.235	19-20	0 30	1,301	125	250 900	25 30	250 705	Location(s)	81.0
108	07	Los Angeles	105	R7.8/R10.3	In Willowbrook and Lynwood, from Main Street to Mona Boulevard. Storm water mitigation including planting of vegetation and the installation of irrigation systems. (G13 Contingency Project)	31740	4908	07 1500 0241	201.335	18-19	0 30	0	150	475 890	50	0	Acres Treated/Pollutant	8.0
	07	Los Angeles	105	R7.8/R10.3	In Willowbrook and Lynwood, from Main Street to Mona Boulevard. Storm water mitigation including planting of vegetation and the installation of irrigation systems. (G13 Contingency Project)	31740	4908	07 1500 0241	201.XXX	18-19	0	2,546	0	0	0	500 952	Acres Treated/Pollutant	8.0
109	07	Los Angeles	107	0.0/4.8	In Torrance, from Route 1 to Redondo Beach Boulevard. Construct curb ramps and reconstruct driveways/sidewalks to meet ADA standards. (G13 Contingency Project)	30700	4749	07 1400 0198	201.361	18-19	0 1,055	0	484 961	476 2,553	60 1,223	0	Curb Ramps	107.0
	07	Los Angeles	107	0.0/4.8	In Torrance, from Route 1 to Redondo Beach Boulevard. Construct curb ramps and reconstruct driveways/sidewalks to meet ADA standards. (G13 Contingency Project)	30700	4749	07 1400 0198	201.XXX	18-19	0	4,546	0	0	0	483 2,508	Curb Ramps	107.0
110	07	Los Angeles	110	3.8/6.5	In the Cities of Los Angeles and Carson, from L Street to 223rd Street. Construct storm water treatment Best Management Practices.	27610	4174	07 0000 0525	201.335	18-19	65	9,900	940	1250 1,568	300	1,900	Acres Treated/Pollutant	29.6

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111	07	Los Angeles	118	R9.0/R10.1	In Mission Hills, from Woodley Avenue to Route 405. Pave areas beyond gore, install access gates, construct maintenance vehicle and shoulder pullouts, upgrade and relocate irrigation systems.	31070	4808	07 1500 0004	201.235	18-19	0 20	2,654	118	429 1,058	5 20	548 1,027	Location(s)	30.0
112	07	Los Angeles	134	0.0/R13.3	In the Cities of Los Angeles, Burbank, Glendale and Pasadena, from Route 170 to Route 210. Rehabilitate pavement, upgrade guardrail and ADA curb ramps to current standards.	31170	4817	07 1500 0013	201.121	18-19	376	34,034	350 973	3,500 3,800	250 254	3,500 5,735	Lane Miles	112.0
113	07	Los Angeles	134	R13.1	In Pasadena, at Orange Grove Boulevard-E134/134 Overcrossing No. 53-2269S; also on Route 710, at Union Street Overcrossing No. 53-2537 (PM R32.5). Bridge seismic retrofit and bridge rail upgrade.	29180	4591	07 1200 0096	201.113	18-19	0 20	5,360	0	567 2,400	63	630 2,000	Bridge(s)	2.0
114	07	Los Angeles	138	46.7/50.0	In Palmdale, from 30th Street E. to E. Avenue S. Pavement rehabilitation. (G13 Contingency Project)	30740	4769	07 1400 0219	201.121	17-18	100	0 9,608	45	1,329	50	0 1,458	Lane Miles	16.0
115	07	Los Angeles	210	R18.5/R24.9	In and near La Canada Flintridge and Pasadena from Waltonia Drive to Route 134/210 interchange. Enhance highway worker safety by installing Maintenance Vehicle Pullouts, access gates and other measures.	29690	4604	07 1300 0112	201.235	17-18	0 30	2,504 1,974	101	462 998	0 30	563 950	Location(s)	31.0 16.0
116	07	Los Angeles	210	R24.6/R25.3	In Pasadena, at the Route 210/134/710 Interchange. Roadside safety improvements.	31100	4810	07 1500 0005	201.235	19-20	0 30	2,970	118	429 950	5 30	548 990	Location(s)	53.0
117	07	Los Angeles	210	R25.0/R32.8	In Pasadena, Arcadia and Monrovia, from Route 710 to Huntington Drive. Roadside safety improvements.	30360	4708	07 1400 0031	201.235	18-19	0 30	2,624	144	418 854	23 31	563 850	Location(s)	47.0
118	07	Los Angeles	210	R32.8/R44.7	In the Cities of Monrovia, Duarte, Irwindale, Azusa and Glendora, from Huntington Drive to Route 57. Roadside safety improvements.	30190	4707	07 1400 0030	201.235	18-19	0 30	5,488	220	620 1,270	26	900 1,252	Location(s)	35.0 44.0
119	07	Los Angeles	210	R33.7/R39.8	In the Cities of Monrovia, Duarte, Irwindale and Azusa, from Myrtle Avenue to Azusa Avenue. Stabilize soil and erosion control.	30170	4705	07 1400 0033	201.335	19-20	0 30	3,662	144	440 1,175	0 30	478 1,054	Acres Treated/Pollutant	18.3
120	07	Los Angeles	210	R38.6/R38.9	In Los Angeles County on Routes 210, 405 and 605 at various locations. Bridge seismic retrofit and bridge rail upgrade at five locations.	30930	4788	07 1400 0281	201.113	19-20	0 20	5,243	225	989 1,137	0 10	700 1,060	Bridge(s)	5.0
121	07	Los Angeles	213	2.7/3.9	In Rancho Palos Verdes, from Caddington Drive to Peninsula Verde Drive. Replace two damaged drainage systems. (G13 Contingency Project)	25310	3734	07 0000 0457	201.151	18-19 19-20	260	0	234	284 923	128 310	0	Drainage System(s)	3.0

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	07	Los Angeles	213	2.7/3.9	In Rancho Palos Verdes, from Caddington Drive to Peninsula Verde Drive. Replace two damaged drainage systems. (G13 Contingency Project)	25310	3734	07 0000 0457	201.XXX	48-19 19-20	0	1,662	0	0	0	423	Drainage System(s)	3.0
122	07	Los Angeles	405	0.7/6.7	In Long Beach and Signal Hill, from Los Cerritos Channel to Pacific Avenue. Enhance highway worker safety by miscellaneous paving, relocating irrigation, and other measures.	29610	4598	07 1300 0035	201.235	17-18	1	2,165	220	850 1,130	5	700	Location(s)	105.0
123	07	Los Angeles	405	42.9	In Van Nuys, near Saticoy Street. Replace and install weigh-in-motion system.	30510	4724	07 1400 0097	201.321	18-19	0	2,195	497 528	900 983	5 12	675 890	Location(s)	1.0
124	07	Los Angeles	405	8.8	In Carson, at Dolores Yard Overhead Bridge No. 53-1168. Upgrade bridge drainage system.	30480	4721	07 1400 0084	201.119	48-19 19-20	395	1,574	40 301	283 525	203	351	Bridge(s)	1.0
125	07	Los Angeles	405	R21.5/26.3	In and near the Cities of Inglewood, Los Angeles, and Culver City, from 105 to Port Road. Enhance highway worker safety by replacing crash cushions, miscellaneous paving, and other measures.	29630	4593	07 1300 0030	201.235	17-18	1	2,130	220	900 1,150	5	750	Location(s)	44.0
126	07	Los Angeles	605	R0.0/26.0	In various cities, from Orange County line to Route 210; also on Route 2 at the TMC (PM R18.7) and Route 5 (PM 6.8). Upgrade Transportation Management System.	31190	4819	07 1500 0016	201.315	18-19	0	10,562	20	4,290 2,299	2	4,738 2,490	Field Elements	115.0
127	07	Los Angeles	710	23.3/25.6	In East Los Angeles, from Route 5 to north of Floral Drive; also on Route 60 (PM R2.9/R3.8), from west of Marina Avenue Pedestrian Overcrossing to Mednick Avenue. Stabilize soil and erosion control.	30440	4717	07 1400 0061	201.335	18-19	0 30	3,425	54	600 910	6 63	640 1,138	Acres Treated/Pollutant	46.4
128	07	Ventura	1	0.0/4.4	Near Oxnard, from Los Angeles County line to south of Sycamore Canyon Road. Rehabilitate pavement.	30330	4696	07 1400 0008	201.121	17-18	50 66	4,675 4,875	44	340 830	30 60	530 970	Lane Miles	14.1
129	07	Ventura	23	0.0/R3.3	In Thousand Oaks, from Carlisle Road to Route 101. Rehabilitate pavement.	30350	4698	07 1400 0007	201.121	17-18	20	3,646	32	230 750	20	390 900	Lane Miles	12.3
130	07	Ventura	101	27.5/31.0	In the City of Ventura, from south of Seaward Avenue to Ventura River. Stabilize soil and erosion control.	31130	4813	07 1500 0009	201.335	18-19	0 20	1,823	95	270 1,196	8 24	325 959	Acres Treated/Pollutant	22.5
131	07	Ventura	118	R24.1/R29.7	In Simi Valley, from First Street to Yosemite Street. Construct maintenance vehicle pullouts and access roads, pave gore areas, install smart irrigation controllers and access gates. Plant vines at bridge wingwalls.	31650	4894	07 1500 0210	201.235	18-19	0 10	3,183	90 677	465 1,369	2 39	520	Location(s)	99.0
132	07	Ventura	126	1.0/R8.2	In and near the City of Ventura, at various locations from west of Victoria Avenue to east of Route 118. Install storm water mitigation devices.	31220	4832	07 1500 0066	201.335	17-18	54 24	3400 4,930	460 706	360 2,055	20	540 1,450	Acres Treated/Pollutant	40.1 44.1

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133	07	Ventura	126	R10.2/R12.7	In Santa Paula, from Peck Road to Santa Paula Creek. Stabilize soil and install irrigation system. (G13 Contingency Project)	31150	4815	07 1500 0012	201.335	18-19	0 30	0	130	370 916	5 102	0	Acres Treated/Pollutant	22.5
	07	Ventura	126	R10.2/R12.7	In Santa Paula, from Peck Road to Santa Paula Creek. Stabilize soil and install irrigation system. (G13 Contingency Project)	31150	4815	07 1500 0012	201.XXX	18-19	0	2,431	0	0	0	0	425 1,379	Acres Treated/Pollutant
134	07	Ventura	Var		In various cities, at various locations on various Routes. Install storm water mitigation devices.	31330	4842	07 1500 0085	201.335	17-18	37	1,750 530	175	500 1,100	5 17	650 1,098	Acres Treated/Pollutant	1.0
135	08	Riverside	10	8.2/R25.1	In and near Beaumont and Banning, from Pennsylvania Avenue to Route 111. Rehabilitate pavement. (G13 Contingency-Project)	1C380	0007N	08 1200 0303	201.122	17-18	25	0 178,910	5,191	10,591	291	0 11,215	Lane Miles	153.9
136	08	Riverside	10	R12.4/13.1	In the City of Banning, from 0.4 mile west to 0.3 mile east of 8th Street. Roadside safety improvements.	1C320	3003H	08 1200 0283	201.235	18-19 17-18	7	1,315	256	298	31	259	Location(s)	77.0
137	08	Riverside	10	R24.5/R156.4 R74.1	In Riverside County, on Routes 10 and 91, at various locations; also in San Bernardino County, on Routes 10 and 15, at various locations. Repair bridge decks.	1E720	3002G	08 1400 0087	201.119	18-19	30	1,964 1,472	350	720 660	20	600	Bridge(s)	9.0 7.0
138	08	Riverside	10	R3.2/R5.3	In the Cities of Calimesa and Beaumont, from Cherry Valley Boulevard to 14th Street/San Timoteo Canyon Road; also on Routes 60 and 86 at various locations. Install Changeable Message Signs.	1F920	3002T	08 1500 0059	201.315	18-19 17-18	10	3,228	425	450	20	550	Field Elements	6.0
139	08	Riverside	15	44.1/48.5	In and near Norco, from 3rd Street to northbound on-ramp at Limonite Avenue Interchange. Roadside safety improvements.	1C150	0016N	08 1200 0263	201.235	17-18	7	1,394	279	328	34	285 400	Location(s)	131.0
140	08	Riverside	60	40.7/13.3	In the City of Riverside, from west of Market Street to Day Street in the City of Moreno Valley. Roadside safety improvements.	1C230	0041L	08 1200 0276	201.235	17-18	7	1,160	179	226	22	196	Location(s)	88.0
141	08	Riverside	60	13.3/21.5 R12.2/21.4	In Moreno Valley, from Day Street to westbound off-ramp at Theodore Street. In Moreno Valley, from Route 60/215 Separation to Theodore Street westbound off ramp. Roadside safety improvements.	1C160	0033P	08 1200 0262	201.235	17-18	7	2,007	303	361	34	313 376	Location(s)	66.0 70.0
142	08	Riverside	60	22.1/26.6	Near Beaumont, from Gilman Springs Road to 1.4 miles west of Jack Rabbit Trail. Rehabilitate pavement.	1C090	0033N	08 1200 0287	201.121	17-18 18-19	0	15,000	0	0	0	0	Lane Miles	17.6
143	08	Riverside	60	22.2/26.6	Near Beaumont, from Gilman Springs Road to 1.4 miles west of Jack Rabbit Trail. Construct left and right shoulders for westbound direction.	0Q180	0045G	08 0002 0220	201.010	17-18 18-19	250	25,000	2,000	1,500	200	3,700	Collisions Reduced	330.0

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144	08	Riverside	62	R6.7/9.2	In and near Yucca Valley and Twentynine Palms, from north of Indian Avenue to Utah Trail; Also, in San Bernardino County (PM 0.0/15.1 and PM 29.3/33.6). Pavement rehabilitation.	1E840	0023C	08 1400 0113	201.121	17-18	200 2,209	35,355	1,450	2,800	300 1,110	4,520	Lane Miles	85.5
145	08	Riverside	94	7.0/7.8	In Corona, at Route 15/91 Interchange. Construct roadsie paving, weed barriers and relocate facilities.	0R490	0076G	08 1200 0089	201.235	17-18	0	1,486	165	425	26	415	Lane Miles	40.0
146	08	Riverside	111	0.0/18.3	Near Salton Sea, from the Imperial/Riverside County line to south of Route 195; also from north of Tram Way/San Rafael Drive to Route 10 (PM 55.5/R63.3). Construct ground-in rumble strips along centerline and shoulder.	1F840	3005E	08 1500 0057	201.010	17-18	40 38	1,407	768	911	64	688	Collisions Reduced	133.0
147	08	Riverside	111	47.3/55.3	In Palm Springs, from Gateway Drive to Golf Club Drive. Reconstruct sidewalks and construct curb ramps.	0R300 0R301	0105C	08 1200 0056 08 1700 0223	201.378	17-18	228 30	1,855	1,657	805	95 30	374 908	Structure(s) Curb Ramps	3.0 25.0
148	08	Riverside	111	47.3/55.3	In Palm Springs, from Gateway Drive to Golf Club Drive. Reconstruct and construct curb ramps.	0R302	3007U	08 1700 0230	201.378	19-20	2,125	5,300	0	1,547	3,339	2,590	Curb Ramps	130.0
149	08	San Bernardino	2	2.4	Near Wrightwood, at Sheep Creek Bridge No. 54-0360. Upgrade bridge railing.	0H470	0127J	08 1200 0074	201.112	17-18	12	2,734 3,237	324	878	36	609 1,557	Linear Feet	120.0
150	08	San Bernardino	10	5.0/10.0	In Ontario, from 0.2 mile west of 4th Street Undercrossing to 0.2 miles east of Route 15 Junction. Install double luminaire lighting, replace sign panels and install high mast lighting. This will be combined with EA 08-0C250 (SANBAG) as a Financial Contribution Only (FCO).	1F550	3005S	08 1400 0248	201.010	18-19 17-18	0	8,213	0	0	0	0	Collisions Reduced	336.0
151	08	San Bernardino	10	R23.8	In Colton, between Mt. Vernon Avenue and Routes 10/215 Junction at Santa Ana River (Bridge No. 54-0292L/R and 54-0292G). Seismic retrofit. (G13 Contingency Project)	0Q910	0133N	08 0002 0580	201.110	17-18	43 1,133	0 23,171	1,025	3,300	64	0 3,660	Bridge(s)	3.0
152	08	San Bernardino	10	R36.9/R39.1	Near Redlands, from Live Oak Canyon Road to County Line Road. Rehabilitate roadway.	0K293	0163C	08 1200 0100	201.122	17-18	7 10	17,144 39,164	0	2,290 2,700	18	1,725 6,400	Lane Miles	17.6 13.2
153	08	San Bernardino	15	174.0/175.0	Near Baker, from 2.5 miles north of Bailey Road to 1.5 miles south of Nipton Road. Cold plane and overlay with Open Graded Friction Course (OGFC).	1G460	3005M	08 1600 0005	201.010	18-19 17-18	10	754 987	175	406	4	224 570	Collisions Reduced	40.0
154	08	San Bernardino	60	0.9/2.9	In Chino, at Pipeline Avenue Overcrossing (OC) No. 54-0744, Monte Vista Avenue OC No. 54-0746, and Benson Avenue OC No. 54-0748. Replace bridges. (G13 Contingency Project)	0F030	0033E	08 0002 0358	201.110	17-18	3,912	0 20,472	2,243	3,320	1,030	0 4,253	Bridge(s)	3.0

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155	08	San Bernardino	60	R4.6/R10.0	In Ontario, from Euclid Avenue to Riverside County line; also in Riverside County from San Bernardino County line to Country Village Road (PM R0.0/R3.0) and 0.7 mile west of Valley Way to Junction 60/91/215 (PM R6.9/R12.2). Replacement of two outside lanes and random concrete slabs. (G-13 Contingency Project)	0Q75U	0224N	08 1700 0114	201.122	17-18	48	0 133,242	0	6,037	70	0 10,372	Lane Miles	105.0
156	08	San Bernardino	60	R7.3/R9.1	In Ontario, from west of Cucamonga Creek to west of Milliken Avenue eastbound off ramp. Construct westbound auxiliary and eastbound deceleration lanes. (G13 Contingency Project)	0E332	3004E	08 1500 0155	201.310	18-19	450	16,598	1,684	3,006	10	5,507	1000 Vehicle Hours/Yr	760.0
157	08	San Bernardino	60	R8.9/R10.0 R7.3/R10.0	In Ontario, from Haven Avenue to Milliken Avenue/Hammer Avenue. Construct auxiliary lane and widen connector and ramps.	0E334 0E33U	3003N	08 1500 0156 08 1500 0075	201.310	19-20	260 710	4367 20,955	1016 2,700	1164 4,170	10 20	1600 7,107	1000 Vehicle Hours/Yr	987.0 1,827.0
158	08	San Bernardino	62	41.0/41.5	Near Twentynine Palms, from east of Godwin Road to west of Shelton Road; also at various locations. Widen shoulders and construct rumble strips.	1E610	0225K	08 1400 0055	201.010	17-18	160 226	3,002	1,117	700	575	610	Collisions Reduced	36.0
159	08	San Bernardino	95	16.8/17.5 65.4/66.0	Near Vidal Junction, from 7.1 miles to 7.8 miles north of Route 62; also near Needles, from 1.4 miles to 2.0 miles north of Goffs Road. (PM 65.4/66.0). Near Needles, from 1.4 miles to 2.0 miles north of Goffs Road. Widen shoulders and install ground-in rumble strips.	1E582	3994Y	08 1600 0073	201.010	17-18	640 485	3,175 1,820	750	650 500	160	850 602	Collisions Reduced	22.0 10.0
160	08	San Bernardino	142	0.0/5.8	In Chino Hills, from Orange County Line to Route 71. Pavement rehabilitation.	1E850	0241C	08 1400 0114	201.121	17-18	20	5,528 7,560	356	570	36	587 1,299	Lane Miles	20.0
161	08	San Bernardino	142	3.9/5.7	In Chino Hills, from Rustic Drive to Route 71. Construct sidewalks and upgrade curb ramps and other pedestrian facilities.	0L710	0242K	08 0000 0431	201.378	17-18	453 240	1,443	0	1,226	940	298	Structure(s)	75.0
162	08	San Bernardino	215	14.8	Near Devore, at Little League Drive Overcrossing. Upgrade existing weigh-in-motion (WIM) system.	1E810	3002K	08 1400 0107	201.321	18-19 17-18	10	1,326	190	270	20	480	Location(s)	1.0
163	08	San Bernardino	330	32.5/33.7	Near Highland, at City Creek Bridge No. 54-365, and at East Fork City Creek Bridge No. 54-345. Replace bridge rail and approach rail. (G13-Contingency Project)	38852	0256C	08 1200 0124	201.112	17-18	40 30	0 2,901	767	725	19	0 700	Linear Feet	1,165.0
164	08	San Bernardino	330	39.6/39.7	Near Running Springs, between Route 210 and Route 18. Replace culverts.	1F830	3001A	08 1500 0055	201.131	17-18	40 52	2,345 3,358	700	300	25	345 680	Location(s)	1.0
165	09	Inyo	178	43.4/44.2	Near Shoshone, from east of Route 127 to Chicago Valley Road. Replace and install culverts.	36340	0653	09 1500 0002	201.151	19-20	65 800	2,210	405	620	80 150	405	Drainage System(s)	3.0

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166	09	Inyo	395	54.6/57.4	In and near Lone Pine, from 1.2 miles south of Route 136 to East Inyo Street; also on Route 136 at the Route 395 intersection (PM 0.0/0.1). Pavement rehabilitation.	36590	0657	09 1500 0042	201.121	17-18	0	7,170	130	490	220	890	Lane Miles	14.0
167	09	Mono	395	51.2/51.7	In Lee Vining, from north of Utility Road to north of First Street. In Lee Vining, from 0.2 mile north of Utility Road to 0.2 mile north of First Street. Upgrade curb ramps, sidewalks and driveways to meet ADA standards.	36550	0659	09 1500 0017	201.361	19-20	338	1,000 1,500	260	528 711	747 843	533 664	Curb Ramps	68.0 66.0
168	09	Mono	395	60.0/69.9	Near Bridgeport, from Conway Ranch Road to Route 270. Upgrade guardrail to meet current standards.	36470	0658	09 1500 0016	201.015	17-18	0	2,470	319	420	2	355	Collisions Reduced	15.0 12.0
169	09	Mono	395	88.4/91.6	Near Bridgeport, from north of Devil's Gate Summit to Burcham Flat Road. Widen shoulders and add rumble strip.	34940	2600	09 1200 0033	201.015	17-18 18-19	190 1,299	5,860 7,352	2,170	821 1,280	350	1,140 1,729	Collisions Reduced	49.5
170	10	Amador	88		In Amador and Alpine Counties on Routes 16, 49, 88, and 104 at various locations. Install centerline and shoulder rumble strips.	1C430	3178	10 1600 0127	201.010	17-18	2	5,517 4,250	409	837	57	916 870	Collisions Reduced	403.0 263.0
171	10	Mariposa	41	2.0/4.9 0.1/4.9	Near Fish Camp, from south of Summit Road-Miami Mountain Road to south of Yosemite National Park boundary; also, in Madera County (PM D0.639/D1.841). Rehabilitate culverts.	1E770	3158	10 1500 0113	201.151	18-19	16	1,893	435	763 929	84	667 905	Drainage System(s)	17.0 19.0
172	10	Mariposa	49	0.3/23.0	Near the community of Mariposa, from Mt. Bullion Cutoff Road to Madera County line at various locations; also, in Tuolumne County near Sonora on Route 49 from PM 0.5 to R27.5 at various locations. Install centerline, shoulder, and edgeline rumble strips.	1E570	3201	10 1600 0126	201.010	17-18	2	1,654 1,560	281	725	30	363	Collisions Reduced	78.0 33.0
173	10	Merced	5		In Merced, San Joaquin, Mariposa and Stanislaus Counties on various routes at various locations. Scour mitigation and preventative structural maintenance measures at 13 bridges.	1C810	3102	10 1500 0038	201.119	19-20 20-21	1,894	1,802 2,100	819	888 950	542	939 1,100	Bridge(s)	13.0
174	10	Merced	140	0.0/42.1	Near the City of Merced at various locations, from Route 5 to 6 miles east of the city of Merced. Upgrade metal beam guardrails.	0Y110	3018	10 1300 0108	201.015	17-18 19-20	23 928	2,940	1,442	873	280	704	Collisions Reduced	138.0 36.0
175	10	Merced	165	8.1/10.9 8.5/10.6	In Los Banos, from Berkeley Drive to St. Francis Drive 0.3 mile south of Route 152 to Dove Street at various locations; also, on Route 152 from 7th Street to H Street (PM 20.6/21.1) at various locations. Upgrade ADA facilities.	0X520	3149	10 1300 0002	201.361	19-20	1,280	968	347	477	164 1,280	505	Curb Ramps	131.0 100.0
176	10	Merced	165		In Merced, Mariposa and Stanislaus counties on Routes 165 and 140, at various locations. Install centerline, edge-line, and shoulder rumble strips.	1E580	3196	10 1600 0104	201.010	17-18	3	3,326 5,200	222	660 760	28	729 1,079	Collisions Reduced	192.0 225.0

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177	10	San Joaquin	4	R17.4 R16.6/R17.8	In Stockton, at Crosstown Freeway Viaduct No. 29-0269. Reconstruct hinge, and replace joint seal and elastomeric bearing pad hinge 32 (left and right) and three ramp joint seals.	1C860	3198	10 1600 0023	201.119	18-19	62 115	3,308 3,428	648	660 848	37	580 361	Bridge(s)	1.0
178	10	San Joaquin	4		In San Joaquin and Stanislaus Counties on Routes 4 and 88 at various locations. Install centerline, shoulder, and edge-line rumble strips.	1C480	3204	10 1600 0085	201.010	17-18	5	1,786 1,403	287	295	4	355 330	Collisions Reduced	92.0 82.0
179	10	San Joaquin	88	16.4/25.4	Near Lockeford, from east of Disch Road to the Amador County line. Rehabilitate pavement. (G13-Contingency Project)	0Q180	0165	10 1300 0256	201.121	17-18	10	0 6,100	219	629	10	0 432	Lane Miles	18.0
180	10	San Joaquin	99	0.9	In Ripon, at Main Street Overcrossing; also in Lodi at Turner Road Overcrossing (PM 31.6). Upgrade pedestrian facilities to comply with Americans with Disabilities Act requirements.	1C060	3156	10 1400 0102	201.361	18-19	8	1,553	97	207 530	58	285 550	Curb Ramps	34.0 40.0
181	10	San Joaquin	205	2.3/R9.7	In and near Tracy, from Hansen Road to Paradise Road. Highway worker safety improvements.	0X700	3111	10 1300 0248	201.235	18-19	40 33	2,700 3,727	225	567 877	10	540 861	Location(s)	41.0
182	10	San Joaquin	Var		In San Joaquin, Merced, and Stanislaus counties at various bridge locations. Bridge seismic retrofit. (G13-Contingency Project)	0P550	0338	10 1200 0055	201.113	17-18	34	0 23,373	1,224	3,928	50	0 2,650	Bridge(s)	10.0
183	10	Stanislaus	5	27.0/27.5	Near Westley, at the Westley Safety Roadside Rest Area (SRRRA). Replace SRRRA buildings.	1C270	3144	10 1400 0097	201.250	48-49 17-18	7	5,477	381	2,254	10	2,871	Location(s)	2.0
184	10	Stanislaus	99	R0.0/R24.8	Near Turlock and Modesto, from the Merced County line to the San Joaquin County line. Rehabilitate pavement. (G13-Contingency Project)	1C290	3088	10 1400 0108	201.121	17-18	3	0 21,344	1,224	1,710	8	0 4,057	Lane Miles	20.0
185	10	Stanislaus	99	R13.9/R15.1	In and near Modesto, from north of Hatch Road to south of Tuolumne Boulevard at Tuolumne River Bridge No. 38-0078L/R, south Modesto Undercrossing No. 38-0082L/R, and south Modesto Overhead No. 38-0076L/R. Replace bridge approach slabs and joint seals at six bridges, and repair bridge deck at one location.	1C870	3192	10 1600 0024	201.119	48-49 17-18	30	4,929	310	845	10	1,040	Bridge(s)	6.0
186	10	Stanislaus	99	R18.0/R19.7	In Modesto at Carpenter Road/Briggsmore Avenue southbound off-ramp. Mitigation replacement planting and irrigation system improvements.	0X56Y	3011Y	10 1600 0147	201.010	48-49 17-18	0	450	75	320	2	434	Collisions Reduced	89.0
187	10	Stanislaus	99	R18.1/R20.9	In Modesto, from north of West Modesto Overhead to north of Beckwith Road/Standiford Avenue. Construct acceleration and deceleration lanes at 4 northbound ramps and 2 southbound ramps to reduce collisions.	0V110	3130	10 1400 0158	201.015	17-18	17	8,300	685	1,280	10	2,400	Collisions Reduced	497.0 18.0

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188	10	Stanislaus	108	Var	Near Modesto and Riverbank, on Routes 108 and 132 at various locations. Upgrade curb ramps, sidewalk and crosswalks.	0W900 0W901	3010	40-1200-0082 10 1700 0142	204-378 201.361	17-18	32 205	1,126 970	609	934 1,430	340 530	640 580	Structure(s) Curb Ramps	7.0 33.0
189	10	Stanislaus	108	Var	Near Riverbank, at 2nd Street and 4th Street. Upgrade curb ramps, sidewalk and crosswalks.	0W902	3010B	10 1700 0155	201.361	18-19	87	310	0	715	180	200	Curb Ramps	6.0
190	10	Tuolumne	108	R16.1/R18.1	Near Long Barn, from Lyons Dam Road to west of Long Barn Connection. Rehabilitate pavement.	40160	0126	10 1300 0049	201.121	17-18	0	2,046	0	434	11	64 333	Lane Miles	4.0
191	10	Tuolumne	120		In Tuolumne, Stanislaus, and Mariposa Counties, on Routes 120 and 108 at various locations. Install centerline, shoulder, and edge-line rumble strips.	1C460	3202	10 1600 0075	201.010	17-18	5	1,750 1,579	195	333	4	344 290	Collisions Reduced	56.0 54.0
192	11	San Diego	8	49.0	Near Pine Valley, at Buckman Springs Safety Roadside Rest Area (SRRA). Rehabilitate SRRA sewer and water systems.	40910	1085	11 1200 0043	201.235	47-48 18-19	20	3,275	698	1,251	0	1,034	Location(s)	1.0
193	11	San Diego	52	3.8/5.1	In the City of San Diego, from Route 805 to west of Convoy Street. Pavement rehabilitation.	41950	1176	11 1500 0036	201.121	48-49 17-18	0	15,248	0	1,056	0	2,086	Lane Miles	29.2
194	11	San Diego	94	8.3	In Lemon Grove and La Mesa, at the Massachusetts Avenue Undercrossing and also on Route 125 at the Panorama Drive Undercrossing (PM 13.8). Construct outer barrier, apply friction enhancement treatment and upgrade guardrail and end treatments.	41800	1111	11 1400 0054	201.010	48-49 17-18	0	1,604	0	569	0	494	Collisions Reduced	39.0
195	11	San Diego	805	27.1/28.9	In the City of San Diego, from Mira Mesa Boulevard to north of Route 5. Pavement rehabilitation.	41990	1175	11 1500 0038	201.121	48-49 17-18	90	8,120	0	1,181	0	1,302	Lane Miles	14.4
196	12	Orange	1	9.3	In Laguna Beach, at Route 133 (Broadway Street). Replace bridge. Financial Contribution-Only (FCO).	0M990	2293	12 1300 0086	201.110	47-48 19-20	230 540	1,164 1,550	62 270	403 650	24 790	403 600	Bridge(s)	1.0
197	12	Orange	5	23.2/30.2	In the Cities of Santa Ana, Tustin and Irvine, from Route 133 to Route 55. Upgrade existing fiber optic communication system, closed circuit television and electronic equipment.	0H028	2753B	12 1300 0143	201.315	48-49 17-18	0	3,000	330	780	0	750	Field Elements	7.00
198	12	Orange	55	12/13.4	In the Cities of Orange and Tustin, from north of 17th Street to north of La Veta Avenue. Roadside safety improvements.	0N500	3573	12 1400 0053	201.235	48-49 17-18	0	1,900	285	390	0	325	Location(s)	33.00
199	12	Orange	91	R13.6	In Anaheim, at the Commercial Vehicle Enforcement Facility (CVEF) Peralta Weigh Station (Eastbound). Rehabilitate and upgrade CVEF.	0N490	4642A	12 1400 0050	201.321	18-19	0	3,650 6,847	633 624	1,160 1,391	23 10	1,213 1,332	Location(s)	1.0

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200	12	Orange	91	R13.8	Near Anaheim, at the westbound Peralta Weigh Station. Rehabilitate Commercial Vehicle Enforcement Facility (CVEF).	0N270	4644A	12 1300 0187	201.321	17-18	0	4,687 6,847	422 431	952 1,442	48 10	954 1,419	Location(s)	1.0
201	12	Orange	133	0.9/1.2	In Laguna Beach, at and north of Canyon Acres Drive. Extend the northbound lane reduction transition.	0N870	4769	12 1400 0124	201.010	17-18 18-19	892	833	0	1,100	150	471	Collisions Reduced	34.0

List of New Long Lead Project Amendments

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.

No. 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.
Long Lead						
3680	02-Sha-299 R7.6/18.3 3H310 02 1700 0083	In and near the town of Shasta, from west of Crystal Creek Road to Trinity Alley. Roadway rehabilitation. PA&ED: 05/02/2022 R/W: 06/21/2024 RTL: 07/22/2024 BC: 03/04/2025	\$6,269 (R/W) \$69,236 (C)	24-25	PA&ED \$4,130 PS&E \$5,110 RW Sup \$490 Con Sup \$6,820 Total \$16,550	201.120 Assembly: 1 Senate: 1 Congress: 1 14.4 Lane Miles
Note: PA&ED and R/W are the only authorized phases. All other phases are preliminary estimates for information only.						
3001S	08-SBd-40 153.9/154.7 0R380 08 1200 0067	Near Needles, from Park Moabi Road to Topock Road at the Colorado River Bridge No. 54-0415. Bridge rehabilitation and/or replacement. Caltrans will be the Lead Agency and share half of all costs with ADOT per a signed Letter of Intent. PA&ED: 02/01/2021 R/W: 02/01/2023 RTL: 08/15/2023 BC: 04/15/2024	\$169 (R/W) \$28,800 (C)	23-24	PA&ED \$2,650 PS&E \$3,759 RW Sup \$431 Con Sup \$8,332 Total \$15,172	201.110 Assembly: 33 Senate: 16 Congress: 8 1 Location
Note: PA&ED and R/W are the only authorized phases. All other phases are preliminary estimates for information only.						