

Memorandum

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: March 16-17, 2016

Reference No.: 4.18
Action Item

From: NORMA ORTEGA
Chief Financial Officer

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

Subject: **ADOPTION OF 2016 STATE HIGHWAY OPERATION AND PROTECTION PROGRAM**
RESOLUTION G-16-14

RECOMMENDATION:

The California Department of Transportation (Department) recommends the California Transportation Commission (Commission) adopt the proposed 2016 State Highway Operation and Protection Program (SHOPP), as amended by the attached document. A copy of the proposed 2016 SHOPP was an informational item on the Commission's January 2016 agenda, as well as transmitted to the Commission on January 29, 2016.

ISSUE:

The Department's 2016 SHOPP was prepared in response to Government Code Section 14526.5, Streets and Highways Code Section 164.6, and the strategies outlined in the Department's Policy for Management of the SHOPP. Government Code Section 14526.5, as modified by Senate Bill 486, also requires the Commission to adopt and submit the SHOPP to the Legislature and the Governor, no later than April 1 in even-numbered years.

Following Commission's adoption of the SHOPP, the Department will work closely with the various regional transportation planning agencies to incorporate the 2016 SHOPP into their regional federal transportation improvement programs to establish federal funding eligibility.

BACKGROUND:

The 2016 SHOPP is a four-year program (from Fiscal Years 2016-17 through 2019-20) which includes projects for safety, major damage restoration, legal mandates, bridge preservation, roadway preservation, roadside preservation, mobility, and highway-related facilities. The 2016 SHOPP utilizes \$10.1 billion for capital outlay and capital outlay support over the four-year period. This funding level is consistent with the adopted 2016 State Transportation Improvement Program (STIP) Fund Estimate.

Projects proposed for allocation in Fiscal Year 2015-16 are not included in the 2016 SHOPP.

Attachment

Recommended Changes to the 2016 State Highway Operation and Protection Program (SHOPP)

Dist	County	Route	Post Miles	Location/Description	EA	PPNO	Program Code	FY	Schedule				Comments
									RTL	PAED	R/W Cert	Begin Con	
03	Sacramento	12	0.0/0.4	In Sacramento and Solano Counties, near Rio Vista at the Sacramento River Bridge No. 23-0024. Clean and repaint steel surfaces.	3F570	5959	201.110	2016/17	3/1/2017	4/14/2016	2/1/2017	10/1/2017	Update schedule.
03	Sacramento	50	L0.0/R5.1	In Sacramento, from Yolo County line to 0.2 mile west of Watt Avenue Overcrossing. Install fiber optic cable.	4F460	6239	201.315	2017/18	10/1/2017	4/1/2016	9/1/2017	4/1/2018	Update schedule.
03	Placer	80	28.7/R63.5	In Placer and Nevada Counties, at various locations. Rehabilitate or replace bridges at six locations. (G13 Contingency Project)	2F570	5097	201.110	2019/20	3/15/2020	1/2/2018	2/28/2020	12/15/2020	Update schedule
04	Alameda	84	13.0/13.6	In Fremont, at Alameda Creek Bridge No. 33-36. Replace bridge. (G13 Contingency Project)	16030	0084B	201.110	2017/18	4/1/2018	6/1/2016	1/1/2018	12/8/2018	Update schedule.
04	Marin	1	28.5	Near Point Reyes Station, at Lagunitas Creek Bridge No. 27-0023. Replace bridge. (G13 Contingency Project)	0G642	0756K	201.113	2018/19	4/15/2019	8/15/2017	4/1/2019	10/16/2019	Update schedule.
04	Marin	580	2.7	Near San Quentin at San Quentin Street Undercrossing. Repair failed slope and improve drainage.	1SS59	0327Q	201.131	2015/16	12/3/2015	6/20/2014	11/9/2015	11/30/2016	Update schedule and description; remove from 2016 SHOPP.
04	Contra Costa	24	1.0/R2.5	In Orinda and Lafayette, from east of the Caldecott Tunnel to east of Camino Pablo and at Acalanes Road (PM R4.2/R4.99); also in Oakland on Route 13, at Redwood Road (PM 5.2/5.5). Install safety lighting.	1J990	1418C	201.010	2017/18	5/15/2018	4/3/2017	5/1/2019	11/15/2019	Update schedule.
04	Alameda	80	4.6/5.7	In Berkeley, from Potter Street/Ashby Avenue on-ramp to University Avenue off-ramp. Replace metal beam guard rail with concrete barrier.	4G230	1003J	201.015	2016/17	7/15/2016	9/30/2015	7/1/2016	3/23/2017	Update schedule.
04	Santa Clara	152	6.1/R35.2	In and near Gilroy, from 1.1 miles east of Watsonville Road to Merced County line. Install rumble strips.	4H860	0487N	201.015	2016/17	2/1/2017	2/5/2016	1/3/2017	7/14/2017	Update schedule.
04	Marin	101	4.7/5.6	Near Mill Valley, from Redwood Highway Frontage Road to Route 131 (Tiburon Boulevard). Install concrete barrier.	4H980	0820K	201.010	2017/18	6/15/2018	4/15/2017	5/15/2018	12/12/2018	Update schedule.
04	Alameda	680	R12.4/R21.9	In and near Pleasanton and Dublin, from north of Route 84 to Alcosta Boulevard. Roadway rehabilitation.	0J620	0481P	201.122	2019/20	6/1/2020	10/2/2018	6/1/2020	3/30/2021	Update schedule.
04	San Francisco	101	6.7/8.1	In the city and county of San Francisco, from Van Ness Avenue to Lyon Street. Rehabilitate pavement.	3E602	0480T	201.121	2017/18	3/1/2018	3/15/2016	9/1/2017	7/1/2018	Update schedule.
04	Napa	29	13.5/25.5	In and near Napa and Yountville, from north of Trancas Street/Redwood Road to Mee Lane. Rehabilitate pavement.	4H200	0378E	201.121	2016/17	6/1/2017	1/29/2016	8/1/2017	1/28/2018	Update schedule.
04	Napa	121	14.8	Near Napa, at 1.5 miles south of Wooden Valley Road. Install rock bolts and flexible cable mesh to mitigate rockfall.	3J740	1488Q	201.131	2017/18	9/1/2017	2/3/2017	9/1/2017	5/11/2018	Update schedule.
04	Contra Costa	680	11.5/11.8	Near Alamo, on southbound of Route 680, between Rudgear Road and Livorna Road. Repair slide.	0J380	0482S	201.131	2017/18	6/29/2018	4/1/2017	6/15/2018	12/31/2019	Update schedule.
04	Alameda	13	12.1/13.4	In Berkeley, from Shattuck Avenue to 7th Street. Upgrade curb ramps and sidewalks.	2G482	0124L	201.378	2018/19	7/6/2018	2/1/2016	7/2/2018	3/29/2019	Update schedule.
04	Alameda	680	M0.0/M4.0	In Fremont, from south of Scott Creek Road to Auto Mall Parkway. Rehabilitate roadway.	3G602	0587J	201.120	2016/17	2/1/2017	2/29/2016	1/23/2017	8/1/2017	Update schedule
04	Marin	101	0.0/4.0	In Sausalito, Corte Madera, Larkspur, and Tiburon, on Routes 101 and 131 at various locations. Upgrade curb ramps, driveways and sidewalks.	3G210	2119Q	201.361	2016/17	6/15/2017	2/5/2016	6/14/2017	12/5/2017	Update schedule
05	Monterey	101	R6.7	Near Paso Robles, at San Antonio River Bridge No. 44-0141L/R. Bridge seismic restoration.	1F820	2565	201.113	2019/20	4/29/2020	9/7/2018	2/11/2020	12/14/2020	Update schedule.
05	Santa Barbara	154	R7.8/R8.3	Near Santa Ynez, at and near Route 246 intersection. Landscape mitigation.	0T001	2267Y	201.010	2016/17	12/30/2016	11/1/2011	12/16/2014	8/18/2017	Update schedule.
05	Santa Barbara	101	45.6/46.4	In Gaviota, from 0.7 mile north of Beckstead Overcrossing to 0.8 mile south of Gaviota Tunnel. Planting mitigation.	0T631	2292Y	201.010	2016/17	3/25/2016	12/10/2013	1/15/2016	9/13/2016	Update schedule.
05	San Luis Obispo	41	14.2/15.9	In Atascadero, from San Gabriel Road to Route 101 Southbound ramps. Improve and construct new ADA accessible pedestrian pathways and install Accessible Pedestrian Signal (APS) systems.	1F630	2532	201.361	2018/19	6/3/2019	10/2/2017	6/3/2019	1/16/2020	Update schedule.

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									RTL	PAED	R/W Cert	Begin Con	
05	Monterey	68	L4.0/R18.1	Near the cities of Monterey and Salinas, from Route 1 to Spreckels Boulevard. Install Traffic Management System (TMS) elements.	0N190	4019	201.315	2016/17	3/6/2017	10/13/2015	2/14/2017	3/22/2018	Update schedule.
05	Monterey	1	39.8/74.6	In and near Big Sur and Carmel, from Torre Canyon Bridge to San Luis Avenue. Pavement rehabilitation.	1F680	2534	201.121	2018/19	6/13/2019	3/14/2018	5/23/2019	8/20/2020	Update schedule.
05	Monterey	VAR		In and near Carmel, Monterey, and Seaside, on Routes 1 and 68 at various locations. Roadside maintenance safety improvements.	1C990	2458	201.235	2017/18	9/27/2017	1/15/2016	3/21/2017	5/25/2018	Update schedule.
06	Tulare	198	R11.7/R19.8	In Visalia, from Lovers Lane to west of Route 245. Rehabilitate pavement. (G13 Contingency Project)	0S340	3034	201.122	2016/17	3/30/2017	12/3/2015	1/16/2017	9/5/2017	Update schedule.
07	Los Angeles	110	24.1/31.9	In cities of Los Angeles, South Pasadena, and Pasadena, from West Sunset Boulevard to East Glenarm Street. Enhance highway worker safety by installing Maintenance Vehicle Pullouts, access gates and other measures.	29530	4588	201.235	2016/17	3/25/2017	8/15/2016	8/15/2016	9/27/2017	Update schedule.
07	Los Angeles	110	11.0	Near Gardena, south of Redondo Beach Boulevard. Replace culvert.	31380	4849	201.151	2018/19	4/30/2019	1/25/2017	2/28/2019	11/1/2019	Update schedule.
07	Los Angeles	605	R 0.0/26.0	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	201.315	2018/19	5/10/2019	5/15/2017	4/18/2019	11/20/2019	Update schedule.
07	Ventura	101	R36.7/R40.3	Near Sea Cliff, from Padre Juan Canyon Road Overcrossing to Punta Gorda Pedestrian Undercrossing. Rehabilitate roadway.	30240	4686	201.122	2019/20	2/14/2020	9/21/2018	2/11/2019	8/28/2020	Update schedule.
07	Ventura	23	R3.3/R11.5	In and near cities of Thousand Oaks and Moorpark, from Route 101 to Route 118. Rehabilitate pavement.	30250	4688	201.122	2019/20	12/17/2019	8/15/2017	12/21/2018	7/10/2020	Update schedule.
07	Los Angeles	1	35.1/35.4	In Santa Monica, at McClure Tunnel Bridge No. 53-0008. Enhance safety lighting inside tunnel.	31690	4903	201.170	2018/19	11/30/2018	4/21/2017	8/3/2018	6/14/2019	Update schedule.
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	201.351	2017/18	12/15/2017	9/1/2016	10/12/2017	7/13/2018	Update schedule.
12	Orange	55	13.2/R17.8	In the city of Orange, from La Veta Avenue to Route 91. Roadside safety improvements.	0N530	3535	201.235	2019/20	4/1/2020	4/1/2019	3/1/2020	12/1/2020	Update schedule.

List of Capital Project Amendments

Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support		
01	Mendocino	162	11.5/11.8	Near Dos Rios, from 1.4 to 1.7 miles east of Rodeo Creek Bridge. Construct soldier pile walls and drainage galleries.	4553	0B530	0114000035	201.131	49 355	9,545 7,630	16/17 18/19	PA&ED PS&E RW Const	4,300 4,300 49 4,430	2,060 1,650 170 1,700
<p>Comments: The support costs for this project has increased due to the change in the preferred alternative. A more cost effective construction alternative is being implemented, modifying the scope to one wall and dewatering technology at the two other locations, rather than walls at all three locations. Additional geotech and environmental studies are warranted to resolve the slides, in addition to permits and right of way for drilling. The additional studies and permits require more time resulting in pushing the project out two years to from FY 16/17 to FY 18/19 and a net zero change to the cost of the project.</p>														
02	Shasta	44	59.6 59.4/59.8	Near Old Station, from 0.1 mile west to 0.3 mile east of Sugar Loaf Drive at Hat Creek Bridge No.06-0084. Replace Bridge.	3483	4F200	0212000071	201.110	327 484	4,460 5,180	17/18	PA&ED PS&E RW Const	620 780 470 4,140	1,120 1,130 400 1,530
<p>Comments: The preferred alternative identified in the PID became infeasible when a separate project, that was to be coordinated, did not materialize resulting in changes to the proposed geometrics. In addition, community outreach identified additional challenges to local businesses, recreational traffic, and the local water system. The revised geometrics resulted in increases to the project length, and roadway excavation, a new single span structural design and additional mitigation. As a result of these necessary changes, the project requires additional funding, adding \$2,647,000 to the cost of the project.</p>														
02	Shasta	299	77.8/79.7	Near Burney, from west of Sonoma Street to west of Route 89. Rehabilitate roadway.	3449	4E020	0200020196	201.120	54 78	7,500 6,900	17/18	PA&ED PS&E RW Const	500 580 400 4,000	500 670 443 1,140
<p>Comments: The drainage design for the project is more extensive than originally planned, requiring more design and surveys, as well as lab and geotech support, to address the localized flooding that occurs during rain events. Right of way funding needs to be increased to support the additional permits to enter, construction easements and temporary easement that are required. The work plan has been updated with the current rates and the construction estimate revised. The identified savings results in a net zero change to the cost of the project.</p>														
02	Siskiyou	5	R25.2	Near Edgewood, from 0.4 mile south to 0.4 mile north of North Edgewood Overhead No. 02-0032L&R. Strengthen and upgrade bridges.	3535	4G240	0213000095	201.322	39	4,000	16/17	PA&ED PS&E RW Const	680 750 240 870	680 938 40 1,000
<p>Comments: This project was able to identify an innovative bridge strengthening procedure resulting in a trade off in design efforts for right of way savings. The work plan was revised identifying the needs for the new strategy and incorporating current rates, adding \$148,000 to the cost of the project.</p>														

Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support			
02	Tehama	32	8.6/9.3	Near Chico, from 0.2 mile west to 0.5 mile east of Diamond Match Haul Road. Curve improvement.	3573	0H200	0214000143	201.010	65	2,735	17/18	PA&ED	281	281	
													PS&E	293	502
													RW	178	178
													Const	296	625
Comments: The work plan for this project was updated after PA&ED with current rates and more detailed project information, adding \$548,000 to the cost of the project.															
02	Tehama	36	42.1/46.0	In and near Red Bluff, from East Sand Slough Bridge to east of Stice Road. Rehabilitate pavement.	3453	3E720	0200020154	201.121	97	5,300 4,920	16/17	PA&ED	260	260	
													PS&E	399	650
													RW	240	440
													Const	540	650
Comments: This project involves a large number of utility relocations requiring additional funding. Additional design and surveys are also required to modify the drainage and address the storm water issues. The work plan was updated to address these issues with current rates, adding \$960,000 to the cost of the project.															
02	Trinity	3	30.9/40.2	In and near Weaverville, from Route 299 to 0.8 mile north of Rush Creek Campground Road. Storm water improvements.	3536	4G250	0213000094	201.335	126	1,800	17/18	PA&ED	580	540	
													PS&E	420	420
													RW	140	190
													Const	788	748
Comments: This project realized savings during PA&ED due to adjustments to coordinate and streamline with other projects in the vicinity. During project development, additional right of way support for appraisals and acquisitions were identified to address slope treatments and drainage. These changes result in a net zero change to the cost of the project.															
03	El Dorado	50	38.0/58.0	Near Placerville, from 0.8 mile east of Bridal Veil Falls Road to Strawberry Lodge Drive. Construct traction sand traps.	3300	2F130	0300020539	201.335	350	4,000	17/18	PA&ED	450	548	
													PS&E	475	535
													RW	245	236
													Const	745	728
Comments: The project work plan was updated with current rates, adding \$192,000 to the cost of the project. .															

Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support		
												PA&ED		
03	Sacramento	99	7.4/8.4	Near Elk Grove, at Dillard Road Overcrossing Bridge No. 24-0163, Consumnes River Overflow Bridge No. 24-0021R/L, and Consumnes River Overflow Bridge No. 24-0020R/L. Bridge seismic retrofit.	6912	0F280	0312000069	201.112	2,600	12,000	16/17 17/18	PA&ED	1,700	1,700
												PS&E	3,500	3,500
												RW	600	600
												Const	3,500	3,500
<p>Comments: The hydraulic report required for this project is very extensive due to the large tributary area and multiple channels. With the potential for major bridge scour issues, that will impact environmental clearance and permits, the project schedule needs to be pushed out one year from FY 16/17 to FY 17/18 to allow for sufficient time to verify scour and the appropriate scope for the project.</p>														
03	Sutter Yuba	20	47.0 0.10	Near Yuba City In Marysville, at the Feather River Bridge No. 18-009. Scour mitigation. (G13 Contingency Project)	8140	3F560	0313000033	201.111	1,200 550	7,500 0	17/18 18/19	PA&ED	540	1,240
												PS&E	800	2,600
												RW	400	200
												Const	1,100	0
<p>Comments: The scope for this project was updated to address the current need for the structure. The new project scope requires greater support costs for structural element design. Furthermore, the added project pile driving operation results in increased lead time for right-of-way staff to gain temporary construction easements required for de-watering around the pier retrofits. The changes due to increased involvement to address scour, results in a one year delay from FY 17/18 to FY 18/19.</p>														
03	Yuba	20	13.3/R17.6	Near Marysville, from Marysville Road to Yuba River (Parks Bar) bridge. Rehabilitate roadway. (G13 Contingency Project)	9579	0A570	0300020593	201.120	4,400 6,800	0	16/17 18/19	PA&ED	3,700	3,700
												PS&E	2,210	2,210
												RW	4,620	2,300
												Const	0	0
<p>Comments: The number of permits to enter for environmental studies was significantly larger than was identified in the PID due in part to the potential cultural resources in the project limits. With more detailed survey data it was determined that the right of way was more extensive, requiring addition funding. The remote locations and negotiations for the acquisitions will also require additional time, resulting in pushing the project out two years from FY 16/17 to FY 18/19.</p>														
04	Alameda	580	0.0/7.8	Near Livermore, from San Joaquin county line to east of Greenville Overcrossing; also on Route 205 (PM 0.0/1.0) from San Joaquin county line to Midway Road Undercrossing. Environmental mitigation for EA 3G590.	8315X	3G59C	0416000157	201.122	2,100	0	18/19	PA&ED	0	0
												PS&E	0	0
												RW	150	150
												Const	0	0
<p>Comments: This is the split mitigation project to purchase land for an incidental take, adding \$2,100,000 to the cost of the project.</p>														

Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support		
04	Solano Marin	80 101	44.6 15.4	Near Fairfield, on Route 80, near Fairfield at Suisun Creek Bridge No. 23-0007; also in Marin County, near San Rafael on Route 101 at Miller Creek Bridge No. 27-0004. Scour mitigation.	0487Q	4G870 4G871	0413000057 0416000152	201.111	40 50	1,446 965	16/17	PA&ED PS&E RW Const	350 350 46 300	278 286 10 286
Comments: This project is being split to better address the complexities of each bridge. The original project had two bridges. One location will require a higher-level environmental document, studies and consultations with regulatory agencies. The first of the two projects will be the Miller Creek Bridge location in Marin County, which can be done with a CE but will require additional potholing, increasing the right of way capital. The remaining funds will be rolled over for the Suisun Creek Bridge.														
04	Solano	80	14.6	Near Fairfield, at Suisun Creek Bridge No. 23-0007. Scour mitigation.	0487R	4G872	0416000153	201.111	5	760	19/20	PA&ED PS&E RW Const	850 600 20 600	850 600 20 600
Comments: This is the second of two from a split project. This project requires a minimum of 24 months for environmental, pushing the delivery out three years to FY 19/20. The remaining funds from Miller Creek Bridge were rolled over for the Suisun Creek Bridge. Additional funds are required, adding \$2,238,000 to the cost of the project.														
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.	2548	1F750	0514000050	201.122	15	57,633 56,260	17/18	PA&ED PS&E RW Const	0 1,663 60 7,533	0 2,382 70 8,177
Comments: The project cost was updated with current rates requiring adjustments in funding. The construction estimate was also updated and identified savings, resulting in a net zero change to the cost of the project.														
05	Monterey	101	R41.4/R41.8	In and near King City, at the Salinas River Bridge No 44- 0032. Bridge seismic retrofit and bridge rail replacement.	2454	1C960	0513000019	201.113	2,552	27,935	17/18	PA&ED PS&E RW Const	4,487 4,795 80 5,669	2,203 4,079 80 5,669
Comments: The drilling analysis originally planned to be done during PS&E will be done during PA&ED, shifting the funding from one component to another for a net zero change to the cost of the project.														
05	Monterey	198	22.4/22.8	Near San Lucas, from 0.1 mile west of North Fork Road to 0.3 mile east of North Fork Road. Widen and repave roadway to correct cross-slope.	2420	1C660	0512000186	201.010	51	1,805	16/17	PA&ED PS&E RW Const	650 736 147 584	650 834 315 584
Comments: With a more complete assessment of the project with PA&ED, additional effort is needed for slope and intersection design along with the design of a local road. The work plan for this project was updated and corrections were made to PS&E and R/W requiring additional funding, adding \$267,000 to the cost of the project.														

Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support			
05	Monterey	VAR		In and near Carmel, Monterey, and Seaside, on Routes 1 and 68 at various locations. Roadside maintenance safety improvements.	2458	1C990	0513000022	201.235	44 18	2,943 3,057	17/18	PA&ED	637	430	
Comments: The Project Report is complete and provided a more refined scope and details on the number of locations where the work is to be performed. There is savings in PA&ED and PS&E, but additional funding is needed for right of way and construction capital and support. There is a net zero change to the cost of the project.													PS&E	4,000	935
													RW	44	30
													Const	796	901
05	San Benito	25	R49.9/R52.2	In and near Hollister, from Sunnyslope/Tres Pinos Road to San Felipe Road. Roadway safety improvements.	2514	1F430	0513000151	201.015	208	6,720	17/18	PA&ED	284	284	
Comments: The project work plan was updated identifying saving in PS&E and additional funding is needed for surveys, resulting in a net zero change to the cost of the project.													PS&E	4,126	1,055
													RW	466	227
													Const	741	741
05	Santa Barbara	1	M33.1	Near Lompoc, at San Antonio Creek Bridge No. 51-0237 L/R. Bridge scour mitigation	2563	1F810	0514000063	201.111	83	930	20/21	PA&ED	688	890	
Comments: This long lead project requires extensive biological, cultural, and archaeological studies along with consultations with agencies that were not identified in the PID requiring additional funding, adding \$202,000 to the cost of the project.													PS&E	0	0
													RW	0	0
													Const	0	0
05	Santa Barbara	101	45.6/46.4	In Gaviota, from 0.7 mile north of Beckstead Overcrossing to 0.8 mile south of Gaviota Tunnel. Planting mitigation.	2292Y	0T631	0515000084	201.010	0	220	16/17	PA&ED	0	0	
Comments: This project is being processed through DPAC allowing for some savings in PS&E. However, the project now requires a CDFW incidental take permit that was not identified in the PID requiring additional funding, adding \$115,000 to the cost of the project.													PS&E	130	70
													RW	40	5
													Const	140	320

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05	Santa Cruz	129	1.8/0.9 1.8/9.5	Near Watsonville in Santa Cruz County. Also in San Benito County at School Road. Place open graded friction pavement and upgrade guardrail. Near Watsonville, from east of Lakeview Road to west of Old Chittenden Road; also from the Santa Cruz/San Benito County line to School Road (PM 0.0/0.4).	2476	1F030	0513000037	201.010	44 61	6,946 5,508	16/17	PA&ED PS&E RW Const	0 1,658 69 1,092	0 2,115 579 1,249
<p>Comments: The project estimate was refined and construction capital savings were identified. The PID assumed no new right of way, but surveys identified the need for permanent and temporary right of way along with utility relocations. The ICRP rates were updated and as a result the funding for this project has decreased by \$267,000.</p>														
05	Santa Cruz	152	1.3/R2.0	In Watsonville, from Wagner Avenue to Holohan Road. Construct pedestrian infrastructure.	2464	1E020	0513000025	201.378	195	1,565 1,709	17/18	PA&ED PS&E RW Const	494 716 331 467	350 716 331 467
<p>Comments: This project is realizing a savings in PA&ED for cultural studies, but an increase in construction capital due to additional drainage and AC for pathways. There is a net zero change to the cost of the project.</p>														
06	Madera	99	10.0/26.8	In the cities of Madera and Chowchilla, from Route 145 to East Robertson Boulevard at various locations. Roadside maintenance safety improvements.	6675	0Q610	0613000149	201.235	4 10	2,000	16/17	PA&ED PS&E RW Const	153 266 13 274	153 610 13 460
<p>Comments: The project scope was updated during PA&ED due to recent construction in the vicinity. In addition, a safety analysis identified elements that needed changing or added, including pull outs, replacing guardrail and concrete barriers, gore areas brought up to standards and drainage modifications. The scope changes also require a storm water permit. As a result of these changes, in the scope of the project, it will require additional funding, adding \$539,000 to the cost of the project.</p>														

Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support		
07	Los Angeles	5	R45.4/R59.0 R45.4/R61.2	In and near Santa Clarita, from Route 14 to Parker Road. Rehabilitate pavement. In and near Santa Clarita, from 0.5 miles south of I-5/SR-14 Separation to 1.7 miles north of Lake Hughes Road Undercrossing.	3725B	25262	0700021272	201.120	0 101	78,200 156,000	16/17	PA&ED	0	0
												PS&E	6,410	6,410
												RW	20	20
												Const	9,138	9,138
<p>Comments: This project was planned to be combined with the I-5 HOV project funded by the local agency; however, the HOV project was delayed until 2019. The current pavement continues to deteriorate significantly and now requires an additional 2.2 miles of pavement rehabilitation. The project must move ahead, on schedule, as an independent project utilizing rapid strength concrete and precast concrete slabs because the HOV lane will not be available for detours and staging. As a result, a more extensive traffic control plan needs to be implemented because traffic can not be shifted during construction. The increase in project limits, more expensive concrete pavement and complex traffic handling has significantly increased, adding \$77,921,000 to the cost of the project.</p>														
07	Los Angeles	10	R11.0/R14.0	In the city of Los Angeles, from West Boulevard to Hoover Street. Enhance highway worker safety by installing Maintenance Vehicle Pullouts, access gates and other measures.	4597	29600	0713000034	201.235	0	1,698 1,749	16/17 17/18	PA&ED	54	110
												PS&E	324	438
												RW	0	5
												Const	385	531
<p>Comments: The delivery of this project was delayed from FY 16/17 to FY 17/18 to coordinate with a safety project from. The scope was refined adding locations and the work plan updated, adding \$1,230,000 to the cost of the project.</p>														
07	Los Angeles	57	R7.7/R12.2	In San Dimas and Glendora from Route 10 to Route 210, also on Route 60 in and near the cities of Los Angeles, Monterey Park, and Montebello. Construct Americans with Disabilities Act (ADA) curb ramp improvements.	4494	29120	0712000008	201.361	0 252	2,257	16/17	PA&ED	200	200
												PS&E	400	400
												RW	0	450
												Const	400	400
<p>Comments: The PID for this project did not include right of way. Design is investigating strategies to minimize the impact to utilities and right of way, but will still require additional funds for potholing, right of way acquisitions and utilities, adding \$702,000 to the cost of the project.</p>														

Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support		
07	Los Angeles	101	1.3/6.3	In the city of Los Angeles, from Grand Avenue to Sunset Boulevard. Enhance highway worker safety by modifying irrigation, miscellaneous paving, and other measures.	4630	29860	0713000276	201.235	0	1,300	16/17	PA&ED	47	47
												PS&E	246	740
												RW	0	3
												Const	293	600
Comments: The work plan for this project was updated with current information resulting in an increased need for funding, adding \$804,000 to the cost of the project.														
07	Los Angeles	110	17.9/20.0	In the city of Los Angeles, in Southeast Los Angeles, from Slauson Avenue to 37th Street. Enhance highway worker safety by installing Maintenance Vehicle Pullouts, access gates and other measures.	4596	29590	0713000033	201.235	0	1,354 1,645	16/17	PA&ED	49	49
												PS&E	256	883
												RW	0	4
												Const	305	503
Comments: A field investigation resulted in the identification of additional locations and hazardous waste that was not identified in the PID. The work plan was updated with the current rates and revised funding needs, adding \$1,120,000 to the cost of the project.														
07	Los Angeles	210	R15.6/R18.5	In and near Glendale and La Canada Flintridge, from Lowell Avenue to Waltonia Drive. Enhance highway worker safety by installing access gates and maintenance vehicle pullouts, and pave miscellaneous areas.	4587	29520	0713000019	201.235	0	1,800	16/17	PA&ED	73	73
												PS&E	332	750
												RW	0	3
												Const	405	650
Comments: The work plan for this project was updated with current information resulting in an increased need for funding, adding \$666,000 to the cost of the project.														

Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support		
07	Ventura	101	30.2/31.4	In the city of Ventura, at the Route 33 Interchange. Enhance highway worker safety by miscellaneous paving, replacing crash cushions, and other measures.	4710	29540	0713000018	201.235	0	1,931	017/18	PA&ED	115	115
												PS&E	309	700
												RW	0	2
												Const	445	700
Comments: The work plan for this project was updated with current information resulting in an increased need for funding, adding \$648,000 to the cost of the project.														
08	Riverside	15	23.8/33.4	In and near Lake Elsinore, from Nichols Road to Temescal Canyon Road. Construct rumble strips.	3004G	1F870	0815000063	201.010	10	706	16/17	PA&ED	130	294
												PS&E	200	546
												RW	42	20
												Const	90	359
Comments: The work plan for this project was updated by the new brokered team with updated rates and needs, adding \$787,000 to the cost of the project.														
08	Riverside	60	R0.0/12.2	In and near the city of Riverside, on Route 60 from Milliken Avenue to Routes 60/91/215 Junction; also on Route 91 from Spruce Street to Routes 60/91/215 Junction. Replace transportation wireless communication system with fiber optic infrastructure.	0033R	1C640	0812000339	201.315	7	1,928	16/17	PA&ED	174	174
												PS&E	350	520
												RW	75	75
												Const	350	550
Comments: It was anticipated that this project would be simple with a streamline PS&E process, but it was determined more details were required. The fiber optic installation will not be continuous but will require several short runs of fiber and detailed plans with many locations that will also increase the funding needed in construction as well as design, adding \$370,000 to the cost of the project.														

Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support		
08	Riverside	60	0.0/12.2 R0.0/7.5	In and near Ontario and the city of Riverside, from Hammer Avenue to Routes 60/91/215 Junction. Install new lighting and enhance visibility of existing concrete barrier and lane line striping. Near Ontario, from the San Bernardino County line to Valley Way Undercrossing. Install double luminaire mast arms.	0033S	1E650	0814000059	201.010	10	45,200 16,250	17/18 16/17	PA&ED	630	630
<p>Comments: This project is advancing from FY17/18 to FY 16/17 to facilitate coordination with two other projects within the project limits. Thus avoiding the possible conflict of multiple projects and contractors in the same work. As a result, this added \$1,050,000 to the cost of the project.</p>														
08	Riverside	60	22.2/26.5 22.2/26.6	Near Moreno Valley, from Gilman Springs Road to Jack Rabbit Trail. Construct left and right shoulders for westbound direction. Near Beaumont, from Gilman Springs Road to 1.4 miles west of Jack Rabbit Trail.	0045G	0Q180	0800020220	201.010	250	25,000	16/17 17/18	PA&ED	2,000	2,000
<p>Comments: This project will be combined in a local partnership for construction. The circulation of the Draft Environmental Document (DED) tied a private development to the project that had substantial public controversy. Several months were needed to study and evaluate if the CEQA document should be elevated to an EIR. It was decided that all comments could be addressed in the existing DED; however, because of the large number of comments; the document had significant additional information relative to the original DED. It was concluded to recirculate the DED to be consistent with CEQA guidelines. There were additional comments from several resource agencies including impacts to Public-Quasi-Public (PQP) land that will require an agreement prior to completion of PA&ED. There is a net zero change to the cost of the project.</p>														
08	Riverside	60	22.1/26.5 22.1/26.6	Near Moreno Valley, from Gilman Springs Road to Jack Rabbit Trail. Rehabilitate pavement. Near Beaumont, from Gilman Springs Road to 1.4 miles west of Jack Rabbit Trail.	0033N	1C090	0812000287	201.121	0	15,000	16/17 17/18	PA&ED	0	0
<p>Comments: This project will be combined in a local partnership for construction. The circulation of the Draft Environmental Document (DED) comments revealed concerns and public controversy requiring additional review. The project will require additional time to consult with regulatory agencies and address public comments in pushing the project out one year from FY 16/17 to 17/18. There is a net zero change to the cost of the project.</p>														

Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support		
												PA&ED	PS&E	Const
08	Riverside	74	R14.8/15.2	In Lake Elsinore, at Gunnerson Street and Strickland Avenue. Widen for left turn channelization and shoulder. Left Turn Channelization.	0050N	1E050	0813000139	201.010	30 100	1,782	16/17	PA&ED	911	911
<p>Comments: The project requires additional coordination with county flood control and US Corp engineers that was not identified in the PID. The construction estimate was updated with adjustments to unit cost of concrete barriers and additional k-rail, crash cushions and work associated with temporary pavement striping, the permit and capital update, adding \$230,000 to the cost of the project.</p>														
08	Riverside	74	27.8/37.7	In and near Menifee and Hemet, from Route 215 to West Acacia Avenue. Construct raised curb median.	0056H	0N670	0800000536	201.010	2,549	26,298	17/18	PA&ED	945 945	2,450
<p>Comments: This project requires aerial surveys resulting in the need to merge as-built topo and aerial surveys for design. The PID identified the potential presence of hazardous waste requiring additional effort to study and develop options to reduce the impact of hazardous waste, which requires additional funding, adding \$1,730,000 to the cost of the project.</p>														
08	Riverside	74	52.1/92.0	In and near Palm Desert, from west of Strawberry Creek bridge to west of Cahuilla Hills Road. Install metal beam guardrail.	0050L	0R780	0812000165	201.015	10	4,976	16/17	PA&ED	800	800
<p>Comments: The project work plan was updated with current rates. Additional resources were identified for traffic handling because the project location is remote and undeveloped and is required for public safety, adding \$655,000 to the cost of the project.</p>														
08	Riverside	111	47.3/55.3	In Palm Springs, from Gateway Drive to Golf Club Drive. Reconstruct sidewalks and curb ramps.	0105C	0R300	0812000056	201.378	428 228	4,453 1,855	17/18	PA&ED	250 250	662
<p>Comments: This project has an increase in the number of locations within the project limits that have to be reconstructed. The coordination necessary for ADA design is greater than what was originally estimated for compliances, adding \$976,000 to the cost of the project.</p>														

Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support		
												PA&ED	PS&E	Const
08	Riverside	371	60.2/67.7	Near Cahuilla, from Wilson Valley Road to Cary Road; also from Kerby Road to Route 74 (PM 72.8/77.1). Construct rumble strips.	3004K	1F850	0815000062	201.010	10	775	17/18	PA&ED	300	440
												PS&E	200	560
												RW	50	40
												Const	90	295
Comments: The support costs were adjusted to account for the transfer of work, coordination and oversight of brokered work to another district, adding \$695,000 to the cost of the project.														
08	San Bernardino	2	2.2/2.7 2.4	Near Wrightwood, at Sheep Creek Bridge No. 54-0360. Upgrade bridge railing.	0127J	0H470	0812000074	201.112	5 12	2,731	17/18	PA&ED	324	324
												PS&E	611	611
												RW	36	36
												Const	609	609
Comments: Once preliminary design and environmental studies were completed it was determined that Environmental Permits are needed, adding \$7,000 to the cost of the project.														
08	San Bernardino	18	75.5/87.6	Near Apple Valley and Lucerne Valley, from Custer Avenue to Pauhaska Road. Install ground-in rumble strips.	0190H	1E020	0813000118	201.010	0	482 290	16/17	PA&ED	216	216
												PS&E	309	309
												RW	3	3
												Const	423	155
Comments: The construction estimate was updated and the work plan revised. The number of working days were recalculated and rumble strips were removed from the scope, resulting in an overall saving of \$160,000 to the cost of the project.														
08	San Bernardino	38	30.9	Near Redlands, at Santa Ana River Bridge No. 54-0407. Rehabilitate bridge and upgrade bridge railing.	0200J	0R340	0812000072	201.110	24 20	1,324 1,647	17/18	PA&ED	439	325
												PS&E	369	682
												RW	45	40
												Const	463	838
Comments: The advance planning study during PA&ED revealed that the bridge is too narrow for the lane closure identified in the PID. Additional traffic control measure will be required, in addition, the structures estimate was updated resulting in the need for additional funding with some minor savings in right of way for permits. As a result of these changes to the project, it will add \$1,005,000 to the cost of the project.														

Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support		
10	Merced	140	6.1/35.8	In and near the city of Merced, from east Junction 33 to Route 99. Rehabilitate pavement.	3023	0Y740	1014000032	201.121	485 30	22,800 20,000	16/17	PA&ED	1,380	1,380
												PS&E	1,450	1,450
												RW	215	215
												Const	1,380	2,500
<p>Comments: This project has decreased capital cost due to the elimination of some guardrail work that is being done in another project and the elimination of the environmental mitigation that was associated with that scope of work. With the completion of environmental, the work plan was updated resulting in a net savings of \$2,135,000 to the project.</p>														
10	Merced	59	12.8/13.5	In the city of Merced, at Mission Avenue/Dickenson Ferry Road. Left turn channelization.	3005	0U520	1000020459	201.010	818	1,500	16/17	PA&ED	699	699
												PS&E	727	727
												RW	598	710
												Const	369	380
<p>Comments: An additional right of way parcel was identified for this project. The negotiations have been more extensive than originally estimated for a possible condemnation process, and the work plan was updated with current information resulting in a slight increase in construction support, adding \$123,000 to the cost of the project.</p>														
10	Merced	99	R35.9/R37.3	In Merced and Stanislaus Counties near Turlock, from north of Bradbury Road to north of the Stanislaus County line. Rehabilitate pavement. (G13 Contingency Project)	3091	1C180	1014000101	201.122	0 10	0	16/17	PA&ED	281	281
												PS&E	954	954
												RW	4	4
												Const	0	0
<p>Comments: This project requires increased traffic handling and staging that was not identified in the PID. The project will require temporary pavement for staging and shifting of traffic which will increase the number of working days, requiring additional funding. Right of Way capital is increased to address utility conflicts.</p>														
10	San Joaquin	88	16.4/25.4	Near Lockeford, from east of Disch Road to the Amador County line. Rehabilitate pavement.	0165	0Q180	1013000256	201.121	0 10	6,100	17/18	PA&ED	400	219
												PS&E	400	629
												RW	50	10
												Const	750	432
<p>Comments: This project was not sufficiently resourced. The work plan has been updated identifying funds for right of way utility risk management, resulting in a net zero change to the cost of the project.</p>														

Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support		
												PA&ED	PS&E	RW
11	San Diego	94	5.8/9.3	In the cities of San Diego and Lemon Grove, at Kelton Road Overcrossing (No. 57-0300) and Grove Street Overcrossing (No. 57-0322). Upgrade bridge rails. In the city of San Diego at Kelton Road Overcrossing No. 57-0300; also in Lemon Grove at Grove Street Overcrossing No. 57-0322. (G13 Contingency Project).	1124	41440	1114000023	201.112	80	0	16/17	PA&ED	657	417
												PS&E	4,034	1,363
												RW	435	46
												Const	0	0
<p>Comments: This project over estimated PA&ED but has additional needs in PS&E. The PID did not identify resources for aerielly deposited lead studies that are needed as well as a design change to widen shoulders on the bridge. The right of way parcel that was anticipated as being required for the project is publicly owned, resulting in a decrease in right of way cost. These changes result in a net zero change to the cost of the project.</p>														
11	San Diego	163	2.5/4.0	In the city of San Diego, from Robinson Avenue to San Diego River. Safety enhancements that include lighting, rumble strips, striping, lighting, bridge rail end treatments and high friction surface treatment.	1103	41530	1113000018	201.015	9 136	6,193	16/17	PA&ED	448	448
												PS&E	710	710
												RW	2	82
												Const	1,261	1,261
<p>Comments: This project has common project limits with a safety project. There were elements outside the Caltrans right of way including lighting and rails, that had to be resolved immediately resulting in an increase to right of way to prevent delaying a safety project, adding \$216,000 to the cost of this project.</p>														

Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support			
												PA&ED	PS&E	Const	
11	San Diego	VAR	VAR	<p>In and near the cities of San Diego and National City, upgrade curb ramps to comply with Americans with Disabilities Act (ADA) standards.</p> <p>In and near the cities of Chula Vista, National City, Coronado and San Diego on Routes 5, 8, 52, 75, 163 and 805 at various locations. Upgrade curb ramps to comply with Americans with Disabilities Act (ADA) standards.</p>	1022	40580	1100020271	201.361	90	4,394	17/18	496	2,204	1,120	841
<p>Comments: The scope of this project was refined after a more detailed assessment of specific locations for ADA compliance. The increased effort in PA&ED in prioritizing and adding locations is balanced by the savings in PS&E, resulting in a net zero change to the cost of the project.</p>													134	134	1,120