

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

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

**CTC Meeting:** June 27-28, 2018

**Reference No.:** 2.1a.(2)  
Action Item

**From:** STEVEN KECK  
Chief Financial Officer

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Division of Transportation  
Programming

**Subject:** SHOPP AMENDMENT 18H-003

**ISSUE:**

Should the California Transportation Commission (Commission) approve the California Department of Transportation’s (Department) request to amend the 2018 State Highway Operation and Protection Program (SHOPP) under SHOPP Amendment 18H-003?

**RECOMMENDATION:**

The Department recommends that the Commission approve SHOPP Amendment 18H-003 that will amend the 2018 SHOPP Program, in accordance with Senate Bill 486 and the Road Maintenance and Rehabilitation Program component of Senate Bill 1, which require the Commission to approve changes to projects in the SHOPP or to adopt new projects being amended into the SHOPP.

The Department recommends 8 new capital projects be amended into the 2018 SHOPP, as detailed in Attachment 1. These amendments summarized below, would be funded from the Major Damage Restoration, Collision Reduction, Bridge Preservation and 2018 SHOPP programming capacity. These projects are consistent with the Transportation Asset Management Plan (TAMP).

<b>2018 SHOPP Summary of New Projects by Category</b>	<b>No.</b>	<b>FY 2018-19 (\$1,000)</b>	<b>FY 2019-20 (\$1,000)</b>	<b>FY 2020-21 (\$1,000)</b>	<b>FY 2021-22 (\$1,000)</b>
Major Damage Restoration	5	\$747	\$12,648		\$9,148
Collision Reduction	2			\$5,616	\$9,125
Bridge Preservation	1	\$13,650			
Total Amendments	8	\$14,397	\$12,648	\$5,616	\$18,273

The Department also recommends an additional 3 new capital projects be amended into the 2018 SHOPP, targeted to the four asset classes highlighted in Senate Bill 1, as detailed in Attachment 2 and summarized below. The amendments would be funded from the Bridge Preservation and Roadway Rehabilitation components of Senate Bill 1. These projects are consistent with the TAMP.

<b>2018 SHOPP Summary of New Projects by Category</b>	<b>No.</b>	<b>FY 2018-19 (\$1,000)</b>	<b>FY 2019-20 (\$1,000)</b>	<b>FY 2020-21 (\$1,000)</b>	<b>FY 2021-22 (\$1,000)</b>
Bridge Preservation	1			\$5,810	
Roadway Preservation	2			\$117,170	
Total Amendments	3			\$122,980	

The Department further recommends that the capital projects, detailed in Attachment 3 be amended in the 2018 SHOPP to update cost, scope and schedules and to make other technical changes. The amended projects are consistent with the Commission adopted Transportation Asset Management plan.

**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.

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

Attachments

## List of New 2018 SHOPP Capital Project Amendments

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work	FY	Project Costs (\$1,000)		Program Code Leg./Congress. Dists. Perf. Meas.	
<b>Major Damage Restoration</b>						
1 03-ED-193 26.7 3636 0318000116 3H980	Near Placerville, at 0.3 mile west of Route 49 junction. Stabilize slope by installing drainage system and Rock Slope Protection (RSP) over the landslide area.	19-20	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$230 \$580 \$180 \$520 \$100 <u>\$1,900</u> \$3,510	17-18 18-19 18-19 19-20 19-20 19-20	201.131 Assembly: 5 Senate: 1 Congress: 4 1 Location(s)
	PA&ED: 2/1/2019 R/W: 1/15/2020 RTL: 2/1/2020 BC: 7/15/2020					
2 03-Yub-49 5.9/6.1 9683 0318000178 4H120	Near Camptonville, from 0.5 mile to 0.7 mile north of Camptonville Road. Permanent slope restoration by placing Rock Slope Protection (RSP), constructing concrete barrier and drainage systems, and widening shoulders.	19-20	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$760 \$880 \$90 \$500 \$235 <u>\$4,800</u> \$7,265	17-18 18-19 18-19 19-20 19-20 19-20	201.131 Assembly: 3 Senate: 4 Congress: 3 1 Location(s)
	PA&ED: 3/1/2019 R/W: 4/15/2020 RTL: 5/1/2020 BC: 9/1/2020					
3 04-SCI-35 9.5/10.5 2024N 0418000175 0Q930	Near Los Gatos, from 1.8 miles to 2.8 miles north of Black Road. Mitigation plant establishment and monitoring for EAs 4K710 and 4K800.	18-19	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$210 \$5 \$250 \$10 <u>\$272</u> \$747	17-18 17-18 18-19 18-19 18-19	201.131 Assembly: 28, 29 Senate: 15, 17 Congress: 18 0 Location(s)
	PA&ED: N/A R/W: 8/1/2018 RTL: 8/1/2018 BC: 1/14/2019					
4 04-SM-84 2.1 1464E 0417000051 2K660	Near Half Moon Bay, south of Bear Gulch Road. Repair embankment and structural section settlement by using injection grouting methods to restore original grades, densify the soil below, and minimize future settlement.	19-20	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$160 \$430 \$34 \$424 \$1 <u>\$824</u> \$1,873	18-19 18-19 19-20 19-20 19-20 19-20	201.131 Assembly: 22 Senate: 13 Congress: 14, 18 1 Location(s)
	PA&ED: 2/1/2019 R/W: 9/1/2019 RTL: 10/1/2019 BC: 3/1/2020					

## List of New 2016 SHOPP Capital Project Amendments

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work	FY	Project Costs (\$1,000)			Program Code Leg./Congress. Dists. Perf. Meas.
<i>Major Damage Restoration, continued</i>						
5 07-Ven-33 22.0 5292 0717000324 34270	Near Wheeler Springs, south of Rose Valley Road. Permanent restoration of storm damaged embankment by constructing retaining wall and restoring the roadway.	21-22	PA&ED	\$700	18-19	201.131
			PS&E	\$2,400	20-21	Assembly: 37
			R/W Sup	\$170	20-21	Senate: 19
			Con Sup	\$2,100	21-22	Congress: 26
			R/W Cap	\$22	21-22	
	PA&ED: 11/1/2020		<u>Const Cap</u>	<u>\$3,756</u>	21-22	1 Location(s)
	R/W: 9/1/2021		Total	\$9,148		
	RTL: 11/1/2021					
	BC: 6/1/2022					
<b>Collision Reduction</b>						
6 06-Ker-178 10.4/57.0 6924 0618000083 0X520	Near Bakersfield, from 0.2 mile east of Miramonte Drive to Kelso Valley Road; also on Route 223 from South Vineland Road to South Comanche Drive (PM R17.1/R20.0). Install centerline and shoulder rumble strips.	20-21	PA&ED	\$830	18-19	201.010
			PS&E	\$830	19-20	Assembly: 26, 32, 34
			R/W Sup	\$7	19-20	Senate: 14, 16,
			Con Sup	\$840	20-21	Congress: 21, 23
			R/W Cap	\$6	20-21	
			<u>Const Cap</u>	<u>\$3,103</u>	20-21	26 Collision(s) reduced
			Total	\$5,616		
	PA&ED: 2/28/2020					
	R/W: 1/21/2021					
	RTL: 2/26/2021					
	BC: 9/7/2021					
7 08-SBd-138 0.0/2.4 3010F 0817000139 1H830	Near Pinon Hills, from Los Angeles county line to 0.5 mile west of Phelan Road. Widen roadway to provide up to 14 foot median, widen shoulders, and construct rumble strips.	21-22	PA&ED	\$850	17-18	201.010
			PS&E	\$800	20-21	Assembly: 42
			R/W Sup	\$75	20-21	Senate: 23
			Con Sup	\$1,500	21-22	Congress: 36
			R/W Cap	\$10	21-22	
			<u>Const Cap</u>	<u>\$5,890</u>	21-22	55 Collision(s) reduced
			Total	\$9,125		
	PA&ED: 10/1/2020					
	R/W: 7/1/2021					
	RTL: 8/16/2021					
	BC: 2/11/2022					
<b>Bridge Preservation</b>						
8 04-Ala-880 30.8 0050N 0400001164 4A800	In Oakland, near Lake Merrit Channel Bridge No. 33 -0027 and 5th Avenue. Replace Hanlon Lead Railroad bridge. Mitigation for EA 1706U.	18-19	PA&ED	\$0		201.110
			PS&E	\$1,100	17-18	Assembly: 19
			R/W Sup	\$350	17-18	Senate: 9
			Con Sup	\$1,700	18-19	Congress: 9
			R/W Cap	\$7,500	18-19	
			<u>Const Cap</u>	<u>\$3,000</u>	18-19	0 Bridge(s)
			Total	\$13,650		
	PA&ED: 5/11/2015					
	R/W: 6/3/2019					
	RTL: 6/10/2019					
	BC: 12/4/2019					

## List of New 2018 SHOPP Capital Project Amendments for Senate Bill 1 Projects

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code	Project Costs (\$1,000)		
1 01-Lak-29 50.8 3130 0118000172 0E081	Near Upper Lake, at Robinson Creek Bridge No. 14-0030 (PM 50.82); also on Route 175 at Kelsey Creek Bridge No. 14-0044 (PM 19.48). Widen bridge and upgrade bridge rails at Robinson Creek Bridge and replace existing Kelsey Creek Bridge.	20-21 201.112	PA&ED	\$200	Prior
			PS&E	\$726	19-20
			R/W Sup	\$129	19-20
			Con Sup	\$871	20-21
			R/W Cap	\$63	20-21
			<u>Const Cap</u>	<u>\$3,821</u>	<u>20-21</u>
			Total	\$5,810	
<u>Performance Measure</u>					
176.0 Linear feet					
Note: Parent project EA 0E080/PPNO 01-3098 to split off two bridges into child project EA 0E081/PPNO 01-3130. After additional studies and evaluation, scope changes were identified on two of the five bridges requiring the parent project to be split into two. The scope changes require additional time to complete PA&ED, which pushes out all phases in the child project by one year. Additional resources are needed for PS&E, R/W support, R/W capital, construction support and construction capital.					
2 05-SB-101 4.4/R7.7 2426A 0517000083 1C822	In and near Summerland, from 0.9 mile south of South Padaro Lane Undercrossing to 0.6 mile north of Padaro Lane Overcrossing. Rehabilitate roadway.	20-21 201.120	PA&ED	\$0	
			PS&E	\$4,370	18-19
			R/W Sup	\$290	18-19
			Con Sup	\$12,490	20-21
			R/W Cap	\$410	18-19
			<u>Const Cap</u>	<u>\$60,650</u>	<u>20-21</u>
			Total	\$78,210	
<u>Performance Measure</u>					
11.6 Lane mile(s)					
Note: Project EA 1C820/PPNO 05-2426 is being split into three projects, EAs 1C821/PPNO 05-2426, 1C822/PPNO 05-2426A, and 1C823/PPNO 05-2426C to allow for delivery of construction readiness segments. This will also help align with the planned HOV project EA 0N700/PPNO 05-7101 segments. Also, fully programming this previous G13 Contingency project.					
3 05-SB-101 R7.3/9.2 2426C 0517000084 1C823	In and near Summerland, from 0.2 mile north of Padaro Lane Overcrossing to 0.2 mile north of Sheffield Avenue. Rehabilitate roadway.	20-21 201.120	PA&ED	\$0	
			PS&E	\$330	18-19
			R/W Sup	\$90	18-19
			Con Sup	\$6,380	20-21
			R/W Cap	\$270	18-19
			<u>Const Cap</u>	<u>\$31,890</u>	<u>20-21</u>
			Total	\$38,960	
<u>Performance Measure</u>					
6.8 Lane mile(s)					
Note: Project EA 1C820/PPNO 05-2426 is being split into three projects, EAs 1C821/PPNO 05-2426, 1C822/PPNO 05-2426A, and 1C823/PPNO 05-2426C to allow for delivery of construction readiness segments. This will also help align with the planned HOV project EA 0N700/PPNO 05-7101 segments. Also, fully programming this previous G13 Contingency project.					

## List of 2018 SHOPP Amendments (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
1 01-DN-101 8.2/8.7 1072 0100020444 0B090	Near Klamath, at Panther Creek Bridge No. 01 -0025 and at Hunter Creek Bridge No. 01-0003. Seismic retrofit.  <u>Performance Measure</u> 2 Bridge(s)	18-19 201.113	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$2,159 \$3,720 \$373 <del>\$3,282</del> \$5,589 <u>\$13,756</u> \$28,879	Prior 18-19 18-19 18-19 18-19 18-19 18-19	\$2,159 \$3,720 \$373 <b>\$3,842</b> \$5,589 <u>\$17,690</u> <b>\$33,373</b>	Prior 18-19 18-19 18-19 18-19 18-19

Note: Additional construction support and capital is needed due to changes in pile design and arch design, the requirement for a temporary bridge, and increase in unit prices for structural concrete, steel railings and cost of painting the arch.

2 01-DN-101 21.2 1122 0116000137 0G210	Near Crescent City, at 0.2 mile north of Cushing Creek Viaduct. Restore roadway to pre-slide condition.  <u>Performance Measure</u> 1 Location(s)	<del>19-20</del> <b>20-21</b> 201.131	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,488 \$2,276 \$116 \$3,974 \$18 <u>\$10,148</u> \$18,020	Prior <del>18-19</del> <del>18-19</del> <del>19-20</del> <del>19-20</del> <del>19-20</del> <del>19-20</del> <del>19-20</del>	\$1,488 \$2,276 \$116 \$3,974 \$18 <u>\$10,355</u> <b>\$18,227</b>	Prior <b>19-20</b> <b>19-20</b> <b>20-21</b> <b>20-21</b> <b>20-21</b> <b>20-21</b>
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Note: After conducting studies and other evaluations, it was determined that all phases need to be moved out by one year. Potential impacts to environmental resources and tribal coordination has increased the time needed to attain PA&ED, pushing out subsequent phases. Construction capital is increased due to escalation.

3 01-DN-101 25.6/27.3 1095 0113000023 0C660	In and near Crescent City, from south of Elk Valley Road to north of Wilson Avenue/Burtschell Street. Upgrade Americans with Disabilities Act (ADA) facilities and construct traffic calming measures to improve operations and safety for non-motorized users.  <u>Performance Measure</u> 87 Curb ramp(s)	19-20 201.361	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$669 \$595 <del>\$1,234</del> \$530 \$621 <u>\$4,340</u> \$7,989	Prior 19-20 19-20 19-20 19-20 19-20 19-20	\$669 \$595 <b>\$1,862</b> \$530 \$621 <u>\$4,340</u> <b>\$8,617</b>	Prior 19-20 19-20 19-20 19-20 19-20
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Note: After conducting studies and other evaluations, it was determined that right of way support needs to increase due an increase in the number of parcels affected by the project and an increase in the number of utility relocations.

**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
4 01-Hum-36 0.1/1.6 2379 0113000090 0E010	Near Fortuna, from Route 101 to River Bar Road. Shoulder widening.  <u>Performance Measure</u> 23 Collision(s) reduced	<del>49-20</del>	PA&ED	\$910	Prior	\$910	Prior
		<b>20-21</b>	PS&E	<del>\$886</del>	<del>48-49</del>	<b>\$1,123</b>	<b>19-20</b>
		201.015	R/W Sup	<del>\$592</del>	<del>48-49</del>	<b>\$861</b>	<b>19-20</b>
			Con Sup	\$955	<del>49-20</del>	\$955	<b>20-21</b>
			R/W Cap	<del>\$2,727</del>	<del>49-20</del>	<b>\$2,842</b>	<b>20-21</b>
			<u>Const Cap</u>	<del>\$7,187</del>	<del>49-20</del>	<u>\$7,187</u>	<b>20-21</b>
			Total	<del>\$13,257</del>		<b>\$13,878</b>	

Note: After conducting studies and other evaluations, it was determined that all phases need to be moved out by one year due to a delay in receiving survey data and the environmental approval timeframe. Additional design support is needed to address more extensive hydraulic review and unanticipated issues with roadway geometrics. Right of way support and capital is needed to address acquisition of additional parcels and additional utility relocations.

5 01-Hum-36 10.5/10.8 2415 0115000076 0F160	Near Carlotta, from 0.1 mile east of Riverside Park Road to 0.4 mile east of Riverside Park Road. Curve correction.  <u>Performance Measure</u> 20 Collision(s) reduced	19-20	PA&ED	\$910	Prior	\$910	prior
		201.010	PS&E	\$904	<del>48-49</del>	\$904	<b>19-20</b>
			R/W Sup	\$174	<del>48-49</del>	\$174	<b>19-20</b>
			Con Sup	\$537	19-20	\$537	19-20
			R/W Cap	\$309	19-20	\$309	19-20
			<u>Const Cap</u>	<del>\$2,240</del>	19-20	<u>\$2,240</u>	19-20
			Total	\$5,074		\$5,074	

Note: Based upon delayed survey data, project needs to be redesigned to stay within the safety funding constraints, minimize environmental impacts, and impacts to private property. Additional need for negotiation with the property owner and the need to redesign the project has resulted in delay of PS&E and R/W support.

6 01-Hum-36 11.3/34.6 2363 0112000292 0C500	Near Bridgeville, at Hely Creek Bridge (No. 04-0092), Little Larabee Creek Bridge (No. 04-0102) (PM 25.3), and Butte Creek Bridge (No. 04-0116). Upgrade bridge rails and widen at one bridge, and replace two bridges.  <u>Performance Measure</u> 905.5 Linear feet <b>910.0 Linear feet</b>	<del>49-20</del>	PA&ED	\$2,947	Prior	\$2,947	Prior
		<b>21-22</b>	PS&E	\$3,646	<del>49-20</del>	\$3,646	<b>20-21</b>
		201.112	R/W Sup	\$268	<del>49-20</del>	\$268	<b>20-21</b>
			Con Sup	\$4,325	<del>49-20</del>	\$4,325	<b>21-22</b>
			R/W Cap	\$874	<del>49-20</del>	\$874	<b>21-22</b>
			<u>Const Cap</u>	<del>\$15,356</del>	<del>49-20</del>	<u>\$16,001</u>	<b>21-22</b>
			Total	<del>\$27,416</del>		<b>\$28,061</b>	

Note: While conducting environmental studies, significant cultural resources were identified at all bridges. Additional time is needed to address these resources which will push PS&E and R/W support out one year. R/W capital, construction support, and construction capital will be pushed out by two years. A new performance measure calculation method requires a slight performance measure adjustment.

**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
7 01-Hum-101 79.5/80.2 2417 0115000088 0F200	In Eureka, at the Eureka Slough Bridge No. 04-0022L. Seismic retrofit.  <u>Performance Measure</u> 1 Bridge(s)	19-20 201.113	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$709 \$1,574 \$75 \$1,206 \$3,837 <u>\$3,695</u> \$11,096	Prior <del>18-19</del> <del>18-19</del> 19-20 19-20 19-20 19-20	\$709 \$1,574 \$75 \$1,206 \$3,837 <u>\$3,695</u> \$11,096	Prior <b>19-20</b> <b>19-20</b> 19-20 19-20 19-20

Note: This project proposes to seismically retrofit southbound Eureka Slough Bridge No. 04-0022L. Adjacent northbound Eureka Slough Bridge No. 04-0022R is also identified as needing seismic retrofit. Both bridges are old. Along with seismic retrofit, alternatives to replace the bridges need to be developed. This will elevate the environmental document to EIR resulting in delayed PA&ED, subsequently delaying PS&E and R/W support phases.

8 01-Lak-20 Var 3098 0113000122 0E080	<del>In Lake County, on Routes 20, 29 and 175 at various locations. Replace and upgrade bridge rails on five bridges. Near Upper Lake, at Polk Jones Cattlepass Bridge No. 14-0034 (PM 9.41) and Morrison Creek Bridge No. 14-0004 (PM 16.81); also, on Route 29 at Manning Creek Bridge No. 14-0067 (PM R38.91). Replace and upgrade bridge rails and widen one bridge.</del>  <u>Performance Measure</u> <del>853.0 Linear feet</del> <b>282.0 Linear feet</b>	19-20 201.112	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	<del>\$943</del> <del>\$1,136</del> <del>\$324</del> <del>\$1,601</del> <del>\$263</del> <u>\$5,621</u> <del>\$9,888</del>	Prior 18-19 18-19 19-20 19-20 19-20	<b>\$743</b> <b>\$410</b> <b>\$195</b> <b>\$730</b> <b>\$200</b> <u><b>\$1,800</b></u> <b>\$4,078</b>	Prior 18-19 18-19 19-20 19-20 19-20
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Note: After additional studies and evaluation, scope changes were identified on two of the five bridges requiring this project to be split into two. The scope changes require additional time to complete PA&ED, which pushes out all phases in the child project by 1 year. Additional resources are needed for PS&E, R/W support, R/W capital, construction support and construction capital. Project EA 0E080/PPNO 01-3098 to split off two bridges into child Project EA 0E081/PPNO 01-3130.

9 01-Men-1  4507 0100000672 43480	In and near Fort Bragg, at Little River Bridge No. 10-0178, at Jack Peters Bridge No. 10-0150 and at Pudding Creek Bridge No. 10-0158. Upgrade and replace barrier rails and bridge replacement.  <u>Performance Measure</u> 1,463.0 Linear feet	<del>19-20</del> <b>20-21</b> 201.112	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$3,806 \$2,825 \$341 \$3,650 \$1,099 <u>\$15,650</u> \$27,371	Prior <del>18-19</del> <del>18-19</del> <del>19-20</del> <del>19-20</del> <del>19-20</del> <del>19-20</del>	\$3,806 \$2,825 \$341 \$3,650 \$1,099 <u>\$15,650</u> \$27,371	Prior <b>20-21</b> <b>20-21</b> <b>20-21</b> <b>20-21</b> <b>20-21</b>
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Note: Technical changes to project schedule.



**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
10 01-Men-20 33.3/34.4 4587 0113000123 0E090	Near Ukiah, from east of Route 101 to east of Road 144 at Russian River Bridge and Overhead No. 10 -0182. Rehabilitate bridge deck.  <u>Performance Measure</u> 2 Bridge(s)	<del>19-20</del> <b>20-21</b> 201.110	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$2,087 \$3,129 \$260 \$7,824 \$250 <u>\$25,832</u> \$39,382	Prior <del>18-19</del> <del>18-19</del> <del>19-20</del> <del>19-20</del> <del>19-20</del> <del>19-20</del>	\$2,087 \$3,129 \$260 \$7,824 \$250 <u>\$25,832</u> \$39,382	Prior <b>19-20</b> <b>19-20</b> <b>20-21</b> <b>20-21</b> <b>20-21</b> <b>20-21</b>

Note: Delay in surveys and additional time needed to evaluate off-alignment alternatives to reduce impacts to locals due to detours will delay all subsequent phases of the project.

11 01-Men-101 58.9/82.5 4574 0112000285 0C450	Near Laytonville, at Moss Cove Safety Roadside Rest Area (SRRRA); also at Irvine Lodge SRRRA (PM 61.8) and Empire Camp SRRRA (PM 82.5). Upgrade potable and wastewater systems.  <u>Performance Measure</u> 3 Location(s)	19-20 201.235	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$365 \$2,260 \$46 \$1,232 \$3 <u>\$6,322</u> \$10,228	Prior Prior Prior 19-20 19-20 19-20	\$365 \$2,260 \$46 \$1,232 \$21 <u>\$11,460</u> \$15,384	Prior Prior Prior 19-20 19-20 19-20
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Note: Additional regulatory requirements were identified during PA&ED that required a revised wastewater treatment strategy. After evaluating recent contractor bids for similar projects at Safety Roadside Rest Areas (SRRRA) the estimate has been updated, requiring an increase in construction capital. Additional R/W capital is needed for increased permit fees and newly identified utility potholing.

12 01-Men-162 11.5/11.8 4553 0114000035 0B530	Near Dos Rios, from 1.4 to 1.7 miles east of Rodeo Creek Bridge. Construct soldier pile walls, <b>shear pile wall, and drainage galleries, and correct roadway profile.</b>  <u>Performance Measure</u> 1 Location(s)	<del>18-19</del> <b>20-21</b> 201.131	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$2,060 <del>\$1,650</del> \$170 <del>\$1,700</del> \$355 <u>\$7,630</u> \$13,565	Prior 18-19 18-19 <del>18-19</del> <del>18-19</del> <del>18-19</del>	\$2,060 <b>\$2,400</b> \$170 <b>\$3,000</b> \$355 <u>\$14,836</u> \$22,821	Prior 18-19 18-19 <b>20-21</b> <b>20-21</b> <b>20-21</b>
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Note: After receiving additional geotechnical studies to identify appropriate strategies to address the landslide and concurrence from FHWA, a new Damage Assessment Form (DAF) was approved. To implement these strategies, all phases will be delayed by two years and requires an increase in PS&E, construction support and construction capital.

**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
13 02-Mod-299 51.9/52.5 3607 0215000150 1H330	Near Cedarville, from 0.6 mile west of Cedar Pass Ski Tow Road to Cedar Pass Ski Tow Road. Curve improvement.	18-19 201.010	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$580 \$680 \$90 \$840 <del>\$15</del> <u>\$3,214</u> \$5,419	Prior Prior Prior 18-19 18-19 18-19	\$580 \$680 \$90 \$840 <b>\$20</b> <u>\$3,214</u> <b>\$5,424</b>	Prior Prior Prior 18-19 18-19 18-19
	<u>Performance Measure</u> 18 Collision(s) reduced						

Note: When finalizing the permit and mitigation costs, it was determined that an increase in R/W capital was necessary for an unanticipated in-lieu payment to National Fish and Wildlife.

14 02-Sha-5 R31.0/31.7 3552 0214000027 4G580	Near Shasta Lake City, at O'Brien Safety Roadside Rest Area (SRRRA). Upgrade potable water system and wastewater systems.	19-20 201.235	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$400 \$1,180 \$140 \$940 <del>\$3</del> <u>\$3,007</u> \$5,670	Prior Prior Prior 19-20 19-20 19-20	\$400 \$1,180 \$140 \$940 <b>\$66</b> <u>\$3,007</u> <b>\$5,733</b>	Prior Prior Prior 19-20 19-20 19-20
	<u>Performance Measure</u> 1 Location(s)						

Note: After evaluating the capabilities of a recently installed well, a change in scope occurred. The new scope identified additional R/W capital needs for utility relocations and a US Forest Service permit.

15 03-But-32 R8.8/9.5 2112 0314000288 4F800	In Chico, from Walnut Street to Poplar Street. Upgrade Americans with Disabilities Act (ADA) facilities.	18-19 201.361	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$405 \$650 \$375 \$935 <del>\$0</del> <u>\$2,900</u> \$5,265	Prior Prior Prior 18-19 18-19 18-19	\$405 \$650 \$375 \$935 <b>\$155</b> <u>\$2,900</u> <b>\$5,420</b>	Prior Prior Prior 18-19 18-19 18-19
	<u>Performance Measure</u> 34 Curb ramp(s)						

Note: The original Project Study Report included three segments including R/W capital for all segments. When this project (segment two) was programmed, the R/W Capital estimate was inadvertently listed as zero. This request fully funds the R/W capital needs of this project for temporary construction easements and permanent acquisitions.

**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
16 03-Col-5 R24.3 2793 0314000162 4F430	Near Maxwell, at the Maxwell Safety Roadside Rest Area. Upgrade water and wastewater systems to current standards.  <u>Performance Measure</u> 1 Location(s)	18-19 201.235	PA&ED	\$420	Prior	\$420	Prior
			PS&E	\$460	Prior	\$460	Prior
			R/W Sup	\$30	Prior	\$30	Prior
			Con Sup	\$810	18-19	\$810	18-19
			R/W Cap	<del>\$16</del>	18-19	<del>\$44</del>	18-19
			<u>Const Cap</u>	<u>\$3,880</u>	18-19	<u>\$3,880</u>	18-19
			Total	<del>\$5,616</del>		<del>\$5,644</del>	

Note: Additional R/W capital is needed after determining the need for Giant Garter Snake mitigation.

17 03-ED-50 <del>R13.7/22.5</del> <b>R13.7/18.5</b> 3317 0317000003 1H800	In and near Placerville, from west of El Dorado Road to <del>0.1 mile east of Braeburn Lane west of Schnell School Road.</del> Rehabilitate deteriorated culverts and provide access for wildlife crossing the route.  <u>Performance Measure</u> <del>36 Culvert(s)</del> <b>32 Culvert(s)</b>	21-22 201.151	PA&ED	<del>\$290</del>	18-19	<b>\$200</b>	18-19
			PS&E	<del>\$890</del>	19-20	<b>\$600</b>	19-20
			R/W Sup	<del>\$180</del>	19-20	<b>\$120</b>	19-20
			Con Sup	<del>\$1,440</del>	21-22	<b>\$960</b>	21-22
			R/W Cap	<del>\$930</del>	21-22	<b>\$620</b>	21-22
			<u>Const Cap</u>	<u><del>\$4,500</del></u>	21-22	<u><b>\$3,000</b></u>	21-22
			Total	<del>\$8,230</del>		<b>\$5,500</b>	

Note: Parent project EA 1H880/PPNO 03-3317 to split off eastern project limits into EA 4H370/PPNO 03-3335 to be later combined with another project in the vicinity and delivered two years early.

18 03-ED-50 18.5/22.5 3335 0318000294 4H370	In and near Placerville, from west of Schnell School Road to east of Braeburn Lane. Rehabilitate deteriorated culverts and provide access for wildlife crossing the route.  <u>Performance Measure</u> 4 Culvert(s)	19-20 201.151	PA&ED			<b>\$90</b>	18-19
			PS&E			<b>\$290</b>	18-19
			R/W Sup			<b>\$60</b>	18-19
			Con Sup			<b>\$480</b>	19-20
			R/W Cap			<b>\$310</b>	18-19
			<u>Const Cap</u>			<u><b>\$1,500</b></u>	<u>19-20</u>
			Total			<b>\$2,730</b>	

Note: Parent project EA 1H880/PPNO 03-3317 to split off eastern project limits into EA 4H370/PPNO 03-3335 to be later combined with another project in the vicinity and delivered two years early.

**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code	Project Costs (\$1,000)				
19 03-Nev-49 Var 4125 0315000166 0H420	In various counties, on various routes at various locations. Repair and install vehicle census count stations.  <u>Performance Measure</u> <del>470</del> Field element(s) <b>63</b> Field element(s)	19-20 201.315	PA&ED	\$1,000	Prior	\$1,000	Prior
			PS&E	\$1,190	Prior	\$1,190	Prior
			R/W Sup	\$210	Prior	\$210	Prior
			Con Sup	\$1,800	19-20	\$1,800	19-20
			R/W Cap	\$30	19-20	\$30	19-20
			<u>Const Cap</u>	<u>\$9,200</u>	19-20	<u>\$9,200</u>	19-20
			Total	\$13,430		\$13,430	

Note: Due a change in the way performance measures are assessed and a revised engineers estimated based on recent contractor bids for electrical systems, the total number of performance measures are being reduced to stay within the original programmed amount.

20 03-Pla-80 28.7/R63.5 5097 0300020615 2F570	In Placer and Nevada Counties, at various locations. Rehabilitate or replace bridges at six locations.  <u>Performance Measure</u> 6 Bridge(s)	19-20 201.110	PA&ED	\$2,720	Prior	\$2,720	Prior
			PS&E	\$6,350	<del>47-48</del>	\$6,350	<b>18-19</b>
			R/W Sup	\$485	<del>47-48</del>	\$485	<b>18-19</b>
			Con Sup	\$6,430	19-20	\$6,430	19-20
			R/W Cap	\$200	19-20	\$200	19-20
			<u>Const Cap</u>	<u>\$32,200</u>	19-20	<u>\$32,200</u>	19-20
			Total	\$48,385		\$48,385	

Note: Technical changes to project schedule.

21 03-Sac-80 <del>15.2/17.0</del> <b>15.0/17.2</b> 6712 0315000203 0H530	In Citrus Heights, from east of Elkhorn Boulevard/Greenback Lane to west of Riverside Avenue. Upgrade weigh-in-motion (WIM) station and widen the westbound auxiliary lane to the Antelope Truck Scales.  <u>Performance Measure</u> 1 Location(s)	18-19 201.321	PA&ED	\$350	Prior	\$350	Prior
			PS&E	\$600	Prior	\$600	Prior
			R/W Sup	\$100	Prior	\$100	Prior
			Con Sup	\$740	18-19	\$740	18-19
			R/W Cap	\$50	18-19	\$50	18-19
			<u>Const Cap</u>	<u>\$3,700</u>	18-19	<u>\$3,700</u>	18-19
			Total	\$5,540		\$5,540	

Note: The post mile limits are being extended to include the truck scale overhead signs. The original post mile limits stopped short of the signs.

**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code	Project Costs (\$1,000)				
22 03-Yol-5 Var 8571 0315000165 0H410	In various counties, on various routes at various locations. Repair and install permanent Automatic Vehicle Classification (AVC) truck data collection stations.	18-19	PA&ED	\$1,000	Prior	\$1,000	Prior
		201.315	PS&E	\$1,000	Prior	\$1,000	Prior
			R/W Sup	\$190	Prior	\$190	Prior
			Con Sup	\$1,900	18-19	\$1,900	18-19
			R/W Cap	\$80	18-19	\$80	18-19
			<u>Const Cap</u>	<u>\$9,400</u>	18-19	<u>\$9,400</u>	18-19
			Total	\$13,570		\$13,570	
	<u>Performance Measure</u> 69 Field element(s) 32 Field element(s)						

Note: Maintenance Vehicle Pullouts, guardrails, and concrete pavement need to be added to each truck data collection station. To stay within the programmed amount, the total number of performance measures being delivered are being reduced.

23 03-Yol-16 25.1/25.5 8663A 0318000216 4F172	Near Capay, from Capay Canal Bridge to County Road 85. Improve signs and lighting, and remove dead trees.	18-19	PA&ED			\$0	
		201.015	PS&E	\$180		\$180	18-19
			R/W Sup	\$30		\$30	18-19
			Con Sup	\$150		\$150	18-19
			R/W Cap	\$10		\$10	18-19
			<u>Const Cap</u>	<u>\$270</u>		<u>\$270</u>	<u>18-19</u>
			Total	\$640		\$640	
	<u>Performance Measure</u> 3 Collision(s) reduced						

Note: After additional studies and evaluation, a portion of this project identified multiple Permits To Enter, R/W acquisitions, utility conflicts and requires extensive public outreach. To accommodate this, the project will be split into two projects. Parent EA 4F170/PPNO 03-8663 to split into EA 4F171/PPNO 03-8663 and EA 4F172/PPNO 03-8663A.

24 03-Yol-16 <del>25.2/28.3</del> 27.5/28.3 8663 <del>0314000063</del> 0318000208 <del>4F170</del> 4F171	<del>Near Capay, from Capay Canal Bridge to County Road 85; also in In</del> Esparto, from Orleans Street to County Road 21A. <del>(PM 27.5/28.3)</del> Improve pedestrian safety and operations for bicycles and motorists. Improve pedestrian safety by improving crosswalks, curb bulb-outs, and lighting.	<del>18-19</del>	PA&ED	\$380	Prior	\$380	Prior
		20-21	PS&E	<del>\$490</del>	18-19	\$1,060	18-19
		201.015	R/W Sup	<del>\$140</del>	18-19	\$990	18-19
			Con Sup	<del>\$390</del>	<del>18-19</del>	\$400	20-21
			R/W Cap	<del>\$408</del>	<del>18-19</del>	\$260	20-21
			<u>Const Cap</u>	<u>\$1,492</u>	<del>18-19</del>	<u>\$2,150</u>	20-21
			Total	<del>\$3,300</del>		\$5,240	
	<u>Performance Measure</u> 29 Collision(s) reduced 22 Collision(s) reduced						

Note: After additional studies and evaluation, a portion of this project identified multiple Permits To Enter, R/W acquisitions, utility conflicts and requires extensive public outreach. To accommodate this, the project will be split into two projects. Parent EA 4F170/PPNO 03-8663 to split into EA 4F171/PPNO 03-8663 and EA 4F172/PPNO 03-8663A.

**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
25 04-Ala-84 Var 0448R 0414000287 1J600	In Oakland, San Leandro, Hayward and Fremont, on Routes 84, <del>92</del> , 112, and 185 and <del>238</del> at various locations. Crosswalk safety enhancements.	18-19 201.015	PA&ED	\$453	Prior	\$453	Prior
			PS&E	\$657	Prior	\$657	Prior
			R/W Sup	\$23	Prior	\$23	Prior
			Con Sup	<del>\$453</del>	18-19	<b>\$755</b>	18-19
			R/W Cap	\$150	18-19	\$150	18-19
			Const Cap	<del>\$2,803</del>	18-19	<b>\$2,775</b>	18-19
			Total	<del>\$4,539</del>		<b>\$4,813</b>	
	<u>Performance Measure</u> <del>27 Collision(s) reduced</del> <b>21 Collision(s) reduced</b>						

Note: Removes 6 Pedestrian Hybrid Beacon Systems from the original 27 programmed as their locations are no longer part of the state highway system due to a November 2017 relinquishment. Construction capital reduced while construction support increased based on a better understanding of the project scope.

26 04-Ala-680 M0.0/R21.9 1463D 0414000305 4G113	In and near Fremont, Pleasanton, and Dublin, from 0.3 mile south of Scott Creek Road to 0.3 mile north of Alcosta Boulevard. Install ramp meters, ramp High Occupancy Vehicle (HOV) bypass lanes, and Traffic Operations Systems (TOS).	18-19 201.315	PA&ED	\$0		\$0	
			PS&E	\$5,600	Prior	\$5,600	Prior
			R/W Sup	\$100	Prior	\$100	Prior
			Con Sup	<del>\$5,600</del>	18-19	<b>\$4,500</b>	18-19
			R/W Cap	\$800	18-19	\$800	18-19
			Const Cap	<del>\$28,300</del>	18-19	<b>\$19,000</b>	18-19
			Total	<del>\$40,400</del>		<b>\$30,000</b>	
	<u>Performance Measure</u> <del>46 Field element(s)</del> <b>44 Field element(s)</b>						

Note: Reduces scope and funding of this project by eliminating two HOV bypass lanes to avoid waste when a local agency project reconstructs one of the ramps.

27 04-Mrm-1 <del>22.8/31.2</del> <b>22.8/33.0</b> 1480A 0414000403 1J960	Near Point Reyes Station and Olema, from Olema Creek Bridge to north of Cypress Road; also near Tomales, from south of Tomales-Petaluma Road to south of Valley Ford Road (PM 45.0/50.5). Pavement rehabilitation, <b>improve drainage, and upgrade Americans with Disabilities Act (ADA) facilities.</b>	<del>19-20</del> <b>21-22</b> 201.121	PA&ED	\$1,320	Prior	\$1,320	Prior
			PS&E	<del>\$1,254</del>	<del>18-19</del>	<b>\$2,500</b>	<b>20-21</b>
			R/W Sup	<del>\$66</del>	<del>18-19</del>	<b>\$350</b>	<b>20-21</b>
			Con Sup	\$1,540	<del>19-20</del>	\$1,540	<b>21-22</b>
			R/W Cap	<del>\$517</del>	<del>19-20</del>	<b>\$817</b>	<b>20-21</b>
			Const Cap	<del>\$13,783</del>	<del>19-20</del>	<b>\$13,783</b>	<b>21-22</b>
			Total	<del>\$18,480</del>		<b>\$20,310</b>	
	<u>Performance Measure</u> 27.8 Lane mile(s)						

Note: Delays delivery by two years to accommodate two seasons of rare-plant surveys and associated preliminary engineering and mapping, and development of Biological Opinions from both the US Fish and Wildlife Service (USFWS) and National Marine Fisheries Service (NMFS). Increases PS&E and R/W support to account for increased outreach to the public and to state and federal Park Services; and to support the rare-plant surveys. Increases R/W capital to account for the acquisition of temporary construction easements for drainage work and utility relocation.

**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code	Project Costs (\$1,000)				
28 04-Mrn-1 33.4 0480C 041400014 0J570	Near Point Reyes Station, at Millerton Gulch Bridge No. 27-0114. <del>Repair damaged embankment and construct retaining wall.</del> <b>Environmental mitigation for emergency project EA 4K500.</b>	18-19 201.119	PA&ED	\$1,620	Prior	\$1,620	Prior
			PS&E	\$1,080	Prior	\$1,080	Prior
			R/W Sup	\$180	Prior	\$180	Prior
			Con Sup	\$830	18-19	\$830	18-19
			R/W Cap	<del>\$450</del>	18-19	<b>\$150</b>	18-19
			Const Cap	<del>\$4,020</del>	18-19	<b>\$1,000</b>	18-19
			Total	<del>\$8,180</del>		<b>\$4,860</b>	
	<u>Performance Measure</u> 4 Bridge(s) <b>0 Bridge(s)</b>						

Note: Reduces programmed scope and cost to providing long-term on-site and off-site mitigation for embankment repair and retaining wall (original scope) constructed as part of a Director's Order arising from winter storm events in 2017.

29 04-Nap-29 11.4 1488P 0414000426 2J100	In Napa, at northbound ramps and 1st Street. Construct roundabout.	18-19 201.010	PA&ED	\$0		\$0	
			PS&E	\$250	Prior	\$250	Prior
			R/W Sup	\$0		\$0	
			Con Sup	\$2,200	18-19	\$2,200	18-19
			R/W Cap	<del>\$0</del>	18-19	<b>\$280</b>	18-19
			Const Cap	<del>\$4,500</del>	18-19	<b>\$4,500</b>	18-19
			Total	<del>\$6,950</del>		<b>\$7,230</b>	
	<u>Performance Measure</u> 48 Collision(s) reduced						
	Concurrent construction allocation under Resolution FP-17-60.						

Note: Restores the programmed amount for R/W capital that was inadvertently deleted during a previous PCR. There was no change in scope to justify its deletion. No change from the original justified amount required.

30 <del>04-Nap-29</del> <del>32.1/42.8</del> <del>1482P</del> 2J770 0415000003	<del>In and near Saint Helena and Calistoga, at Mill Creek Bridge No. 21-0056, Garnett Creek Branch Bridge No. 21-0111, and No Name Creek Bridge No. 21-0100. Bridge preventive maintenance.</del>	19-20 201.119	PA&ED	<del>\$900</del>	Prior		
			PS&E	<del>\$710</del>	<del>18-19</del>		
			R/W Sup	<del>\$236</del>	<del>18-19</del>		
			Con Sup	<del>\$850</del>	<del>19-20</del>		
			R/W Cap	<del>\$495</del>	<del>19-20</del>		
			Const Cap	<del>\$2,844</del>	<del>19-20</del>		
			Total	<del>\$6,035</del>			
	<u>Performance Measure</u> 3 Bridge(s)						

Note: Project EA 2J770/PPNO 04-1482P is combined with similar scope EA 2J880/PPNO 04-1483E under EA 2J88U/PPNO 04-1483E to enable efficiencies in project development and construction costs. One bridge location (Mill Creek Bridge No. 21-0056) is removed from the project scope because current bridge condition requires full replacement and will be re-scoped and reprogrammed in a new project. No net change in programmed amount results.

**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
31 04-Nap-29 39-4 38.9/42.9 1483E 0415000024 0418000401 2J880 2J88U	Near Calistoga, at Garnett Creek Bridge No. 21 -0005 (PM 39.08), Garnet Creek Branch Bridge No. 21-0111 (PM 38.96), and No Name Creek Bridge No. 21-0100 (PM 42.83). Bridge preventative maintenance and scour mitigation.	19-20 201.119	PA&ED	\$1,320	Prior	\$1,320	Prior
			PS&E	<del>\$1,400</del>	18-19	<b>\$1,810</b>	18-19
			R/W Sup	<del>\$330</del>	18-19	<b>\$566</b>	18-19
			Con Sup	<del>\$1,400</del>	19-20	<b>\$1,950</b>	19-20
			R/W Cap	<del>\$347</del>	19-20	<b>\$812</b>	19-20
			<u>Const Cap</u>	<u>\$1,100</u>	19-20	<u><b>\$3,944</b></u>	19-20
			Total	\$5,267		<b>\$10,402</b>	
	<u>Performance Measure</u>						
	4 Bridge(s)						
	3 Bridge(s)						
<p>Note: Project EA 2J770/PPNO 04-1482P is combined with similar scope EA 2J880/PPNO 04-1483E under EA 2J88U/PPNO 04-1483E to enable efficiencies in project development and construction costs. One bridge location (Mill Creek Bridge No. 21-0056) is removed from the project scope because current bridge condition requires full replacement and will be re-scoped and reprogrammed in a new project. No net change in programmed amount results.</p>							
32 04-SCI-9 4.9 0386F 0412000409 3G630	Near Saratoga, at Saratoga Creek Bridge No. 37 -0074. Replace bridge.	19-20 201.110	PA&ED	\$2,800	Prior	\$2,800	Prior
			PS&E	<del>\$1,400</del>	18-19	<b>\$4,200</b>	18-19
			R/W Sup	<del>\$396</del>	18-19	<b>\$1,200</b>	18-19
			Con Sup	\$1,526	19-20	\$1,526	19-20
			R/W Cap	\$6,779	19-20	\$6,779	19-20
			<u>Const Cap</u>	<u>\$11,668</u>	19-20	<u><b>\$11,668</b></u>	19-20
			Total	<del>\$24,569</del>		<b>\$28,173</b>	
	<u>Performance Measure</u>						
	1 Bridge(s)						
<p>Note: Considerable public opposition warrants the need to study other alternatives to replace the existing historical structure with similar arch design to protect and replicate the structure's aesthetic aspects. These alternatives will entail considerably longer design time increasing the PS&amp;E costs, and generating additional right of way acquisitions and environmental mitigation.</p>							
33 05-Mon-1 39.8/74.6 2534 0514000046 1F680	In and near Big Sur and Carmel, from Torre Canyon Bridge to San Luis Avenue. Pavement rehabilitation.	18-19 201.121	PA&ED	\$858	Prior	\$858	Prior
			PS&E	\$1,427	18-19	\$1,427	18-19
			R/W Sup	\$41	18-19	\$41	18-19
			Con Sup	\$2,828	18-19	\$2,828	18-19
			R/W Cap	<del>\$34</del>	18-19	<b>\$56</b>	18-19
			<u>Const Cap</u>	<u>\$24,335</u>	18-19	<u><b>\$24,335</b></u>	18-19
			Total	<del>\$29,520</del>		<b>\$29,545</b>	
	<u>Performance Measure</u>						
	72.1 Lane mile(s)						

Note: Increase R/W capital based on updated utility cost estimate to adjust utility valve covers.



**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
34 05-Mon-101 R28.0/R30.6 2546 0514000049 1F740	Near King City, from south of Paris Valley Road Overcrossing to Rancho Undercrossing. Roadway rehabilitation.  <u>Performance Measure</u> 10.5 Lane mile(s)	18-19 201.122	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$11 \$1,820 \$42 \$3,490 \$0 <u>\$26,950</u> \$32,313	Prior Prior Prior 18-19 18-19 18-19	\$11 \$1,820 \$42 \$3,490 \$14 <u>\$26,950</u> \$32,327	Prior Prior Prior 18-19 18-19 18-19

Note: Update project's R/W capital for potholing utilities and permit fees identified during the design phase.

35 05-Mon-101 <del>73.8/87.3</del> <b>73.1/87.3</b> 2540 0514000055 1F700	In and near Salinas, from <b>0.5 mile</b> north of North Gonzales Overcrossing to East Market Street. Pavement rehabilitation.  <u>Performance Measure</u> <del>54.0 Lane mile(s)</del> <b>55.4 Lane mile(s)</b>	18-19 201.121	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$2,100 \$90 \$2,300 \$70 <del>\$19,400</del> \$23,960	Prior Prior Prior 18-19 18-19 18-19	\$0 \$2,100 \$90 \$2,300 \$70 <u>\$24,100</u> \$28,660	Prior Prior Prior 18-19 18-19 18-19
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Note: Update southern post mile limit to rehabilitate pavement identified during PS&E. Update performance measure due to post mile limit change. Increase to construction capital cost to reflect unit increase and recent estimate based on current market trends.

36 05-SB-101 <del>2.6/9.2</del> <b>2.6/R4.8</b> 2426 <del>0512000236</del> <b>0517000082</b> <del>1C820</del> <b>1C821</b>	In Carpinteria, from Casitas Pass Overcrossing to <del>0.2 miles north of Sheffield Avenue Undercrossing</del> <b>0.5 mile south of South Padaro Lane.</b> Rehabilitate roadway.  <del>(G13 Contingency)</del> <u>Performance Measure</u> <del>26.4 Lane mile(s)</del> <b>8.0 Lane mile(s)</b>	19-20 201.120	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$9,200 <del>\$9,530</del> <del>\$940</del> \$0 <del>\$5,560</del> <del>\$0</del> \$25,230	Prior 18-19 18-19 19-20 19-20 19-20	\$9,200 <b>\$1,380</b> <b>\$220</b> <b>\$10,040</b> <b>\$4,880</b> <u>\$41,430</u> \$67,150	Prior 18-19 18-19 19-20 18-19 19-20
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Note: Project EA 1C820/PPNO 05-2426 is being split into three projects, EAs 1C821/PPNO 05-2426, 1C822/PPNO 05-2426A, and 1C823/PPNO 05-2426C to allow for delivery of construction readiness segments. This will also help align with the planned HOV project EA 0N700/PPNO 05-7101 segments. Also, fully programming this previous G13 Contingency project.

**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
37 05-SB-101 46.9 2462 0513000024 1E010	Near Gaviota, at the Gaviota Safety Roadside Rest Area (SRRRA). Upgrade wastewater system.  <u>Performance Measure</u> 2 Location(s)	18-19 201.235	PA&ED	\$240	Prior	\$240	Prior
			PS&E	<del>\$1,684</del>	Prior	<b>\$1,060</b>	Prior
			R/W Sup	\$10	Prior	\$10	Prior
			Con Sup	\$1,180	18-19	\$1,180	18-19
			R/W Cap	\$25	18-19	\$25	18-19
			<u>Const Cap</u>	<u>\$3,440</u>	18-19	<u>\$3,440</u>	18-19
			Total	<b>\$6,579</b>		<b>\$5,955</b>	

Note: Technical correction to PS&E cost to correct error reported at the May 2018 CTC meeting.

38 05-SB-154 R2.6 2391 0512000139 1C410	Near Los Olivos, at Alamo Pintado Pedestrian Bridge No. 51-0076Y. Remove bridge.  <u>Performance Measure</u> 1 Bridge(s)	19-20 201.119	PA&ED	\$1,125	Prior	\$1,125	Prior
			PS&E	\$1,055	<del>18-19</del>	\$1,055	<b>19-20</b>
			R/W Sup	\$50	Prior	\$50	Prior
			Con Sup	\$350	19-20	\$350	19-20
			R/W Cap	\$56	19-20	\$56	19-20
			<u>Const Cap</u>	<u>\$922</u>	19-20	<u>\$922</u>	19-20
			Total	\$3,558		\$3,558	

Note: Delay PS&E as a result of the State Historic Preservation Office's determination that the pedestrian bridge is historic and eligible for protection. Higher level environmental document and additional time needed to complete PA&ED.

39 05-SLO-41 14.2/15.9 2532 0514000040 1F630	In Atascadero, from San Gabriel Road to Route 101 Southbound ramps. Improve and construct new Americans with Disabilities Act (ADA) accessible pedestrian pathways and install Accessible Pedestrian Signals (APS) systems.  <u>Performance Measure</u> <del>126</del> Curb ramp(s) <b>201 Curb ramp(s)</b>	18-19 201.361	PA&ED	\$827	Prior	\$827	Prior
			PS&E	\$1,333	Prior	\$1,333	Prior
			R/W Sup	\$1,082	Prior	\$1,082	Prior
			Con Sup	\$1,141	18-19	\$1,141	18-19
			R/W Cap	\$679	18-19	\$679	18-19
			<u>Const Cap</u>	<u>\$3,550</u>	18-19	<u>\$3,550</u>	18-19
			Total	\$8,612		\$8,612	

Note: Correction to performance measure based on new method for calculating performance measure.

**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
40 05-SLO-101 54.9/55.7 2518 0514000002 1F490	In Paso Robles, from 0.8 mile north of Route 46/101 interchange to South Paso Robles Overhead; also on Route 41 in Atascadero from Old Morro Road to Atascadero Creek Bridge (PM 12.5/13.3). Improve clear recovery and install barrier.	19-20 201.015	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$395 \$1,475 \$95 \$1,187 \$103 <u>\$3,668</u> \$6,923	Prior <del>19-20</del> <del>19-20</del> 19-20 19-20 19-20 19-20	\$395 <del>\$1,475</del> \$95 \$1,187 \$103 <u>\$3,668</u> \$6,923	Prior <b>18-19</b> <b>18-19</b> 19-20 19-20 19-20 19-20
	<u>Performance Measure</u> 38 Collision(s) reduced						

Note: Technical correction to correct PS&E and R/W Sup Program Year to correct error reported at the May 2018 CTC meeting.

41 06-Ker-99 23.6/R28.4 6661A 0618000145 0Q281	In Bakersfield, from Brundage Lane Overcrossing to Beardsley Canal Bridge. Landscape mitigation for rehabilitate roadway project EA 0Q280.	21-22 201.120	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$700 \$500 \$20 \$2,500 \$20 <u>\$6,600</u> \$10,340	21-22 21-22 21-22 21-22 21-22 21-22		
	<u>Performance Measure</u> 0.0 Lane mile(s)						

Note: Split off mitigation and long term revegetation work for project EA 0Q280/PPNO 06-6661 under EA 0Q281/PPNO 06-6661A

42 07-LA-1 56.5/56.9 4498 0712000094 29140	In Malibu, from Guernsey Avenue to Trancas Canyon Road/Broad Beach Road. Replace bridge.	<del>18-19</del> 20-21 201.110	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$2,342 \$2,123 \$740 \$3,100 <del>\$30,000</del> <u>\$11,628</u> <del>\$49,933</del> \$54,933	Prior Prior Prior <del>18-19</del> 18-19 <del>18-19</del> 18-19	\$2,342 \$2,123 \$740 \$3,100 <b>\$35,000</b> <u>\$11,628</u> <b>\$54,933</b>	Prior Prior Prior <b>20-21</b> 18-19 <b>20-21</b>
	<u>Performance Measure</u> 1 Bridge(s)						

Note: Preliminary engineering and consultation with the Los Angeles Dept. of Public Works has determined that a longer bridge is needed to address storm flows. The longer bridge will require significantly more complex right of way which will take an estimated 24 months to acquire and can not be completed within the current schedule. The right of way capital costs are increased in anticipation of real estate price inflation.

**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
43 07-LA-10 <del>48.3/21.1</del> S0.4/21.1 4716 0714000058 30430	In the city of Los Angeles, from <del>Route 5 east of Cesar Chavez Overcrossing to State College Ramp Underpass west of Route 710</del> . Roadside safety improvements.	18-19 201.235	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$139 \$1,100 \$34 \$1,060 <del>\$30</del> <u>\$2,553</u> \$4,916	Prior Prior Prior 18-19 18-19 18-19 18-19	\$139 \$1,100 \$34 \$1,060 <b>\$48</b> <u>\$2,553</u> <b>\$4,934</b>	Prior Prior Prior 18-19 18-19 18-19 18-19
	<u>Performance Measure</u> 106 Location(s)						

Note: Increased funding is needed to field locate, by excavation (potholing), six underground utilities that are likely to conflict with the planned project work. The project limits changed to reflect the project's work areas.

44 07-LA-66 0.0/3.2 4744 0714000177 30650	In La Verne and Pomona, from Baseline Road to Towne Avenue. Construct and upgrade curb ramps and sidewalks to comply with Americans with Disabilities Act (ADA) Standards.	18-19 201.361	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$753 <del>\$2,500</del> <del>\$300</del> <del>\$2,000</del> <del>\$700</del> <u>\$2,900</u> \$9,153	Prior Prior Prior 18-19 18-19 18-19 18-19	\$753 <b>\$1,400</b> <b>\$50</b> <b>\$1,300</b> <b>\$50</b> <u>\$2,600</u> <b>\$6,153</b>	Prior Prior Prior 18-19 18-19 18-19 18-19
	<u>Performance Measure</u> <del>67 Curb ramp(s)</del> <b>42 Curb ramp(s)</b>						

Note: Five locations are being removed because they were determined to be not necessary or the locations were found to meet current standards. Twenty locations with complex right of way issues to be split from project EA 30650/PPNO 07-4744 to child EA 30651/PPNO 07-4745B.

45 07-LA-66 0.0/3.2 4745B 0718000285 30651	In La Verne and Pomona, from Baseline Road to Towne Avenue. Construct and upgrade curb ramps and sidewalks to comply with Americans with Disabilities Act (ADA) Standards.	21-22 201.361	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 <b>\$1,100</b> <b>\$250</b> <b>\$950</b> <b>\$819</b> <u>\$1,542</u> \$4,661			Prior Prior 21-22 21-22 <u>21-22</u>
	<u>Performance Measure</u> 20 Curb ramp(s)						

Note: Five locations are being removed because they were determined to be not necessary or the locations were found to meet current standards. Twenty locations with complex right of way issues to be split from project EA 30650/PPNO 07-4744 to child EA 30651/PPNO 07-4745B.

**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
46 07-LA-91 R13.9/R16.6 4714 0714000057 30410	In Long Beach, Bellflower and Cerritos, from 0.2 mile west of Downey Avenue Undercrossing to 0.2 mile east of San Gabriel River Bridge. Roadside safety improvements.	18-19 201.235	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$99 \$1,720 \$48 \$1,320 \$90 <u>\$3,601</u> \$6,878	Prior Prior Prior 18-19 18-19 18-19	\$99 \$1,720 \$48 \$1,320 \$90 <u>\$3,601</u> \$6,878	Prior Prior Prior 18-19 18-19 18-19
	<u>Performance Measure</u> <del>23</del> Location(s) <b>16 Location(s)</b>						

Note: The number of project locations is being reduced from 23 to 16 locations because other projects have recently completed some of the work originally included in this project. The construction cost estimate was recently updated and the cost of structural items increased by 20%. The cost difference brought the construction cost up to the originally estimated amount, despite the reduced number of locations.

47 07-LA-101 11.8/35.3 4770 0714000217 30750	In the cities of Los Angeles, Calabasas and Agoura Hills, from Route 170 to Kanan Road. Rehabilitate pavement, construct and upgrade Americans with Disabilities Act (ADA) curb ramps.	19-20 201.121	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$370 \$2,224 <del>\$1,244</del> \$1,607 \$2,389 <u>\$9,995</u> <del>\$16,709</del> <b>\$17,234</b>	Prior 18-19 18-19 19-20 19-20 19-20	\$370 \$2,224 <b>\$649</b> \$1,607 \$2,389 <u>\$9,995</u> <b>\$17,234</b>	Prior 18-19 18-19 19-20 19-20 19-20
	<u>Performance Measure</u> <del>0.1</del> Lane mile(s) <b>4.0 Lane mile(s)</b>						

Note: Increased funding is needed to field locate, by excavation (potholing), 14 underground utilities that are likely to conflict with the planned project work. A technical adjustment was made to correct a previous calculation error in project performance.

48 07-LA-101 20.0 4915 0715000277 31790	Near Encino, at Encino Pedestrian Overcrossing. Replace pedestrian overcrossing.	18-19 201.110	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,033 \$3,205 \$500 <del>\$1,361</del> \$1,067 <u>\$6,685</u> <del>\$13,851</del> <b>\$19,066</b>	Prior Prior Prior 18-19 18-19 18-19	\$1,033 \$3,205 \$500 <b>\$2,442</b> \$1,067 <u>\$10,819</u> <b>\$19,066</b>	Prior Prior Prior 18-19 18-19 18-19
	<u>Performance Measure</u> 1 Bridge(s)						

Note: Preliminary engineering has identified utility conflicts that has required changes to the pedestrian overcrossing superstructure and ramp designs that are more costly than the original design assumptions. The updated construction cost estimate has also increased based upon more recent construction contract bid results (the construction cost index). Due to the increased complexity of construction staging and other work items, the estimated duration of the construction contract has increased significantly which will in turn increase the construction support costs.

**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
49 07-LA-107 0.0/4.8 4749 <del>0714000198</del> <b>0718000317</b> <del>30700</del> <b>30701</b>	In Torrance, from Route 1 to Redondo Beach Boulevard. Construct curb ramps and reconstruct driveways/sidewalks to meet Americans with Disabilities Act (ADA) Standards.  <u>Performance Measure</u> 107 Curb ramp(s) <b>69 Curb ramp(s)</b>	18-19 201.361	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$961 <del>\$2,553</del> <del>\$1,223</del> <del>\$2,508</del> <del>\$1,055</del> <del>\$4,546</del> \$12,846	Prior Prior Prior 18-19 18-19 18-19	\$961 <b>\$1,839</b> <b>\$979</b> <b>\$2,208</b> <b>\$2,250</b> <b>\$3,146</b> <b>\$11,383</b>	Prior Prior Prior 18-19 18-19 18-19
<p>Note: This project will reconstruct curb ramps to meet Americans with Disabilities Act (ADA) requirements; 38 of the 107 locations will be delivered under a separate contract on a later schedule due to right of way which will be difficult to acquire. Preliminary engineering has determined that there are more utility conflicts that previously estimated and this is increasing the construction and right of way costs. Parent EA 30700/PPNO 07-4749 to be split into two child projects, EA 30701/PPNO 07-4749 and EA 30702/PPNO 07-4749B.</p>							
50 07-LA-107 0.0/4.8 4749B 0718000318 30702	In Torrance, from Route 1 to Redondo Beach Boulevard. Construct curb ramps and reconstruct driveways/sidewalks to meet Americans with Disabilities Act (ADA) Standards.  <u>Performance Measure</u> 38 Curb ramp(s)	21-22 201.361	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 <del>\$714</del> <del>\$244</del> <del>\$1,100</del> <del>\$1,350</del> <del>\$1,850</del> \$5,258	Prior Prior 21-22 21-22 21-22		
<p>Note: This project will reconstruct curb ramps to meet Americans with Disabilities Act (ADA) requirements; 38 of the 107 locations will be delivered under a separate contract on a later schedule due to right of way which will be difficult to acquire. Preliminary engineering has determined that there are more utility conflicts that previously estimated and this is increasing the construction and right of way costs. Parent EA 30700/PPNO 07-4749 to be split into two child projects, EA 30701/PPNO 07-4749 and EA 30702/PPNO 07-4749B.</p>							
51 07-LA-110 13.4/23.1 3279 0714000081 23830	In the city of Los Angeles, from 120th Street to 3rd Street at various locations. Construct gross solid removal devices, biofiltration devices and detention basin.  <u>Performance Measure</u> 30.8 Acre(s) treated/pollutant	18-19 201.335	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$740 <del>\$1,855</del> <del>\$30</del> <del>\$2,234</del> <del>\$40</del> <del>\$11,000</del> \$15,869	Prior 18-19 18-19 18-19 18-19 18-19	\$740 <b>\$1,855</b> <b>\$82</b> <b>\$2,234</b> <b>\$148</b> <b>\$11,000</b> <b>\$16,059</b>	Prior 18-19 18-19 18-19 18-19 18-19
<p>Note: Increase in R/W support and capital due to newly identified utility conflicts and potholing needs for underground utilities.</p>							

**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
52 07-LA-138 0.0/36.9 4804 071500001 31040	Near Gorman and Lancaster, from Route 5 to Route 14. Rehabilitate pavement.  <u>Performance Measure</u> 77.0 Lane mile(s)	18-19 201.121	PA&ED	\$510	Prior	\$510	Prior
			PS&E	\$1,810	Prior	\$1,810	Prior
			R/W Sup	\$22	Prior	\$22	Prior
			Con Sup	\$2,115	18-19	\$3,550	18-19
			R/W Cap	\$128	18-19	\$128	18-19
			<u>Const Cap</u>	<u>\$21,879</u>	18-19	<u>\$21,879</u>	18-19
			Total	\$26,464		\$27,899	

Note: Preliminary plans have been developed, and based on the updated estimate of the complexity of construction contract work, additional construction administration funding is needed

53 07-LA-213 0.0/8.0 4743 0714000178 30660	In the cities of Rancho Palos Verdes, Lomita and Los Angeles, from W 25th Street to W Carson Street at various locations. Upgrade curb ramps, sidewalks and driveways to meet Americans with Disabilities Act (ADA) Standards.  <u>Performance Measure</u> 188 Curb ramp(s) 132 Curb ramp(s)	18-19 201.361	PA&ED	\$1,087	Prior	\$1,087	Prior
			PS&E	<del>\$3,500</del>	Prior	\$1,800	Prior
			R/W Sup	<del>\$750</del>	Prior	\$50	Prior
			Con Sup	<del>\$3,500</del>	18-19	\$2,700	18-19
			R/W Cap	<del>\$2,300</del>	18-19	\$50	18-19
			<u>Const Cap</u>	<u>\$4,500</u>	18-19	<u>\$3,100</u>	18-19
			Total	\$15,637		\$8,787	

Note: This project will reconstruct curb ramps to meet Americans with Disabilities Act (ADA) requirements. The number of locations is being reduced due to: 1) locations already reconstructed by private property owners, 2) locations which have been determined to be outside the state's right of way, 3) locations that will be delivered under a separate contract on a later schedule due to right of way which will be difficult to acquire. Parent EA 30660/PPNO 07-4743 to be split into child project, EA 30661/PPNO 07-4743B.

54 07-LA-213 0.0/8.0 4743B 0718000286 30661	In the cities of Rancho Palos Verdes, Lomita and Los Angeles, from W 25th Street to W Carson Street at various locations. Upgrade curb ramps, sidewalks and driveways to meet Americans with Disabilities Act (ADA) Standards.  <u>Performance Measure</u> 70 Curb ramp(s)	21-22 201.361	PA&ED			\$0	
			PS&E			\$1,700	Prior
			R/W Sup			\$700	Prior
			Con Sup			\$1,200	21-22
			R/W Cap			\$2,834	21-22
			<u>Const Cap</u>			<u>\$1,779</u>	<u>21-22</u>
			Total			\$8,213	

Note: This project will reconstruct curb ramps to meet Americans with Disabilities Act (ADA) requirements. The number of locations is being reduced due to: 1) locations already reconstructed by private property owners, 2) locations which have been determined to be outside the state's right of way, 3) locations that will be delivered under a separate contract on a later schedule due to right of way which will be difficult to acquire. Parent EA 30660/PPNO 07-4743 to be split into child project, EA 30661/PPNO 07-4743B.

## List of 2018 SHOPP Amendments (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
55 07-LA-605 R0.0/26.0 4819 0715000016 31190	In various cities, from Orange County line to Route 210; also on Route 2 at the Transportation Management Center (TMC) (PM R18.7) and Route 5 (PM 6.8). Upgrade Transportation Management System (TMS).	18-19 201.315	PA&ED	\$20	Prior	\$20	Prior
			PS&E	\$2,299	Prior	\$2,299	Prior
			R/W Sup	\$2	Prior	\$2	Prior
			Con Sup	<del>\$2,490</del>	18-19	<b>\$3,220</b>	18-19
			R/W Cap	\$0		\$0	
			<u>Const Cap</u>	<u>\$10,562</u>	18-19	<b>\$11,618</b>	18-19
			Total	<del>\$15,373</del>		<b>\$17,159</b>	
<u>Performance Measure</u>	115 Field element(s)						
<p>Note: Additional construction capital is needed to repair additional conduit and wiring that has recently been discovered to be corroded and damaged. The additional work will also increase the cost to administer the construction contract.</p>							
56 07-Ven-101 <del>R36.7/R40.3</del> <b>R36.3/R40.6</b> 4687 0713000488 30240	Near Sea Cliff, from <b>0.4 mile south of</b> Padre Juan Canyon Road Overcrossing to <b>0.3 mile north of</b> Punta Gorda Pedestrian Undercrossing. Rehabilitate roadway.	19-20 201.122	PA&ED	\$100	Prior	\$100	Prior
			PS&E	<del>\$1,700</del>	18-19	<b>\$3,300</b>	18-19
			R/W Sup	\$200	18-19	\$200	18-19
			Con Sup	<del>\$2,100</del>	19-20	<b>\$6,000</b>	19-20
			R/W Cap	<del>\$70</del>	19-20	<b>\$150</b>	19-20
			<u>Const Cap</u>	<u>\$19,270</u>	19-20	<b>\$42,500</b>	19-20
			Total	<del>\$23,440</del>		<b>\$52,250</b>	
<u>Performance Measure</u>	21.6 Lane mile(s)						
<p>Note: Preliminary engineering work has determined that the proposed asphalt concrete overlay will be cost prohibitive due to significant expenses resulting from shoulder and barrier work necessary in accommodating the raised highway profile. Instead, the existing concrete pavement will be removed and replaced. While this strategy is more costly it will result in a pavement life of 40 years instead of the original 20 years.</p>							
57 08-Riv-15 <del>R0.0/3.0</del> R0.0/3.1 3003K 0815000231 1F141	In and near Temecula, <b>in Riverside County</b> , from <b>the San Diego county line Rainbow Valley Boulevard to Front Street north of Temecula River Bridge; also in San Diego County from 0.1 mile south of the Riverside County line to the Riverside County line.</b> Rehabilitate roadway.	19-20 201.122	PA&ED	\$1,014	Prior	\$1,014	Prior
			PS&E	\$1,200	Prior	\$1,200	Prior
			R/W Sup	\$10	Prior	\$10	Prior
			Con Sup	\$5,181	19-20	\$5,181	19-20
			R/W Cap	\$10	19-20	\$10	19-20
			<u>Const Cap</u>	<u>\$34,890</u>	19-20	<b>\$34,890</b>	19-20
			Total	\$42,305		\$42,305	
<u>Performance Measure</u>	24.0 Lane mile(s)						
<p>Note: Adjusted post mile limits to construct a wildlife fence. The wildlife fence is to prevent mountain lions and other wildlife from crossing the roadway.</p>							



**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
58 08-Riv-60 R0.0/22.3 0022K 0815000163 1F371	In the cities of Eastvale, Jurupa Valley, Riverside and Moreno Valley, from Hamner Avenue to Gilman Spring Road; also on Route 91, from Route 15 to Madison Street. Replace existing guide signs with retro-reflective sheeting.	19-20 201.170	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$125 <del>\$260</del> \$15 <del>\$210</del> \$10 <u>\$1,592</u> \$2,212	Prior 18-19 18-19 19-20 19-20 19-20 19-20	\$125 <b>\$430</b> \$15 <b>\$450</b> \$10 <b>\$2,818</b> <b>\$3,848</b>	Prior 18-19 18-19 19-20 19-20 19-20 19-20
	<u>Performance Measure</u> 224 Sign(s) <b>190 Sign(s)</b>						
<p>Note: Increase in support and construction costs related to increases in the cost of replacing signs with the retroreflective signs and for the removal of the catwalks and lighting on the sign structures. There were 31 signs eliminated from the project but there is still an increase in support costs because current costs are higher than what was programmed and the work of removing the catwalks and lighting was not included in the PID.</p>							
59 08-SBd-15 R20.6/R20.9 3006U 0817000032 1H390	Near Hesperia, from <b>0.6 mile north of</b> Cleghorn Road Undercrossing to <b>0.5 mile south of</b> Route 138 at the southbound Cajon Truck Facility; <b>also from Cajon Summit to Oak Hill Road Overcrossing.</b> Reconstruct southbound truck scale that was destroyed by the Blue Cut Fire.	<del>18-19</del> <b>20-21</b> <del>201.134</del> <b>201.321</b>	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$286 \$488 \$20 \$550 \$10 <u>\$2,146</u> \$3,500	Prior <del>18-19</del> <del>18-19</del> <del>18-19</del> <del>18-19</del> <del>18-19</del> <del>18-19</del>	\$286 \$488 \$20 \$550 \$10 <u>\$2,146</u> \$3,500	Prior <b>20-21</b> <b>20-21</b> <b>20-21</b> <b>20-21</b> <b>20-21</b> <b>20-21</b>
	<u>Performance Measure</u> 1 Location(s)						
<p>Note: The proposed change is to delay the project by 2 years to study an additional site for the reconstruction of the Cajon Pass Truck Scale facility. The existing facility is located on a steep upgrade and a flatter grade if preferred for the truck scales. The additional time is needed for the environmental studies at the new site.</p>							
60 08-SBd-38 47.5/59.4 0205C 0812000111 0G800	Near Big Bear Lake, from Zaca Road to Route 18. Replace culverts.	19-20 201.151	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$600 <del>\$1,040</del> <del>\$1,900</del> <del>\$800</del> <del>\$697</del> <u>\$2,397</u> <del>\$7,434</del>	Prior 18-19 18-19 19-20 19-20 19-20 19-20	\$600 <b>\$1,730</b> <b>\$2,822</b> <b>\$1,029</b> <b>\$868</b> <b>\$3,580</b> <b>\$10,629</b>	Prior 18-19 18-19 19-20 19-20 19-20 19-20
	<u>Performance Measure</u> 43 Culvert(s)						
<p>Note: Recent survey data indicated additional grading/earthwork is needed that was not mentioned in the PID leading to an increased cost for additional design effort and construction support and capital cost. Additional right of way is needed for culverts extending beyond the existing right of way and there has been an increase in the permit costs for this project.</p>							

**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code	Project Costs (\$1,000)				
61 08-SBd-40 R75.0/R100.0 3001R 0812000025 0R150	Near Essex, from west of Kelbaker Road to Essex Road. Regrade and flatten median cross slope.  <u>Performance Measure</u> <del>150 Collision(s) reduced</del> <b>281 Collision(s) reduced</b>	18-19 201.015	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$3,000 \$2,500 \$200 \$3,200 \$5,010 <del>\$21,178</del> \$35,088	Prior 18-19 18-19 18-19 18-19 18-19 18-19	\$3,000 \$2,500 \$200 \$3,200 \$5,010 <del>\$21,178</del> \$38,430	Prior 18-19 18-19 18-19 18-19 18-19 18-19

Note: Increase in construction capital due to more accurate quantities and updated unit prices using current data from similar recently bid projects. The project is also in a remote location so hauling material costs, water source and mobilization costs also increased. There was an error in the calculation of the reduction in collisions, this was corrected.

62 08-SBd-60 R0.0/R9.9 0178P 0815000160 1F361	In Pomona, Chino and Ontario, from Los Angeles County line to Riverside County line. Replace existing signs with retro-reflective sheeting.  <u>Performance Measure</u> <del>68 Sign(s)</del> <b>79 Sign(s)</b>	19-20 201.170	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$125 <del>\$289</del> \$12 <del>\$250</del> \$10 <del>\$1,271</del> \$1,957	Prior 18-19 18-19 19-20 19-20 19-20 19-20	\$125 <b>\$436</b> \$12 <b>\$350</b> \$10 <b>\$1,364</b> <b>\$2,297</b>	Prior 18-19 18-19 19-20 19-20 19-20 19-20
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Note: Increase in support and construction costs related to increases in the cost of replacing signs with the retroreflective signs. There were also 11 additional signs added to the project. The cost of removing the catwalks and lighting on the sign structures was not accounted for in the PID.

63 08-SBd-62 121.5/142.7 3004A 0816000003 1F133	Near Vidal, from 3.8 miles west of Route 95 to Arizona State line. Rehabilitate pavement and upgrade guardrail.  <u>Performance Measure</u> 42.4 Lane mile(s)	19-20 201.121	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$400 <del>\$515</del> \$87 \$2,660 \$65 <del>\$11,314</del> \$15,041	Prior 18-19 18-19 19-20 19-20 19-20 19-20	\$400 <b>\$1,050</b> \$87 \$2,660 <b>\$100</b> <b>\$11,314</b> <b>\$15,611</b>	Prior 18-19 18-19 19-20 19-20 19-20 19-20
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Note: The pavement strategy was changed from cold-in-place recycling to a full depth reclamation strategy to provide a pavement with twice the service life. The increase in support is due the additional design effort for the full depth reclamation and the R/W capital increase is due to environmental and storm water design requirements, as well as permit costs.

**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
64 08-SBd-95 9.7/33.6 3002V 0815000211 1F131	Near Needles, from Route 62 to south of Havasu Lake Road. Rehabilitate pavement.  <u>Performance Measure</u> 47.8 Lane mile(s)	19-20 201.121	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$450 <del>\$320</del> <del>\$10</del> \$1,500 <del>\$65</del> <u>\$9,567</u> \$11,912	Prior 18-19 18-19 19-20 19-20 19-20 19-20	\$450 <b>\$640</b> <b>\$85</b> \$1,500 <b>\$100</b> <u>\$9,567</u> <b>\$12,342</b>	Prior 18-19 18-19 19-20 19-20 19-20

Note: Cost increase due to new environmental requirements, including a complete Initial Study document, as well as additional storm water design requirements. Permit requirements and coordination with resource agencies increase the cost of PS&E support, R/W support and R/W capital.

65 08-SBd-95 64.5/80.5 3003Y 0815000212 1F132	Near Needles, from Goffs Road to Nevada State line. Rehabilitate pavement.  <u>Performance Measure</u> 32.0 Lane mile(s)	19-20 201.121	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$200 <del>\$150</del> <del>\$10</del> \$690 <del>\$65</del> <u>\$4,389</u> \$5,504	Prior 18-19 18-19 19-20 19-20 19-20 19-20	\$200 <b>\$650</b> <b>\$95</b> \$690 <b>\$100</b> <u>\$4,389</u> <b>\$6,124</b>	Prior 18-19 18-19 19-20 19-20 19-20
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Note: Cost increase due to new environmental requirements, including a complete Initial Study document, as well as additional storm water design requirements. Permit requirements and coordination with resource agencies increase the cost of PS&E support, R/W support and R/W capital.

66 09-Iny-178 <del>43.4/44.2</del> 43.4 0653 0915000002 36340	Near Shoshone, <del>from</del> <b>at 0.5 mile</b> east of Route 127 to Chicago Valley Road. Replace and install culverts.  <u>Performance Measure</u> <del>3 Culvert(s)</del> <b>2 Culvert(s)</b>	19-20 201.151	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$405 \$620 \$150 \$405 \$800 <u>\$2,210</u> \$4,590	Prior Prior Prior 19-20 19-20 19-20 19-20	\$405 \$620 \$150 \$405 \$800 <u>\$2,210</u> \$4,590	Prior Prior Prior 19-20 19-20 19-20
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Note: Remove one location due to environmental impacts and provide additional embankment improvement at downstream culvert location as a result of removed location. Update performance measures from three locations to two locations.

## List of 2018 SHOPP Amendments (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code	Project Costs (\$1,000)				
67 09-Ker-14 <del>R5.7/R12.6</del> <b>R4.7/R12.6</b> 2633 0916000025 36740	In <b>and near</b> Rosamond and Mojave, from <del>0.5 mile</del> <b>1.4 miles</b> south of Dawn Road Overcrossing (OC) to 0.5 mile north of Silver Queen Road OC. Rehabilitate lanes and ramps by replacing slabs and grinding lane 1, construct Continuous Reinforced Concrete Pavement (CRCP) lane 2, cold plane and overlay ramps with Rubberized Hot Mix Asphalt (RHMA-G). Replace guardrail, construct rumble strip, replace signs using retroreflective sheeting, and refresh pavement delineation.	19-20 201.122	PA&ED PS&E R/W Sup * Con Sup R/W Cap * <u>Const Cap</u> Total	\$370 \$1,460 <del>\$190</del> \$3,010 \$22 <u>\$40,515</u> <del>\$45,567</del>	Prior 18-19 18-19 19-20 18-19 19-20	\$370 \$1,460 <b>\$250</b> \$3,010 \$22 <u>\$40,515</u> <b>\$45,627</b>	Prior 18-19 18-19 19-20 18-19 19-20
	(G13 Contingency)						
	<u>Performance Measure</u> <del>27.6 Lane mile(s)</del> <b>31.6 Lane mile(s)</b>						
	* Phase NOT Authorized.						
	Note: Modify pavement rehabilitation begin post mile limit due to deteriorated slabs and update performance measure; increased R/W support for survey control.						
68 10-Mer-152 Var 3122 1012000316 0G830	In Merced County, on Routes 152, 140, and 59 at various locations. Seismic retrofit and bridge rail upgrade of seven bridges.  <u>Performance Measure</u> 7 Bridge(s)	19-20 201.113	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$982 \$649 \$19 \$1,984 \$416 <u>\$6,530</u> \$10,580	Prior <del>18-19</del> <del>18-19</del> 19-20 19-20 19-20 19-20	\$982 \$649 \$19 \$1,984 \$416 <u>\$6,530</u> \$10,580	Prior <b>19-20</b> <b>19-20</b> 19-20 19-20 19-20
	Note: Move PS&E and R/W program year to FY 19-20 in order to evaluate design strategy (during PA&ED phase) at two bridge locations that are susceptible to liquefaction.						
69 10-SJ-88 22.1 3207 1016000031 1E531	Near Clements, at Liberty Road. Improve intersection.  <u>Performance Measure</u> <del>48 Collision(s) reduced</del> <b>36 Collision(s) reduced</b>	19-20 201.010	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$434 \$1,400 \$460 \$1,200 <del>\$715</del> <u>\$5,500</u> <del>\$9,709</del>	Prior 18-19 18-19 19-20 19-20 19-20	\$434 \$1,400 \$460 \$1,200 <b>\$850</b> <u>\$5,500</u> <b>\$9,844</b>	Prior 18-19 18-19 19-20 19-20 19-20
	Note: Increase in R/W capital due to the updated mitigation cost estimate for endangered species and update performance measure with the selection of the the roundabout alternative.						

**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
70 10-SJ-99 17.2 3148 1013000265 0X310	In Stockton, at Route 4/99 Separation (Farmington Road) Bridge No. 29-0155. Replace structure to provide standard vertical clearance.  <u>Performance Measure</u> 1 Bridge(s)	19-20 201.322	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$673 \$2,092 \$147 \$1,984 <del>\$115</del> <u>\$5,776</u> \$10,787	Prior Prior Prior 19-20 19-20 19-20 19-20	\$673 \$2,092 \$147 \$1,984 <b>\$298</b> <u>\$5,776</u> <b>\$10,970</b>	Prior Prior Prior 19-20 19-20 19-20 19-20

Note: Increase in R/W capital is needed to acquire additional parcels to fulfill the County's request for maintenance access.

71 10-SJ-99 21.7 3206 1016000022 1C880	Near Stockton, at Wilson Way Overcrossing No. 29 -0118C. Remove existing damaged girder and build new overhang and barrier, resulting in reduced bridge width and increased vertical clearance.  <u>Performance Measure</u> 1 Bridge(s)	18-19 201.119	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$172 \$562 \$7 \$420 \$4 <del>\$1,170</del> \$2,335	Prior Prior Prior 18-19 18-19 18-19 18-19	\$172 \$562 \$7 \$420 \$4 <b>\$1,532</b> <b>\$2,697</b>	Prior Prior Prior 18-19 18-19 18-19 18-19
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Note: Update construction capital due to increased quantities for bridge rail, paint, and traffic enforcement during construction.

72 10-SJ-99 30.9/31.3 3145 1014000134 1C280	In Lodi, from south of Route 12 (Victor Road) to south of Turner Road. Realign northbound onramp, increase bridge vertical clearance and construct auxiliary lane.  <u>Performance Measure</u> 158.2 Daily vehicle hour(s) of delay (DVHD)	18-19 201.310	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$910 \$1,417 <del>\$75</del> \$2,199 <del>\$92</del> <u>\$11,110</u> <del>\$15,803</del>	Prior 18-19 18-19 18-19 18-19 18-19 18-19	\$910 \$1,417 <b>\$339</b> \$2,199 <b>\$389</b> <u>\$11,110</u> <b>\$16,364</b>	Prior 18-19 18-19 18-19 18-19 18-19 18-19
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Note: Update R/W support and capital due to additional construction easements and utility relocations not previously identified.

**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
73 10-SJ-205 R4.5/R9.0 3146 1014000146 1C330	In Tracy, from Byron Road Undercrossing to Paradise Road Overcrossing. Install ramp meters and other Intelligent Transportation System (ITS) elements.  <u>Performance Measure</u> 14 Field element(s)	20-21 201.315	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,057 <del>\$2,512</del> \$979 \$2,831 \$4,830 <u>\$13,257</u> \$25,466	Prior 18-19 18-19 20-21 20-21 20-21 20-21	\$1,057 <b>\$3,500</b> \$979 \$2,831 \$4,830 <u>\$13,257</u> <b>\$26,454</b>	Prior 18-19 18-19 20-21 20-21 20-21

Note: Additional design resources needed due to increased retaining walls, sound wall reconstruction, drainage basins, and increased merge length needed to construct ramp meters.

74 10-Sta-108 <del>33.2</del> 33.1/33.4 5411 1012000193 0H480	In and near Riverbank, <b>at from west of 8th Street to east of Claus Road.</b> Repair slope with <del>retaining wall.</del> <b>barrier slab on piles.</b>  <u>Performance Measure</u> 2 Location(s)	18-19 201.150	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$1,439 \$98 <del>\$631</del> \$52 <u>\$1,824</u> \$4,044		\$0 \$1,439 \$98 <b>\$752</b> <b>\$59</b> <u>\$4,100</u> <b>\$6,448</b>	Prior Prior 18-19 18-19 18-19
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Note: Update construction support, construction capital, R/W capital cost due to change in design strategy from soldier pile wall to barrier slab on piles. This is due to continued erosion of the roadway slope adjacent to the river bank.

75 10-Sta-108 Var 3010B 1017000155 0W902	Near Riverbank, at 2nd Street and 4th Street. Upgrade curb ramps, sidewalk and crosswalks.  <u>Performance Measure</u> 6 Curb ramp(s)	18-19 201.361	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$715 \$180 <del>\$200</del> \$87 <u>\$310</u> \$1,492		\$0 \$715 \$180 <b>\$300</b> \$87 <u>\$530</u> <b>\$1,812</b>	Prior Prior 18-19 18-19 18-19
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Note: Update construction capital due to increased quantities for electrical, traffic, and drainage improvements. Update construction support to account for additional working days to complete above mentioned work.

**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
76 11-SD-8 2.2 1256 1116000045 26410	In the city of San Diego, at the east Route 8 to south Route 163 Connector Overcrossing No. 57 -0355G. Bridge rail replacement.  <u>Performance Measure</u> 318.0 Linear feet	20-21 201.112	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$374 \$969 \$0 \$848 <del>\$426</del> <del>\$1,441</del> \$4,058	18-19 19-20  20-21 <del>19-20</del> 20-21	\$374 \$969 \$0 \$848 <b>\$0</b> <b>\$1,867</b> \$4,058	18-19 19-20  20-21  20-21

Note: The change is to re-balance the R/W capital and the construction capital costs. Right of way capital is decreasing and construction capital is increasing by the same amount resulting in a net zero change. This corrects an clerical error where the structure estimate was input as R/W capital by accident.

77 11-SD-8 2.8/5.0 1165 1114000118 41131	In the city of San Diego, from east of Route 163 to east of Route 805; also on Route 805, from north of Adams Avenue to south of Route 8 (PM 17.3/17.5). Roadside safety improvements.  <u>Performance Measure</u> 48 Location(s)	18-19 201.235	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$603 <del>\$2,167</del> \$3 <del>\$770</del> \$3 <del>\$5,209</del> \$8,755	Prior 18-19 18-19 18-19 18-19 18-19	\$603 <b>\$1,700</b> \$3 <b>\$1,033</b> \$3 <u>\$5,209</u> <b>\$8,551</b>	Prior 18-19 18-19 18-19 18-19
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Note: The change in support costs is to re-balance the support costs between four projects that were programmed with one PID in June 2015. The support cost re-balancing results in a net zero cost change and moves the support dollars needed for each project.

78 11-SD-8 5.0/6.0 1166 1115000132 41132	In the city of San Diego, <del>from east of Route 805 to east of Route 15; also on Route 15 from north of Adams Avenue to north of Route 8 (PM M5.8/R6.3)</del> <b>at Route 15/8 Separation.</b> Roadside safety improvements.  <u>Performance Measure</u> <del>25 Location(s)</del> <b>24 Location(s)</b>	18-19 201.235	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$371 \$1,330 \$2 <del>\$474</del> \$3 <del>\$3,278</del> \$5,458	Prior Prior 18-19 18-19 18-19 18-19	\$371 \$1,330 \$2 <b>\$800</b> \$3 <u>\$3,278</u> <b>\$5,784</b>	Prior Prior 18-19 18-19 18-19
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Note: A Roadside safety improvements project (EA 41130), identified in the project initiation document to be split into four individual project EAs, requires re-balancing of the programmed PS&E and Construction support costs between the projects (EA 41131/PPNO 11-1165, EA 41132/PPNO 11-1166, EA 41133/PPNO 11-1167 and 41134/PPNO 11-1168) resulting in a net-zero cost change. The Performance Output is now 15 due to 4 gore paving areas being re-evaluated as adequate and/or having conflicting facilities, as well as a concrete barrier location that did not meet placement warrants.

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Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
79 11-SD-8 6.0/12.0 1167 1115000133 41133	In the city of San Diego and La Mesa, from west of Mission Gorge Road to west of Route 125. Roadside safety improvements.	19-20 201.235	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$565 <del>\$2,029</del> \$3 <del>\$724</del> \$3 <u>\$4,959</u> <del>\$8,280</del>	Prior 18-19 18-19 19-20 19-20 19-20 19-20	\$565 <b>\$1,500</b> \$3 <b>\$925</b> \$3 <u>\$4,959</u> <b>\$7,955</b>	Prior 18-19 18-19 19-20 19-20 19-20 19-20
	<u>Performance Measure</u> 64 Location(s)						

Note: The change in support costs is to re-balance the support costs between four projects that were programmed with one PID in June 2015. The support cost re-balancing results in a net zero cost change and moves the support dollars needed for each project.

80 11-SD-8 R23.0/R61.3 1194 1115000178 42210	In San Diego County, from 0.7 mile west of Flinn Springs Road Undercrossing to 0.2 mile east of Crestwood Road Undercrossing. Rehabilitate culverts and energy dissipaters.	<del>19-20</del> <b>20-21</b> 201.151	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	<del>\$1,077</del> <del>\$2,346</del> <del>\$519</del> <del>\$2,836</del> <del>\$75</del> <u>\$11,773</u> <del>\$18,626</del>	Prior 18-19 18-19 19-20 19-20 19-20 19-20	<b>\$845</b> <b>\$1,246</b> <b>\$319</b> <b>\$1,636</b> <b>\$50</b> <u><b>\$6,573</b></u> <b>\$10,669</b>	Prior 18-19 18-19 20-21 20-21 20-21 20-21
	<u>Performance Measure</u> <del>43 Drainage system(s)</del> <b>14 Culvert(s)</b>						

Note: The proposed change will keep 14 culverts under EA 42210/PPNO 11-1194. Additional review and coordination with the Bureau of Indian Affairs to obtain permits for the drainage work is causing a delay. Thirteen culverts are being split into project EA 42211/PPNO 11-1332, and will be delivered per the original schedule. No locations are being removed, the initial performance of 43 should have been entered as 27.

81 11-SD-8 R25.1/R40.1 1332 1118000219 42211	In San Diego County, from 0.6 mile west of Harbison Canyon Undercrossing to 0.4 mile east of Horsethief Road Undercrossing. Rehabilitate culverts.	<b>19-20</b> <b>201.151</b>	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	<b>\$232</b> <b>\$1,100</b> <b>\$200</b> <b>\$1,200</b> <b>\$25</b> <u><b>\$5,200</b></u> <b>\$7,957</b>	<b>Prior</b> <b>18-19</b> <b>18-19</b> <b>19-20</b> <b>19-20</b> <b>19-20</b>	<b>Prior</b> <b>18-19</b> <b>18-19</b> <b>19-20</b> <b>19-20</b> <b>19-20</b>
	<u>Performance Measure</u> <b>13 Culvert(s)</b>					

Note: The proposed change will keep 14 culverts under EA 42210/PPNO 11-1194. Additional review and coordination with the Bureau of Indian Affairs to obtain permits for the drainage work is causing a delay. Thirteen culverts are being split into project EA 42211/PPNO 11-1332, and will be delivered per the original schedule. No locations are being removed, the initial performance of 43 should have been entered as 27.



**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
82 11-SD-Var 78 0-0 38.9/46.8 1134 1114000063 41820	In San Diego County, on various routes at various locations. <b>Near Ballena, from 3.4 miles east of Route 67 to 4.3 miles west of Route 79.</b> Culvert rehabilitation.	18-19 <b>19-20</b> 201.151	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$568 \$988 \$418 \$718 \$483 <u>\$2,646</u> \$5,821	Prior 18-19 18-19 <del>18-19</del> 18-19 18-19 <del>18-19</del>	\$568 \$988 \$418 \$718 \$483 <u>\$2,646</u> \$5,821	Prior 18-19 18-19 <b>19-20</b> 18-19 <b>19-20</b>
	<u>Performance Measure</u> 7 Culvert(s)						

Note: Previously scoped culverts on Route 79 are being replaced by other projects, so additional poor culverts on Route 78 were added to this project, keeping the total at 7 culverts. Additional time is needed for acquisition of right of way easements, and construction will need to be moved from FY 18-19 to FY 19-20. The project description is being updated to match the revised scope.

83 11-SD-78 2.5/2.7 2.5/2.9 1125 1114000027 41740	In Oceanside, from 0.8 mile to <del>0.6</del> <b>0.4</b> mile west of College Boulevard. Stormwater mitigation and slope erosion repair.	18-19 201.335	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$276 \$651 \$50 \$984 \$120 <u>\$3,547</u> \$5,628	Prior Prior Prior 18-19 18-19 18-19	\$276 \$651 \$50 \$984 \$120 <u>\$3,547</u> \$5,628	Prior Prior Prior 18-19 18-19 18-19
	<u>Performance Measure</u> 4.3 Acre(s) treated/pollutant						

Note: The change is a project description and post mile update to accommodate the connection of a water line within the City of Oceanside right of way and outside of a private parcel.

84 11-SD-Var 1168 1115000134 41134	In San Diego County, on <b>Routes 8 and 125</b> various routes at various locations. Construct maintenance vehicle pullouts, pave areas beyond the gore, upgrade crash cushions, reduce maintenance intensive landscaping and relocate irrigation controls.	18-19 201.235	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$409 \$1,469 \$2 \$522 \$3 <u>\$3,618</u> <del>\$6,023</del>	Prior Prior 18-19 18-19 18-19 18-19	\$409 \$1,469 \$2 <b>\$725</b> \$3 <u>\$3,618</u> <b>\$6,226</b>	Prior Prior 18-19 18-19 18-19 18-19
	<u>Performance Measure</u> <del>24 Location(s)</del> <b>15 Location(s)</b>						

Note: A Roadside safety improvements project (EA 41130), identified in the project initiation document to be split into four individual project EAs, requires re-balancing of the programmed PS&E and Construction support costs between the projects (EA 41131/PPNO 11-1165, EA 41132/PPNO 11-1166, EA 41133/PPNO 11-1167 and 41134/PPNO 11-1168) resulting in a net-zero cost change. The Performance Output is has reduced because some areas were determined to be adequate, and other areas having conflicting roadway facilities.

**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
85 12-Ora-55 10.7	In Tustin, on the 4th Street northbound offramp. Modify traffic signals and install additional lighting.	18-19 201.010	PA&ED PS&E	\$100 \$427	Prior Prior	\$100 \$427	Prior Prior
3510 1214000073 0N630	<u>Performance Measure</u> 11 Collision(s) reduced		R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 <del>\$318</del> \$111 <del>\$646</del> \$1,502	18-19 18-19 <del>18-19</del> 18-19	\$0 <b>\$380</b> <b>\$0</b> <b>\$772</b> <b>\$1,679</b>	18-19 18-19 18-19

Note: Preliminary engineering work has identified additional curb ramps that must be reconstructed to meet the Americans with Disabilities Act (ADA) requirements. The construction costs have been increased accordingly.

86 12-Ora-91 R9.8/R18.9 4609B 1213000196 0N320	In the city of Anaheim, from west of Lakeview Avenue to Orange/Riverside County line. Pavement rehabilitation. <u>Performance Measure</u> 90.0 Lane mile(s)	18-19 201.121	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$1,740 \$0 <del>\$1,740</del> \$0 <del>\$5,750</del> \$9,230	Prior 18-19 18-19	\$0 \$1,740 \$0 <b>\$2,450</b> <b>\$10</b> <b>\$11,000</b> <b>\$15,200</b>	Prior 18-19 18-19 18-19
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Note: This project will restore portland concrete pavement to a state of good repair. The truck lanes are deteriorating faster than anticipated and a greater number of slabs will need to be replaced. It will be most cost effective to increase the amount of pavement work within this project instead of deferring to a later project. This increased work will increase the construction support and capital costs. Right of way costs are increasing for utility location work.

87 12-Ora-133 <del>3-4/13-6</del> <b>R3.9/13.6</b> 4795A 1214000077 0N660	In and near Laguna Beach and Irvine, from <b>north</b> of El Toro Road to Route 241. Flatten steep embankments, replace and upgrade guardrail and terminal systems, install thrie-beam median barrier and replace K-rail with concrete barrier. <u>Performance Measure</u> 63 Collision(s) reduced	18-19 201.015	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$830 \$1,943 \$70 \$2,165 \$0 <u>\$9,500</u> \$14,508	Prior Prior Prior 18-19 18-19	\$830 \$1,943 \$70 \$2,165 \$0 <u>\$9,500</u> \$14,508	Prior Prior Prior 18-19 18-19
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Note: The southerly half-mile of this project overlaps with the limits of another project, EA 0P94U. The guardrail work within this overlapping half mile will be completed by EA 0P94U instead of this project. The postmile limits of this project are adjusted accordingly.

**List of 2018 SHOPP Amendments  
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)				
88 12-Ora-Var	In the cities of Orange, Anaheim, Santa Ana, Fullerton and Buena Park, from PM 33.0 to PM 43.2; also on Route 57, from PM 10.7 to PM 16.6; also on Route 91, from PM R2.6 to PM R4.1 and PM 0.0 to PM 7.2. Install and modify Intelligent Transportation System (ITS) elements.	19-20	PA&ED	\$1,323	Prior	\$1,323	Prior	
		201.315	PS&E	\$2,030	18-19	\$2,030	18-19	
				R/W Sup	<del>\$180</del>	18-19	<b>\$0</b>	18-19
2859B				Con Sup	<del>\$2,030</del>	19-20	<b>\$3,045</b>	19-20
1216000097				R/W Cap	\$0		<b>\$9</b>	<b>18-19</b>
0P42U				<u>Const Cap</u>	<u>\$8,820</u>	19-20	<u><b>\$22,073</b></u>	19-20
				Total	<del>\$14,383</del>		<b>\$28,480</b>	
	<u>Performance Measure</u>							
	25 Field element(s)							
	<b>176 Field element(s)</b>							

Note: Preliminary engineering has determined that the existing changeable message sign (CMS) structures are not adequate. A more comprehensive Intelligent Transportation System (ITS) operations plan for this region was recently completed and requires many more closed circuit television cameras and other field ITS elements. This additional work is increasing construction and right of way costs, as well as performance measures.