

**List of 2016 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-Hum-101 R39.2/R48.3 2422 0115000115 0F360	Near Redcrest, from Englewood Park Undercrossing to Eel River Bridge and Overhead. Pavement rehabilitation.  36.8 Lane Mile(s)	<del>19-20</del> <b>18-19</b> 201.121	PA&ED	\$579	
			PS&E	\$680	
			R/W Sup	\$85	
			Con Sup	\$1,518	
			R/W Cap	\$6	
			<u>Const Cap</u>	<u>\$14,515</u>	
	Total	\$17,383			
2 02-Las-299 25.5 25.6 3600 0215000106 1H110	Near Adin, at the Adin Maintenance Station (L5701). Construct new facility.  1.0 Location(s)	18-19 201.352	PA&ED	\$260	\$260
			PS&E	<del>\$1,350</del>	<b>\$2,650</b>
			R/W Sup	\$40	\$40
			Con Sup	<del>\$1,540</del>	<b>\$3,200</b>
			R/W Cap	\$0	<b>\$20</b>
			<u>Const Cap</u>	<u><del>\$4,880</del></u>	<u><b>\$12,850</b></u>
	Total	<del>\$8,070</del>	<b>\$19,020</b>		
3 02-Plu-70 90.3/96.0 3599 0215000086 0H760	In Plumas and Lassen Counties near Chilcoot, from west of Summit School Drive Road to Route 395 (Lassen PM 0.0/3.9). Roadway rehabilitation.  18 Lane Mile(s)	<del>19-20</del> <b>18-19</b> 201.122	PA&ED	\$1,030	
			PS&E	\$900	
			R/W Sup	\$70	
			Con Sup	\$1,440	
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$20,547</u>	
	Total	\$23,987			
4 02-Sha-5 57.4 3542 4G400 0214000009	Near Pollard Flat, at Sims Road Undercrossing Bridge No. 06-0111. Replace bridge.  1 Bridge(s)	<del>19-20</del> 201.110	PA&ED	\$590	
			PS&E	\$1,420	
			R/W Sup	<del>\$130</del>	
			Con Sup	<del>\$2,230</del>	
			R/W Cap	\$0	
			<u>Const Cap</u>	<u><del>\$5,939</del></u>	
	Total	\$10,309			
5 02-Sha-5 66.6/66.9 Var 3543 0214000010 0218000047 4G410 4G41U	Near Dunsmuir, at <del>from 0.3 mile south to 0.1 mile north</del> of Crag View Drive Undercrossing Bridge No. 06-0095 <b>(PM 66.8); also, at Sims Road Undercrossing No. 06</b> <b>-0111 (PM 57.4).</b> Replace bridges.  1 Bridge(s) 2 Bridge(s)	<del>19-20</del> <b>18-19</b> 201.110	PA&ED	<del>\$660</del>	<b>\$1,250</b>
			PS&E	<del>\$1,610</del>	<b>\$2,880</b>
			R/W Sup	<del>\$130</del>	<b>\$260</b>
			Con Sup	<del>\$2,820</del>	<b>\$4,799</b>
			R/W Cap	\$0	<b>\$36</b>
			<u>Const Cap</u>	<u><del>\$7,469</del></u>	<u><b>\$16,860</b></u>
	Total	<del>\$12,709</del>	<b>\$26,085</b>		

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6 02-Sis-5  3556 0214000030 4G630	In Siskiyou and Shasta Counties on Routes 5 and 89 at various locations. Upgrade Transportation Management System (TMS) field elements.  16 Field Element(s)	18-19 201.315	PA&ED	\$390	\$390
			PS&E	\$710	\$710
			R/W Sup	\$140	\$140
			Con Sup	\$720	\$720
			R/W Cap	\$111	\$196
			<u>Const Cap</u>	<u>\$2,650</u>	<u>\$3,600</u>
			Total	\$4,721	\$5,756
7 02-Teh-36 87.8/88.8 3641 0216000052 1H740	Near Mineral, from 0.1 mile to 1.2 miles east of Route 89. Curve improvement.  24 Collision(s) Reduced	19-20 201.010	PA&ED	\$840	\$840
			PS&E	\$950	\$751
			R/W Sup	\$50	\$50
			Con Sup	\$1,240	\$1,240
			R/W Cap	\$242	\$401
			<u>Const Cap</u>	<u>\$4,324</u>	<u>\$4,324</u>
			Total	\$7,646	\$7,606
8 02-Teh-99 12.0/12.6 3606 0215000126 1H320	Near Los Molinos, from Josephine Street to Los Molinos Creek Bridge. Construct curb ramps, sidewalks, lighting and drainage improvements. (G13 Contingency Project)  28 Curb Ramp(s)	18-19 201.378	PA&ED	\$310	\$310
			PS&E	\$460	\$460
			R/W Sup	\$230	\$230
			* Con Sup	\$640	\$640
			R/W Cap	\$119	\$891
			* <u>Const Cap</u>	<u>\$2,970</u>	<u>\$4,600</u>
			Total	\$4,729	\$7,131
* Phase NOT Authorized.					
9 02-Tri-3 58.7/61.9 3485 0212000073 4F220	Near Trinity Center, from north of Preacher Meadows Road to north of El Dorado Way. Replace Swift Creek Bridge No. 05-0059.  1 Bridge(s)	19-20 201.110	PA&ED	\$930	\$930
			PS&E	\$1,680	\$1,680
			R/W Sup	\$100	\$100
			Con Sup	\$2,090	\$2,090
			R/W Cap	\$820	\$820
			<u>Const Cap</u>	<u>\$7,200</u>	<u>\$8,627</u>
			Total	\$12,820	\$14,247
10 02-Tri-299  3555 0214000028 4G610	In Trinity County on Route 299 and Route 3 at various locations; also, in Shasta County on Route 299 at PM 0.1. Make worker safety improvements.  12 Location(s)	18-19 201.235	PA&ED	\$425	\$425
			PS&E	\$745	\$745
			R/W Sup	\$160	\$160
			Con Sup	\$775	\$775
			R/W Cap	\$79	\$79
			<u>Const Cap</u>	<u>\$2,200</u>	<u>\$2,500</u>
			Total	\$4,384	\$4,684

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11 03-But-99 13.3/45.9 2433 0315000145 0H330	In and near Chico, from north of Route 162 to north of Broyles Road. Bridge rail upgrade at six locations.  999 Linear Feet	19-20 201.112	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$610 \$1,170 \$160 \$1,300 \$210 <u>\$4,500</u> \$7,950	\$610 <b>\$1,230</b> \$160 <b>\$1,425</b> <b>\$363</b> <b>\$5,235</b> <b>\$9,023</b>
12 03-ED-50 0.0/80.4 3311 0315000200 0H500	In El Dorado County, from the Sacramento County line to east of Stateline Avenue. Upgrade guard rail to current standards.  5 Collision(s) Reduced	18-19 201.015	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$150 \$360 \$55 \$475 \$25 <u>\$2,300</u> \$3,365	\$150 \$360 \$55 \$475 <b>\$16</b> <b>\$3,450</b> <b>\$4,506</b>
13 03-ED-50 R27.9/R29.8 6923 0317000152 0H341	Near Pollock Pines, at Sawmill Undercrossing No. 25 -0041; also at Sly Park Road (PM R30.17/R31.3). Replace bridge, restore culverts, and add highway lighting.  1 Bridge(s)	19-20 201.110	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$230 \$690 \$11 \$1,660 \$10 <u>\$6,405</u> \$9,006	\$230 \$690 \$11 \$1,660 <b>\$53</b> <b>\$8,850</b> <b>\$11,494</b>
14 03-Sac-99 4.9 6916 0313000136 3F540	On Route 99, at <b>South Lagoon Creek Bridge No. 24 -0028L</b> , Lagoon Creek Bridge No. 24-0045L (PM 5.0), and <b>North Lagoon Creek Bridge No. 24-0027L (PM 5.1)</b> ; also on Route 160 (PM R44.5) at American River Bridge No. 24-0001L. Scour mitigation and bridge replacement.  2 Bridge(s) 4 Bridge(s)	18-19 201.111	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$872 \$2,000 \$50 \$3,100 \$500 <u>\$20,270</u> \$26,792	
15 03-Sac-51 99 R32.1 6707 0314000024 4F100	In the city of Sacramento, on various routes at various locations at <b>Southbound Route 99/5 Connector Overcrossing No. 24-0241F</b> ; also, on <b>Route 80 at Longview Ramp Overcrossing No. 24-0281K (PM M9.15)</b> . Seismic retrofit two structures.  2 Bridge(s)	19-20 201.113	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$321 \$759 \$18 \$691 \$0 <u>\$1,900</u> \$3,689	

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16 03-Yub-20 0.1 8140 0313000033 3F560	In Marysville, at the Feather River Bridge No. 18-009. Scour mitigation and retrofit piers. (G13 Contingency Project)  1 Bridge(s)  * Phase NOT Authorized.	18-19  20-21 201.111	PA&ED	\$1,240	\$1,240
			PS&E	<del>\$2,600</del>	<b>\$2,700</b>
			R/W Sup	\$200	\$200
			* Con Sup	<del>\$2,990</del>	<b>\$4,100</b>
			R/W Cap	<del>\$550</del>	<b>\$1,887</b>
			* <u>Const Cap</u>	<u><del>\$20,000</del></u>	<u><b>\$26,441</b></u>
	Total	<del>\$27,580</del>	<b>\$36,568</b>		
17 03-Yub-20 <del>18.2/20.2</del> <b>R18.0/20.3</b> 9590 0313000020 3F510	Near Smartsville, from <del>east</del> of the Yuba River Bridge to <del>0.1</del> mile east of Smartsville Road. Realign and widen roadway.  20 Collision(s) Reduced	18-19 201.015	PA&ED	\$4,700	
			PS&E	\$3,500	
			R/W Sup	\$1,000	
			Con Sup	\$6,871	
			R/W Cap	\$2,750	
			<u>Const Cap</u>	<u><del>\$48,500</del></u>	
	Total	\$67,321			
18 04-Nap-29 37.0 0587M 0416000349 3G64A	In Calistoga, at Napa River Bridge No. 21-0018. Environmental mitigation and plant establishment for bridge replacement project.  1 Bridge(s)	19-20  18-19 201.111	PA&ED	\$0	\$0
			PS&E	<del>\$200</del>	<b>\$640</b>
			R/W Sup	\$400	\$400
			Con Sup	\$150	\$150
			R/W Cap	\$85	\$85
			<u>Const Cap</u>	<u><del>\$500</del></u>	<u><b>\$500</b></u>
	Total	<del>\$1,335</del>	<b>\$1,775</b>		
19 <del>04-SCI-17</del> <del>3.1</del> <del>1499D</del> 4J020 <del>0415000244</del>	Near Los Gatos, approximately 0.3 mile south of Alma College Road. Modify drainage system and repair slope washout.  1.0 Location(s)	19-20 201.131	PA&ED	\$500	
			PS&E	<del>\$375</del>	
			R/W Sup	<del>\$24</del>	
			Con Sup	<del>\$322</del>	
			R/W Cap	<del>\$20</del>	
			<u>Const Cap</u>	<u><del>\$529</del></u>	
	Total	<del>\$1,770</del>			
20 04-SCI-101 R9.0/R16.8 1483F 0415000022 2J890	In and near Morgan Hill, from south of Masten Avenue to East Main Avenue. Install edgeline and shoulder rumble strips, concrete barrier and enhanced wet-night visibility striping.  85 Collision(s) Reduced	19-20  18-19 201.010	PA&ED	\$230	
			PS&E	\$300	
			R/W Sup	\$75	
			Con Sup	\$450	
			R/W Cap	\$10	
			<u>Const Cap</u>	<u><del>\$1,760</del></u>	
	Total	<del>\$2,825</del>			

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21 04-SCI-280 R2.9/17.8 1483K 0415000338 2J750	In San Jose, at Bird Avenue Overcrossing Bridge No. 37-0267 (PM R2.78); also in Los Altos Hills at Arastradero Road Undercrossing Bridge No. 37-0251 L/R (PM 17.8). Bridge seismic restoration.  3 Bridge(s)	19-20 18-19 201.113	PA&ED	\$1,144	
			PS&E	\$1,034	
			R/W Sup	\$66	
			Con Sup	\$550	
			R/W Cap	\$90	
			<u>Const Cap</u>	<u>\$2,414</u>	
	Total	\$5,298			
22 04-SF-101 2.0 0587D 0412000141 3G620	Near San Francisco, at Alemany Circle Undercrossing No. 34-0033. Rehabilitate bridge. (G13 Contingency Project)  1 Bridge(s)  * Phase NOT Authorized.	19-20 18-19 201.110	PA&ED	\$4,000	
			PS&E	\$3,000	
			R/W Sup	\$20	
			* Con Sup	\$3,250	
			R/W Cap	\$20	
			* <u>Const Cap</u>	<u>\$32,400</u>	
	Total	\$42,690			
23 04-Son-37 2.6 0763L 0414000487 1A210	Near Vallejo, at east of Route 121. Replace Weigh In Motion (WIM) systems.  2 Location(s)	19-20 18-19 201.321	PA&ED	\$506	\$506
			PS&E	<del>\$442</del>	<b>\$592</b>
			R/W Sup	\$20	\$20
			Con Sup	<del>\$304</del>	<b>\$554</b>
			R/W Cap	\$10	\$10
			<u>Const Cap</u>	<u>\$2,110</u>	<b>\$2,280</b>
	Total	<del>\$3,392</del>	<b>\$3,962</b>		
24 05-SB-1 R36.4/49.2 2586 0514000110 1G130	Near Santa Maria, from Solomon Road to Route 166. Pavement rehabilitation.  18.6 Lane Mile(s)	19-20 201.121	PA&ED	\$515	\$515
			PS&E	\$916	\$916
			R/W Sup	<del>\$21</del>	<b>\$104</b>
			Con Sup	\$905	\$905
			R/W Cap	<del>\$634</del>	<b>\$795</b>
			<u>Const Cap</u>	<u>\$8,114</u>	<b>\$9,583</b>
	Total	\$11,105	<b>\$12,818</b>		
25 05-SB-101 70.9 2522 0514000003 1F500	In Los Alamos, at Route 101/135 Separation No. 51 -0073L/R. Replace bridge decks.  2 Bridge(s)	19-20 201.110	PA&ED	\$650	\$650
			PS&E	\$1,800	\$1,800
			R/W Sup	\$250	\$250
			Con Sup	\$2,100	\$2,100
			R/W Cap	\$100	\$100
			<u>Const Cap</u>	<u>\$5,700</u>	<b>\$7,000</b>
	Total	\$10,600	<b>\$11,900</b>		

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26 05-SBt-25 19-0 2293Y 0T641 0514000135	Near Hollister, north of San Benito Lateral. Landscape mitigation for project PPNO 2293.	17-18 201.010	PA&ED	\$0	
			PS&E	\$334	
			R/W Sup	\$3	
			Con Sup	\$300	
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$96</u>	
	Total	\$733			
27 05-SCr-1 R0.0/R8.1 2452 0513000021 1C980	In Santa Cruz and Monterey Counties, from south of Salinas Road to south of Larkin Valley Road Undercrossing. Construct maintenance vehicle pull outs, repairing guardrail, improve gate access and relocate irrigation equipment.	18-19 201.235	PA&ED	\$652	\$652
			PS&E	\$1,097	\$1,097
			R/W Sup	\$49	\$49
			Con Sup	\$1,225	\$1,225
			R/W Cap	\$0	\$5
			<u>Const Cap</u>	<u>\$2,765</u>	<u>\$2,900</u>
	Total	\$5,788	\$5,928		
28 05-SCr-129 1.4 2625 0516000010 1G990	Near Watsonville, at Lakeview Road. Construct roundabout and improve street lighting.  46 Collision(s) Reduced	19-20 201.010	PA&ED	\$782	\$782
			PS&E	\$1,341	\$1,341
			R/W Sup	\$441	\$441
			Con Sup	\$1,335	\$1,335
			R/W Cap	\$684	\$749
			<u>Const Cap</u>	<u>\$4,481</u>	<u>\$4,481</u>
	Total	\$9,064	\$9,129		
29 05-SLO-1 32.6/32.6 32.6 0072 0515000097 0L721	In Morro Bay, at Toro Creek Bridge No. 49-0068R (Bridge No. 49-0068R). Replace bridge.  1 Bridge(s)	19-20 201.110	PA&ED	\$1,424	\$1,424
			PS&E	\$1,313	\$2,300
			R/W Sup	\$167	\$275
			Con Sup	\$1,222	\$2,400
			R/W Cap	\$906	\$906
			<u>Const Cap</u>	<u>\$5,200</u>	<u>\$5,200</u>
	Total	\$10,232	\$12,505		
30 05-SLO-1 34.5 0072A 0515000098 0L722	Near Morro Bay, at Old Creek Bridge No. 05-49-0070R. Replace bridge.  1 Bridge(s)	19-20 201.110	PA&ED	\$1,399	\$1,399
			PS&E	\$1,190	\$1,900
			R/W Sup	\$111	\$200
			Con Sup	\$1,145	\$1,900
			R/W Cap	\$450	\$450
			<u>Const Cap</u>	<u>\$4,200</u>	<u>\$4,200</u>
	Total	\$8,495	\$10,049		

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31 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 ADA accessible pedestrian pathways and install Accessible Pedestrian Signal (APS) systems.  126 Curb Ramp(s)	18-19 201.361	PA&ED	\$827	\$827
			PS&E	\$1,333	\$1,333
			R/W Sup	\$1,082	\$1,082
			Con Sup	\$1,141	\$1,141
			R/W Cap	<del>\$163</del>	<del>\$679</del>
			<u>Const Cap</u>	<u>\$2,622</u>	<u>\$3,550</u>
			Total	\$7,168	\$8,612
32 05-SLO-58 3.1 0072B 0515000099 0L723	Near Santa Margarita, at Trout Creek Bridge No. 05-49-0091. Replace bridge.  1 Bridge(s)	19-20 201.110	PA&ED	\$1,419	\$1,419
			PS&E	<del>\$1,210</del>	<del>\$2,500</del>
			R/W Sup	<del>\$104</del>	<del>\$210</del>
			Con Sup	<del>\$1,174</del>	<del>\$2,900</del>
			R/W Cap	\$308	\$308
			<u>Const Cap</u>	<u>\$4,750</u>	<u>\$5,987</u>
			Total	\$8,965	\$13,324
33 05-SLO-101 <del>63.5/R65.2</del> <del>63.5/65.2</del> 0040C 0515000019 0G041	In San Luis Obispo County, near Paso Robles from 0.1 mile south to 0.1 mile north of San Marcos Creek Bridge and from 0.1 mile south to 0.1 mile north of South San Miguel Undercrossing. Landscape mitigation.  3 Location(s) 8 Lane Mile(s)	<del>19-20</del> 18-19 201.120	PA&ED	\$0	
			PS&E	\$223	
			R/W Sup	\$28	
			Con Sup	\$479	
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$270</u>	
			Total	\$1,000	
34 06-Fre-5 0.0/1.7 6736 0615000040 0T230	Near Coalinga and Kettleman City, at the Coalinga-Avenal Safety Roadside Rest Area from Kings County line to Quist Undercrossing; also in Kings County, from 0.2 mile south of Avenal Cutoff Road to Fresno County line (PM 26.4/26.7). Repair aging water and wastewater systems.  2 Location(s)	18-19 201.235	PA&ED	\$122	\$122
			PS&E	\$783	\$783
			R/W Sup	\$4	\$4
			Con Sup	<del>\$841</del>	<del>\$1,000</del>
			R/W Cap	\$102	\$102
			<u>Const Cap</u>	<u>\$2,703</u>	<u>\$4,350</u>
			Total	\$4,555	\$6,361
35 06-Fre-99 0.0/14.9 6738 0615000066 0T360	Near Fresno, from the Tulare County line to American Avenue;; <b>also in Tulare County, from 0.9 mile north of Kings River Bridge to Fresno County line (R53.60/R53.94).</b> Pave gore and miscellaneous areas, construct maintenance vehicle pull outs and repair irrigation systems.  45 Location(s) 31 Location(s)	17-18 201.235	PA&ED	\$192	
			PS&E	\$720	
			R/W Sup	\$2	
			Con Sup	\$540	
			R/W Cap	\$10	
			<u>Const Cap</u>	<u>\$3,189</u>	
			Total	\$4,653	

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36 06-Ker-5 5.6/8.8 6749 0613000243 0Q820	Near Lebec, from north Lebec Road to south of Grapevine Road. Rehabilitate drainage systems.  5 Drainage System(s)	18-19 201.151	PA&ED	\$375	\$375
			PS&E	\$670	\$670
			R/W Sup	\$100	\$100
			Con Sup	\$690	\$690
			R/W Cap	\$50	\$150
			<u>Const Cap</u>	<u>\$5,100</u>	<u>\$5,100</u>
			Total	<b>\$6,985</b>	<b>\$7,085</b>
37 06-Ker-223 21.0/21.3 6709 0614000162 0S510	In and Near Arvin, at Derby Street. Install traffic signals.  6 Collision(s) Reduced	18-19 201.010	PA&ED	\$348	\$348
			PS&E	\$775	\$775
			R/W Sup	\$345	\$345
			Con Sup	\$530	\$530
			R/W Cap	\$74	\$74
			<u>Const Cap</u>	<u>\$1,246</u>	<u>\$1,396</u>
			Total	<b>\$3,318</b>	<b>\$3,468</b>
38 06-Mad-99 22.7/29.4 6732 0615000037 0T210	In and near Chowchilla, from Route 152 to the Merced County line. Roadway rehabilitation. (G13 Contingency Project)  26 Lane Mile(s)  * Phase NOT Authorized.	18-19 201.122	PA&ED	\$499	\$499
			PS&E	\$1,885	\$1,885
			R/W Sup	\$30	\$30
			* Con Sup	\$2,507	\$2,507
			R/W Cap	\$30	\$30
			* <u>Const Cap</u>	<u>\$25,872</u>	<u>\$17,000</u>
			Total	<b>\$30,823</b>	<b>\$21,951</b>
39 06-Tul-190 34.7/39.7 6286 0616000194 0H140	Between Springville and Camp Nelson, from east of Balch Park Road to west of Wishon Drive. Replace deteriorated culverts <b>and upgrade existing Guardrail.</b>  7 Drainage System(s)	<del>18-19</del> <b>19-20</b> 201.151	PA&ED	\$800	\$800
			PS&E	\$950	\$950
			R/W Sup	\$210	\$210
			Con Sup	<del>\$600</del>	<b>\$800</b>
			R/W Cap	\$246	\$246
			<u>Const Cap</u>	<u>\$2,228</u>	<u>\$2,850</u>
			Total	<b>\$5,034</b>	<b>\$5,856</b>
40 06-Tul-190 R15.1/16.9 3032A 0618000088 0S311	Near Porterville, from west of Route 65 to S. Plano Road. Landscape Mitigation.  0.0 Collision(s) Reduced	18-19 201.010	PA&ED		\$0
			PS&E		\$330
			R/W Sup		\$0
			Con Sup		\$490
			R/W Cap		\$0
			<u>Const Cap</u>		<u>\$400</u>
			Total		<b>\$1,220</b>



**List of 2016 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)	
41 07-LA-1 0.0/19.0 4998 0716000049 32160	In and near Redondo Beach, from Orange County line to south of Topaz Street. Upgrade ADA curb ramps, upgrade metal beam guardrail, cold plane pavement, and place Hot Mix Asphalt (HMA) and Rubberized Hot Mix Asphalt concrete (RHMA) to rehabilitate pavement.  99.4 Lane Mile(s)	17-18 201.121	PA&ED	\$1,680	\$1,680
			PS&E	\$4,886	\$4,886
			R/W Sup	\$920	\$920
			Con Sup	\$7,684	\$7,684
			R/W Cap	\$1,554	\$1,554
			<u>Const Cap</u>	<u>\$36,220</u>	<u>\$38,220</u>
			Total	\$52,944	\$54,944
42 07-LA-1 17.4/62.8 4722 0714000086 30490	In various cities, from Calle Mayor to Ventura County line; also on Routes 23 and 27, at various locations. Construct storm water treatment Best Management Practices.  24 Acre(s) treated/pollutant	18-19 201.335	PA&ED	\$800	\$800
			PS&E	<del>\$1,823</del>	<b>\$1,961</b>
			R/W Sup	\$62	\$62
			Con Sup	<del>\$956</del>	<b>\$1,691</b>
			R/W Cap	\$427	\$427
			<u>Const Cap</u>	<u>\$4,740</u>	<u>\$4,740</u>
			Total	<del>\$8,808</del>	<b>\$9,681</b>
43 07-LA-1 35.1/35.4 4903 0715000227 31690	In Santa Monica, at McClure Tunnel Bridge No. 53 -0008. Enhance safety lighting inside tunnel.  ↑ Lighting Fixture(s) <b>150 Lighting Fixture(s)</b>	18-19 201.170	PA&ED	\$150	\$150
			PS&E	<del>\$592</del>	<b>\$0</b>
			R/W Sup	<del>\$50</del>	<b>\$0</b>
			Con Sup	<del>\$703</del>	<b>\$1,903</b>
			R/W Cap	<del>\$15</del>	<b>\$0</b>
			<u>Const Cap</u>	<u><del>\$4,280</del></u>	<u><b>\$5,180</b></u>
			Total	<del>\$5,790</del>	<b>\$7,233</b>
44 07-LA-2 13.1/14.3 4420 0700021024 28830	In Los Angeles County, in various cities on Routes 60, 66, 164 and 210 at various locations. Construct and install storm water treatment Best Management Practices.  48.4 Acre(s) Treated/Pollutant	19-20 201.335	PA&ED	\$995	\$995
			PS&E	<del>\$547</del>	<b>\$2,447</b>
			R/W Sup	<del>\$50</del>	<b>\$95</b>
			Con Sup	<del>\$1,100</del>	<b>\$2,200</b>
			R/W Cap	<del>\$36</del>	<b>\$50</b>
			<u>Const Cap</u>	<u><del>\$6,790</del></u>	<u><b>\$6,790</b></u>
			Total	<del>\$9,518</del>	<b>\$12,577</b>
45 07-LA-2 14.8/R22.6 5245 0717000174 34060	In Los Angeles and Ventura cCounties, on various routes and at various locations. Repair and rRehabilitate rRamp mMetering sSystems (RMS) and vVehicle dDetection sSystems (VDS).  333 Field element(s) <b>215 Field Element(s)</b>	17-18 201.315	PA&ED	\$0	\$0
			PS&E	\$3,047	\$3,047
			R/W Sup	\$200	\$200
			Con Sup	\$4,840	\$4,840
			R/W Cap	\$750	\$750
			<u>Const Cap</u>	<u><del>\$19,154</del></u>	<u><b>\$17,254</b></u>
			Total	<del>\$27,991</del>	<b>\$26,091</b>

**List of 2016 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-5 11.0/13.9 4910 0715000246 31750	In the cities of Los Angeles, Hollywood, Long Beach and Signal Hill from Simons Underpass to Eastern Avenue; on Routes 101, 405 and 710 at various locations. Replace 9 pump plants. (G13 Contingency Project)	18-19 201.151	PA&ED	\$360	\$360
			PS&E	\$1,038	\$1,038
			R/W Sup	\$30	\$30
			* Con Sup	<del>\$900</del>	<b>\$1,500</b>
			R/W Cap	\$10	\$10
			* <u>Const Cap</u>	<del>\$3,605</del>	<b>\$4,803</b>
			Total	<del>\$5,943</del>	<b>\$7,741</b>
9 Drainage System(s)					
* Phase NOT Authorized.					
47 07-LA-5 18.3 5153 0716000290 33270	In the city of Los Angeles, at the westbound Route 10 connector to southbound Route 5. Apply High Friction Surface Treatment (HFST) and upgrade lighting.	18-19 201.010	PA&ED	\$215	\$215
			PS&E	<del>\$450</del>	<b>\$1,152</b>
			R/W Sup	\$15	\$15
			Con Sup	<del>\$466</del>	<b>\$1,095</b>
			R/W Cap	\$10	\$10
			<u>Const Cap</u>	<del>\$1,813</del>	<b>\$2,600</b>
			Total	<del>\$2,969</del>	<b>\$5,087</b>
62 Collision(s) Reduced					
48 07-LA-5 8.2/20.4 5247 0717000172 34040	In Los Angeles County, on various routes and at various locations. Repair and rRehabilitate rRamp mMetering sSystems (RMS) and vVehicle dDetection sSystems (VDS).	17-18 201.315	PA&ED	\$0	\$0
			PS&E	\$2,962	\$2,962
			R/W Sup	\$18	\$18
			Con Sup	\$4,704	\$4,704
			R/W Cap	\$173	\$173
			<u>Const Cap</u>	<del>\$20,031</del>	<b>\$23,670</b>
			Total	<del>\$27,888</del>	<b>\$31,527</b>
556 Field Element(s) 602 Field Element(s)					
49 07-LA-5 R70.4 4847 0715000092 31360	Near Pyramid Lake, 4.4 miles north of Templin Highway. Remove and replace two sections of damaged reinforced concrete pipe. (G13 Contingency Project)	18-19 201.151	PA&ED	\$180	\$180
			PS&E	\$350	\$350
			R/W Sup	\$20	\$20
			* Con Sup	<del>\$300</del>	<b>\$970</b>
			R/W Cap	\$0	<b>\$20</b>
			* <u>Const Cap</u>	<del>\$1,243</del>	<b>\$1,384</b>
			Total	<del>\$2,093</del>	<b>\$2,924</b>
2 Drainage System(s)					
* Phase NOT Authorized.					
50 07-LA-10 R2.1/R11.1 4715 0714000055 30420	In the cities of Los Angeles and Santa Monica, from Route 1/10 separation bridge to west of Crenshaw Boulevard. Roadside safety improvements.	18-19 201.235	PA&ED	\$100	\$100
			PS&E	<del>\$490</del>	<b>\$1,560</b>
			R/W Sup	\$6	<b>\$48</b>
			Con Sup	<del>\$490</del>	<b>\$1,100</b>
			R/W Cap	\$0	<b>\$30</b>
			<u>Const Cap</u>	<del>\$2,935</del>	<b>\$5,464</b>
			Total	<del>\$4,021</del>	<b>\$8,302</b>
207 Location(s) 214 Location(s)					

**List of 2016 SHOPP Amendments**  
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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)	
51 07-LA-10 S0.2/47.7 5246 0717000173 34050	In Los Angeles County, on various routes and at various locations. Repair and rRehabilitate rRamp mMetering sSystems (RMS) and vVehicle dDetection sSystems (VDS).  255 Field element(s) 384 Field Element(s)	17-18 201.315	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$2,295 \$18 \$3,645 \$54 <u>\$14,830</u> \$20,842	\$0 \$2,295 \$18 \$3,645 \$54 <u>\$15,515</u> \$21,527
52 07-LA-14 R54.6/R66.2 4811 0715000006 31110	In and near Lancaster, from Vincent Ramp Undercrossing to Avenue K 8 Overcrossing. Roadside safety improvements.  86 Location(s) 92 Location(s)	19-20 201.235	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$118 <del>\$429</del> \$5 <del>\$548</del> \$0 <u>\$2,808</u> \$3,908	\$118 <b>\$1,200</b> <b>\$48</b> <b>\$1,430</b> <b>\$30</b> <b>\$3,257</b> <b>\$6,083</b>
53 07-LA-57 R7.7/R11.8 4706 0714000032 30180	In San Dimas and Glendora, from Route 10 to Route 210. Roadside safety improvements.  45 Location(s) 55 Location(s)	18-19 201.235	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$100 <del>\$350</del> \$20 <del>\$500</del> \$0 <u>\$2,590</u> \$3,560	\$100 <b>\$1,200</b> <b>\$48</b> <b>\$1,150</b> <b>\$30</b> <b>\$2,768</b> <b>\$5,296</b>
54 07-LA-91 R10.2/R10.4 4704 0714000024 30160	In Compton, at Compton Creek Bridge Overhead and Off-Ramp offramp (No. 53-2235 and No. 53-2237S) and Artesia-Santa Fe Undercrossing No. 53-2238K; also in Long Beach on Routes 710 and 110, at Harbor Scenic Drive Overhead No. 53-2934 (PM 6.0) and Gaffy Street Bridge No. 53-0397Y (PM R0.8). Bridge seismic retrofit and bridge rail upgrade. (G13 Contingency Project)  5 Bridge(s)	19-20 201.113	PA&ED PS&E R/W Sup * Con Sup R/W Cap <u>* Const Cap</u> Total	\$2,260 <del>\$2,000</del> \$85 <del>\$2,000</del> \$0 <u>\$10,712</u> \$17,057	\$2,260 <b>\$3,500</b> <b>\$150</b> <b>\$3,500</b> <b>\$50</b> <b>\$10,712</b> <b>\$20,172</b>
55 07-LA-91 R14.4/R16.6 R13.9/R16.9 4714 0714000057 30410	In Bellflower, from Downey Avenue to San Gabriel River Bridge. 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.  20 Location(s) 23 Location(s)	18-19 201.235	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$99 <del>\$313</del> \$4 <del>\$324</del> \$0 <u>\$2,500</u> \$3,240	\$99 <b>\$1,720</b> <b>\$48</b> <b>\$1,320</b> <b>\$90</b> <b>\$3,601</b> <b>\$6,878</b>

\* Phase NOT Authorized.

**List of 2016 SHOPP Amendments  
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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)	
56 07-LA-101 0.0 4915 0715000277 31790	Near Encino, at Encino Pedestrian Overcrossing. Replace pedestrian overcrossing.  1 Bridge(s)	18-19 201.110	PA&ED	\$1,033	\$1,033
			PS&E	\$3,205	\$3,205
			R/W Sup	<del>\$213</del>	<b>\$500</b>
			Con Sup	\$1,361	\$1,361
			R/W Cap	<del>\$110</del>	<b>\$1,067</b>
			<u>Const Cap</u>	<u>\$6,685</u>	<u>\$6,685</u>
			Total	<del>\$12,607</del>	<b>\$13,851</b>
57 07-LA-101 1.7/6.6 1.7/6.8 4814 0715000010 31140	In the city of Los Angeles, from Beaudry Avenue to Hollywood Boulevard. In the city of Los Angeles, from Beaudry Avenue to 0.1 mile south of N. Gower Street. Stabilize soil and erosion control.  13 Acre(s) treated/pollutant <b>50 Acre(s) Treated/Pollutant</b>	18-19 201.335	PA&ED	\$310	\$310
			PS&E	<del>\$440</del>	<b>\$1,200</b>
			R/W Sup	<del>\$19</del>	<b>\$48</b>
			Con Sup	<del>\$580</del>	<b>\$1,043</b>
			R/W Cap	\$0	<b>\$30</b>
			<u>Const Cap</u>	<u><del>\$3,525</del></u>	<u><b>\$4,468</b></u>
			Total	<del>\$4,874</del>	<b>\$7,099</b>
58 07-LA-105 R7.8/R10.3 4908 0715000241 31740	In Willowbrook and Lynwood, from Main Street to Mona Boulevard. Storm water mitigation including planting of vegetation and the installation of irrigation systems. (G13 Contingency Project)  8 Acre(s) treated/pollutant <b>17.5 Acre(s) Treated/Pollutant</b>	18-19 201.335	PA&ED	\$150	\$150
			PS&E	\$890	\$890
			R/W Sup	\$50	\$50
			* Con Sup	<del>\$952</del>	<b>\$1,250</b>
			R/W Cap	\$30	\$30
			* <u>Const Cap</u>	<u><del>\$2,546</del></u>	<u><b>\$2,765</b></u>
			Total	<del>\$4,618</del>	<b>\$5,135</b>
* Phase NOT Authorized.					
59 07-LA-110 11.0 4849 0715000095 31380	Near Gardena, south of Redondo Beach Boulevard. Replace culvert.  1 Drainage System(s)	18-19 201.151	PA&ED	\$110	\$110
			PS&E	<del>\$375</del>	<b>\$1,325</b>
			R/W Sup	\$20	\$20
			Con Sup	<del>\$375</del>	<b>\$1,200</b>
			R/W Cap	\$0	<b>\$50</b>
			<u>Const Cap</u>	<u><del>\$2,530</del></u>	<u><b>\$2,820</b></u>
			Total	<del>\$3,410</del>	<b>\$5,525</b>
60 07-LA-110 18.8/23.8 4785 0714000264 30910	In the city of Los Angeles, from Vernon Avenue to Route 101. Upgrade Metal Beam Guardrail to Midwest Guardrail System, end treatments, and crash attenuators.  13 Collision(s) Reduced	18-19 201.015	PA&ED	\$306	\$306
			PS&E	<del>\$632</del>	<b>\$2,280</b>
			R/W Sup	\$45	\$45
			Con Sup	<del>\$813</del>	<b>\$1,357</b>
			R/W Cap	\$25	\$25
			<u>Const Cap</u>	<u><del>\$4,520</del></u>	<u><b>\$4,520</b></u>
			Total	<del>\$6,341</del>	<b>\$8,533</b>

**List of 2016 SHOPP Amendments**  
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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)	
61 07-LA-134 2.6/4.8 4816 0715000011 31160	In and near Burbank, from Bob Hope Drive to Victory Boulevard/Riverside Drive. Stabilize soil and erosion control.  10 Acre(s) Treated/Pollutant 12.5 Acre(s) Treated/Pollutant	19-20 201.335	PA&ED PS&E R/W Sup Con Sup R/W Cap Const Cap Total	\$120 \$300 \$7 \$410 \$0 \$2,297 \$3,134	\$120 \$1,050 \$48 \$1,100 \$30 \$2,318 \$4,666
62 07-LA-134 R6.3/R8.2 4848 0715000093 31370	In Glendale, from east of Concord Street Overcrossing to west of Chevy Chase Drive Undercrossing at three locations. Restore culvert systems. (G13 Contingency Project)  3 Drainage System(s)  * Phase NOT Authorized.	18-19 201.151	PA&ED PS&E R/W Sup * Con Sup R/W Cap * Const Cap Total	\$200 \$400 \$50 \$400 \$0 \$1,720 \$2,770	\$200 \$1,200 \$50 \$1,175 \$10 \$1,810 \$4,445
63 07-LA-210 R38.6/R38.9 4788 0714000281 30930	In Los Angeles County on Routes 210, 405 and 605 at various locations. Bridge seismic retrofit and bridge rail upgrade at five locations.  5 Bridge(s)	19-20 201.113	PA&ED PS&E R/W Sup Con Sup R/W Cap Const Cap Total	\$225 \$1,137 \$10 \$1,060 \$20 \$5,243 \$7,695	\$225 \$1,137 \$20 \$1,600 \$130 \$6,395 \$9,507
64 07-LA-605 R17.0/R19.5 4713 0714000056 30400	In and near Industry, from south of Route 60 to Valley Boulevard. Roadside safety improvements.  60 Location(s)	18-19 201.235	PA&ED PS&E R/W Sup Con Sup R/W Cap Const Cap Total	\$168 \$655 \$60 \$599 \$0 \$2,513 \$3,995	\$168 \$900 \$60 \$1,283 \$0 \$2,779 \$5,190
65 <del>07-Ven-1</del> <del>21.8/27.0</del> 4855 31440 0715000118	<del>In and near Dulah and Faria, from north of Route 101 to Hobson County Park. Restore and rehabilitate culverts. (G13 Contingency Project)</del>  24 Drainage System(s)	<del>18-19</del> 201.151	PA&ED PS&E R/W Sup Con Sup R/W Cap Const Cap Total	\$240 \$310 \$30 \$195 \$55 \$1,291 \$2,121	

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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)	
66 07-Ven-1 28.2 4601 0713000099 29650	Near Sea Cliff, at Willow Creek Bridge No. 52-003; also in Ojai, on Route 33 at North Fork Matilija Bridges No. 52-0044 (PM 15.8) and No. 52-0173 (PM16.1). Upgrade bridge railings to meet current standards.	<del>19-20</del>	PA&ED	\$958	\$958
		<b>20-21</b>	PS&E	<b>\$1,360</b>	<b>\$2,300</b>
		201.112	R/W Sup	\$61	<b>\$465</b>
			Con Sup	\$1,420	<b>\$2,000</b>
			R/W Cap	\$757	<b>\$818</b>
	724 Linear Feet		<u>Const Cap</u>	<u>\$2,530</u>	<b>\$2,657</b>
		Total	\$7,086	<b>\$9,198</b>	
67 07-Ven-23 R3.3/R11.5 4688 0713000479 30250	In and near cities of Thousand Oaks and Moorpark, from Route 101 to Route 118. Rehabilitate pavement.	<del>19-20</del>	PA&ED	\$889	\$889
		<b>18-19</b>	PS&E	<b>\$2,650</b>	<b>\$7,500</b>
		201.122	R/W Sup	\$100	\$100
			Con Sup	\$6,700	<b>\$17,000</b>
			R/W Cap	\$860	\$860
	57 Lane Mile(s)		<u>Const Cap</u>	<u>\$77,032</u>	<b>\$92,445</b>
		Total	\$88,231	<b>\$118,794</b>	
68 07-Ven-33 7.6 4496 0712000083 29130	Near Oak View, at San Antonio Creek Bridge (No. 52-0065). Scour mitigation and bridge rail upgrade.	18-19	PA&ED	\$1,640	\$1,640
		201.111	PS&E	\$1,112	\$1,112
			R/W Sup	\$600	\$600
			Con Sup	\$1,065	<b>\$1,460</b>
			R/W Cap	\$2,500	<b>\$2,750</b>
	1 Bridge(s)		<u>Const Cap</u>	<u>\$1,800</u>	<b>\$2,460</b>
		Total	\$8,717	<b>\$10,022</b>	
69 07-Ven-118 R24.1/R29.7 4894 0715000210 31650	In Simi Valley, from First Street to Yosemite Street. Construct maintenance vehicle pullouts and access roads, pave gore areas, install smart irrigation controllers and access gates. Plant vines at bridge wingwalls.	18-19	PA&ED	\$677	\$677
		201.235	PS&E	\$1,369	\$1,369
			R/W Sup	\$39	\$39
			Con Sup	\$520	<b>\$1,292</b>
			R/W Cap	\$10	\$10
	99 Location(s) 100 Location(s)		<u>Const Cap</u>	<u>\$3,183</u>	<b>\$3,250</b>
		Total	\$5,798	<b>\$6,637</b>	
70 <del>08-Riv-15</del> <del>6-8/7.6</del> <del>3001X</del> 1C580 <del>0812000333</del>	In Temecula and Murrieta, from 0.2 miles south of Winchester Road/Banana Avenue to 0.2 mile south of Warm Springs Creek Bridge, also from Temescal Wash Bridge to Parkridge Avenue Undercrossing (PM 40.8/41.8). Stabilize slopes to decrease sediment transport.	<del>19-20</del>	PA&ED	\$156	
		<del>201.335</del>	PS&E	\$296	
			R/W Sup	\$20	
			Con Sup	\$320	
			R/W Cap	\$10	
	7.5 Acre(s) treated/pollutant		<u>Const Cap</u>	<u>\$885</u>	
		Total	\$1,687		

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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)	
71 08-SBd-10 26.8/27.3 3003A 1C260 0812000273	In Loma Linda, from Richardson Street to Sterling Avenue. Roadside safety improvements.  67 Location(s)	19-20 201.235	PA&ED	\$217	
			PS&E	\$240	
			R/W Sup	\$27	
			Con Sup	\$223	
			R/W Cap	\$7	
			<u>Const Cap</u>	<u>\$1,150</u>	
			Total	\$1,864	
72 08-SBd-10 27.3/28.3 3003C 1C270 0812000272	In Redlands, from Mountain View Avenue to California Street. Gore and slope paving, construct access roads and maintenance vehicle pull-outs, vegetation control under guardrail systems, remove dead plant material and relocate electrical and irrigation systems.  69 Location(s)	18-19 201.235	PA&ED	\$358	
			PS&E	\$417	
			R/W Sup	\$43	
			Con Sup	\$362	
			R/W Cap	\$7	
			<u>Const Cap</u>	<u>\$1,899</u>	
			Total	\$3,086	
73 08-SBd-10 30.0/30.9 26.8/34.2 3003F 0812000278 0817000219 1C290 1C29U	In Redlands, from east of Tennessee Street to Route 38 (Orange Street). Roadside safety improvements. In Loma Linda and Redlands, from Richardson Street Overcrossing to 0.1 mile west of Wabash Avenue Overcrossing.  81 Location(s) 487 Location(s)	19-20 18-19 201.235	PA&ED	\$256	\$350
			PS&E	\$299	\$695
			R/W Sup	\$32	\$30
			Con Sup	\$281	\$860
			R/W Cap	\$7	\$10
			<u>Const Cap</u>	<u>\$1,626</u>	<u>\$7,377</u>
			Total	\$2,501	\$9,322
74 08-SBd-10 31.7/32.9 3003E 1C280 0812000274	In Redlands, from west of University Avenue to west of Ford Street. Roadside safety improvements.  76 Location(s)	19-20 201.235	PA&ED	\$256	
			PS&E	\$299	
			R/W Sup	\$32	
			Con Sup	\$281	
			R/W Cap	\$7	
			<u>Const Cap</u>	<u>\$1,626</u>	
			Total	\$2,501	
75 08-SBd-40 R75.0/R100.0 3001R 0812000025 0R150	Near Essex, from west of Kelbaker Road to Essex Road. Re-grade and flatten median cross slope.  150 Collision(s) Reduced	19-20 18-19 201.015	PA&ED	\$3,000	
			PS&E	\$2,500	
			R/W Sup	\$200	
			Con Sup	\$3,200	
			R/W Cap	\$5,010	
			<u>Const Cap</u>	<u>\$21,178</u>	
			Total	\$35,088	

**List of 2016 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 09-Mno-395 51.2/51.7 0659 36550 0915000017	In Lee Vining, from 0.2 mile north of Utility Road to 0.2 mile north of First Street. Upgrade curb ramps, sidewalks and driveways to meet ADA standards.  66 Curb Ramp(s)	19-20 201.361	PA&ED	\$260	
			PS&E	\$711	
			R/W Sup	\$843	
			Con Sup	\$664	
			R/W Cap	\$338	
			<u>Const Cap</u>	<u>\$1,500</u>	
	Total		\$4,316		
77 10-Alp-88  3134 1013000009 0X750	Near Markleeville, on Routes 88, 89 and 4 at various locations. Bridge rail upgrade on four bridges.  550 Linear Feet	19-20 201.112	PA&ED	\$496	\$496
			PS&E	<del>\$949</del>	<b>\$1,460</b>
			R/W Sup	\$13	<b>\$110</b>
			Con Sup	\$1,229	<b>\$1,484</b>
			R/W Cap	\$176	<b>\$313</b>
			<u>Const Cap</u>	<u>\$4,224</u>	<b>\$5,451</b>
	Total		\$7,087	<b>\$9,314</b>	
78 10-Cal-4  3220 1017000042 1F740	In Calaveras and Amador Counties, on Routes 4 and 26 at various locations. Install centerline and edge-line rumble strips.  55 Collision(s) Reduced 24 Collision(s) Reduced	18-19 201.010	PA&ED	\$60	
			PS&E	\$840	
			R/W Sup	\$5	
			Con Sup	\$640	
			R/W Cap	\$5	
			<u>Const Cap</u>	<u>\$2,300</u>	
	Total		\$3,850		
79 10-Mer-99 20.5/24.3 20.1/24.3 5431 1013000259 3A720	In and near Atwater, from <b>0.4 mile south of</b> Buhach Road to south of Westside Boulevard. Roadway rehabilitation. (G13 Contingency Project)  16 Lane Mile(s) 16.8 Lane Mile(s)	18-19 201.122	PA&ED	\$1,973	\$1,973
			PS&E	<del>\$3,946</del>	<b>\$5,200</b>
			R/W Sup	\$148	<b>\$677</b>
			* Con Sup	\$7,892	<b>\$10,000</b>
			R/W Cap	\$447	<b>\$3,369</b>
			* <u>Const Cap</u>	<u>\$48,680</u>	<b>\$60,600</b>
	Total		\$63,086	<b>\$81,819</b>	
* Phase NOT Authorized.					
80 10-SJ-4 R16.6/R17.8 3198 1016000023 1C860	In Stockton, at Crosstown Freeway Viaduct (No. 29 -0269). Reconstruct hinge 32 (left and right) and three ramp joint seals.  1 Bridge(s)	18-19 201.119	PA&ED	\$648	\$648
			PS&E	\$848	\$848
			R/W Sup	\$37	\$37
			Con Sup	<del>\$361</del>	<b>\$631</b>
			R/W Cap	\$115	\$115
			<u>Const Cap</u>	<u>\$3,428</u>	<b>\$3,428</b>
	Total		\$5,437	<b>\$5,707</b>	



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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)	
81 10-SJ-5 10.7 3235B 1018000078 1H342	In and near Lathrop, at Deuel Overhead No. 29 -0262R/L. Improve to standard truck capacity. (PA&ED Only)  2.0 Bridge(s)	19-20 201.322	PA&ED * PS&E *R/W Sup *Con Sup * R/W Cap *Const Cap Total	\$498 \$925 \$70 \$1,700 \$440 \$7,700 \$11,333	
	* Phase NOT Authorized.				
82 10-SJ-5 10.7/R21.4 R21.4 3235 1017000113 1018000077 1H340 1H341	<del>In and near</del> <b>Near</b> Lathrop, at <del>Deuel Overhead No. 29</del> <del>-0262R/L</del> and Mathews Road Undercrossing 29-0218L. Improve to standard truck capacity.  3.0 Bridge(s) 1.0 Bridge(s)	17-18 201.322	PA&ED PS&E R/W Sup Con Sup R/W Cap Const Cap Total	\$798 \$935 \$75 \$1,989 \$450 \$9,410 \$13,657	\$798 \$300 \$5 \$700 \$10 \$2,000 \$3,813
83 10-SJ-88 13.5/14.1 3141 1013000260 0S740	Near Lockeford, from 0.1 mile south of East Jack Tone Road to north of North Tully Road intersection; also, near Kirkwood in Alpine County ( <del>PM 0.3/2.6</del> ) ( <b>PM</b> <b>0.3/2.4</b> ). Replace culverts.  30 Drainage System(s)	19-20 20-21 201.151	PA&ED PS&E R/W Sup Con Sup R/W Cap Const Cap Total	\$795 \$900 \$290 \$875 \$335 \$3,160 \$6,355	
84 11-SD-94 7.2/10.5 Var 1083 1112000140 41110	<del>In and near Lemon Grove at various locations, from</del> <del>west of College Avenue to Campo Road.</del> <b>In San Diego</b> <b>County, at various locations on Routes 94 and 125.</b> Improve maint. <b>maintenance</b> worker safety by installing access gates and Maintenance Vehicle Pullouts (MVP), paving, construct concrete barrier and other measures.  69 Location(s) 50 Location(s)	17-18 201.235	PA&ED PS&E R/W Sup Con Sup R/W Cap Const Cap Total	\$523 \$1,221 \$40 \$1,294 \$0 \$3,808 \$6,886	
85 11-SD-VAR  1022 1100020271 40580	In and near the cities of Chula Vista, National City, Coronado and San Diego on <del>Routes 5, 8, 52, 75, 163</del> and 805 at various locations. Upgrade curb ramps to comply with <del>Americans with Disabilities Act (ADA)</del> standards.  65 Curb Ramp(s) 72 ADA Unit(s)	17-18 201.361	PA&ED PS&E R/W Sup Con Sup R/W Cap Const Cap Total	\$841 \$1,856 \$134 \$1,678 \$90 \$4,394 \$8,993	\$841 \$1,856 \$134 \$1,137 \$300 \$2,755 \$7,023

**List of 2016 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)	
86 12-Ora-1 9.3 2293 1213000086 0M990	In Laguna Beach, at Route 133 (Broadway Street). Replace bridge.  1 Bridge(s)	19-20 201.110	PA&ED	\$270	\$270
			PS&E	\$650	\$650
			R/W Sup	\$790	\$790
			Con Sup	\$600	\$600
			R/W Cap	<del>\$540</del>	<del>\$800</del>
			<u>Const Cap</u>	<u>\$1,550</u>	<u>\$1,550</u>
			Total	<del>\$4,400</del>	<del>\$4,660</del>
87 12-Ora-5 3.3 2563 1216000004 0P700	In San Clemente, adjacent to northbound Avenida Pico offramp. Restore hydraulic capacity of channel by repairing concrete panels in channel slope and bottom.  1 Drainage System(s)	19-20 201.151	PA&ED	\$452	\$452
			PS&E	\$963	\$963
			R/W Sup	\$111	\$111
			Con Sup	<del>\$917</del>	<del>\$1,080</del>
			R/W Cap	\$15	\$15
			<u>Const Cap</u>	<u><del>\$2,469</del></u>	<u><del>\$4,303</del></u>
			Total	<del>\$4,927</del>	<del>\$6,924</del>
88 12-Ora-39 5.1/8.1 3167 1215000022 0P010	In Huntington Beach, Westminster and Garden Grove, at the intersections of Heil Avenue (PM 5.14), MacDonald Street (PM 5.30) and Trask Avenue (PM 8.14); also on Route 90 in Brea at the intersection of Castlegate Lane/Placentia Avenue (PM 5.93). Modify existing signals and lighting and upgrade ADA facilities to current standards.  141 Collision(s) Reduced	<del>19-20</del> <b>18-19</b> 201.010	PA&ED	\$500	\$500
			PS&E	\$750	\$750
			R/W Sup	\$420	\$420
			Con Sup	\$720	\$720
			R/W Cap	\$400	\$400
			<u>Const Cap</u>	<u>\$1,570</u>	<u>\$1,570</u>
			Total	\$4,360	\$4,360
89 12-Ora-57 16.3/20.9 3799 1214000042 0M480	In Fullerton and Placentia, from Orangethorpe Avenue to Lambert Road. Upgrade pedestrian facilities to meet current ADA standards.  91 Curb Ramp(s)	<del>18-19</del> <b>17-18</b> 201.378	PA&ED	\$290	\$290
			PS&E	\$875	\$875
			R/W Sup	\$1	\$1
			Con Sup	<del>\$710</del>	<del>\$850</del>
			R/W Cap	\$20	\$20
			<u>Const Cap</u>	<u><del>\$1,100</del></u>	<u><del>\$1,300</del></u>
			Total	<del>\$2,996</del>	<del>\$3,336</del>
90 12-Ora-74 0.1/1.8 4097C 1200020302 0M090	In San Juan Capistrano, from Route 5 to the San Juan Capistrano city line. Upgrade pedestrian facilities to meet current ADA standards.  48 Curb Ramp(s)	18-19 201.361	PA&ED	\$290	\$290
			PS&E	\$940	\$940
			R/W Sup	\$600	\$600
			Con Sup	<del>\$910</del>	<del>\$1,128</del>
			R/W Cap	\$122	\$122
			<u>Const Cap</u>	<u><del>\$1,307</del></u>	<u><del>\$1,620</del></u>
			Total	<del>\$4,169</del>	<del>\$4,700</del>

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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)	
91 12-Ora-133 0.9/1.2 4769 1214000124 0N870	In Laguna Beach, at and north of Canyon Acres Drive. Extend the northbound lane reduction transition.  34 Collision(s) Reduced	18-19 201.010	PA&ED	\$0	\$0
			PS&E	\$1,100	\$1,100
			R/W Sup	\$150	\$150
			Con Sup	<del>\$471</del>	<del>\$789</del>
			R/W Cap	<del>\$692</del>	<del>\$536</del>
			<u>Const Cap</u>	<u><del>\$633</del></u>	<u><del>\$1,189</del></u>
			Total	\$3,446	\$3,764
92 12-Ora-133 3.1/3.6 4793 1213000097 0N060	In Laguna Beach, from 1,700 feet south to 1,300 feet north of El Toro Road. Extend lanes in both directions.  65 Collision(s) Reduced	19-20 201.010	PA&ED	\$1,215	\$1,215
			PS&E	\$1,820	\$1,820
			R/W Sup	\$550	\$550
			Con Sup	<del>\$1,306</del>	<del>\$2,109</del>
			R/W Cap	\$1,230	\$1,230
			<u>Const Cap</u>	<u><del>\$3,870</del></u>	<u><del>\$6,032</del></u>
			Total	\$9,991	\$12,956
93 12-Ora-133 3.1/R4.3 4792 1216000133 0Q360	In Orange County, from 0.3 mile south of El Toro Road to 0.2 mile north of Route 73/133 Interchange. Construct detention basin, reconstruct channel, extend reinforced concrete box and re-grade to prevent adverse flow.  2 Drainage System(s)	19-20 201.151	PA&ED	\$1,125	\$1,125
			PS&E	\$1,712	\$1,712
			R/W Sup	\$766	\$766
			Con Sup	<del>\$941</del>	<del>\$1,188</del>
			R/W Cap	\$1,467	\$1,467
			<u>Const Cap</u>	<u><del>\$1,425</del></u>	<u><del>\$2,095</del></u>
			Total	\$7,436	\$8,353
94 12-Ora-133 3.4/13.6 4795A 1214000077 0N660	In and near Laguna Beach and Irvine, from 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.  63 Collision(s) Reduced	18-19 201.015	PA&ED	\$830	\$830
			PS&E	<del>\$1,750</del>	<del>\$1,943</del>
			R/W Sup	\$70	\$70
			Con Sup	<del>\$1,950</del>	<del>\$2,165</del>
			R/W Cap	\$0	\$0
			<u>Const Cap</u>	<u><del>\$6,960</del></u>	<u><del>\$9,500</del></u>
			Total	\$11,560	\$14,508
95 12-Ora-241 18.3/18.7 5492E 1213000194 0N300	In Santa Margarita, at the Santa Margarita Parkway northbound off/on ramps. Improve corner sight distance on the off ramp and improve the vertical curve, cross slope, drainage and overlay open grade asphalt concrete on the on ramp.  55 Collision(s) Reduced	17-18 201.010	PA&ED	\$227	\$227
			PS&E	\$576	\$576
			R/W Sup	\$13	\$13
			Con Sup	\$413	\$413
			R/W Cap	\$0	\$3
			<u>Const Cap</u>	<u><del>\$1,100</del></u>	<u><del>\$1,192</del></u>
			Total	\$2,329	\$2,424