

M e m o r a n d u m

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: May 16-17, 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-001

ISSUE:

Should the California Transportation Commission (Commission) approve the California Department of Transportation (Department) request to amend the State Highway Operation and Protection Program (SHOPP) under SHOPP Amendment 18H-001?

RECOMMENDATION:

The Department recommends that 8 new capital projects to be amended into the 2018 SHOPP, as detailed in Attachment 1. These amendments summerized below, would be funded from the Major Damage Restoration, Collision Reduction, Roadway Preservation and 2018 SHOPP programming capacity

2018 SHOPP Summary of New Projects by Category	No.	FY 2018-19 (\$1,000)	FY 2019-20 (\$1,000)	FY 2020-21 (\$1,000)	FY 2021-22 (\$1,000)
Major Damage Restoration	3			\$75,666	
Collision Reduction	4			\$11,621	\$2,581
Roadway Preservation	1				\$4,071
Total Amendments	8			\$87,287	\$6,652

The Department further recommends that the capital projects, detailed in Attachment 2 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 Governor 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.
Major Damage Restoration						
1 07-LA-14 R27.0/R28.1 5293 0717000331 34280	In Santa Clarita, from north of Newhall Avenue to Placerita Canyon Road. Permanent restoration of sideslope storm damage by constructing three retaining walls to stabilize slopes and prevent material from falling onto the roadway.	20-21	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,870 \$4,222 \$3,543 \$7,547 \$3,590 <u>\$24,410</u> \$45,182	18-19 19-20 19-20 20-21 20-21 20-21	201.131 Assembly: 38 Senate: 21 Congress: 25 1 Location(s)
	PA&ED: 12/3/2018 R/W: 11/30/2020 RTL: 12/31/2020 BC: 8/26/2021					
2 07-LA-405 48.0/48.5 5296 0718000008 34320	In the city of Los Angeles (Granada Hills, Mission Hills, Sylmar), from Rinaldi Street to Route 5. Permanent restoration of eroded roadway cut-slopes, modification of drainage systems, and placement of erosion control measures.	20-21	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,579 \$2,297 \$430 \$5,025 \$10 <u>\$14,357</u> \$23,698	18-19 19-20 19-20 20-21 20-21 20-21	201.131 Assembly: 39 Senate: 18 Congress: 29, 30 1 Location(s)
	PA&ED: 12/5/2019 R/W: 1/18/2021 RTL: 3/18/2021 BC: 10/21/2021					
3 08-Riv-74 R48.8/49.2 3010H 0817000182 1J020	Near Hemet, from 0.7 mile east to 1.1 miles east of Blackburn Road. Permanent restoration of slope erosion and drainage systems.	20-21	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$983 \$1,374 \$77 \$1,077 \$63 <u>\$3,212</u> \$6,786	18-19 19-20 19-20 20-21 20-21 20-21	201.131 Assembly: 71 Senate: 28 Congress: 36 1 Location(s)
	PA&ED: 1/9/2020 R/W: 1/7/2021 RTL: 2/8/2021 BC: 8/2/2021					
Collision Reduction						
4 05-SLO-101 27.9 2740 0517000101 1J440	In the city of San Luis Obispo, at Marsh Street. Correct roadway cross slopes and construct drainage improvements.	20-21	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$333 \$715 \$25 \$309 \$4 <u>\$775</u> \$2,161	18-19 18-19 19-20 20-21 20-21 20-21	201.010 Assembly: 35 Senate: 17 Congress: 24 20 Collision(s) reduced
	PA&ED: 5/1/2019 R/W: 4/30/2020 RTL: 7/8/2020 BC: 10/21/2020					

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.
<i>Collision Reduction, continued</i>						
5 06-Tul-Var Var 6898 0618000013 0X040	In and near Porterville, on Routes 65 and 190 at various locations. Install centerline and shoulder rumble strips.	20-21	PA&ED	\$750	18-19	201.010
			PS&E	\$730	19-20	Assembly: 26
			R/W Sup	\$20	19-20	Senate: 16
			Con Sup	\$630	20-21	Congress: 22
			R/W Cap	\$17	19-20	
			<u>Const Cap</u>	<u>\$1,800</u>	20-21	26 Collision(s) reduced
			Total	\$3,947		
PA&ED:	1/9/2020					
R/W:	10/2/2020					
RTL:	11/2/2020					
BC:	7/21/2021					
6 12-Ora-1 20.4/23.7 2403B 1217000114 0Q830	In Newport Beach and Huntington Beach, at the intersection with Superior Avenue/Balboa Boulevard (PM 20.37) and at the intersection with Beach Boulevard (Route 39) (PM 23.74). Improve safety by modifying the traffic signals, adding safety lighting, refreshing pavement striping, and upgrading pedestrian facilities to Americans with Disabilities Act (ADA) standards.	21-22	PA&ED	\$300	18-19	201.010
			PS&E	\$850	19-20	Assembly: 74
			R/W Sup	\$0		Senate: 37
			Con Sup	\$450	21-22	Congress: 48
			R/W Cap	\$26	21-22	
			<u>Const Cap</u>	<u>\$955</u>	21-22	68 Collision(s) reduced
			Total	\$2,581		
PA&ED:	11/13/2019					
R/W:	7/14/2021					
RTL:	8/11/2021					
BC:	1/3/2022					
7 12-Ora-91 R1.8/R3.4 4532A 1216000124 0Q310	In Buena Park, in eastbound direction from Knott Avenue to Route 5. Enhance lane assignment and motorist safety by installing additional guide sign structures, upgrading sign panels and guardrail, refreshing and extending striping, and reconstructing concrete median barrier.	20-21	PA&ED	\$640	18-19	201.010
			PS&E	\$908	18-19	Assembly: 65
			R/W Sup	\$10	18-19	Senate: 29
			Con Sup	\$810	20-21	Congress: 39
			R/W Cap	\$5	20-21	
			<u>Const Cap</u>	<u>\$3,140</u>	20-21	253 Collision(s) reduced
			Total	\$5,513		
PA&ED:	5/1/2019					
R/W:	7/1/2020					
RTL:	8/1/2020					
BC:	1/2/2021					

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.	
<i>Roadway Preservation, continued</i>						
Roadway Preservation						
8 02-Mod-139 R2.5/30.5 3589 0215000052 0H570	Near Canby, from 0.3 mile north of Howards Gulch Bridge to 0.1 mile north of Clear Lake Road, at various locations. Improve drainage facilities by repairing or replacing culverts.	21-22	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$890 \$360 \$250 \$700 \$71 <u>\$1,800</u> \$4,071	18-19 20-21 20-21 21-22 21-22 21-22	201.151 Assembly: 1 Senate: 1 Congress: 1 15 Culvert(s)
	PA&ED: 5/15/2021					
	R/W: 5/22/2022					
	RTL: 6/1/2022					
	BC: 9/20/2022					

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 03-Gle-162 76.3/78.6 2633 0312000052 3F060	At Butte City, from Route 45 to 0.1 mile east of McDougall Street. Replace truss section on Sacramento River Bridge No. 11-0017 over the river channel and reconstruct east side roadway to conform with new structure. (PA&ED Only)	21-22 201.113	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$5,500 \$0 \$0 \$0 \$0 \$0 \$5,500	Prior \$5,500	\$5,500 \$5,500 \$1,000 \$4,000 \$4,000 \$34,000 \$54,000	Prior 19-20 19-20 21-22 21-22 21-22
	<u>Performance Measure</u> 1 Bridge(s)						

Note: Technical correction to correct the programming in the 2018 SHOPP to reflect the truss section of the bridge as identified by Commission comments and Department response.

2 03-Pla-80 2.8 5113 0315000174 0H460	In Roseville, at the Atlantic Street/Eureka Road westbound onramp. Install ramp meters and widen ramp for storage capacity.	18-19 19-20 201.310	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$700 \$700 \$130 \$900 \$270 \$6,440 \$9,140	Prior Prior Prior 19-20 19-20 19-20 19-20	\$700 \$700 \$130 \$900 \$270 \$6,440 \$9,140	Prior Prior Prior 19-20 19-20 19-20 19-20
	<u>Performance Measure</u> 1,542.0 Daily vehicle hour(s) of delay (DVHD)						

Note: Technical correction to delivery fiscal year to correct error reported in 2018 SHOPP.

3 03-Pla-80 Var 4291 0315000164 0H400	In various counties on various routes, at various locations. Upgrade Extinguishable Message Signs (EMS) to LED.	19-20 201.315	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$190 \$210 \$30 \$500 \$0 \$1,600 \$2,530	Prior Prior Prior 19-20 19-20 19-20 19-20	\$190 \$210 \$30 \$500 \$35 \$1,600 \$2,565	Prior Prior Prior 19-20 19-20 19-20
	<u>Performance Measure</u> 62 Field element(s) 7 Field element(s)						

Note: R/W capital is required for previously unknown utility relocation work. The original scope was to upgrade EMS signs to LED technology and to connect to communication lines. It has since been determined that there is also a need to upgrade the associated poles, foundations, electrical cabinets, guardrails and Maintenance Vehicle Pullouts to current standards. To keep the project within the programmed amount, 55 locations will be removed from the scope of work and opportunities will be explored to add these locations to future projects.

**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 04-Ala-13 T9.8/10.8 0144A 0400021103 2G660	In Oakland and Berkeley, from Hiller Drive to Claremont Avenue at various locations. Upgrade American with Disabilities Act (ADA) facilities. <u>Performance Measure</u> 36 Curb ramp(s) 16 Curb ramp(s)	18-19 201.378	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$870 \$740 \$140 \$580 \$200 <u>\$2,673</u> \$5,203	Prior 18-19 18-19 18-19 18-19 18-19 18-19	\$870 \$740 \$140 \$580 \$200 <u>\$2,673</u> \$5,203	Prior 18-19 18-19 18-19 18-19 18-19 18-19
Note: The original performance measure of 36 was incorrectly identified, and should have been 18 curb ramps. Two curb ramps will be removed due to utility conflicts, and will be included in 04-2G460.							
5 04-Ala-13 12.1/13.4 0124L 0415000362 2G482	In Berkeley, from Shattuck Avenue to 7th Street. Upgrade curb ramps and sidewalks. <u>Performance Measure</u> 34 Structure(s) 14 Curb ramp(s)	18-19 201.378	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$455 \$1,000 \$200 \$793 \$125 <u>\$3,500</u> \$6,073	Prior Prior Prior 18-19 18-19 18-19 18-19	\$455 \$1,000 \$200 \$793 \$125 <u>\$3,500</u> \$6,073	Prior Prior Prior 18-19 18-19 18-19 18-19
Note: The performance measure of 34 should have been made 17 curb ramps when the project was previously split. Additionally, three newly identified curb ramps will be added to the scope. Six other locations will be removed due to utility conflicts, and will be included in 04-2G460.							
6 04-Ala-185 0.0 1487P 0415000099 3J190	In Oakland, San Leandro, Hayward, Union City and Fremont on Routes 185, 238, and 262 at various locations. Crosswalk safety enhancements. <u>Performance Measure</u> 231 Collision(s) reduced	18-19 201.015	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$500 \$740 \$66 \$830 \$10 <u>\$3,521</u> \$5,667	Prior 18-19 18-19 18-19 18-19 18-19 18-19	\$500 \$740 \$66 \$830 \$10 <u>\$3,521</u> \$5,717	Prior 18-19 18-19 18-19 18-19 18-19 18-19
Note: Technical correction to PA&ED cost to correct error reported in the 2018 SHOPP.							
7 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 reconstruct shoulders. <u>Performance Measure</u> 85 Collision(s) reduced	19-20 18-19 201.010	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$230 \$450 \$75 \$675 \$10 <u>\$2,420</u> \$3,860	Prior 18-19 18-19 18-19 18-19 18-19 18-19	\$230 \$450 \$75 \$675 \$10 <u>\$2,420</u> \$3,860	Prior 18-19 18-19 18-19 18-19 18-19 18-19
Note: Technical correction to delivery fiscal year to correct error reported in 2018 SHOPP.							

**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)			
8 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.	18-19 201.113	PA&ED	\$1,144	Prior	\$1,144	Prior
			PS&E	\$1,034	Prior	\$1,034	Prior
			R/W Sup	\$66	Prior	\$66	Prior
			Con Sup	\$550	18-19	\$600	18-19
			R/W Cap	\$90	18-19	\$90	18-19
			<u>Const Cap</u>	\$2,414	18-19	\$2,635	18-19
			Total	\$5,298		\$5,569	
			<u>Performance Measure</u> 3 Bridge(s)				
Note: Additional construction support and capital costs are needed to construct median barrier surrounding the bridge columns, additional storm water mitigation, and architectural treatment needed to minimize the effects of graffiti.							
9 04-Sol-84 12.0/12.4 0886 0400000343 0G660	Near Rio Vista, at Miner Slough Bridge No. 23 -0035. Replace bridge.	19-20 201.110	PA&ED	\$3,000	Prior	\$3,000	Prior
			PS&E	\$3,500	Prior	\$3,500	Prior
			R/W Sup	\$1,096	18-19	\$1,098	18-19
			Con Sup	\$3,500	19-20	\$3,500	19-20
			R/W Cap	\$2,884	19-20	\$2,884	19-20
			<u>Const Cap</u>	\$24,500	19-20	<u>\$24,500</u>	19-20
			Total	\$38,480		\$38,482	
			<u>Performance Measure</u> 1 Bridge(s)				
Note: Technical correction to R/W Sup cost to correct error reported in the 2018 SHOPP.							
10 05-Mon-Var Var 2595 0514000140 1G310	In Monterey, Santa Cruz and San Benito Counties, on various routes at various locations. Replace and install advance curve warning signs.	18-19 201.015	PA&ED	\$754	Prior	\$754	Prior
			PS&E	\$1,044	18-19	\$1,044	18-19
			R/W Sup	\$35	18-19	\$35	18-19
			Con Sup	\$552	18-19	\$552	18-19
			R/W Cap	\$48	18-19	\$48	18-19
			<u>Const Cap</u>	\$1,852	18-19	<u>\$1,852</u>	18-19
			Total	\$4,285		\$4,285	
			<u>Performance Measure</u> 1107 Collision(s) reduced 18 Collision(s) reduced				
Note: In Spring of 2017 the method for calculating performance measure was changed resulting in a revised value.							
11 05-SB-1 15.6 1501Y 0518000097 0A051	Near Lompoc, at the Salsipuedes Creek Bridge No. 51-0095. Biological monitoring mitigation for project 05-0A050.	20-21 201.111	PA&ED			\$0	
			PS&E			\$0	
			R/W Sup			\$0	
			Con Sup			\$100	20-21
			R/W Cap			\$0	
			<u>Const Cap</u>			<u>\$0</u>	
			Total			\$100	
			<u>Performance Measure</u> 0 Bridge(s)				

Note: New child project to provide biological monitoring mitigation for bridge replacement project 05- 0A050.

**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)			
12 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	\$1,684	Prior	\$1,684	Prior
			R/W Sup	\$10	Prior	\$10	Prior
			Con Sup	\$1,180	18-19	\$1,180	18-19
			R/W Cap	\$5	18-19	\$25	18-19
			<u>Const Cap</u>	\$2,800	18-19	\$3,440	18-19
			Total	\$5,919		\$6,579	

Note: Updated construction capital increase due to higher industry wide unit prices, especially for this type of project with limited sub-contractor availability. Increase in R/W capital is due to higher than anticipated permit fees and due to unanticipated high-risk utility conflict identification.

13 05-SB-Var Var 2594 0514000138 1G300	In Santa Barbara and San Luis Obispo Counties, on various routes at various locations. Replace and install advance curve warning signs. <u>Performance Measure</u> 1277 Collision(s) reduced 20 Collision(s) reduced	18-19 201.015	PA&ED	\$780	Prior	\$780	Prior
			PS&E	\$1,125	18-19	\$1,125	18-19
			R/W Sup	\$41	18-19	\$41	18-19
			Con Sup	\$629	18-19	\$629	18-19
			R/W Cap	\$48	18-19	\$48	18-19
			<u>Const Cap</u>	\$2,084	18-19	\$2,084	18-19
			Total	\$4,707		\$4,707	

Note: In Spring of 2017 the method for calculating performance measure was changed resulting in a revised value.

14 05-SCr-17 9.4/9.6 9.1/9.9 2593 0514000131 1G260	Near Scotts Valley, from 0.06 0.4 miles south of Laurel Road to 0.25 0.5 miles north of Laurel Road. Construct wildlife Undercrossing. Funding for PA&ED, PS&E and R/W only. Local contributions to fund remaining components. <u>Performance Measure</u> 1 Location(s)	19-20 20-21 201.240	PA&ED	\$738	Prior	\$738	Prior
			PS&E	\$2,013	19-20	\$2,013	18-19
			R/W Sup	\$226	19-20	\$226	18-19
			Con Sup	\$0		\$0	
			R/W Cap	\$138	19-20	\$138	20-21
			<u>Const Cap</u>	\$0		\$0	
			Total	\$3,115		\$3,115	

Note: Revised delivery year due to extensive negotiations in finalizing credit agreement with California Fish and Wildlife. Revised project limits to include area for fencing.

15 05-SCr-Var Var 2590 0514000118 1G160	In Santa Cruz County, on Routes 1, 9, 17, 129, and 152 at various locations. Install Accessible Pedestrian Signals (APS). <u>Performance Measure</u> 176 Curb ramp(s) 136 Curb ramp(s)	18-19 201.361	PA&ED	\$272	Prior	\$272	Prior
			PS&E	\$883	Prior	\$883	Prior
			R/W Sup	\$20	Prior	\$20	Prior
			Con Sup	\$406	18-19	\$438	18-19
			R/W Cap	\$11	18-19	\$11	18-19
			<u>Const Cap</u>	\$1,700	18-19	\$1,582	18-19
			Total	\$3,372		\$3,206	

Note: Another project (05-1C850) is within same limits and will construct the removed units.

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 05-SLO-101 0-0 2508 1F370 0513000135	In the city of San Luis Obispo, from north of Marsh Street Bridge to Broad Street; also in Atascadero on Route 41 from Old Morro Road to Atascadero Creek Bridge (PM 12.5/13.3). Upgrade highway safety features.	19-20 201.015	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$834 \$970 \$92 \$843 \$7 \$3,800 \$6,546	Prior 48-19 48-19 49-20 49-20 49-20 19-20		
	<u>Performance Measure</u> 33 Collision(s) Reduced						
Note: Delete project. Project had two locations, one has been identified as a no-build alternative and the other location will be incorporated into 05-1F490.							
17 05-SLO-101 36.6 54.9/55.7 2518 0514000002 1F490	In and near Atascadero, from Santa Margarita Creek 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 \$1,097 \$50 \$805 \$50 \$2,087 \$5,084	Prior 19-20 19-20 19-20 19-20 19-20 19-20	\$395 \$1,475 \$95 \$1,187 \$103 \$3,668 \$6,923	Prior 19-20 19-20 19-20 19-20 19-20
	<u>Performance Measure</u> 29 Collision(s) reduced 38 Collision(s) reduced						
Note: Eliminating one location because work is beyond scope of the project. Incorporate one location from deleted project 05-1F370.							
18 06-Fre-33 69.3/70.9 6747 0615000043 0T250	In Firebaugh, from south of Morris Kyle Drive to Clyde Fannon Drive. Construct continuous accessible pedestrian path 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	\$221 \$780 \$230 \$475 \$616 \$2,085 \$4,407	Prior Prior Prior 18-19 18-19 18-19 18-19	\$221 \$780 \$240 \$475 \$616 \$2,085 \$4,417	Prior Prior Prior 18-19 18-19 18-19 18-19
	<u>Performance Measure</u> 19 Curb ramp(s)						
Note: Technical correction to R/W Sup cost to correct error reported in the 2018 SHOPP.							
19 06-Fre-99 R0.9/R5.0 6727 0615000038 0S460	In and near Kingsburg, from Route 201 to south of Second Street. Roadway rehabilitation.	18-19 201.122	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$677 \$1,496 \$43 \$5,000 \$375 \$39,851 \$47,442	Prior Prior Prior 18-19 18-19 18-19 18-19	\$577 \$1,496 \$43 \$5,000 \$375 \$39,851 \$47,342	Prior Prior Prior 18-19 18-19 18-19 18-19
	<u>Performance Measure</u> 16.2 Lane Mile(s)						
Note: Technical correction to PA&ED cost to correct error reported in the 2018 SHOPP.							

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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)			
20 08-Riv-91 7.4/15.6 7.4/16.9 3005X 0816000194 1G192	In the cities from Corona and Riverside, from Route 15/91 separator to Adams Street overcrossing 0.3 mile east of Madison Street Undercrossing. Convert existing limited access HOV lanes to continuous access HOV lanes to allow safer ingress and egress movements for HOV.	18-19 201.310	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$33 \$96 \$10 \$162 \$10 <u>\$463</u> \$774	Prior Prior Prior 18-19 18-19 18-19 18-19	\$33 \$96 \$10 \$162 \$10 <u>\$463</u> \$774	Prior Prior Prior 18-19 18-19 18-19 18-19
	<u>Performance Measure</u> 126.0 1,000 vehicle hour(s)/yr						
Note: Extend project limits to provide striping consistency to beginning of adjacent project.							
21 08-SBd-215 2.4/3.0 3002S 0815000034 1F730	In Colton, from 0.3 mile south to 0.3 mile north of Washington Avenue Street Overcrossing No. 54 -0530. Replace overcrossing.	19-20 201.110	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,125 \$2,870 \$296 \$1,790 \$3,726 \$17,871 \$27,678	Prior Prior Prior 19-20 19-20 19-20 19-20	\$1,125 \$2,870 \$296 \$4,300 \$4,357 \$18,395 \$31,343	Prior Prior Prior 19-20 19-20 19-20 19-20
	<u>Performance Measure</u> 1 Bridge(s)						
Note: Increase in project scope and cost due to a widened replacement overcrossing that will accommodate a longer left-turn lane and also due to added reconstruction of adjacent intersection to make roadway alignments standard.							
22 10-Ama-88 Var 3119 1015000004 1C690	In Amador County, on Route 88 and in Tuolumne County of on Routes 120,108 and 49, at various locations. Rehabilitate culverts.	18-19 201.151	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$250 \$448 \$65 \$616 \$26 \$2,328 \$3,733	Prior 18-19 Prior 18-19 18-19 18-19 18-19	\$250 \$448 \$65 \$616 \$55 \$2,640 \$4,074	Prior 18-19 Prior 18-19 18-19 18-19 18-19
	<u>Performance Measure</u> 35 Culvert(s)						
Note: Increase in R/W Capital due to higher permit costs than anticipated. Increase in construction capital is due to the requirement for a contractor provided biologist and development of a Natural Resource Protection Plan in compliance with permit requirements.							
23 10-Cal-4 R10.3/16.4 3067A 1018000164 0E531	Near Copperopolis and Angels Camp, from 2.0 miles east of Main Street to Stallion Way. Realign roadway roadway , implement safety features by improving shoulder width, and rehabilitate culverts.	20-21 201.999	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$10,325 \$0 \$0 \$10,325	 20-21 20-21	\$0 \$0 \$0 \$0 \$0 \$10,325 \$10,325	 20-21
	<u>Performance Measure</u> 12.2 Centerline mile(s)						
Note: Technical correction to Const Cap and Con Sup cost to correct error reported in the 2018 SHOPP.							