

**TAB 82**

**MEMORANDUM**

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

**CTC Meeting:** December 7-8, 2022

**From:** STEVEN KECK, Chief Financial Officer

**Reference Number:** 2.1a.(1), Action Item – ***YELLOW REPLACEMENT ITEM***

**Prepared By:** James R. Anderson, Chief  
Division of Financial Programming

**Subject:** **SHOPP AMENDMENT 22H-005**

**Book Item Update:** *Book Item Memorandum and Attachments replaced to correct the program code for PPNO 5977 in Attachment 2.1a.(1a) from 201.015 to 201.110, change the associated performance measure, and update amounts for PS&E, Con Sup, and Const Cap. Delete a Collision Reduction component and add a Bridge Preservation component in the table on page 2 of the Memorandum. Update notes on PPNO 2524 and PPNO 2920. Also delete Attachment 2.1a.(1f). Project PPNO 2417 is being removed.*

**ISSUE:**

Should the California Transportation Commission (Commission) approve the California Department of Transportation's (Department) request to amend the 2022 State Highway Operation and Protection Program (SHOPP) under SHOPP Amendment 22H-005?

**RECOMMENDATION:**

The Department recommends that the Commission approve SHOPP Amendment 22H-005 that will amend the 2022 SHOPP, 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 15 new capital projects be amended into the 2022 SHOPP, as detailed in 2.1a.(1a). This amendment, summarized below, would be funded from the Major Damage Restoration, Collision Reduction, and 2022 SHOPP programming capacity. These projects are consistent with the 2018 Transportation Asset Management Plan (TAMP).

*"Provide a safe and reliable transportation network that serves all people and respects the environment."*

2022 SHOPP Summary of New Projects	No.	FY 2021-22 (\$1,000)	FY 2022-23 (\$1,000)	FY 2023-24 (\$1,000)	FY 2024-25 (\$1,000)	FY 2025-26 (\$1,000)
Major Damage Restoration	13	\$1,193	\$41,582	\$0	\$0	\$0
Collision Reduction	1	\$0	\$0	\$0	\$5,888	\$0
Bridge Preservation	1	\$0	\$0	\$0	\$10,744	\$0
Total New Amendments	15	\$1,193	\$41,582	\$0	\$16,632	\$0

Also, the Department recommends to begin the development of one new Long Lead project, as detailed in 2.1a.(1c). Resolution G-00-13, established in June 2000, provides the Department with authority to develop Long Lead SHOPP projects which require periods longer than the standard four-year SHOPP cycle. Long Lead projects must identify challenges that require additional time beyond the typical four years to complete.

The Department further recommends that the capital projects detailed in 2.1a.(1d) be amended in the 2022 SHOPP to update scope, schedule, cost and make other technical changes. The amended projects are consistent with the Commission-adopted 2018 TAMP.

**BACKGROUND:**

In each even-numbered year, the Department prepares a 4-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

*“Provide a safe and reliable transportation network that serves all people and respects the environment.”*

# TAB 82 - YELLOW REPLACEMENT ITEM

Reference No.:2.1a.(1a)  
December 7-8, 2022  
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## List of New 2022 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 01-Hum-101 78.7L/79.7 2593 0123000014 0M440	In Eureka, from I Street to W Street on southbound Route 101. Reconstruct damaged pavement and repair sidewalk.  <u>Note:</u> On July 28, 2022, an errant vehicle struck a fire hydrant causing City of Eureka's water main to rupture. The excess water caused a large sinkhole and roadway heaving, requiring closure of the lane. Abatement will be pursued pending investigation. This project will reconstruct damaged pavement and repair sidewalk.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$10 \$360 \$0 <u>\$1,200</u> \$1,570	201.130 Assembly: 1 Senate: 2 Congress: 1 1 Location(s)
2 01-Men-101 42.0/R43.5 4796 0123000023 0M500	Near Willits, from 1.8 miles south to 0.3 mile south of Route 20. Stabilize embankment, replace culverts, signs, fencing and guardrail, and install erosion control.  <u>Note:</u> On September 1, 2022, a wildfire broke out along the roadway. The fire spread rapidly burning along approximately a half-mile stretch forcing the closure of a lane. The fire has caused damage to guardrails, signs, fencing, embankment, and drainage. This project will stabilize embankment, replace culverts, signs, fencing and guardrail, and install erosion control.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$20 \$870 \$10 <u>\$2,900</u> \$3,800	201.130 Assembly: 1 Senate: 2 Congress: 1 1 Location(s)
3 05-SBt-101 R4.0 3097 0522000142 1Q040	Near San Juan Bautista, at 0.2 mile south of Anzar Road Undercrossing. Repair damaged pavement.  <u>Note:</u> On September 6, 2022, the Department was notified of pavement deformation on the southbound lanes. Further investigations resulted in finding similar vertical deformation in the northbound lanes. The pavement deformation is a result of activity on the San Andreas fault. This project will remove and replace damaged pavement and restore roadway profile.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$130 \$0 <u>\$650</u> \$780	201.130 Assembly: 30 Senate: 12 Congress: 20 1 Location(s)

## List of New 2022 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.
4 07-LA-5 R61.5R/R63.7R 5997 0723000026 2CX00	Near Castaic, from 2.0 miles north of Lake Hughes Road to 2.3 miles south of Templin Highway (Left and Right alignments). Replace fire damaged guardrail, signs, and drainage systems.  <u>Note:</u> On August 31, 2022, the Route Fire began near Castaic lake. The wildfire grew to over 5,200 acres after the first night. The fire burned and damaged roadside signs, guardrail, and drainage systems, as well as timber laggings on two soldier pile walls, which are still being assessed for damage while a team works out a repair strategy. This project will shut down lanes near the damaged walls and pave inside shoulders for additional temporary traffic capacity, remove debris, and remove and replace damaged guardrail, signs, and drainage systems.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$200 \$0 \$800 \$0 <u>\$3,300</u> \$4,300	22-23 22-23 22-23	201.130 Assembly: 38 Senate: 21 Congress: 25 2 Location(s)
5 08-Riv-95 24.0/33.7 3020G 0823000017 1N560	Near Vidal, from Water Wheel Resort to Agnes Wilson Road. Repair storm damaged roadway and restore Rock Slope Protection (RSP).  <u>Note:</u> A severe storm from August 14-18, 2022 caused flooding, debris flows, and erosion among multiple sections of Route 95. This project is necessary to provide traffic control, repair concrete slope paving, restore Rock Slope Protection, and restore and repave damaged sections of roadway.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$10 \$240 \$10 <u>\$950</u> \$1,210	22-23 22-23 22-23	201.130 Assembly: 56 Senate: 28 Congress: 36 2 Location(s)
6 08-SBd-15 173.7R 3020R 0823000020 1N580	Near Mountain Pass, at Wheaton Wash Bridge No. 54-0621L, also at Dry Lake Ditch Bridge No. 54-0317L (PM 180.9). Repair scour damaged bridges.  <u>Note:</u> On August 24, 2022, a severe storm caused flooding along Route 16, scouring the bridge abutment and piers at Dry Lake Ditch Bridge and Wheaton Wash Bridge. This project will remove debris, repair embankments, restore piers and abutments, install Rock Slope Protection (RSP), and repair damaged pavement.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$50 \$1,800 \$150 <u>\$3,550</u> \$5,550	22-23 22-23 22-23	201.130 Assembly: 33 Senate: 16 Congress: 8 2 Location(s)

## List of New 2022 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.
7 09-Iny-190 18.0/41.0 2703 0923000019 39600	Near Olancha, from 8.2 miles east of Route 395 to 0.6 mile west of Saline Valley Road; also from 2.1 miles east of Panamint Road to 4.5 miles west of Wildhorse Canyon Road (PM 60.0/72.0). Repair storm damaged washouts, drainage systems, and pavement, construct concrete apron and Rock Slope Protection (RSP), and remove debris.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$200 \$200 \$40 \$1,400 \$0 <u>\$6,000</u> \$7,840	22-23 22-23 22-23 22-23 22-23 22-23 22-23	201.130 Assembly: 26 Senate: 9 Congress: 8 30 Location(s)

Note: From September 11, 2022, to September 13, 2022, this area experienced rainfall due to Tropical Storm Kay. Storm conditions damaged signs, left debris, and washed out pavement and drainage systems. This project is needed to remove debris, repair washouts, repair earthen ditches, construct concrete aprons, place Rock Slope Protection (RSP), and repair pavement.

8 10-Alp-89 14.9/R17.3 3562 1023000022 1Q490	Near Markleeville, from Webster Street to Turtle Rock Park Road. Repair storm damaged washouts, ditches, and pavement, construct concrete apron and Rock Slope Protection (RSP), and remove debris.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$200 \$0 \$100 \$400 \$500 <u>\$3,500</u> \$4,700	22-23 22-23 22-23 22-23 22-23 22-23 22-23	201.130 Assembly: 5 Senate: 1 Congress: 4 1 Location(s)
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Note: On August 3, 2022, intense rainfall occurred in the burn scar of the Tamarack Fire causing flash flooding and debris flows in Millberry Creek. Flood waters eroded, undermined, and washed out a forty-eight inch culvert and left a section of roadway unsupported. This project will clear debris, repair roadway and drainage systems, and place rock slope protection.

## List of New 2022 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.
9 10-SJ-5 49.0/49.3 3559 1022000252 1Q200	Near Thorton, on northbound Route 5 from 0.2 mile south to 0.1 mile north of Barber Road Undercrossing. Repair failed pavement.  <u>Note:</u> In May 2022, the Department investigated a section of highway that has begun settling. The investigation concluded that 160 feet of roadway has settled up to four inches due to failure under the concrete roadway. This project will remove and replace the saturated roadway base and concrete pavement and make shoulder repairs.	21-22	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$20 \$0 \$0 \$250 \$0 \$923 \$1,193	21-22   21-22 21-22 1 Location(s)
10 11-Imp-7 Var 1488 1123000061 43171	On Routes 7, 78, 86, and 98 at various locations. Repair storm damaged washouts, ditches, and pavement, construct concrete apron and Rock Slope Protection (RSP), and remove debris.  <u>Note:</u> On the weekend of September 9, 2022, Tropical Storm Kay brought winds and rain that brought flash flooding to the region. Storm conditions damaged signs, left debris, and washed out pavement and drainage systems. This project is needed to remove debris, repair washouts, repair earthen ditches, construct concrete aprons, place Rock Slope Protection (RSP), and repair pavement.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$400 \$0 \$2,000 \$2,400	21.130 Assembly: 56 Senate: 40 Congress: 51 7 Location(s)
11 11-Imp-8 R0.0R/R10.0 1487 1123000057 43170	Near Ocotillo, from San Diego County line to 1.9 miles west of Imperial Highway. Repair storm damaged pavement and guardrail, perform rock scaling, and remove debris.  <u>Note:</u> On the weekend of September 9, 2022, Tropical Storm Kay brought winds and rain that led to flash flooding to the region. Storm conditions caused rocks and debris to fall onto the roadway, damaging pavement, railing, and fencing. This project is needed to dispose of rock and debris, repair or replace guardrail, repair pavement, scale rocks, and repair erosion damage.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$400 \$0 \$2,000 \$2,400	201.130 Assembly: 56 Senate: 40 Congress: 51 37 Location(s)

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.
12 12-Ora-1 12.1 2320A 1223000043 0U160	Near Newport Beach, at 0.4 mile south of Reef Point Drive. Construct soldier pile wall and replace drainage system and guardrail.	22-23	PA&ED	\$82	22-23	201.130
			PS&E	\$105	22-23	Assembly: 74
			R/W Sup	\$37	22-23	Senate: 37
			Con Sup	\$523	22-23	Congress: 48
			R/W Cap	\$105	22-23	
	<u>Note:</u> On September 9, 2022, Tropical Storm Kay rapidly and unexpectedly eroded a gully off the shoulder of Route 1. This location had been monitored for two years and was on the list of locations for a protective betterment project, but the storm damage has undermined the shoulder pavement in an area that serves a high volume of vehicle and bicycle traffic. This project is necessary to construct a soldier pile wall to retain cement slurry to fill the gully, replace the damaged drainage system, and replace guardrail.		<u>Const Cap</u>	<u>\$1,868</u>	22-23	1 Location(s)
			Total	\$2,720		
13 12-Ora-73 10.8/11.0 4060 1222000092 0T740	In Laguna Niguel, from 0.1 mile north of Paseo de Colinas to 0.4 mile south of Crown Valley Parkway. Install drains in slope and repair roadway.	22-23	PA&ED	\$143	22-23	201.130
			PS&E	\$264	22-23	Assembly: 73
			R/W Sup	\$65	22-23	Senate: 36
			Con Sup	\$760	22-23	Congress: 48
			R/W Cap	\$0		
	<u>Note:</u> On July 20, 2022, the Department was informed of several longitudinal cracks on northbound Route 73. On further inspection, it was discovered that portions of the roadway had settled up to four inches and the concrete barrier had substantial movement. Staff concluded that displacement is due to seepage emanating from the slope due to drains not functioning properly. This project is necessary to install a series of perforated horizontal drains in the slope, install a sub-drain trench at the toe of slope, repair damaged slope and add Rock Slope Protection (RSP), and repair damaged pavement.		<u>Const Cap</u>	<u>\$3,080</u>	22-23	1 Location(s)
			Total	\$4,312		

## List of New 2022 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.
Collision Reduction					
14 08-SBd-210 1.2/1.6 3020S 0822000036 1M740	In Upland, from 0.3 mile west to 0.1 mile east of Mountain Avenue. Modify cross slope and add a drainage inlet to improve drainage and safety.  PA&ED: 9/15/2023 R/W: 8/1/2024 RTL: 9/3/2024 BC: 9/4/2025  Concurrent COS allocation under Resolution FP-22-33; December 2022.	24-25	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$836 \$1,374 \$40 \$705 \$20 <u>\$2,913</u> \$5,888	22-23 23-24 23-24 24-25 24-25 24-25 90 Collision(s) reduced
201.010 Assembly: 41 Senate: 25 Congress: 27					
Bridge Preservation					
15 07-Ven-118 T18.4/T18.8 5977 0722000235 38790	In Moorpark, at Arroyo Simi Overhead Nos. 53-0331R and 53-0331L. Install suicide deterrent fences along bridges.  PA&ED: 11/15/2023 R/W: 2/18/2025 RTL: 3/20/2025 BC: 10/9/2025  Concurrent COS allocation under Resolution FP-22-33; December 2022.	24-25	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$384 \$1,156 \$14 \$1,603 \$25 <u>\$7,562</u> \$10,744	22-23 23-24 23-24 24-25 24-25 24-25 201.110 Assembly: 44 Senate: 27 Congress: 26
Performance Measure: Bridges (2 Bridge(s))					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Square feet	148,197.0	0.0	0.0	148,197.0
Post Condition	Square feet	148,197.0	0.0	0.0	148,197.0



**List of 2022 SHOPP Long Lead Project Amendments**

Resolution G-00-13, established in June 2000, provides the Department with the means to develop SHOPP projects which require periods longer than the four-year SHOPP cycle. The Commission authorized the Department to program projects for development only when appropriate. Long lead projects must identify challenges that require additional time beyond the typical four years to complete.

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-Ven-1 1.5 5799 0721000082 37580	Near Malibu, at 0.4 mile north of Yerba Buena Road. Restore wave damaged Rock Slope Protection (RSP).  (Long Lead Project)	27-28	PA&ED \$1,393 * PS&E \$3,269 * R/W Sup \$297 * Con Sup \$2,923 * R/W Cap \$512 * <u>Const Cap</u> <u>\$11,631</u> Total \$20,025	22-23 201.131 24-25 Assembly: 44 24-25 Senate: 27 27-28 Congress: 26 27-28 1 Location(s)
	PA&ED: 3/21/2025 R/W: 12/24/2027 RTL: 1/21/2028 BC: 7/21/2028			
	Concurrent COS allocation under Resolution FP-22-33; December 2022.			
	<p><u>Note:</u> As a result of this project's location within the State and local coastal jurisdictions, coastal development permits are required, environmental mitigation measures may be required, hazardous waste may be encountered, R/W requirements have not been finalized, and utility relocations may be necessary.</p>			

\* Phase not authorized

**List of 2022 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-254 4.3/4.7 2502M 0122000142 0H801	Near Miranda, from 0.5 mile to 0.1 mile south of Maple Hills Road. Revegetation mitigation and monitoring for EA 0H800.  <u>Performance Measure</u> 0 Location(s)	24-25 201.131	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$333 24-25 \$0 <u>\$137</u> 24-25 \$470

Note: Split revegetation mitigation and monitoring work into project EA 0H801/PPNO 01-2502M from parent project EA 0H800/PPNO 01-2502.

2 01-Hum-254 <del>4.4/4.6</del> 4.3/4.7 2502 0118000110 0H800	Near Miranda, from <del>0.4</del> 0.5 mile to <del>0.2</del> 0.1 mile south of Maple Hills Road. Stabilize slope and existing roadway by constructing a retaining wall and improving drainage.  <u>Performance Measure</u> 1 Location(s)	22-23 201.131	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,448 Prior \$1,242 Prior \$112 Prior <del>\$2,327</del> 22-23 \$35 22-23 <u>\$12,954</u> 22-23 \$18,115	\$1,448 Prior \$1,242 Prior \$112 Prior <b>\$1,994</b> 22-23 \$35 22-23 <b>\$12,814</b> 22-23 <b>\$17,645</b>
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Concurrent CONST and CON ENG allocation under  
Resolution FP-22-32; December 2022.

Note: Split revegetation mitigation and monitoring work into project EA 0H801/PPNO 01-2502M from parent project EA 0H800/PPNO 01-2502. Update postmiles to correct rounding issue.

## List of 2022 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)			
3 01-Men-101 10.8/11.2 4675 0117000115 0H140	Near Hopland, from north of Feliz Creek Bridge to north of First Street. Upgrade facilities to Americans with Disabilities Act (ADA) standards, rehabilitate pavement, and upgrade signs, guardrail, and Transportation Management System (TMS) elements.	24-25 201.361	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,522 \$1,300 \$864 \$998 <del>\$399</del> <u>\$10,828</u> \$15,905	Prior Prior Prior 24-25 24-25 24-25	\$1,522 \$1,300 \$864 \$998 <b>\$804</b> <u>\$10,828</u> <b>\$16,316</b>	Prior Prior Prior 24-25 24-25 24-25

Performance Measure

18.0 Curb ramp(s)

Note: Increase R/W capital because additional positive utility location work is needed, additional parcels are needed, and costs for previously identified parcels have gone up.

Performance Measure: Curb ramps					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Each	0.0	0.0	14.0	14.0
Post Condition	Each	18.0	0.0	0.0	18.0

4 01-Men-101 63.9/R104.5 4745 0113000106 48400	Near Laytonville, Legget, and Piercy, from 0.8 mile south of Old Sherwood Road to 0.7 mile north of Piercy Separation (Route 271). Replace and rehabilitate culverts.	22-23 201.151	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$30 \$676 \$100 <del>\$1,500</del> \$103 <u>\$4,600</u> \$7,009	Prior Prior Prior 22-23 22-23 22-23	\$30 \$676 \$100 <b>\$1,130</b> \$103 <u>\$4,443</u> <b>\$6,482</b>	Prior Prior Prior 22-23 22-23 22-23
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Performance Measure

**24 Culvert(s)**

**23 Culvert(s)**

Concurrent CONST and CON ENG allocation under Resolution FP-22-32; December 2022.

Note: Split revegetation mitigation and monitoring work into project EA 48401/PPNO 01-4745M from parent project EA 48400/PPNO 01-4745. Revised performance measures due to addition of two culverts during reinspections.

Performance Measure: Culverts (23 Each)					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Linear feet	117.0	551.0	1,355.0	2,023.0
Post Condition	Linear feet	1,961.4	0.0	0.0	1,961.4

## List of 2022 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)	
5 01-Men-101 63.9/R104.5 4745M 0122000136 48401	Near Laytonville, Legget, and Piercy, from 0.8 mile south of Old Sherwood Road to 0.7 mile north of Piercy Separation (Route 271). Revegetation mitigation and monitoring for EA 48400.	23-24 201.151	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$370 \$0 <u>\$157</u> \$527
	<u>Performance Measure</u> 0 Culvert(s)			23-24 23-24

Note: Split revegetation mitigation and monitoring work into project EA 48401/PPNO 01-4745M from parent project EA 48400/PPNO 01-4745.

6 03-Sut-99 <del>F35.8/36.4</del> <b>R33.8/36.6</b> 8385 0320000040 0J910	Near Live Oak, from 0.2 mile south of Encinal Road/Live Oak Boulevard to 0.1 mile north of Kent Avenue <b>Eager Road to 0.6 mile south of Clark Road; also from 0.1 mile south to 0.1 mile north of Eager Road (PM R33.8/R34.0). Eliminate direct cross traffic access to Route 99 from Encinal Road/Live Oak Boulevard, add acceleration lanes in proximity to railroad crossing, and improve access to Eager Road Interchange and improve the intersection of Live Oak Boulevard and Eager Road to enhance access to Route 99 at the Eager Road interchange.</b>	23-24 201.010	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,160 \$1,380 \$430 \$850 \$690 <u>\$7,800</u> \$12,310	Prior Prior Prior 23-24 23-24 23-24 23-24	\$1,160 \$1,380 \$430 \$850 <b>\$1,059</b> <b>\$8,841</b> <b>\$13,720</b>	Prior Prior Prior 23-24 23-24 23-24
	<u>Performance Measure</u> 57 Collision(s) reduced						

Note: After detailed studies and public meetings, the preferred alternative recommends providing acceleration lanes at the railroad crossing, and allowing right-in/right-out access at Encinal Road/Live Oak Boulevard. The postmiles, project description, scope, and cost are updated to capture these changes.

## List of 2022 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 03-Yub-70 14.8/15.7 9820 031500082 0H160	In and near Marysville, from south of 14th Street to north of Cemetery Road. Roadway rehabilitation and operational improvements including turn pockets and auxiliary lanes. <b>This is a Construction Manager/General Contractor (CMGC) project.</b>  (G13 Contingency)	23-24 201.120	PA&ED PS&E R/W Sup * Con Sup R/W Cap * <u>Const Cap</u> Total	\$3,000 \$3,500 \$2,500 \$12,000 \$15,300 <u>\$100,650</u> \$136,950	Prior Prior Prior 23-24 Prior 23-24	\$3,000 \$3,500 \$2,500 \$12,000 \$15,300 <u>\$100,650</u> \$136,950	Prior Prior Prior 23-24 Prior 23-24
<u>Performance Measure</u> 2.4 Lane mile(s)		* Phase not authorized					

Note: Update description to include CMGC as the new recommended delivery method. The project has challenging construction staging and traffic control, levee relocation, railroad structures, and multiple utility relocations. The innovative CMGC delivery method will assist during design, manage risks during construction, and will save project time and mitigate risks.

Performance Measure: Pavement					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Lane mile(s)	0.0	2.4	0.0	2.4
Post Condition	Lane mile(s)	2.4	0.0	0.0	2.4

8 04-Nap-29 1.7/5.1 1453K 0415000343 4J410	In American Canyon, at Rio Del Mar; also near American Canyon at 0.3 mile south of North Kelly Road (PM 5.1). Rehabilitate culverts.	21-22 201.151	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,086 \$786 \$350 <del>\$706</del> \$294 <del>\$3,336</del> \$6,558	Prior Prior Prior 21-22 21-22 21-22	\$1,086 \$786 \$350 <b>\$595</b> \$294 <b>\$2,156</b> <b>\$5,267</b>	Prior Prior Prior 21-22 21-22 21-22
<u>Performance Measure</u> <del>2 Culvert(s)</del> <b>4 Culvert(s)</b>							

Concurrent CONST and CON ENG allocation under Resolution FP-22-32; December 2022.

Note: Split revegetation mitigation and monitoring work into project EA 4J411/PPNO 04-2914Q from parent project EA 4J410/PPNO 04-1453K. Revise performance measures to correct an error in counting the number of culverts.

Performance Measure: Culverts (4 Each)					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Linear feet	105.3	246.8	0.0	352.1
Post Condition	Linear feet	266.0	0.0	0.0	266.0

## List of 2022 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)	
9 04-Nap-29 1.7/5.1 2914Q 0422000440 4J411	In American Canyon, at Rio Del Mar; also near American Canyon at 0.3 mile south of North Kelly Road (PM 5.1). Revegetation mitigation and monitoring for EA 4J410.  <u>Performance Measure</u> 0 Culvert(s)	24-25 201.151	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$150 23-24 \$20 23-24 \$201 24-25 \$10 24-25 <u>\$910</u> 24-25 \$1,291

Note: Split revegetation mitigation and monitoring work into project EA 4J411/PPNO 04-2914Q from parent project EA 4J410/PPNO 04-1453K.

10 04-SF-101 4.1/R5.1 2021K 0418000036 0Q020	In the City and County of San Francisco, at Central Viaduct No. 34-0077; also on Route 80 at Bayshore Viaduct No. 34-0088 (PM L3.79/4.99). Rehabilitate bridges by overlaying bridge deck, replacing joint seals, and upgrading bridge rails.  (G13 Contingency)	23-24 201.110	PA&ED PS&E R/W Sup * Con Sup R/W Cap * <u>Const Cap</u> Total	\$1,941 Prior \$3,466 Prior \$292 Prior <del>\$4,664</del> 23-24 \$52 23-24 <u>\$34,308</u> 23-24 \$44,720	\$1,941 Prior \$3,466 Prior \$292 Prior <b>\$4,467</b> 23-24 <b>\$246</b> 23-24 <u>\$34,308</u> 23-24 \$44,720	Prior Prior Prior 23-24 23-24 23-24
<u>Performance Measure</u> 2 Bridge(s)		* Phase not authorized				

Note: Increase R/W capital due to increase in temporary construction easement required on the project. Reduce construction support after estimates from environmental were decreased based on their effort on current construction projects on these viaducts.

Performance Measure: Bridges (2 Bridge(s))					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Square feet	0.0	450,017.0	756,121.0	1,206,138.0
Post Condition	Square feet	1,206,138.0	0.0	0.0	1,206,138.0

## List of 2022 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)			
11 04-SM-1 14.0 1494G 0416000029 4J870	Near Pescadero, at Pescadero Creek Bridge No. 35-0028. Upgrade bridge rails and repair approach slabs.	21-22 <del>201.110</del> <b>201.112</b>	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,200 \$1,000 \$8 \$1,200 \$260 <u>\$4,434</u> \$8,102	Prior Prior Prior 21-22 21-22 21-22 21-22	\$1,200 \$1,000 \$8 \$1,200 \$260 <u>\$4,434</u> \$8,102	Prior Prior Prior 21-22 21-22 21-22 21-22
	<u>Performance Measure</u> 4 Bridge(s) <b>840 Linear feet rail</b>						

Concurrent CONST and CON ENG allocation under Resolution FP-22-32; December 2022.

Note: Change program code and performance measure to better reflect the scope of work.

Performance Measure: Bridges (1 Bridge(s))					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Square feet	840.0	0.0	0.0	840.0
Post Condition	Square feet	840.0	0.0	0.0	840.0

12 04-SM-280 R0.0/R21.0 1498G 0416000028 4J850	In and near Menlo Park and San Bruno, from Alpine Road to Route 380 at Alpine Road Undercrossing No. 35-0009L/R (PM R0.05), Sand Hill Road Overcrossing (OC) (South) No. 35-0007 (PM R1.56), Sand Hill Road OC (North) No. 35-0008 (PM R1.62), and Route 280/380 Separation No. 35-0217 (PM R20.97). Structure seismic retrofit.	21-22 201.113	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$600 \$2,217 \$100 <del>\$2,564</del> \$262 <u>\$14,361</u> \$20,124	Prior Prior Prior 21-22 21-22 21-22 21-22	\$600 \$2,217 \$100 <b>\$1,809</b> \$262 <u><b>\$13,841</b></u> <b>\$18,829</b>	Prior Prior Prior 21-22 21-22 21-22 21-22
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Performance Measure  
5 Bridge(s)

Concurrent CONST and CON ENG allocation under Resolution FP-22-32; December 2022.

Note: Split plant establishment, creek monitoring and biological monitoring work into project EA 4J85A/PPNO 04-1498R from parent project EA 4J850/PPNO 04-1498G.

Performance Measure: Bridges (5 Bridge(s))					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Square feet	0.0	0.0	141,857.0	141,857.0
Post Condition	Square feet	141,857.0	0.0	0.0	141,857.0

## List of 2022 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 04-SM-280 R0.05 1498R 0420000181 4J85A	Near Menlo Park, at Alpine Road Undercrossing No. 35-0009L/R. Plant establishment, creek monitoring and biological monitoring work for EA 4J850.  <u>Performance Measure</u> 0 Bridge(s)	24-25 201.113	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$258 23-24 \$10 23-24 \$507 24-25 \$0 \$520 24-25 \$1,295

Note: Split plant establishment, creek monitoring and biological monitoring work into project EA 4J85A/PPNO 04-1498R from parent project EA 4J850/PPNO 04-1498G.

14 05-Mon-1 20.9/21.3 2524 0514000004 1F510	Near Lucia, from 0.1 mile south to 0.2 mile north of Limekiln Creek Bridge No. 44-0058. Replace bridge.  <u>Performance Measure</u> 1 Bridge(s)	<del>24-25</del> 25-26 201.110	PA&ED PS&E R/W Sup * Con Sup R/W Cap * <u>Const Cap</u> Total	\$3,500 Prior \$9,598 22-23 \$1,110 22-23 \$14,288 <del>24-25</del> \$3,349 <del>24-25</del> <del>\$76,200</del> <del>24-25</del> \$108,015	\$3,500 Prior \$9,598 22-23 \$1,110 22-23 \$14,288 25-26 \$4,592 25-26 \$78,640 25-26 \$111,728
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\* Phase not authorized

Note: Delay delivery one year because resource agency coordination with Coastal Commission and State Parks necessary for the preferred alternative will take additional time . Increase R/W capital based on updated fees. Update construction capital because of escalation. Construction support was found to be adequate.

Performance Measure: Bridges ( Bridge(s))					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Square feet	0.0	0.0	19,536.0	19,536.0
Post Condition	Square feet	60,592.0	0.0	0.0	60,592.0



## List of 2022 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)			
15 05-Mon-101 <del>R41.9/R49.8</del> <b>R41.9/49.8</b> 2900 0518000208 1K440	Near King City, from Jolon Road to Lagomarsino Avenue. Rehabilitate pavement, drainage systems, and lighting, and install Transportation Management System (TMS) elements.  (G13 Contingency)	23-24 201.121	PA&ED PS&E R/W Sup * Con Sup R/W Cap * <u>Const Cap</u> Total	\$1,151 \$2,021 \$224 \$4,157 \$156 <u>\$29,691</u> \$37,400	Prior Prior Prior 23-24 23-24 23-24 23-24	\$1,151 \$2,021 \$224 \$4,157 \$156 <u>\$29,691</u> \$37,400	Prior Prior Prior 23-24 23-24 23-24 23-24
	<u>Performance Measure</u> 28.0 Lane mile(s)						* Phase not authorized

Note: Update postmiles to correctly reflect location.

Performance Measure: Pavement					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Lane mile(s)	1.0	27.0	0.0	28.0
Post Condition	Lane mile(s)	28.0	0.0	0.0	28.0

16 05-SLO-  2920 0518000234 1K680	In the city of San Luis Obispo, at 4485 Vachell Lane. Construct new Maintenance station and site development for equipment shop.  (G13 Contingency)	<del>23-24</del> <b>24-25</b> 201.352	PA&ED PS&E R/W Sup * Con Sup R/W Cap * <u>Const Cap</u> Total	\$4,401 \$9,796 \$233 <del>\$6,696</del> \$155 <del>\$53,714</del> \$74,995	Prior 22-23 22-23 <del>23-24</del> <del>23-24</del> <del>23-24</del> 23-24	\$4,401 \$9,796 \$233 <b>\$6,911</b> <b>\$160</b> <b>\$55,433</b> <b>\$76,934</b>	Prior 22-23 22-23 <b>24-25</b> <b>24-25</b> <b>24-25</b> <b>24-25</b>
	<u>Performance Measure</u> 1 Location(s)						* Phase not authorized

Note: Delay delivery one year because studies and coordination with the City of San Luis Obispo are required in order to provide water and sewer services to the new location. Increase construction support and construction capital capital because of escalation. Increase R/W capital because of additional utility connection fees.

Performance Measure:					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Square feet	0.0	0.0	14,727.0	14,727.0
Post Condition	Square feet	88,278.0	0.0	0.0	88,278.0

## List of 2022 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)			
17 07-LA-1 <del>46.9/62.9</del> <b>46.9/62.867</b> 5491 0718000323 35420	In and near Malibu, from north of Serra Road to the Ventura County line ( <del>PM 62.867</del> ). Rehabilitate pavement, upgrade facilities to Americans with Disabilities Act (ADA) standards, and upgrade guardrail.  (G13 Contingency)	23-24 201.121	PA&ED PS&E R/W Sup * Con Sup R/W Cap * <u>Const Cap</u> Total	\$1,225 \$2,500 \$271 <del>\$3,422</del> \$725 <del>\$19,897</del> \$28,040	Prior Prior Prior 23-24 23-24 23-24	\$1,225 \$2,500 \$271 <b>\$4,400</b> <b>\$337</b> <b>\$23,987</b> <b>\$32,720</b>	Prior Prior Prior 23-24 23-24 23-24

Performance Measure  
63.4 Lane mile(s)

\* Phase not authorized

Note: Increase construction capital because the amount and cost of pavement work has increased, lane lines are using more costly striping tape, and additional channelizers are needed. Increase construction support because additional working days are needed. Decrease R/W capital because of cost savings in utility relocation work.

Performance Measure: Pavement					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Lane mile(s)	0.0	63.4	0.0	63.4
Post Condition	Lane mile(s)	63.4	0.0	0.0	63.4

18 07-LA-101 11.0/23.5 5363 0718000070 34600	In the city of Los Angeles, from south of Vineland Avenue to north of Winnetka Avenue. Enhance highway worker safety by paving areas beyond the gore, constructing Maintenance Vehicle Pullouts (MVPs), installing gates and fences, relocating controller cabinets, and installing cable railing.	23-24 201.235	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$844 \$1,806 \$36 \$1,648 <del>\$121</del> <del>\$3,741</del> \$8,196	Prior Prior Prior 23-24 23-24 23-24	\$844 \$1,806 \$36 \$1,648 <b>\$32</b> <b>\$4,110</b> <b>\$8,476</b>	Prior Prior Prior 23-24 23-24 23-24
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Performance Measure  
~~122.0~~ Location(s)  
**128.9** Location(s)

Note: Increase construction capital because of adjustments in pavement, traffic control, electrical work, and earthwork. Decrease R/W capital because less positive utility location work is required. Increase performance because of scope adjustments, such as paving, vegetation control, Maintenance Vehicle Pullouts, driveways, trails, and sign relocation changes.

## List of 2022 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 07-LA-118 R13.0/R13.9 5506 0719000004 35500	In the city of Los Angeles, near Pacoima, from east of Herrick Avenue to west of Foothill Boulevard. Rehabilitate culverts.  <u>Performance Measure</u> 15 Culvert(s)	23-24 201.151	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$511 \$1,679 \$51 <del>\$1,348</del> <del>\$272</del> <del>\$2,537</del> \$6,368	Prior Prior Prior 23-24 23-24 23-24	\$511 \$1,679 \$51 <b>\$1,290</b> <b>\$57</b> <b>\$2,248</b> <b>\$5,836</b>	Prior Prior Prior 23-24 23-24 23-24	

Note: Reduce construction capital and support because an older estimate was being used that didn't account for the removal of culverts found to be in good condition. Reduce R/W capital because less positive utility verification work is required.

Performance Measure: Culverts (15 Each)					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Linear feet	0.0	375.0	837.0	1,212.0
Post Condition	Linear feet	1,212.0	0.0	0.0	1,212.0

20 07-LA-405 0.0/12.8 5484 0718000253 35320	In and near the cities of Long Beach, Signal Hill, Los Angeles, and Carson, from the Orange County line to south of Route 110. Rehabilitate pavement, upgrade signs, rehabilitate bridge, upgrade lighting, improve safety, rehabilitate Transportation Management System (TMS) elements and replace copper cabling with fiber, rehabilitate culverts, <b>replace landscape and irrigation system, rock blanket paving, minor concrete paving, grind concrete pavement</b> , and upgrade facilities to Americans with Disabilities Act (ADA) standards.	23-24 201.121	PA&ED PS&E R/W Sup * Con Sup R/W Cap * <u>Const Cap</u> Total	\$2,646 \$4,800 \$703 <del>\$9,872</del> \$768 <del>\$68,133</del> \$86,922	Prior Prior Prior 23-24 23-24 23-24	\$2,646 \$4,800 \$703 <b>\$10,832</b> \$768 <b>\$88,156</b> <b>\$107,905</b>	Prior Prior Prior 23-24 23-24 23-24	
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\* Phase not authorized

(G13 Contingency)

Performance Measure  
118.8 Lane mile(s)

Note: Additional assets were identified as needs during PA&ED development, including additional pavement work, retaining wall, landscaping, rock blanket, ramp metering, signs, and traffic items. Update project description and construction support and capital to account for additional work.

Performance Measure: Pavement					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Lane mile(s)	1.5	115.7	1.6	118.8
Post Condition	Lane mile(s)	118.8	0.0	0.0	118.8

## List of 2022 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)
21 07-LA-Var	In Los Angeles and Ventura Counties, at various locations. Upgrade Transportation System Management (TMS) elements, upgrade overhead sign structures, construct guardrail, and enhance highway worker safety.	23-24 201.315	PA&ED \$2,102 Prior PS&E \$10,585 Prior R/W Sup \$364 Prior * Con Sup <del>\$16,686</del> 23-24 \$0 R/W Cap <del>\$464</del> 23-24 \$0 * Const Cap <del>\$86,363</del> 23-24 \$0 Total \$116,564 <b>\$13,051</b>
5413 0718000179 35030	(G13 Contingency)		
	<u>Performance Measure</u> 240 Field element(s) 0 Field element(s)		* Phase not authorized

Note: Split project EA 35030/PPNO 07-5413 into three project EAs 35031/PPNO 07-6029, 35032/PPNO 07-6030, and 35033/PPNO 07-6031 for ease of administration.

22 07-LA-Var	In Los Angeles and Ventura Counties, on various routes at various locations. Upgrade Transportation System Management (TMS) elements and enhance highway worker safety.	23-24 201.315	PA&ED \$0 PS&E \$0 R/W Sup \$0 * Con Sup \$5,562 23-24 R/W Cap \$155 23-24 * Const Cap <del>\$28,782</del> 23-24 Total \$34,499
6029 0723000024 35031	(G13 Contingency)		
	<u>Performance Measure</u> 76 Field element(s)		* Phase not authorized

Note: Split project EA 35030/PPNO 07-5413 into three project EAs 35031/PPNO 07-6029, 35032/PPNO 07-6030, and 35033/PPNO 07-6031 for ease of administration.

Performance Measure: TMS Elements				
<u>Unit</u>	<u>(Operational)</u>	<u>(Not Operational)</u>	<u>Poor</u>	
Existing Condition	Field element(s)	31.6%	68.4%	76.0
Post Condition	Field element(s)	100.0%	0.0%	76.0

## List of 2022 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)	
23 07-LA-Var	In Los Angeles County, on various routes at various locations. Upgrade Transportation System Management (TMS) elements and enhance highway worker safety.	23-24 201.315	PA&ED PS&E R/W Sup * Con Sup R/W Cap * <u>Const Cap</u> Total	\$0 \$0 \$0 \$5,562 \$155 \$31,220 \$36,937
6030 0723000025 35032	(G13 Contingency)			23-24 23-24 23-24
	<u>Performance Measure</u> 88 Field element(s)			

\* Phase not authorized

Note: Split project EA 35030/PPNO 07-5413 into three project EAs 35031/PPNO 07-6029, 35032/PPNO 07-6030, and 35033/PPNO 07-6031 for ease of administration.

Performance Measure: TMS Elements				
<u>Unit</u>	<u>(Operational)</u>	<u>(Not Operational)</u>	<u>Poor</u>	
Existing Condition	Field element(s)	25.0%	75.0%	88.0
Post Condition	Field element(s)	100.0%	0.0%	88.0

24 07-LA-Var	In Los Angeles County, on various routes at various locations. Upgrade Transportation System Management (TMS) elements and enhance highway worker safety.	23-24 201.315	PA&ED PS&E R/W Sup * Con Sup R/W Cap * <u>Const Cap</u> Total	\$0 \$0 \$0 \$5,562 \$154 \$26,361 \$32,077
6031 0723000026 35033	(G13 Contingency)			23-24 23-24 23-24
	<u>Performance Measure</u> 76 Field element(s)			

\* Phase not authorized

Note: Split project EA 35030/PPNO 07-5413 into three project EAs 35031/PPNO 07-6029, 35032/PPNO 07-6030, and 35033/PPNO 07-6031 for ease of administration.

Performance Measure: TMS Elements				
<u>Unit</u>	<u>(Operational)</u>	<u>(Not Operational)</u>	<u>Poor</u>	
Existing Condition	Field element(s)	31.6%	68.4%	76.0
Post Condition	Field element(s)	100.0%	0.0%	76.0

## List of 2022 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 07-Ven-150 31.3/34.4 5353 0718000061 34450	In and near Santa Paula, from north of Bridge Road to Route 126 (PM 34.398). Rehabilitate pavement, upgrade facilities to Americans with Disabilities Act (ADA) standards, rehabilitate Transportation Management System (TMS) elements, and upgrade guardrail.	23-24 201.121	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$687 \$2,795 \$2,522 \$1,809 \$2,146 <del>\$6,356</del> \$16,317	Prior Prior Prior 23-24 23-24 23-24 23-24	\$687 \$2,795 \$2,522 \$1,809 \$2,146 <b>\$8,760</b> <b>\$18,719</b>	Prior Prior Prior 23-24 23-24 23-24 23-24
<u>Performance Measure</u> 6.3 Lane mile(s)							

Note: Increase construction capital because of additional traffic items, including signal poles and lights, added Accessible Pedestrian Signals, and drainage work. Construction support was evaluated and found to be adequate.

Performance Measure: Pavement					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Lane mile(s)	0.0	6.1	0.2	6.3
Post Condition	Lane mile(s)	6.3	0.0	0.0	6.3

26 08-Riv-10 <del>R71.8/R72.4</del> <b>R71.2/R72.6</b> 0049T 0815000218 0G850	Near Indio, at the Cactus City Safety Roadside Rest Areas (SRRA). Reconstruct and upgrade eastbound and westbound SRRA facilities <b>and upgrade water and wastewater systems.</b>	23-24 201.250	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,194 \$4,282 \$69 \$5,445 <del>\$20</del> <b>\$28,434</b> \$39,444	Prior 22-23 22-23 23-24 23-24 23-24 23-24	\$1,194 \$4,282 \$69 \$5,445 <b>\$754</b> <b>\$28,434</b> <b>\$40,178</b>	Prior 22-23 22-23 23-24 23-24 23-24 23-24
<u>Performance Measure</u> 2 Location(s)							

Note: Update description and postmiles to include the limits of waterline replacement work, which was already part of the scope and included in the programmed amount. Increase R/W capital because of additional acquisition costs, offsite mitigation, and permit fees.

Performance Measure:					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Each	0.0	0.0	2.0	2.0
Post Condition	Each	2.0	0.0	0.0	2.0

## List of 2022 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)				
27 08-Riv-243 0.0/29.7 3011S 0818000043 1J450	Near Mountain Center, Idyllwild and Banning, from Route 74 to Route 10. Rehabilitate pavement and drainage systems; upgrade guardrail, lighting, and sign panels; upgrade facilities to Americans with Disabilities Act (ADA) standards; and enhance highway worker safety improvements.	23-24 201.121	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$864 \$1,311 \$60 <del>\$2,708</del> \$477 <del>\$20,794</del> \$26,214	Prior Prior Prior 23-24 23-24 23-24	\$864 \$1,311 \$60 <b>\$3,204</b> \$477 <b>\$18,245</b> <b>\$24,161</b>	Prior Prior Prior 23-24 23-24 23-24

Performance Measure

26.6 Lane mile(s)

Note: Reduce construction capital because of decreases in several item costs, such as earthwork, pavement, and drainage items. Increase construction support because the working day estimate has changed from 240 to 300 working days.

Performance Measure: Pavement					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Lane mile(s)	0.0	26.6	0.0	26.6
Post Condition	Lane mile(s)	26.6	0.0	0.0	26.6

28 11-SD-5 R30.0/R34.3 1218 1116000125 42650	In the city of San Diego, from 0.5 mile north of Genesee Avenue to 0.2 mile north of Del Mar Heights Road. Construct rumble strips on both shoulders, rehabilitate bike path, and install fiber optic cable/Closed Circuit Television (CCTV). Asset Management Pilot Project.	20-21 201.999	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$471 \$1,304 \$40 \$678 \$0 <del>\$3,824</del> \$6,317	Prior Prior 19-20 20-21 20-21 20-21	\$471 \$1,304 \$40 \$678 \$0 <b>\$3,484</b> <b>\$5,977</b>	Prior Prior 19-20 20-21 20-21 20-21
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Performance Measure

1 Location(s)

Concurrent CONST and CON ENG allocation under Resolution FP-22-32; December 2022.

Note: Split biological plant establishment work into project EA 42651/PPNO 11-1478 from parent project EA 42650/PPNO 11-1218.

**List of 2022 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)	
29 11-SD-5 R30.0/R34.3 1478 1122000071 42651	In the city of San Diego, from 0.5 mile north of Genesee Avenue to 0.2 mile north of Del Mar Heights Road. Biological plant establishment for EA 42650.  <u>Performance Measure</u> 0 Location(s)	25-26 201.999	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$25 24-25 \$0 \$140 25-26 \$0 <u>\$175</u> <u>25-26</u> \$340

Note: Split biological plant establishment work into project EA 42651/PPNO 11-1478 from parent project EA 42650/PPNO 11-1218.

30 <del>44-SD-75</del> <del>44-2/R20-1</del> <del>4304</del> <del>44480000008</del> 43021	<del>In Coronado, from 0.2 mile north of Rainbow Drive to Glorietta Boulevard, also the entirety of Route 282 (PM 0.0R/0.691 R). Financial Contribution Only (FCO) to City of Coronado to relinquish roadway.</del>  <u>Performance Measure</u> <del>9.8 Centerline mile(s)</del>	<del>20-24 204.160</del>	<del>PA&amp;ED PS&amp;E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total</del>	<del>\$160 Prior     <u>\$22,000</u> <u>20-24</u> \$22,160</del>
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Note: Delete project. The City of Coronado and US Navy did not reach an agreement on the transfer and the relinquishment was not included in legislation.



## List of 2022 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 11-SD-79 20.3/53.0 1313 1118000109 43036	Near Santa Ysabel, Warner Springs, and Holcomb Village, from north of Route 78 to the Riverside County line. Rehabilitate culverts, replace sign panels, and make bicycle and pedestrian improvements.	23-24 201.151	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$963 \$1,221 \$669 <del>\$1,399</del> \$175 <del>\$7,350</del> \$11,777	Prior 21-22 21-22 23-24 23-24 23-24 23-24	\$963 \$1,221 \$669 <b>\$1,372</b> <b>\$140</b> <b>\$5,703</b> <b>\$10,068</b>	Prior 21-22 21-22 23-24 23-24 23-24 23-24
	<u>Performance Measure</u> 90 Culvert(s) <b>39 Culvert(s)</b>						

Concurrent COS allocation under Resolution  
FP-22-33; December 2022.

Note: Update performance measure as a re-inspection by the culvert inspection program determined that more than 50% of the culverts were in good condition and removed from the project, reducing construction and R/W capital costs.

Performance Measure: Culverts (39 Each)					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Linear feet	0.0	2,119.6	212.4	2,332.0
Post Condition	Linear feet	2,332.0	0.0	0.0	2,332.0

32 11-SD-94 1.416/15.4 1303 1118000104 43034	In and near the cities of San Diego and Lemon Grove, from Route 5 to 0.1 mile west of Millar Ranch Road; also on Route 15 at PM 2.1, Route 125 at PM 13.0/13.5, and Route 805 at PM 13.5. Rehabilitate culverts, rehabilitate pavement, replace signs, upgrade Transportation Management System (TMS) elements, and upgrade facilities to Americans with Disabilities Act (ADA) standards.	23-24 201.151	PA&ED PS&E R/W Sup * Con Sup R/W Cap * <u>Const Cap</u> Total	\$2,825 \$4,147 \$1,404 <del>\$6,611</del> <del>\$1,800</del> <del>\$59,314</del> \$78,101	Prior Prior Prior 23-24 23-24 23-24	\$2,825 \$4,147 \$1,404 <b>\$8,134</b> <b>\$489</b> <b>\$54,011</b> <b>\$71,010</b>	Prior Prior Prior 23-24 23-24 23-24
	(G13 Contingency)						
	<u>Performance Measure</u> 35 Culvert(s)						

\* Phase not authorized

Note: Decrease construction capital and support because the district has determined that ride quality of the existing pavement meets standards and planned grinding will not be necessary. Decrease R/W capital because some planned Temporary Construction Easements (TCEs) will not be necessary.

Performance Measure: Culverts (35 Each)					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Linear feet	0.0	0.0	4,729.6	4,729.6
Post Condition	Linear feet	4,729.6	0.0	0.0	4,729.6

## List of 2022 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)			
33 12-Ora-91 R0.0/4.8 4506F 1220000021 0R311	In La Palma, Buena Park, Anaheim, and Fullerton, from the Los Angeles County line to Acacia Street; also in Los Angeles County in the city of Los Angeles from 0.1 mile east of Carmenita Road to the Orange County line (PM R20.6/R20.7). Rehabilitate pavement, rehabilitate culverts, upgrade lighting, upgrade Transportation Management System (TMS) elements and make highway worker safety improvements.	23-24 201.121	PA&ED PS&E R/W Sup * Con Sup R/W Cap * <u>Const Cap</u> Total	\$2,150 \$3,560 \$474 \$4,320 \$264 <u>\$39,360</u> \$50,128	Prior Prior Prior 23-24 23-24 23-24 23-24	\$2,150 \$3,560 \$474 \$4,320 \$264 <u>\$39,360</u> \$50,128

\* Phase not authorized

(G13 Contingency)

### Performance Measure

~~58.3 Lane mile(s)~~

**51.2 Lane mile(s)**

Note: Update performance measures because of a recent pavement survey using updated scanning technology. Some pavement now determined to be in good condition will be removed from scope, but cost is not changing because extensive work is needed in other areas.

Performance Measure: Pavement

	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Lane mile(s)	1.1	49.2	0.9	51.2
Post Condition	Lane mile(s)	51.2	0.0	0.0	51.2

## List of 2022 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 12-Ora-91 6.4/R9.2 4506H 1220000025 0R313	In and near Anaheim, from La Palma Avenue to Route 55. Rehabilitate pavement, rehabilitate culverts, upgrade lighting, upgrade Transportation Management System (TMS) elements and make highway worker safety improvements.	23-24 201.121	PA&ED PS&E R/W Sup * Con Sup R/W Cap * <u>Const Cap</u> Total	\$2,070 \$2,660 \$20 \$3,590 \$9 \$37,060 \$45,409	Prior Prior Prior 23-24 23-24 23-24 23-24	\$2,070 \$2,660 \$20 \$3,590 \$9 \$37,060 \$45,409	Prior Prior Prior 23-24 23-24 23-24 23-24
	(G13 Contingency)						

Performance Measure

~~48.9 Lane mile(s)~~

**17.3 Lane mile(s)**

\* Phase not authorized

Note: Update performance measure because of a recent pavement survey using updated scanning technology. Some pavement now determined to be in good condition will be removed from scope, but cost is not changing because extensive work is needed in other areas.

Performance Measure: Pavement					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Lane mile(s)	0.0	17.0	0.3	17.3
Post Condition	Lane mile(s)	17.3	0.0	0.0	17.3