

MEMORANDUM

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: March 22-23, 2023

From: STEVEN KECK, Chief Financial Officer

Reference Number: 2.1a.(1), Action Item

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

Subject: **SHOPP AMENDMENT 22H-007**

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-007?

RECOMMENDATION:

The Department recommends that the Commission approve SHOPP Amendment 22H-007 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 35 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 2022 Transportation Asset Management Plan (TAMP).

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	32	\$0	\$58,967	\$0	\$0	\$5,087
Collision Reduction	3	\$0	\$0	\$2,820	\$0	\$23,045
Total New Amendments	35	\$0	\$58,967	\$2,820	\$0	\$28,132

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

The Department recommends 2 additional new capital projects be amended into the 2022 SHOPP, targeted to the four asset classes highlighted in Senate Bill 1, as detailed in 2.1a.(1b) and summarized below. The amendment would be funded from the Bridge Preservation and Roadway Preservation components of Senate Bill 1 utilizing capacity generated from 2022 SHOPP programming capacity and the Infrastructure Investment and Jobs Act (IIJA). These projects are consistent with the 2022 TAMP.

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)
Bridge Preservation	1	\$0	\$0	\$0	\$0	\$59,029
Roadway Preservation	1	\$0	\$0	\$0	\$0	\$54,700
Total New Amendments	2	\$0	\$0	\$0	\$0	\$113,729

Also, the Department recommends to begin the development of four 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), 2.1a.(1e) and 2.1a.(1f) 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 2022 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.”

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 R51.0/R90.5 2599 0123000065 0M750	In and near Rio Dell, Fortuna, Eureka, and Arcata, at various locations. This project will repair the damaged bridge components including abutment settlement, bearing pad damage, and concrete spalling.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$10 \$450 \$10 <u>\$1,500</u> \$1,970	201.130 Assembly: 2 Senate: 2 Congress: 2 8 Location(s)
<u>Note:</u> On December 20, 2022, an earthquake occurred near Ferndale. The earthquake caused damage at multiple bridges which included abutment settlement, bearing pad damage, and concrete spalling. This project will repair the damaged bridge components.					
2 01-Hum-211 R77.2/78.6 2598 0123000063 0M730	Near Ferndale, at Eel River Bridge No. 04-0134. Repair bridge, replace bridge railing, and place erosion control.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$50 \$1,800 \$50 <u>\$6,000</u> \$7,900	201.130 Assembly: 2 Senate: 2 Congress: 2 1 Location(s)
<u>Note:</u> On December 20, 2022, an earthquake occurred near Ferndale caused significant damage to the Eel River Bridge. The bridge was closed to traffic. The damage assessments indicate structural damage to the bridge at multiple piers, columns, girders, and bents. This project will repair the bridge, replace bridge railing, and place erosion control.					

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.
3 02-Plu-70 0.0/43.0 3876 0223000116 OK150	Near Pulga and Quincy, from Butte County line to Lawrence Street; also in Butte County, from Table Mountain Boulevard to Plumas County line (PM 22.0/48.076). Remove slide material from slope and traveled way and monitor the corridor for additional rock fall and mud slides.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 1, 3
			R/W Sup	\$0	Senate: 1
			Con Sup	\$1,200	Congress: 1, 3
			R/W Cap	\$100	
			<u>Const Cap</u>	<u>\$4,000</u>	4 Location(s)
			Total	\$5,300	

Note: The project limits are within the Dixie Fire burn scar area with a steep terrain. Due to the intense winter storms of January 2023, there have been numerous slides and rock fall events. Four locations with large slides have been identified in this very active slide area that are blocking the traveled way. This project will remove slide material from slope and traveled way and monitor the corridor for additional rock fall and mud slides.

4 02-Plu-89 8.9/29.6 3875 0223000115 OK140	Near Crescent Mills, from 0.1 mile north of Route 70 to Route 147. Remove slide material at multiple locations.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 1
			R/W Sup	\$0	Senate: 1
			Con Sup	\$375	Congress: 3
			R/W Cap	\$20	
			<u>Const Cap</u>	<u>\$1,500</u>	21 Location(s)
			Total	\$1,895	

Note: During the winter storms of January 2023, a landslide occurred on Route 89 and 1,000 cubic yards of material was deposited on the roadway. The slide is extremely active and continues to deposit material. This stretch of roadway is within the Dixie Fire burn scar area and has steep terrain, which has caused additional slides to occur in the area. This project will remove slide material at multiple locations.

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.
5 02-Sis-96 R0.0/103.4 3877 0223000117 OK160	Near Somes Bar and Happy Camp, from Humboldt County line to Route 263. Remove slide material at multiple locations. <u>Note:</u> During the winter storms of January 2023, a landslide occurred on Route 96 and 47,000 cubic yards of material was deposited on the roadway and slope above the roadway. The slide is extremely active and continues to deposit material. This stretch of roadway is within the McKinney Fire burn scar area and has steep terrain, which has caused additional slides and rockfall to occur in the area. This project will remove slide material at multiple locations.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$1,250 \$100 <u>\$5,000</u> \$6,350	22-23 22-23 22-23 201.130 Assembly: 1 Senate: 1 Congress: 1 103 Location(s)
6 02-Tri-299 6.4 3874 0223000114 OK130	Near Burnt Ranch, at Gray Creek Bridge. Remove slide material and repair guardrail. <u>Note:</u> During the winter storms of December 2022, a landslide occurred on Route 299. The slope is unstable and roadway is open to one way traffic control. This project will remove slide material and repair guardrail. When weather permits and geotechnical investigations are complete, additional funds will be requested for slope stabilization.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$200 \$0 <u>\$500</u> \$700	22-23 22-23 201.130 Assembly: 2 Senate: 2 Congress: 2 1 Location(s)
7 03-Nev-20 21.5 4006 0323000109 4J130	Near Nevada City, at 0.8 mile west of Harmony Ridge Road. Repair sinkhole and replace failed culvert. <u>Note:</u> On December 14, 2022, a sinkhole was reported on westbound Route 20 caused by a failed culvert. Damage assessment concluded that the existing corrugated metal pipe has failed due to invert failure. To avoid failure of the traveled way, this project will repair the sinkhole and replace the failed culvert.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$100 \$0 <u>\$500</u> \$600	22-23 22-23 201.130 Assembly: 1 Senate: 1 Congress: 3 1 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.
8 03-Pla-80 24.0/26.0 5158 0323000126 4J170	Near Applegate, from 0.6 mile east of Clipper Gap Overcrossing to 0.2 mile west of Applegate Road Overcrossing. Replace failed culverts, repair sinkhole and failed pavement, and restore eroded slope.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$40 \$160 \$0 <u>\$800</u> \$1,000	22-23 22-23 22-23 22-23 22-23 22-23 22-23
<p><u>Note:</u> On December 30, 2022, high intensity rain storm caused culvert failures at several locations. These culvert failures caused a sinkhole, depressed shoulder, and severe erosion along the slope. This damage could also result in the failure of the traveled way. This project will replace failed culverts, repair sinkhole and failed pavement, and restore eroded slope.</p>					
9 04-Ala-84 12.0/15.5 2917P 0423000165 2Y840	In and near Fremont and Union City, from 0.1 mile south of Rosewornes Underpass to 1.2 miles north of Alameda Creek Bridge Overhead, at various locations. Remove debris and rocks, repair guardrails, replace signs, clear drainage inlets, and repair rockfall wire drapery.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$700 \$0 <u>\$1,600</u> \$2,300	22-23 22-23 22-23 22-23 22-23 22-23 22-23
<p><u>Note:</u> A series of rainstorm events in December 2022 swamped the region causing road closures, mud slides, and flooding. Four locations along this segment experienced landslides, fallen trees, debris flows, and damaged guardrails. Roadway had to be closed at one location until the slide can be stabilized and guardrail be repaired. This project will remove debris and rocks, repair guardrails, replace signs, clear drainage inlets, and repair rockfall wire drapery.</p>					

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.
10 04-Ala-580 R26.2 2917R 0423000167 2Y860	Near Pleasanton, at Eden Canyon Road; also in Fremont on Route 680 at Vargas Road (PM R7.0). Remove debris and place temporary k-rail. <u>Note:</u> A series of rainstorm events in December 2022 swamped the region causing road closures, mud slides, and flooding. The embankment adjacent to roadway at these two locations eroded causing mud and debris to flow on to the roadway. This project will remove debris and place temporary k-rail to keep the mud away from the traveled way.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$450 \$0 <u>\$1,130</u> \$1,580	22-23 22-23 201.130 Assembly: 20, 24 Senate: 9, 10 Congress: 14 2 Location(s)
11 04-Ala-880 31.2 2918G 0423000182 2Y950	In Oakland, at Madison Street Undercrossing. Repair damaged concrete barrier and bridge railing. <u>Note:</u> On January 6, 2023, a vehicle hit and damaged the bridge concrete barrier and railing. Immediate repairs are needed to prevent vehicles from falling and protect the road below from falling debris. This project will repair the concrete barrier and bridge railing. Abatement will be sought if the responsible parties can be determined.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$180 \$0 <u>\$450</u> \$630	22-23 22-23 201.130 Assembly: 18 Senate: 7 Congress: 12 1 Location(s)
12 04-Nap-29 42.6 2908H 0421000188 2W370	Near Calistoga, at 3.1 miles north of Tubbs Lane. Install wire mesh drapery system. PA&ED: 3/26/2025 R/W: 4/22/2026 RTL: 5/22/2026 BC: 2/15/2027 Concurrent COS allocation under Resolution FP-22-57; March 2023.	25-26	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$731 \$1,010 \$162 \$1,331 \$64 <u>\$1,789</u> \$5,087	22-23 24-25 24-25 25-26 25-26 25-26 201.131 Assembly: 4 Senate: 3 Congress: 5 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.
13 04-SCI-101 33.0 2917Q 0423000166 2Y850	In San Jose, at Tully Road Interchange at two locations; also in Mountain View, at 0.2 mile north of North Shoreline Boulevard (PM 49.0). Remove debris, replace culverts, and place erosion control.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 23, 25
			R/W Sup	\$0	Senate: 13, 15
			Con Sup	\$800	Congress: 16
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$2,200</u>	3 Location(s)
			Total	\$3,000	
	<u>Note:</u> A series of rainstorm events in December 2022 swamped the region causing road closures, mud slides, and flooding. The excessive debris and sediment blocked the flow undermining the culverts and caused flooding on the roadway. This project will remove debris, replace culverts, and place erosion control.				
14 04-SCI-152 12.6 2917L 0423000152 2Y740	Near Gilroy, at Johnson Creek Bridge No. 37-0026. Remove sediment and silt, clean culverts, install access openings, place rock slope protection, and regrade ditch.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 29
			R/W Sup	\$20	Senate: 15
			Con Sup	\$800	Congress: 18
			R/W Cap	\$40	
			<u>Const Cap</u>	<u>\$2,000</u>	1 Location(s)
			Total	\$2,860	
	<u>Note:</u> A series of rainstorm events in December 2022 caused flooding on Route 152 and adjacent property due to sediment and silt accumulation under the bridge and over the culvert outlet. This project will remove the sediment from under the bridge and the creek channel, clean the culverts, install access openings, place rock slope protection, and regrade the ditch.				

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.
15 05-Mon-1 22.0 3098 0522000145 1Q050	Near Lucia, at 0.5 mile north of Pitkins Curve Bridge; also at 0.3 mile north of Big Creek Bridge (PM 28.4); also in Monterey, at 0.1 mile south of Soledad Drive (PM R75.9). Clean out catchment, repair rockfall barrier, and line culvert and repair sinkhole.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 29, 30
			R/W Sup	\$0	Senate: 17
			Con Sup	\$250	Congress: 20
			R/W Cap	\$10	
			<u>Const Cap</u>	<u>\$800</u>	3 Location(s)
			Total	\$1,060	
<p><u>Note:</u> Rains in early November 2022 caused system damage at three locations on Route 1. At one location, a rockfall catchment filled up with rock and needs to be cleaned out. At a second location, a rockfall barrier has also filled, as well as damaged the barrier. At a third location, a sinkhole was discovered, and inspection showed perforations in the corrugated steel pipe. This project will clean out the rockfall catchment, repair the rockfall barrier, and line the perforated culverts and repair the sinkhole.</p>					
16 05-SLO-1 R12.6 3099 0522000146 1Q060	Near Oceano, at Oceano Overhead No. 49-0012. Replace bridge damper blocks, restore eroded void and shoulder, install concrete wedges, and pave slope.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 35
			R/W Sup	\$0	Senate: 17
			Con Sup	\$200	Congress: 24
			R/W Cap	\$10	
			<u>Const Cap</u>	<u>\$700</u>	1 Location(s)
			Total	\$910	
<p><u>Note:</u> In September 2022, people experiencing homelessness started fires under both bridge abutments of Oceano Overhead. Maintenance cleared the unsheltered encampments later that month. Erosion was discovered underneath an abutment wing wall, which has caused pavement settling and overtopping of a dike, leading to a void underneath the edge of traveled way. This project is necessary to replace damper blocks, repair the void, restore the shoulder, install concrete wedges to discourage reestablishment of encampments, and pave slope to prevent future unauthorized grading.</p>					

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.
17 05-SLO-227 R6.8 3101 0522000147 1Q070	Near Edna, at 0.1 mile north of Corbett Canyon Road; also on Route 46 near Harmony at 0.1 mile west and 2.1 mile east of South Green Valley Road (PM 3.3, 5.5). Replace culverts, place Rock Slope Protection (RSP), and restore roadway and embankments.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$160 \$10 <u>\$650</u> \$820	201.130 Assembly: 35 Senate: 17 Congress: 24 3 Location(s)

Note: December 2022 storms have caused problems at three locations. A sinkhole was discovered on Route 227 caused by perforations in corrugated steel pipes. A culvert failure on Route 46 has led to erosion of an embankment. A downdrain at another location on Route 46 has been damaged, leading to erosion by unconveyed flows. This project is necessary to replace culverts and restore the roadway on Route 227, restore the embankment and place Rock Slope Protection at the first Route 46 location, and replace the downdrain and restore the slope on the second Route 46 location.

18 06-Fre-168 L28.8/L31.8 8032 0623000132 1F050	Near Prather, from 0.5 mile east to 3.5 miles east of Qualls Prather Road Undercrossing. Remove debris, repair pavement, replace drainage system, and place rock slope protection.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$160 \$0 <u>\$1,164</u> \$1,324	201.130 Assembly: 8 Senate: 15 Congress: 5 1 Location(s)
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Note: A series of rainstorm events in December 2022 swamped the region causing road closures, mud slides, and flooding. As a result, two rockslides occurred in this segment of roadway, causing damage to pavement and culvert. Three of the four traveled lanes had to be closed and traffic is currently on one-way traffic control. This project will scale and blast the slope, remove debris, repair pavement, replace drainage system, 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.
19 06-Ker-99 R31.1/33.0 8031 0623000075 1F120	Near Bakersfield, from 0.6 mile north to 2.5 miles north of Seventh Standard Road. Stabilize soil and lift pavement by using polyurethane injection, replace concrete barrier, and repair pavement.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 35
			R/W Sup	\$0	Senate: 12
			Con Sup	\$200	Congress: 22
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$1,300</u>	1 Location(s)
			Total	\$1,500	
	<u>Note:</u> In October 2022, pavement sags were noticed for both northbound and southbound directions of Route 99. After investigations and various soil tests, the cause was determined to be low to medium density of the soil underneath. This project will stabilize soil and lift the pavement by using polyurethane injection, replace concrete barrier, and repair pavement.				
20 07-LA-2 65.2/66.4 5888 0723000080 2XA60	Near Big Pines, from 0.3 mile west to 0.9 mile east of Little Jimmy Road. Reconstruct storm damaged berms, slopes, and guardrail.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 41
			R/W Sup	\$50	Senate: 25
			Con Sup	\$215	Congress: 28
			R/W Cap	\$50	
			<u>Const Cap</u>	<u>\$745</u>	3 Location(s)
			Total	\$1,060	
	<u>Note:</u> A storm beginning on November 8, 2022 brought heavy rains, which overwhelmed the earthen berms, entered side slopes, and created washouts and erosion gullies. The washout undermined guardrail posts on the shoulders. This project is necessary to reconstruct side slopes, earthen berms, and guardrail, and place erosion control on reconstructed slopes.				
21 07-LA-5 R63.4R/R66.0 6006 0723000088 2XC90	Near Castaic, from 2.6 miles south of Templin Highway to Templin Highway. Remove debris, replace damaged v-ditch and slope, and repair pavement and shoulder.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 34
			R/W Sup	\$0	Senate: 23
			Con Sup	\$500	Congress: 27
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$2,500</u>	1 Location(s)
			Total	\$3,000	
	<u>Note:</u> Heavy rains from January 2 to January 10, 2023 resulted in mudslides, rockslides, and slope failure, along with debris deposits and erosion gullies and v-ditch damage. This project is necessary to remove debris, repair damaged slopes, replace the v-ditch, replace asphalt concrete dike, and replace damaged pavement and shoulder.				

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.
22 07-LA-10 18.3 5885 0722000361 2XA30	In the city of Los Angeles, at the East LA Communication Hub. Replace door with hardened steel door, repair damaged electrical systems, and install a hardened fence and security system.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 53
			R/W Sup	\$0	Senate: 24
			Con Sup	\$115	Congress: 34
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$610</u>	1 Location(s)
			Total	\$725	
	<p><u>Note:</u> On November 14, 2022, a Department electrical crew went to inspect and perform routine maintenance at the East LA Communication Hub and discovered that the door was breached. California Highway Patrol (CHP) was requested, and caught a vandal stealing the electrical wire, but fiber optic racks and the Heating, Ventilation, and Air Conditioning (HVAC) systems were also damaged. This project is needed to replace the existing door with hardened steel doors and shrouded locks, replace the existing electrical wire and repair the damaged systems, and construct a new hardened perimeter fence and security system.</p>				
23 07-LA-101 9.6 6001 0723000083 2XC40	In the city of Los Angeles, near Universal City at 0.1 mile south of Universal Studios Boulevard. Repair damaged crib wall.	22-23	PA&ED	\$0	201.130
			PS&E	\$250	Assembly: 51
			R/W Sup	\$0	Senate: 24
			Con Sup	\$750	Congress: 30
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$3,000</u>	1 Location(s)
			Total	\$4,000	
	<p><u>Note:</u> On November 16, 2022, a pile of gravel backfill was discovered on the shoulder of Route 101. Multiple vehicle strikes to the wall have cracked and broken a section of the crib wall, causing gravel backfill to spill out. This project is necessary to shore the voided area inside the wall, repair the damaged section of the wall, backfill void with slurry-cement, and replace barrier slab and barrier to restore structural functionality.</p>				

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.	
24 07-Ven-126 R26.5 6004 0723000086 2XC70	Near Piru, at Hopper Creek Bridge. Remove mud and debris from roadway and adjacent railroad tracks. <u>Note:</u> On January 10, rains from severe storms overtopped Hopper Creek Bridge, leaving debris and mud on the highway, banks abutting the bridge, adjacent to the creek, and on the railroad tracks along Route 126. This project is necessary to remove the mud and debris from the highway, from the banks and under the bridge, from the field adjacent to the creek, and from the railroad tracks along Route 126.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$25 \$200 \$50 <u>\$715</u> \$990	22-23 22-23 22-23 22-23 22-23	201.130 Assembly: 38 Senate: 21 Congress: 26 1 Location(s)
25 08-SBd-15 2.9 3020U 0823000064 1N900	In Ontario, on the southbound connector from Route 15 to eastbound Route 10. Repair overside culvert, embankment, shoulder, and guardrail. <u>Note:</u> A series of severe storms beginning on January 9, 2023 overwhelmed a drainage system and damaged the embankment, culvert, shoulder, and guardrail. This project is necessary to remove debris, repair the overside culvert and inlets, repair the shoulder and embankment, and reconstruct guardrail.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$10 \$450 \$10 <u>\$1,490</u> \$1,960	22-23 22-23 22-23 22-23 22-23	201.130 Assembly: 50 Senate: 29 Congress: 35 1 Location(s)
26 10-Cal-26 4.9/9.6 3578 1023000126 1R290	Near Valley Springs, from 0.1 mile west of Olive Orchard Road to 0.3 mile west of Hogan Dam Road. Repair embankment slopes, drainage systems, and pavement. <u>Note:</u> On January 16, 2023, high intensity rain storm event caused heavy runoff that overwhelmed the culvert systems. The excessive pressure in the culverts caused pipe joints to fail under the traveled way. This undermined the shoulder and westbound traveled lane. The westbound lane and shoulder were closed to ensure the safety of traveling public. This project will repair embankment slopes, drainage systems, and pavement.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$70 \$0 \$0 \$70 \$0 <u>\$450</u> \$590	22-23 22-23 22-23 22-23 22-23	201.130 Assembly: 8 Senate: 4 Congress: 5 4 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.
27 10-Mpa-140 35.0 3577 1023000122 1R250	Near Briceburg, at 0.9 mile east of Briceburg Road. Remove debris, stabilize slope, replace pavement, and place permanent erosion control.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$20 \$10 \$0 \$100 \$0 <u>\$700</u> \$830	22-23 22-23 22-23 22-23 22-23	201.130 Assembly: 8 Senate: 4 Congress: 5 1 Location(s)
28 10-SJ-4 36.7 3573 1023000112 1R200	Near Farmington, at 0.3 mile west of Waverly Road. Repair embankment, drainage systems, and guardrail.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$20 \$0 \$0 \$75 \$0 <u>\$500</u> \$595	22-23 22-23 22-23	201.130 Assembly: 9 Senate: 5 Congress: 9 1 Location(s)
29 10-SJ-4 Var 3574 1023000109 1R170	In Stockton, on Routes 4 and 99 at various locations. Repair failed slopes, shoulders, dikes, pavement, and drainage systems.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$20 \$0 \$0 \$75 \$0 <u>\$900</u> \$995	22-23 22-23 22-23	201.130 Assembly: 13 Senate: 5 Congress: 9 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.
30 10-Tuo-120 R1.0L 3575 1023000110 1R180	Near Oakdale, 0.3 mile west of Tulloch Road. Remove debris, install drainage system, and repair embankment slope and shoulder. <u>Note:</u> On December 31, 2022, a high intensity rainstorm passed through the area. The debris from a creek partially blocked and damaged a culvert running underneath the traveled way. The embankment slope was severely eroded and undermined the shoulder. This project will remove debris, install drainage system, and repair embankment slope and shoulder.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$20 \$0 \$0 \$150 \$0 \$1,000 \$1,170	22-23 22-23 22-23 1 Location(s)
31 11-SD-805 5.1 1493 1123000065 43173	In Chula Vista, at Palomar Street Overcrossing No. 57-0354. Repair bridge rail, landscaping, and electrical systems. <u>Note:</u> Errant vehicles struck the bridge railing on the south side of Palomar Street Overcrossing on both October 1 and October 10, 2022, resulting to damage to the bridge rail, landscaping, and electrical facilities. This project is necessary to place temporary railing, repair the bridge rail, landscaping, and electrical systems, and place new pavement striping and markings. Abatement is being sought from the responsible parties.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$105 \$0 \$700 \$805	22-23 22-23 22-23 1 Location(s)
32 12-Ora-57 15.4 3790 1223000076 0U390	In Anaheim, at La Palma Avenue. Repair concrete median barrier. <u>Note:</u> On December 12, 2022, maintenance staff responded to a crash where a vehicle hit a concrete median barrier and damaged approximately 300 linear feet of barrier. This project will remove and replace the damaged median barrier. Abatement is being sought from the responsible party.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$7 \$10 \$0 \$140 \$0 \$391 \$548	22-23 22-23 22-23 22-23 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.
Collision Reduction					
33 01-DN-199 T0.8 1154 0122000073 0L990	Near Crescent City, at Elk Valley Cross Road. Construct roundabout. PA&ED: 6/3/2024 R/W: 9/2/2024 RTL: 7/1/2025 BC: 1/27/2026	25-26	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$710 \$922 \$211 \$2,125 \$23 <u>\$3,969</u> \$7,960	22-23 23-24 23-24 25-26 25-26 25-26 11 Collision(s) reduced
Concurrent COS allocation under Resolution FP-22-57; March 2023.					
34 04-Son-116 21.6/R22.6 2029L 0419000234 3Q640	Near Sebastopol, at the intersection with Green Valley Road. Construct intersection improvements. PA&ED: 8/1/2024 R/W: 2/1/2026 RTL: 4/1/2026 BC: 11/1/2026	25-26	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,307 \$1,739 \$598 \$1,578 \$2,266 <u>\$7,597</u> \$15,085	22-23 24-25 24-25 25-26 25-26 25-26 24 Collision(s) reduced
Concurrent COS allocation under Resolution FP-22-57; March 2023.					
35 06-Tul-63 23.572 8019 0622000056 1E420	Near Orosi, at the intersection with Avenue 416. Modify traffic signal by adding left turn phase. PA&ED: 8/30/2023 R/W: 3/15/2024 RTL: 3/29/2024 BC: 8/30/2024	23-24	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$505 \$570 \$18 \$400 \$27 <u>\$1,300</u> \$2,820	22-23 23-24 23-24 23-24 23-24 23-24 21 Collision(s) reduced
Concurrent COS allocation under Resolution FP-22-57; March 2023.					

List of New 2022 SHOPP Capital Project Amendments for Senate Bill 1 Projects

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work	FY	Project Costs (\$1,000)		Program Code Leg./Congress. Dists. Perf. Meas.																		
Bridge Preservation																							
1 04-Ala-260 R1.1/R1.8 2919C 0423000158 2Y780	In the cities of Alameda and Oakland, at the Posey Tube No. 33-0106R (PM R1.1R/R1.8R) and Webster Tube No. 33-0106L (PM R1.1L/R1.9L). Improve ventilation by installing jet fans. PA&ED: 9/1/2025 R/W: 6/1/2026 RTL: 6/26/2026 BC: 11/30/2026 Concurrent COS allocation under Resolution FP-22-57; March 2023. Future SB1 Baseline Agreement required.	25-26	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$3,748 \$8,706 \$25 \$9,191 \$11 <u>\$37,348</u> \$59,029	22-23 25-26 25-26 25-26 25-26 25-26 25-26 201.110 Assembly: 18 Senate: 9 Congress: 13																		
<div>Performance Measure: Bridges (2 Bridge(s))<table><tr><th></th><th>Unit</th><th>Good</th><th>Fair</th><th>Poor</th><th>Quantity</th></tr><tr><td>Existing Condition</td><td>Square feet</td><td>0.0</td><td>66,509.0</td><td>0.0</td><td>66,509.0</td></tr><tr><td>Post Condition</td><td>Square feet</td><td>0.0</td><td>66,059.0</td><td>0.0</td><td>66,059.0</td></tr></table></div>							Unit	Good	Fair	Poor	Quantity	Existing Condition	Square feet	0.0	66,509.0	0.0	66,509.0	Post Condition	Square feet	0.0	66,059.0	0.0	66,059.0
	Unit	Good	Fair	Poor	Quantity																		
Existing Condition	Square feet	0.0	66,509.0	0.0	66,509.0																		
Post Condition	Square feet	0.0	66,059.0	0.0	66,059.0																		
2 06-Mad-99 0.1/8.1 8002 0621000220 1E070	Near Madera, from 0.9 mile south of Avenue 7 to north of Avenue 12. Rehabilitate pavement. Additional contribution from non-SHOPP project EA 0H220/PPNO 06-6297. PA&ED: 4/30/2021 R/W: 5/31/2025 RTL: 7/1/2025 BC: 1/15/2026 Future SB1 Baseline Agreement required.	25-26	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$4,000 \$0 <u>\$50,700</u> \$54,700	25-26 25-26 25-26 25-26 25-26 25-26 25-26 201.121 Assembly: 8 Senate: 4 Congress: 13																		
<div>Performance Measure: Pavement<table><tr><th></th><th>Unit</th><th>Good</th><th>Fair</th><th>Poor</th><th>Quantity</th></tr><tr><td>Existing Condition</td><td>Lane mile(s)</td><td>23.5</td><td>0.7</td><td>0.0</td><td>24.2</td></tr><tr><td>Post Condition</td><td>Lane mile(s)</td><td>24.2</td><td>0.0</td><td>0.0</td><td>24.2</td></tr></table></div>							Unit	Good	Fair	Poor	Quantity	Existing Condition	Lane mile(s)	23.5	0.7	0.0	24.2	Post Condition	Lane mile(s)	24.2	0.0	0.0	24.2
	Unit	Good	Fair	Poor	Quantity																		
Existing Condition	Lane mile(s)	23.5	0.7	0.0	24.2																		
Post Condition	Lane mile(s)	24.2	0.0	0.0	24.2																		

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 01-Men-1 75.0/77.0 4794 0122000133 0M290	Near Westport, from 2.1 miles south to 0.1 mile south of Pacific Avenue. Construct retaining walls, install dewatering system, place rock slope protection, and improve drainage. Long Lead Project PA&ED: 1/1/2025 R/W: 7/1/2026 RTL: 7/16/2026 BC: 2/15/2027 Concurrent COS allocation under Resolution FP-22-57; March 2023. <u>Note:</u> Due to project's location, coastal development permits, environmental mitigation measures, right of way access agreements with the Tribes, and extensive geotechnical studies will be required.	31-32	PA&ED * PS&E * R/W Sup * Con Sup * R/W Cap * <u>Const Cap</u> Total	\$6,295 \$5,148 \$694 \$30,514 \$1,938 \$417,110 \$461,699	22-23 24-25 24-25 31-32 31-32 31-32 201.131 Assembly: 2 Senate: 2 Congress: 2 1 Location(s)
* Phase not authorized					
2 07-LA-27 3.5 5939 0722000144 38420	Near Topanga, at 0.1 mile south of Grand View Drive. Restore slope damaged by washout and stabilize soil. Long Lead Project PA&ED: 4/3/2025 R/W: 6/12/2028 RTL: 7/11/2028 BC: 3/1/2029 Concurrent COS allocation under Resolution FP-22-57; March 2023. <u>Note:</u> Project is in the coastal zone and will require a Coastal Development Permit (CDP) and will require a lengthy review and approval timeline, and biological and environmental impacts may require permits and coordination with the Regional Water Quality Control Board (RWQCB), United States Army Corps of Engineers (USACE), and California Department of Fish and Wildlife (CDFW).	28-29	PA&ED * PS&E * R/W Sup * Con Sup * R/W Cap * <u>Const Cap</u> Total	\$1,428 \$2,438 \$240 \$1,957 \$36 \$3,172 \$9,271	22-23 25-26 25-26 28-29 28-29 28-29 201.131 Assembly: 50 Senate: 27 Congress: 33 1 Location(s)
* Phase not authorized					

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.																								
Bridge Preservation																													
3 01-Hum-101 79.5/80.2 2600 0123000066 0M760	In Eureka, at the Eureka Slough Bridge Nos. 04-0022L/R. Replace bridges. Long Lead Project PA&ED: 7/20/2026 R/W: 6/20/2028 RTL: 7/20/2028 BC: 1/30/2029	28-29	PA&ED * PS&E * R/W Sup * Con Sup * R/W Cap * Const Cap Total	\$9,950 \$6,500 \$535 \$15,400 \$9,055 \$130,000 \$171,440	22-23 26-27 26-27 28-29 28-29 28-29 201.113 Assembly: 2 Senate: 2 Congress: 2																								
* Phase not authorized																													
Concurrent COS allocation under Resolution FP-22-57; March 2023.																													
<u>Note:</u> Due to project's location, extensive environmental impacts, environmental mitigation and permitting, and a higher level of environmental document are anticipated.																													
<table><tr><td colspan="6">Performance Measure: Bridges (2 Bridge(s))</td></tr><tr><td></td><td><u>Unit</u></td><td><u>Good</u></td><td><u>Fair</u></td><td><u>Poor</u></td><td><u>Quantity</u></td></tr><tr><td>Existing Condition</td><td>Square feet</td><td>0.0</td><td>0.0</td><td>66,833.0</td><td>66,833.0</td></tr><tr><td>Post Condition</td><td>Square feet</td><td>66,833.0</td><td>0.0</td><td>0.0</td><td>66,833.0</td></tr></table>						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	0.0	66,833.0	66,833.0	Post Condition	Square feet	66,833.0	0.0	0.0	66,833.0
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	0.0	66,833.0	66,833.0																								
Post Condition	Square feet	66,833.0	0.0	0.0	66,833.0																								
4 05-SCr-1 31.3/32.0 3137 0520000048 1M720	Near Davenport, at Scotts Creek Bridge No. 36-0031. Replace bridge. Long Lead Project PA&ED: 9/1/2028 R/W: 1/14/2033 RTL: 3/14/2034 BC: 9/18/2034	33-34	PA&ED * PS&E * R/W Sup * Con Sup * R/W Cap * Const Cap Total	\$4,530 \$6,615 \$365 \$14,255 \$895 \$110,000 \$136,660	22-23 28-29 28-29 33-34 33-34 33-34 201.110 Assembly: 29 Senate: 17 Congress: 18																								
* Phase not authorized																													
Concurrent COS allocation under Resolution FP-22-57; March 2023.																													
<u>Note:</u> Project will have extensive environmental impacts with significant biological studies, coordination with multiple permitting agencies, and a higher level environmental document.																													
<table><tr><td colspan="6">Performance Measure: Bridges (1 Bridge(s))</td></tr><tr><td></td><td><u>Unit</u></td><td><u>Good</u></td><td><u>Fair</u></td><td><u>Poor</u></td><td><u>Quantity</u></td></tr><tr><td>Existing Condition</td><td>Square feet</td><td>0.0</td><td>4,898.0</td><td>0.0</td><td>4,898.0</td></tr><tr><td>Post Condition</td><td>Square feet</td><td>75,600.0</td><td>0.0</td><td>0.0</td><td>75,600.0</td></tr></table>						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	0.0	4,898.0	0.0	4,898.0	Post Condition	Square feet	75,600.0	0.0	0.0	75,600.0
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	0.0	4,898.0	0.0	4,898.0																								
Post Condition	Square feet	75,600.0	0.0	0.0	75,600.0																								

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)			
1 02-Tri-299 15.0/25.7 3701 0218000011 3H700	Near Del Loma, from 1.0 mile east of Trinity River Bridge to west of Prairie Creek Road. Rehabilitate pavement, upgrade guardrail and Transportation Management System (TMS) elements, widen lanes to make standard, and rehabilitate drainage systems.	23-24 201.121	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,180 \$1,360 \$70 \$1,860 \$78 \$18,790 \$23,338	Prior Prior Prior 23-24 23-24 23-24	\$1,180 \$1,360 \$70 \$1,890 \$88 \$19,090 \$23,678	Prior Prior Prior 23-24 23-24 23-24
	<u>Performance Measure</u> 21.3 Lane mile(s)						

Note: Additional R/W capital, construction capital and support are needed to increase the size of existing culverts for climate resiliency. This additional need will be funded through Infrastructure Investment and Jobs Act (IIJA) funds.

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	21.3	0.0	21.3
Post Condition	Lane mile(s)	21.3	0.0	0.0	21.3

2 03-Nev-80 26.0/27.4 25.5/27.4 4322 0322000136 2J910	Near Floriston, from 2.4 1.9 miles east of Hinton Road Undercrossing to 0.1 mile east of Truckee River Bridge. Restore pavement surface to increase friction, repair drainage, upgrade signs , and replace damaged concrete barrier.	23-24 201.010	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$350 \$530 \$20 \$600 \$20 \$2,900 \$4,420	Prior Prior Prior 23-24 23-24 23-24	\$350 \$530 \$20 \$600 \$20 \$2,900 \$4,420	Prior Prior Prior 23-24 23-24 23-24
	<u>Performance Measure</u> 71 Collision(s) reduced						

Note: Increase postmile limits to include concrete barrier work that was damaged due to collisions. The additional scope can be absorbed in the current construction capital programmed amount. Update description to remove upgrade sign work as it was inadvertently included in the project initiation report.

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 04-Son-121 6.5/7.0 2031J 0412000557 3G900	Near Schellville, at the intersection of Routes 121 and 116. Construct roundabout.	22-23 201.310	PA&ED	\$0	\$0	
			PS&E	\$0	\$0	
			R/W Sup	\$0	\$0	
			Con Sup	\$2,050	22-23	\$2,050 22-23
			R/W Cap	\$4,331	22-23	\$4,331 22-23
			<u>Const Cap</u>	<u>\$12,488</u>	22-23	<u>\$11,538</u> 22-23
			Total	\$18,869		\$17,919

Performance Measure

300.0 Daily vehicle hour(s) of delay (DVHD)

Concurrent CONST and CON ENG allocation under Resolution FP-22-56; March 2023.

Note: Split plant establishment and environmental monitoring work into project EA 3G901/PPNO 04-2917W from parent project EA 3G900/PPNO 04-2031J. Update description to include contribution by the local transportation authority.

4 04-Son-121 6.5/7.0 2917W 0423000149 3G901	Near Schellville, at the intersection of Routes 121 and 116. Mitigation project for plant establishment and environmental monitoring for roundabout project EA 3G900.	25-26 201.310	PA&ED	\$0		
			PS&E	\$100	23-24	\$100 23-24
			R/W Sup	\$10	23-24	\$10 23-24
			Con Sup	\$300	25-26	\$300 25-26
			R/W Cap	\$20	25-26	\$20 25-26
			<u>Const Cap</u>	<u>\$520</u>	<u>25-26</u>	<u>\$520 25-26</u>
			Total	\$950		\$950

Note: Split plant establishment and environmental monitoring work into project EA 3G901/PPNO 04-2917W from parent project EA 3G900/PPNO 04-2031J.

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 05-SB-166 0.0/8.9 3006 0519000093 1M310	In and near Guadalupe and Santa Maria, from Route 1 to Route 101. Rehabilitate pavement, install Transportation Management System (TMS) elements, reconstruct guardrail, replace signs, and upgrade facilities to Americans with Disabilities Act (ADA) standards.	25-26 201.121	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,415 \$2,553 \$733 \$4,113 \$69 <u>\$11,191</u> \$20,074	Prior 23-24 23-24 25-26 25-26 25-26 25-26	\$1,415 \$2,553 \$733 \$4,113 \$69 <u>\$11,191</u> \$20,074	Prior 24-25 24-25 25-26 25-26 25-26 25-26
	<u>Performance Measure</u> 22.6 Lane mile(s)						

Note: Delay PS&E and R/W support as additional time is needed to complete a cooperative agreement with Santa Barbara County Association of Governments (SBCAG) because this project will be combined with EA 1F290 sponsored by SBCAG and EA 1J770 within the city of Guadalupe, which is sponsored by a private developer. This combination will help coordinate construction and work toward the Department's equity goal.

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	22.6	0.0	22.6
Post Condition	Lane mile(s)	22.6	0.0	0.0	22.6

6 05-SB-217 0.9/1.4 2386Y 0522000042 1C361	Near Goleta, from 0.1 mile south to 0.4 mile north of San Jose Creek Bridge No. 51-0217. Landscape mitigation for bridge replacement project EA 1C360.	23-24 24-25 201.110	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$180 \$60 \$580 \$110 <u>\$650</u> \$1,580	Prior Prior Prior 23-24 23-24 23-24 \$1,580	\$0 \$180 \$60 \$580 \$110 <u>\$650</u> \$1,580	Prior Prior Prior 24-25 24-25 24-25 24-25
	<u>Performance Measure</u> 0 Bridge(s)						

Note: Delay delivery year to align with completion of parent project.

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 05-SBt-25 18.8/19.2 2697Y 0522000069 1H811	Near Pinnacles National Park, from 0.7 miles north of San Benito Lateral/Old Hernandez Road to 2.4 miles south of Route 146. Landscape mitigation and plant establishment for safety project EA 1H810.	23-24 24-25 201.010	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$529 \$35 \$927 \$0 \$350 \$1,841		\$0 \$529 \$35 \$943 \$0 \$612 \$2,119	
	<u>Performance Measure</u> 0 Collision(s) reduced						

Note: Delay delivery to align with the schedule of the parent project EA 1H810/PPNO 05-2697 which was delayed due to R/W issues. Update construction capital because it was determined that a more robust landscaping implementation is needed after a prior slope failure. Update construction support for escalation due to delay by one year.

8 05-SCr-1 R0.0/R7.9 2926 0518000239 1K640	In and near Watsonville, from Monterey County line to north of Larkin Valley Road; also in Monterey County (PM R101.53). Rehabilitate drainage systems and lighting, install Transportation Management System (TMS) elements, pave areas behind the gore and construct Maintenance Vehicle Pullouts (MVPs) to reduce maintenance and enhance highway worker safety.	23-24 201.151	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,570 \$2,456 \$43 \$1,813 \$20 \$9,652 \$15,554	Prior 22-23 22-23 23-24 23-24 23-24 23-24	\$1,570 \$2,456 \$43 \$1,813 \$296 \$5,869 \$12,047	Prior 22-23 22-23 23-24 23-24 23-24 23-24
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Performance Measure

~~18 Culvert(s)~~

16 Culvert(s)

Concurrent COS allocation under Resolution
 FP-22-57; March 2023.

Note: Update performance because two culverts are being dropped due to schedule constraints. Update construction capital based on the reduced number of culverts and refined estimate. Increase R/W capital because of additional utility verification, coastal development permits, and city and county permits.

Performance Measure: Culverts (16 Each)					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Linear feet	0.0	577.9	1,540.5	2,118.4
Post Condition	Linear feet	2,118.4	0.0	0.0	2,118.4

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)			
9 05-SCr-9 6.3/7.2 3012 0519000136 1M400	Near Felton, from Kirby Street to north of Fall Creek Drive. Construct pedestrian and bicycle facilities to improve safety.	23-24 24-25 201.010	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$2,070 \$2,263 \$1,075 \$1,901 \$3,903 \$4,594 \$15,803	Prior Prior Prior 23-24 23-24 23-24 24-25	\$2,070 \$2,263 \$1,075 \$1,901 \$4,487 \$5,785 \$17,581	Prior Prior Prior 24-25 24-25 24-25
	<u>Performance Measure</u> 100 Collision(s) reduced						

Note: Delay delivery year to account for delay in R/W milestone for property acquisition. Increase R/W capital for increased acquisition and other fees. Additional construction capital is needed due to increase in earthwork, pavement, and drainage costs.

10 05-SCr-9 13.61 2655Y 0521000173 1H471	Near Boulder Creek, at San Lorenzo River Bridge No. 36-0052 and Kings Creek Bridge No. 36-0054 (PM 15.49). Landscape mitigation and biological monitoring for parent project EA 1H470.	25-26 201.110	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$500 \$300 \$600 \$300 <u>\$1,400</u> \$3,100	23-24 23-24 25-26 25-26 25-26 25-26 25-26	\$0 \$500 \$300 \$600 \$300 <u>\$1,400</u> \$3,100	24-25 24-25 25-26 25-26 25-26
	<u>Performance Measure</u> 0 Bridge(s)						

Note: Delay PS&E and R/W Sup fiscal years to align with the schedule of the parent project EA 1H470/PPNO 05-2655 which was delayed due to utility issues.

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 07-LA-91 6.0/R20.7 5370 0718000075 34650	In the cities of Los Angeles, Carson, Compton, Long Beach, Bellflower, Cerritos, and Artesia, from Vermont Avenue to the Orange County line (PM 6.012/20.741). Upgrade overhead signs and sign structures, rehabilitate landscaping, and enhance highway worker safety.	23-24 201.170	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,659 \$2,851 \$23 \$5,336 \$107 <u>\$23,877</u> \$33,853	Prior Prior Prior 23-24 23-24 23-24 23-24	\$1,659 \$2,851 \$23 \$5,814 \$107 <u>\$23,877</u> \$34,331	Prior Prior Prior 23-24 23-24 23-24 23-24

Performance Measure

12.0 Sign(s)

Note: Increase construction support to account for increased personnel costs and an evaluation of the effort required for inspection.

Performance Measure: Overhead Sign Structure(s)					
	Unit	Good	Fair	Poor	Quantity
Existing Condition	Each	0.0	0.0	12.0	12.0
Post Condition	Each	12.0	0.0	0.0	12.0

12 07-LA-103 0.9 5355 0718000063 34490	In the city of Los Angeles, near Wilmington, at the Anaheim Street Overhead No. 53-2627. Upgrade bridge rail.	23-24 201.112	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$872 \$1,712 \$104 \$1,820 \$119 <u>\$4,320</u> \$8,947	Prior Prior Prior 23-24 23-24 23-24 23-24	\$872 \$1,712 \$104 \$1,820 \$119 \$5,120 \$9,747	Prior Prior Prior 23-24 23-24 23-24 23-24
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Performance Measure

~~3,168.0 Linear feet rail~~

5,150.0 Linear feet rail

Note: Increase construction capital because chain link railing needs to be placed on top of concrete railing for any bridge crossing a railroad, and additional electrical costs are needed to implement highway lighting. Update performance to match bridge rail performance as shown in the project report.

Performance Measure: Bridges (1 Bridge(s))					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Linear feet rail	1,550.0	0.0	3,600.0	5,150.0
Post Condition	Linear feet rail	5,150.0	0.0	0.0	5,150.0

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 07-LA-138 33.0/33.2 5573 0719000171 36490	Near Lancaster, at the intersection with 60th Street West. Construct roundabout. <u>Performance Measure</u> 26 Collision(s) reduced	23-24 201.010	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,225 \$2,215 \$635 \$2,145 \$527 <u>\$6,153</u> \$12,900	Prior Prior Prior 23-24 23-24 23-24	\$1,225 \$2,215 \$635 \$2,145 \$356 <u>\$6,153</u> \$12,729	Prior Prior Prior 23-24 23-24 23-24

Note: Reduce R/W capital because fewer than anticipated acquisitions are required.

14 07-LA-210 R38.9 5516 0719000020 35610	In Azusa, at North Vernon Avenue. Upgrade pump plant. <u>Performance Measure</u> 1 Pump Plant(s)	23-24 201.151	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$364 \$1,017 \$77 \$789 \$17 <u>\$1,611</u> \$3,875	Prior Prior Prior 23-24 23-24 23-24	\$364 \$1,017 \$77 \$1,562 \$17 <u>\$8,771</u> \$11,808	Prior Prior Prior 23-24 23-24 23-24
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Note: Additional storage is needed at this pump plant, and two reinforced concrete boxes parallel to the existing shoulder will be added to capture stormwater runoff, increasing construction support and capital.

Performance Measure: Pump Plants (1 Each)					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Pump plant(s) (ea)	0.0	0.0	1.0	1.0
Post Condition	Pump plant(s) (ea)	1.0	0.0	0.0	1.0

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 07-LA-710 6.0/14.1 5404 0718000167 34990	In Long Beach and Compton, from Shoreline Drive to north of Alondra Boulevard. Enhance highway worker safety, public safety and accessibility by constructing Maintenance Vehicle Pullouts (MVPs), upgrading guardrail and end treatments, paving beyond the gore and under the bridge , installing erosion control, and replacing pull boxes, widen sidewalk, upgrade facilities to Americans with Disabilities Act (ADA) standards, and widen northbound offramp to Route 1.	23-24 201.235	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$716 \$1,864 \$91 \$1,915 \$96 \$4,582 \$9,264	Prior Prior Prior 23-24 23-24 23-24 23-24	\$716 \$1,864 \$91 \$2,060 \$92 \$6,615 \$11,438	Prior Prior Prior 23-24 23-24 23-24 23-24

Performance Measure

54 Location(s)

55 Location(s)

Note: Update scope and performance to account for features added during design, including ramp widening, sidewalk widening, and ADA features. Increase construction capital for additional work, construction support because of thirty additional working days, and reduce R/W capital because of reduced utility verification needs.

16 08-Riv-74 3011L 0818000017 1J320	Near Lake Elsinore, at the Lake Elsinore Maintenance Station at 18745 Conard Avenue. Construct a new maintenance facility at the existing location.	23-24 201.352	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,027 \$2,204 \$88 \$2,263 \$3,789 \$6,069 \$15,440	Prior Prior Prior 23-24 23-24 23-24 23-24	\$1,027 \$2,204 \$88 \$2,263 \$2,045 \$6,069 \$13,696	Prior Prior Prior 23-24 23-24 23-24 23-24
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Performance Measure

1 Location(s)

Note: Decrease R/W capital due to revised costs for R/W acquisition, positive utility location work, and demolition 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	0.0	0.0
Post Condition	Square feet	3,000.0	0.0	0.0	3,000.0

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 10-SJ-4 0.0 3276 1017000185 1H360	Near Discovery Bay, at Old River Bridge No. 29-0045. Remove and replace the deteriorated fender system Install walers, place polyester concrete overlay, paint steel bridge, and remove abandoned garage.	23-24 201.119	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,591 \$1,321 \$0 \$2,099 \$872 \$6,121 \$12,004	Prior 22-23 0 23-24 23-24 23-24 23-24	\$1,591 \$1,321 \$0 \$2,480 \$495 \$7,801 \$13,688	Prior 22-23 0 23-24 23-24 23-24
	<u>Performance Measure</u> 1 Bridge(s)						

Note: A field investigation determined the dolphins and fender systems are in good condition. Revise description and scope to remove dolphins and fender systems and add polyester concrete overlay, painting the steel bridge, and removing an abandoned garage. Increase Con Sup & Cap due to the revised scope. Decrease R/W Cap due to the decrease in environmental mitigation because of less in-water 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	0.0	0.0	11,453.0	11,453.0
Post Condition	Square feet	0.0	11,453.0	0.0	11,453.0

List of 2022 SHOPP Amendments (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.) for Senate Bill 1 Projects

Project No.
 Dist-Co-Rte
 PM
 PPNO
 Project ID
 EA

Project Location and Description of Work
 Performance Measure

FY
 Program Code

Project Costs
 (\$1,000)

1	In Ontario, from south of Cedar Street Route 60 to	23-24	PA&ED	\$3,342	Prior	\$3,342	Prior
08-SBd-83	Route 10; also from Merrill Avenue to Route 60	201.124	PS&E	\$5,553	22-23	\$5,553	22-23
7.6/11.1	(PM 3.92/7.15). Rehabilitate pavement and upgrade	201.160	R/W Sup	\$1,772	22-23	\$1,772	22-23
7.2/11.1	facilities to Americans with Disabilities Act (ADA)		Con Sup	\$5,797	23-24	\$0	23-24
3011G	standards. Financial Contribution Only (FCO) to		R/W Cap	\$646	23-24	\$0	23-24
0818000013	City of Ontario to relinquish roadway.		Const Cap	\$23,449	23-24	\$23,449	23-24
1J280			Total	\$40,559		\$34,116	

G13 Contingency

Performance Measure

47.9 Lane mile(s)

7.1 Centerline mile(s)

Concurrent COS allocation under Resolution

FP-22-57; March 2023.

Note: This project will be a Financial Contribution Only (FCO) for construction capital to the City of Ontario to relinquish this route. Update postmiles, description, performance, and program code to reflect this change.

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
 Performance Measure

FY
 Program Code

Project Costs
 (\$1,000)

1 01-Hum-101 79.5/80.2 2417 0115000088 0F200	In Eureka, at the Eureka Slough Bridge No. 04-0022L. Seismic retrofit. Long Lead Project <u>Performance Measure</u> 1 Bridge(s)	26-27 201.113	PA&ED * PS&E * R/W Sup * Con Sup * R/W Cap * Const Cap Total	\$709 \$1,574 \$75 \$1,206 \$3,837 \$3,695 \$11,096	Prior 24-25 24-25 26-27 26-27 26-27
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* Phase not authorized

Note: Delete project. Additional studies concluded that both northbound and southbound structures need seismic retrofit and given the age of the bridges, bridge replacement strategy will be pursued. The new scope will be programmed into a new project EA 0M760/PPNO 01-2600.

2 05-SB-101 R0.0/R52.2 2799 0518000086 1J910	In and near the cities of Carpinteria and Santa Barbara, from Ricon Point Road to south of Old Coast Highway at various locations. Rehabilitate drainage systems and install Transportation Management System (TMS) elements. Long Lead Project <u>Performance Measure</u> 36 Culvert(s) 38 Culvert(s)	26-27 201.151	PA&ED * PS&E * R/W Sup * Con Sup * R/W Cap * Const Cap Total	\$2,015 \$2,335 \$883 \$5,724 \$764 \$20,785 \$32,503	Prior 23-24 23-24 26-27 26-27 26-27 26-27	\$2,015 \$2,665 \$1,099 \$5,500 \$726 \$18,662 \$30,667	Prior 24-25 24-25 26-27 26-27 26-27
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* Phase not authorized

Note: Additional time is needed to complete PA&ED, which will delay PS&E and R/W support to the following fiscal year. PS&E is increasing because of escalation, and R/W support is increasing because of additional drainage easements. Change output based on recent culvert inspections. R/W capital, construction capital, and construction support are decreasing due to reduction in overall culvert length.

Performance Measure: Culverts (38 Each)					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Linear feet	0.0	53.0	3,634.5	3,687.5
Post Condition	Linear feet	3,687.5	0.0	0.0	3,687.5