

## MEMORANDUM

To: CHAIR AND COMMISSIONERS  
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: May 17-18, 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-008**

### **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-008?

### **RECOMMENDATION:**

The Department recommends that the Commission approve SHOPP Amendment 22H-008 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 99 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	96	\$0	\$398,376	\$0	\$14,294	\$4,850
Collision Reduction	3	\$0	\$1,380	\$0	\$3,395	\$10,126
Total New Amendments	99	\$0	\$399,756	\$0	\$17,689	\$14,976

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

The Department recommends 1 additional new capital project 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 component of Senate Bill 1 utilizing capacity generated from 2022 SHOPP programming capacity and the Infrastructure Investment and Jobs Act (IIJA). This project is 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	\$30,069	\$0
Total New Amendments	1	\$0	\$0	\$0	\$30,069	\$0

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-36 7.0/42.0 2602 0123000072 0M810	Near Fortuna, from Love-Lee Lane to 1.5 miles east of Van Duzen River Bridge, at various locations. Remove debris, stabilize slopes, and repair pavement and drainage systems.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$50 \$1,500 \$50 <u>\$1,500</u> \$3,100	201.130 Assembly: 2 Senate: 2 Congress: 2 7 Location(s)
<u>Note:</u> Following a period of heavy rainfall beginning January 1, 2023, multiple slides and slipouts occurred in the region. Flooding on the roadway and pavement cracking was also observed. A large slide at PM 16.0 resulted in a multi-day closure of the roadway. A slipout at PM 37.4 resulted in pavement cracking and the roadway is under one-way traffic control for the safety of the traveling public. This project will remove debris, stabilize slopes, and repair pavement and drainage systems as the active slides are being monitored.					
2 01-Hum-96 22.5/24.5 2603 0123000074 0M830	Near Weitchpec, from 0.5 mile west of Klamath River Bridge to 1.5 miles east of Route 169. Repair roadway and drainage systems, install dewatering system, stabilize embankment, 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 \$25 \$255 \$10 <u>\$850</u> \$1,140	201.130 Assembly: 2 Senate: 2 Congress: 2 1 Location(s)
<u>Note:</u> Following a period of heavy rainfall beginning on January 4, 2023, over-saturation caused embankment failure beneath the downdrain. The embankment failure caused separation of downdrain, which led to increased loss of embankment, further threatening the roadway. This project will repair roadway and drainage systems, install dewatering system, stabilize embankment, 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.
3 01-Hum-101 T0.0/1.5 2604 0123000075 0M840	Near Cooks Valley, from Humboldt County line to 0.1 mile south of Richardson Grove Undercrossing. Remove debris, stabilize slope, reconstruct roadway, repair drainage, and place erosion control.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 2
			R/W Sup	\$50	Senate: 2
			Con Sup	\$750	Congress: 2
			R/W Cap	\$50	
			Const Cap	\$2,500	1 Location(s)
			Total	\$3,350	
	<u>Note:</u> On January 17, 2023, following a period of heavy rainfall, over-saturation of the embankment caused a slipout. Roadway cracking developed and rapidly increased, requiring the southbound lane to be closed. This project will remove debris, stabilize slope, reconstruct roadway, repair drainage, and place erosion control.				
4 01-Hum-101 R40.0/51.5 2601 0123000071 0M800	Near Rio Dell, from 0.3 mile north of Redcrest Undercrossing to 0.4 mile north of Pacific Lumber Company Undercrossing. Remove debris, stabilize slope, repair drainage, and place rock slope protection.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 2
			R/W Sup	\$75	Senate: 2
			Con Sup	\$540	Congress: 2
			R/W Cap	\$75	
			Const Cap	\$1,800	2 Location(s)
			Total	\$2,490	
	<u>Note:</u> Following a period of heavy rainfall beginning on January 4, 2023, a slope failure developed at PM 50.5. The field maintenance forces responded to keep the route open. As storms continued to impact the area, an additional slide occurred at PM 41.2. This project will remove debris, stabilize slope, repair drainage, and place rock slope protection.				
5 01-Lak-29 12.5/14.5 3220 0123000070 0M790	Near Middletown, from 0.6 mile north of Spruce Grove Road to 0.4 mile south of Hofacker Lane. Remove debris, stabilize slope, and repair drainage.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 4
			R/W Sup	\$75	Senate: 2
			Con Sup	\$600	Congress: 4
			R/W Cap	\$75	
			Const Cap	\$2,000	1 Location(s)
			Total	\$2,750	
	<u>Note:</u> Following a period of heavy rainfall, on January 4, 2023, a slope failure developed at PM 12.9. The field maintenance forces responded to keep the route open. As storms continued to impact the area, the first slide progressed and two additional slides began to develop at PM 13.4 and 13.5. This project will remove debris, stabilize slope, and repair drainage.				

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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.
6 01-Men-253 7.5/9.5 4803 0123000073 0M820	Near Boonville, from 4.0 miles east to 6.0 miles east of Soda Creek Bridge; also on Route 20 from 0.8 mile west to 1.2 miles east of Road 200A (PM16.5/18.5). Repair drainage systems, restore pavement, repair slide, and provide erosion control.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 2
			R/W Sup	\$75	Senate: 2
			Con Sup	\$450	Congress: 2
			R/W Cap	\$75	
			Const Cap	\$1,500	2 Location(s)
			Total	\$2,100	
	<p><u>Note:</u> Following a period of heavy rainfall beginning on January 4, 2023, a series of issues related to excessive rainfall occurred in the area. The field maintenance crews made temporary repairs to keep the routes safe and open. On Route 253, a 100 foot scarp developed along embankment, resulting in pavement cracking. On Route 20, roadway flooding saturated the soil underneath the pavement, causing pavement failure. This project will repair drainage systems, restore pavement, repair slide, and provide erosion control.</p>				
7 03-But-99 5.6 2445 0323000128 4J180	Near Gridley, at 0.5 mile north of Ord Ranch Road. Replace failed culverts and repair sinkhole.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 3
			R/W Sup	\$0	Senate: 1
			Con Sup	\$120	Congress: 1
			R/W Cap	\$0	
			Const Cap	\$600	1 Location(s)
			Total	\$720	
	<p><u>Note:</u> On January 17, 2023, a high intensity storm resulted in failed culvert systems. This caused erosion and a sinkhole opened up. This project will replace failed culverts and repair the sinkhole.</p>				
8 03-Col-5 R3.0/R9.0 2797 0323000140 4J210	Near Arbuckle, from 0.2 mile south of Greenbay Road Overcrossing to 1.3 miles south of Hahn Road. Repair failed pavement.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 4
			R/W Sup	\$0	Senate: 1
			Con Sup	\$300	Congress: 1
			R/W Cap	\$0	
			Const Cap	\$1,500	5 Location(s)
			Total	\$1,800	
	<p><u>Note:</u> Multiple rain events between January 1, 2023 to January 19, 2023 resulted in the failure of asphalt pavement at multiple locations. The rain infiltrated the cracks in the pavement causing severe distress under heavy traffic loads. This project will apply mudjacking by pumping soil cement slurry under the pavement to provide support and then finish the surface with paving.</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.
9 03-ED-49 Var 3167 0323000125 4J160	In El Dorado County on Routes 49, 50, and 193 at various locations. Remove debris, restore slopes, place erosion control, clean drainage inlets, regrade ditches, replace culverts, and restore pavement.  <u>Note:</u> A series of high-intensity storms caused extensive damage to the state highway system in El Dorado county. There were numerous washouts, culvert failures, slides, and debris on the traveled way creating unsafe conditions for traveling public. This project will remove debris, restore slopes, place erosion control, clean drainage inlets, regrade ditches, replace culverts, and restore pavement.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$1,200 \$0 <u>\$6,000</u> \$7,200	22-23 22-23 201.130 Assembly: 5, 6 Senate: 4 Congress: 3 46 Location(s)
10 03-Sac-99 5.0/8.3 4943 0323000124 4J150	Near Elk Grove, from 1.0 mile south of Arno Road to 0.9 mile north of Dillard Road. Remove debris, repair gurdrail, drainage, pavement, and bridge scour, and place rock slope protection and erosion control.  <u>Note:</u> On January 1, 2023, a high intensity storm caused a levee failure which resulted in storm water over-topping the roadway for two days over this low lying stretch of Route 99. Due to failed levee, an unexpected amount of water moved quickly over the roadway and receded slowly. This resulted in erosion, pavement damage, bridge scour, and debris. Traveling public also had to be detoured. This project will remove debris, repair guardrail, drainage, pavement, and bridge scour, and place rock slope protection and erosion control.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$400 \$0 <u>\$2,000</u> \$2,400	22-23 22-23 201.130 Assembly: 9 Senate: 6 Congress: 7 3 Location(s)

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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.	
11 03-Sie-49 2.5/3.5 7812 0323000130 4J200	Near Camptonville, from 1.2 miles south to 0.2 mile south of North Yuba River Bridge. Stabilize slope, remove damaged retaining wall and construct viaduct.  <u>Note:</u> A series of winter storms occurring between January 1, 2023 to January 19, 2023 saturated the slopes in this region and caused them to become unstable. On January 19, a high intensity storm caused a major slipout. The existing retaining wall failed and undermined the traveled way. This project will stabilize the failed slope, remove the damaged retaining wall and construct a viaduct.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$500 \$0 <u>\$2,500</u> \$3,000	22-23 22-23 22-23 22-23 22-23 22-23 22-23	201.130 Assembly: 1 Senate: 1 Congress: 3  1 Location(s)
12 03-Sie-49 15.9 7813 0323000175 4J490	Near Downieville,at 1.7 miles west of Saddleback Road. Repair culvert and backfill sinkhole.  <u>Note:</u> On February 27, 2023, a 3-foot wide and 6-foot deep sinkhole was observed on Route 49. For the safety of traveling public, the lane was closed. The inspections revealed that a 96-inch culvert that had failed during the recent rain events has eroded the material around the culvert which eventually caused a sinkhole. This project will repair the culvert and backfill the sinkhole.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$140 \$0 <u>\$700</u> \$840	22-23 22-23 22-23 22-23 22-23 22-23 22-23	201.130 Assembly: 1 Senate: 1 Congress: 3  1 Location(s)
13 04-Ala-24 R5.9 2918E 0423000183 2Y960	In Oakland at Caldecott Tunnels. Clear debris, repair drainage, stabilize slope, implement erosion control, and install rock fall fence.  <u>Note:</u> The intense winter storms that occurred from December 2022 to January 2023 caused significant erosion and saturation of the hillside at the Caldecott Tunnels, placing additional stress on the already overburdened drainage systems. As a result, debris and mud blocked the drain pipes and plugged the inlets. There is a significant concern of water overflow and potential damage to fire pumps and electrical systems that operate the tunnel. This project will clear debris, repair drainage, stabilize slope, implement erosion control, and install rock fall fence.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$215 \$0 <u>\$535</u> \$750	22-23 22-23 22-23 22-23 22-23 22-23 22-23	201.130 Assembly: 14 Senate: 7 Congress: 12  1 Location(s)

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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.
14 04-Ala-580 43.2 2919J 0423000200 3Y130	In Oakland, at 0.1 mile east of Lake Park Avenue Overcrossing. Inject high density polyurethane, clean drainage system, install rock slope protection, and repair the pavement.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 18
			R/W Sup	\$0	Senate: 7
			Con Sup	\$300	Congress: 12
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$1,400</u>	1 Location(s)
			Total	\$1,700	
	<p><u>Note:</u> The intense rain storms of December 2022 and January 2023 caused excessive runoff and damaged culverts in the region. At this location, a series of severe storms resulted in drainage failure, slope erosion, pavement depression, and road settlement. This has caused a vertical displacement of a soundwall, which has been deemed safe for now but will be monitored. This project will inject high density polyurethane, clean drainage system, install rock slope protection, and repair the pavement.</p>				
15 04-Ala-580 Var 2918A 0423000163 2Y820	In Oakland and San Leandro on Routes 77, 580, and 880, at four pump station locations. Repair and replace pumps.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 18, 20
			R/W Sup	\$0	Senate: 7, 9
			Con Sup	\$200	Congress: 12, 14
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$1,000</u>	4 Location(s)
			Total	\$1,200	
	<p><u>Note:</u> During the winter storms of December 2022 and January 2023, the pumps at these four locations failed. During flooding, the pumps started failing due to debris inflow and seal failures. At one location the electrical wires from the electrical panels were found to be disconnected. This work is necessary to restore the pumps to working level in the event of further rainfall. This project will repair and replace the damaged pump plants.</p>				

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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.
16 04-Ala-Var Var 2919E 0423000206 3Y190	In Alameda, Santa Clara, San Francisco, and San Mateo counties on various routes at various locations. Repair and replace signal poles, light poles, and signal cabinets.  <u>Note:</u> During winter storms of January 2023, strong winds, fallen trees, and excessive rain caused widespread damage to electrical assets such as signal poles, light poles, and signal cabinets throughout the region. To ensure the safety of traveling public and continuity of the transportation infrastructure, this project will repair and replace knocked down signal poles, light poles, and signal cabinets.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$480 \$0 \$1,600 \$2,080	201.130 Assembly: 16, 17, 19, 20, 23, 26, 29 Senate: 7, 10, 11, 13, 15 Congress: 11, 12, 14, 15, 16, 17  57 Location(s)
17 04-Ala-Var Var 2918D 0423000184 2Y970	In Alameda, Contra Costa, Solano, and Sacramento counties on various routes at various locations. Remove hazard trees, replace fencing and signs, and place erosion control.  <u>Note:</u> A series of storms in January 2023 downed numerous trees on various routes in the region. For the safety of the traveling public, these damaged and hazardous trees need to be removed. This project will remove hazard trees, replace fencing and signs, 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 \$0 \$225 \$0 \$1,025 \$1,250	201.130 Assembly: 9, 11, 14, 16, 18 Senate: 3, 7, 9 Congress: 4, 7, 8, 10, 12  60 Location(s)
18 04-CC-Var Var 2919N 0423000205 3Y180	In Contra Costa, Marin, Solano, Sonoma, and Sacramento counties on various routes at various locations. Repair and replace signal poles, light poles, and signal cabinets.  <u>Note:</u> During winter storms of January 2023, strong winds, fallen trees, and excessive rain caused widespread damage to electrical assets such as signal poles, light poles, and signal cabinets throughout the region. To ensure the safety of traveling public and continuity of the transportation infrastructure, this project will repair and replace knocked down signal poles, light poles, and signal cabinets.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$390 \$0 \$1,300 \$1,690	201.130 Assembly: 2, 9, 11, 12, 14, 15, 16 Senate: 2, 3, 5, 7, 9, 11 Congress: 2, 4, 7, 8, 9, 10  42 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.
19 04-Mrn-1 35.3 2918M 0423000196 3Y090	Near Point Reyes, at 0.4 mile north of Ellis Creek Bridge. Restore and stabilize slope, replace damaged drainage system, and repair pavement.  <u>Note:</u> The intense rains of January 2023 damaged a drainage pipe causing slope erosion adjacent to the southbound shoulder. This undermined the existing pavement. For the safety of the traveling public, southbound lane had to be closed and the route was placed under one-way traffic control. This project will restore and stabilize the slope, replace damaged drainage system, 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 \$490 \$0 <u>\$1,640</u> \$2,130	201.130 Assembly: 12 Senate: 2 Congress: 2  1 Location(s)
20 04-Mrn-1 Var 2917S 0423000171 2Y900	In Marin and Sonoma counties on Route 1 at various locations. Remove hazard trees.  <u>Note:</u> A series of storms and high winds between January 1, 2023 and January 14, 2023 downed numerous trees in the region. The fallen trees created a hazardous condition for the traveling public. This project will remove hazard trees.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$420 \$0 <u>\$1,400</u> \$1,820	201.130 Assembly: 2, 12 Senate: 2 Congress: 2  89 Location(s)
21 04-Mrn-101 1.7 2917T 0423000170 2Y890	In Sausalito, at 0.2 mile north of Spencer Avenue. Remove damaged trees, repair culvert, replace chain link fence, and stabilize slope.  <u>Note:</u> The storm events of January 2023 eroded the slope, and damaged culvert, fence, and trees in the area. To restore roadway facilities and prevent further deterioration, this project will remove damaged trees, repair culvert, replace chain link fence, and stabilize slope.	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>\$1,500</u> \$1,950	201.130 Assembly: 12 Senate: 2 Congress: 2  1 Location(s)

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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 04-Nap-29 28.7/29.0 2919R 0423000220 3Y310	In Saint Helena, from Adams Street to Madrona Avenue. Repair drainage systems.  <u>Note:</u> The intense rain storms of December 2022 and January 2023 caused excessive runoff and overwhelmed the drainage systems in the region. This caused flooding at various locations. Temporary measures were put in place to address flooding, but the existing drainage systems need to be repaired to handle future storms. This project will repair drainage systems at multiple locations within the project limits.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$1,200 \$0 <u>\$4,000</u> \$5,200	22-23 0 22-23 2 Location(s)
23 04-Nap-29 Var 2920R 0423000236 3Y430	Near Calistoga on Route 29 at various locations. Clear debris, remove hazard trees, and replace signs.  <u>Note:</u> A series of storms and snow in February 2023 downed a number of trees in the region. For the safety of the traveling public, these damaged and hazardous trees need to be removed. This project will clear debris, remove hazard trees, and replace signs.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$290 \$0 <u>\$980</u> \$1,270	22-23 22-23 4 Location(s)
24 04-Nap-128 16.0 2918J 0423000185 2Y980	Near Saint Helena, at 0.2 mile east of Lower Chiles Valley Road. Stabilize slope by installing anchored sheet pile system, reconstruct pavement, and install guardrail.  <u>Note:</u> In January 2023, a slipout occurred between the traveled way and a creek, resulting in loss of shoulder. The pavement cracked in one of the traveled lanes, resulting in lane closure and implementation of one-way traffic control. This project will stabilize the slope by installing anchored sheet pile system, reconstruct pavement, and install guardrail.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$300 \$0 <u>\$1,300</u> \$1,600	22-23 22-23 1 Location(s)



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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.
28 04-SCI-680 M4.8/M5.1 2919B 0423000194 3Y070	In San Jose, at Hostetter Undercrossing No. 37 -0296 and Capitol Avenue Undercrossing No. 37 -0297. Repair uneven road surface by injecting high density polyurethane, replace damaged approach slabs, 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 \$800 \$0 \$3,600 \$4,400	22-23 22-23 22-23 201.130 Assembly: 24 Senate: 10 Congress: 17 2 Location(s)
<u>Note:</u> The intense winter storms that occurred from December 2022 to January 2023 resulted in the deterioration of materials underneath the pavement, causing uneven settlement across the travel lanes. This created an abrupt change in grade and uneven ride surface, posing danger to vehicles traveling at freeway speeds. This project will repair the uneven road surface by injecting high density polyurethane, replace damaged approach slabs, and repair pavement.					
29 04-SCI-Var Var 2920C 0423000241 3Y480	In Santa Clara county, on Routes 9, 17, and 35 at various locations. Remove hazard trees.  <u>Note:</u> A series of storms and snow in February 2023 downed a number of trees in the region. For the safety of the traveling public, these damaged and hazardous trees need to be removed. This project will remove hazard trees.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$1,197 \$0 \$3,990 \$5,187	22-23 22-23 22-23 201.130 Assembly: 23, 28 Senate: 13, 15 Congress: 16 299 Location(s)
30 04-SM-1 13.5 2919H 0423000202 3Y150	Near Pescadero, at 0.1 mile south of Pescadero Creek Road. Repair pavement and replace guardrail.  <u>Note:</u> Severe winter storms of December 2022 and January 2023 caused settlement of this roadway segment. The surface runoff seeping into the pavement cracks caused the over-saturated supporting soils to collapse, resulting in about 3-inch settlement of the roadway and cracking in the pavement. The dip and cracks have exposed the sub-surface layers of the pavement which will further degrade the structural integrity of the roadway. This project will repair the pavement and replace guardrail.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$135 \$0 \$450 \$585	22-23 22-23 22-23 201.130 Assembly: 23 Senate: 13 Congress: 16 1 Location(s)

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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.
31 04-SM-92 5.1 2918H 0423000188 3Y010	Near San Mateo, at 0.1 mile west of Route 35. Repair sinkhole, replace existing cross drainage pipe, reconstruct pavement structural section, and stabilize slope.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 23
			R/W Sup	\$130	Senate: 13
			Con Sup	\$1,250	Congress: 16
			R/W Cap	\$10	
			<u>Const Cap</u>	<u>\$5,850</u>	1 Location(s)
			Total	\$7,240	
	<u>Note:</u> The rain storms of January 2023 over-saturated the slopes in the region, causing a large sinkhole to appear in the westbound lane. The sinkhole is approximately 20-feet wide and 12-feet deep. For the safety of the traveling public, the roadway had to be fully closed to traffic. This project will repair the sinkhole, replace existing cross drainage pipe, reconstruct the pavement structural section, and stabilize slope.				
32 04-SM-92 7.0 2919F 0423000208 3Y210	Near San Mateo, at 0.1 mile west of Route 35/Skyline Boulevard. Repair slope, install rock slope protection, and repair drainage system.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 23
			R/W Sup	\$0	Senate: 13
			Con Sup	\$213	Congress: 16
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$710</u>	1 Location(s)
			Total	\$923	
	<u>Note:</u> During the winter storms of December 2022 and January 2023, persistent rains over-saturated the slopes in the region resulting in a slip out at this location. The slip out caused slope erosion and shoulder washout due to clogged drainage system. The erosion has extended to edge of traveled way. This project will repair the slope, install rock slope protection, and repair drainage system.				

## 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.
33 04-SM-280 10.3 2919D 0423000195 3Y080	Near San Carlos, at 0.3 mile south of Crystal Springs Bike Overcrossing. Replace old and damaged pumps.  <u>Note:</u> The intense rain storms of December 2022 and January 2023 have impacted the functioning of one of the pumps at the Canada Pump plant. The storms have accumulated runoff in the catch basin of this pump plant. The runoff water is at risk of discharging into a spill way, which connects to the Crystal Spring Dam Reservoir, a drinking water reservoir. The remaining functioning pump will not be able to handle water from subsequent storms on its own. Pump replacement is necessary to prevent flooding and roadway closures. This project will replace the old and damaged pumps.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$320 \$0 <u>\$1,110</u> \$1,430	22-23 22-23 201.130 Assembly: 23 Senate: 13 Congress: 16 1 Location(s)
34 04-Sol-37 R9.5 2917V 0423000176 2Y920	Near Vallejo, at Route 37/29 Junction. Remove beaver dam, repair access road, trace and repair the leaking pipe.  <u>Note:</u> On December 31, 2022, an intense rainstorm swamped the region. Storm water runoff obstructed by a beaver dam on Chabot Creek and an unknown leaking water source caused flooding to adjoining properties and washed out an access road. This project will remove the beaver dam, repair the access road, trace and repair the leaking pipe.	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>\$795</u> \$1,245	22-23 22-23 201.130 Assembly: 11 Senate: 3 Congress: 8 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.
35 04-Sol-84 12.5 2918N 0423000197 3Y100	Near Rio Vista, at 0.7 mile south of Oxford Road. Repair the earthen slope and damaged pavement, and install rock slope protection.  <u>Note:</u> During the winter storms of December 2022 and January 2023, a slip out and erosion at the base of the slope within an earthen canal occurred. The slip out was due to over-saturation of the slope during heavy rain when excess water filled the upstream culvert crossing. Some of the eroded slope is within two feet of the travel way, undermining the roadway. The erosion has resulted in cracks in the roadway. This project will repair the earthen slope and damaged pavement, and install 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 \$288 \$0 <u>\$480</u> \$768	201.130 Assembly: 11 Senate: 3 Congress: 4  1 Location(s)
36 04-Son-1 10.8 2918K 0423000180 2Y930	Near Bodega Bay, at 0.2 mile north of Windy Lane. Construct soldier pile wall, place rock slope protection, and repair drainage systems.  <u>Note:</u> The intense winter storms that occurred from December 2022 to January 2023 caused slopes to over-saturate, As a result, a slip-out occurred along the shoulder on Route 1. To prevent loss of lanes and for the safety of traveling public, immediate repairs are necessary. This project will construct soldier pile wall, place rock slope protection, and repair drainage systems.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$517 \$0 <u>\$1,722</u> \$2,239	201.130 Assembly: 2 Senate: 2 Congress: 2  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.
37 04-Son-1 24.7 2918V 0423000189 3Y020	Near Jenner, at 0.2 mile north of Russian Gulch Bridge. Repair drainage system and pavement, and stabilize slope by constructing soldier pile retaining wall and injecting high density grout.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 2
			R/W Sup	\$0	Senate: 2
			Con Sup	\$1,482	Congress: 2
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$4,940</u>	1 Location(s)
			Total	\$6,422	
	<p><u>Note:</u> The intense rain storms of December 2022 and January 2023 over-saturated the slopes and damaged culverts in the region. At this location, a culvert failure caused erosion of the over-saturated embankment resulting in a slip-out, loss of shoulder and a crack in the pavement of the southbound lane. For the safety of traveling public, southbound lane was closed and one-way traffic control was put in place. This project will repair drainage system and pavement, and stabilize the slope by constructing soldier pile retaining wall and injecting high density grout.</p>				
38 04-Son-1 34.5 2918F 0423000186 2Y990	Near Fort Ross, at 1.5 miles north of Fort Ross Road. Stabilize slope by installing micro piles and injecting grout throughout the area of failure.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 2
			R/W Sup	\$0	Senate: 2
			Con Sup	\$2,700	Congress: 2
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$4,500</u>	1 Location(s)
			Total	\$7,200	
	<p><u>Note:</u> In December 2022, intense rain storms saturated the slopes in the region. The heavy rains reactivated the slide at this location and a crack was observed in the roadway. To ensure safety of the traveling public, it is necessary to stabilize the slope. This project will install micro piles and inject grout throughout the area of failure.</p>				
39 04-Son-12 R15.4 2918C 0423000169 2Y880	In Santa Rosa, at Dutton Avenue Undercrossing No. 20-0203L. Replace drainage system and approach slabs.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 2, 12
			R/W Sup	\$0	Senate: 2
			Con Sup	\$265	Congress: 4
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$1,235</u>	1 Location(s)
			Total	\$1,500	
	<p><u>Note:</u> On January 4, 2023, it was found that due to high intensity winter storms, a drainage pipe was broken and is leaking into the abutment backfill. The seeping water has caused erosion, created a sinkhole, and exposed the abutment pile. This project will replace drainage system and approach slabs.</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.
40 04-Son-116 9.2 2909N 0420000084 0AC30	Near Guerneville, at 0.2 mile west of Redwood Drive. Repair storm damaged slope by installing soil nail wall.  PA&ED: 3/3/2025 R/W: 4/1/2026 RTL: 5/1/2026 BC: 10/30/2026	25-26	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$753 \$1,026 \$85 \$933 \$137 <u>\$1,916</u> \$4,850	22-23 24-25 24-25 25-26 25-26 25-26 25-26 201.131 Assembly: 2 Senate: 2 Congress: 2 1 Location(s)
Concurrent COS allocation under Resolution FP-22-70; May 2023.					
41 04-Son-128 0.0/4.8 2920F 0423000235 3Y420	Near Cloverdale, from Mendocino County line to North Cloverdale Boulevard. Remove hazard trees and replace signs.  <u>Note:</u> A series of storms and snow in February 2023 downed a number of trees in the region. For the safety of the traveling public, these damaged and hazardous trees need to be removed. This project will remove hazard trees and replace signs.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$210 \$0 <u>\$700</u> \$910	22-23 22-23 22-23 22-23 22-23 22-23 201.130 Assembly: 2 Senate: 2 Congress: 2 3 Location(s)
42 04-Son-128 16.0/16.6 2919A 0423000203 3Y160	Near Calistoga, from 0.6 mile east to 1.2 miles east of Chalk Hill Road at various locations. Place rock slope protection, install wire-mesh drapery, construct soldier pile wall, repair distressed embankments, restore drainage systems, and repair pavement.  <u>Note:</u> During the intense rainstorms of December 2022 and January 2023, various locations along Route 128 experienced landslides, rock slides, eroded slopes and debris flowing into the drainage systems. Slope conditions have continued to deteriorate and immediate repairs are needed for the safety of traveling public. This project will place rock slope protection, install wire-mesh drapery to prevent rockfall, construct soldier pile wall, repair distressed embankments, restore drainage systems, and repair pavement.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$20 \$793 \$30 <u>\$2,680</u> \$3,523	22-23 22-23 22-23 22-23 22-23 22-23 201.130 Assembly: 2 Senate: 2 Congress: 2 4 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.
43 05-Mon-1 20.9/42.2 3145 0523000074 1Q770	Near Big Sur, from Limekiln State Park to 0.9 mile south of Castro Canyon Bridge. Repair storm damage, including slide mitigation, restoring rockfall barrier systems, and replacing culverts.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 30
			R/W Sup	\$0	Senate: 17
			Con Sup	\$10,000	Congress: 19
			R/W Cap	\$100	
			<u>Const Cap</u>	<u>\$45,600</u>	25 Location(s)
			Total	\$55,700	
	<u>Note:</u> The Big Sur coastal area experienced multiple large storm events from December 2022 through January 2023. The heavy rain along with high winds resulted in multiple landslides and debris flows which impacted the highway, drainage systems, rockfall drapery, and embankments. The Paul's Slide complex became unstable and requires mitigation to restore functionality and emergency access. This project will remove slide material, reconstruct fill, restore or replace culverts, restore damaged highway and embankment portions, restore rockfall barrier systems, and implement erosion control.				
44 05-Mon-1 44.7/69.8 3146 0523000090 1Q800	Near Big Sur, from 0.9 mile south of Sycamore Canyon Road to 0.1 mile north of Corona Road. Repair storm damage, including clearing or repairing culverts, restoring slopes, and clearing debris.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 30
			R/W Sup	\$0	Senate: 17
			Con Sup	\$7,000	Congress: 19
			R/W Cap	\$40	
			<u>Const Cap</u>	<u>\$25,400</u>	11 Location(s)
			Total	\$32,440	
	<u>Note:</u> Storms from December 2022 through January 2023 brought heavy rain and winds, resulting in multiple landslides, debris flows, blocked culverts, slope damage, pavement distress, guardrail damage, and debris deposits at bridge piers. This project will remove sediment and debris, clear and repair culverts, reconstruct and restore slopes, remove debris at bridges, and restore guardrail and pavement.				

## 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.
45 05-Mon-25 Var 3147 0523000076 1Q810	In Monterey and San Benito counties on route 25, 101, and 198 at various locations. Repair storm damage, including drainage systems, embankments, and roadway.	22-23	PA&ED	\$0	201.130
			PS&E	\$200	22-23 Assembly: 29
			R/W Sup	\$10	22-23 Senate: 17
			Con Sup	\$590	22-23 Congress: 18
			R/W Cap	\$10	22-23
			<u>Const Cap</u>	<u>\$2,800</u>	22-23 8 Location(s)
			Total	\$3,610	
	<u>Note:</u> Storms beginning on December 27, 2022 resulted in high winds, substantial precipitation, flooding, and sediment flows, resulting in damaged drainage systems, flooded roadways, dike overtopping, sediment deposits, and failed embankments and structural sections, and highway closures in some locations. This project is necessary to clear sediment debris, restore drainage systems, replace downdrains, regrade embankments and shoulders, repair damaged pavement, regrade ditches, and install Rock Slope Protection (RSP).				
46 05-Mon-101 99.0 3156 0523000096 1Q900	Near Salinas, at 0.4 mile north of Echo Valley Road; also in San Benito County near San Juan Batista on Route 156 at Route 101 (PM 0.0). Repair storm damaged facilities, including washed out embankments, drainage systems, and dikes.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	22-23 Assembly: 29
			R/W Sup	\$0	22-23 Senate: 17
			Con Sup	\$280	22-23 Congress: 18
			R/W Cap	\$0	22-23
			<u>Const Cap</u>	<u>\$950</u>	22-23 2 Location(s)
			Total	\$1,230	
	<u>Note:</u> Heavy rains in January 2023 resulted in a culvert and guardrail failure due to the loss of shoulder embankment and another washed out embankment due to water overtopping dike. This project will replace the damaged culvert, restore embankments, reset guardrail, and restore the failed dike.				

## 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.	
47 05-SB-1 16.0 3157 0523000097 1Q910	Near Lompoc, at 1.8 miles south of Santa Rosa Road. Construct revetment to restore slope, shoulder, and lane and reconstruct barrier.  <u>Note:</u> Heavy storms in January and February 2023 led to high stream flows, causing scour erosion in Salsipuedes Creek. This scour led to a slope failure, loss of shoulder, partial loss of guardrail end treatment, and concrete barrier. This project will construct a Rock Slope Protection (RSP) revetment to restore the slope, shoulder, and lane, reconstruct the barrier and end treatment, replace a failed culvert, and apply erosion control.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$1,100 \$20 <u>\$5,100</u> \$6,220	22-23 22-23 22-23 22-23 22-23 22-23 22-23	201.130 Assembly: 37 Senate: 19 Congress: 24  1 Location(s)
48 05-SB-1 Var 3153 0523000093 1Q870	In Santa Barbara County on Routes 1, 101, 135, 166, and 246 at various locations. Repair storm damage, including debris removal, embankment restoration, and repair bridge rail.  <u>Note:</u> A series of heavy storms in January 2023 caused widespread flooding. Storm damage includes failed drainage systems, debris flows, landslides, damaged creek channels, embankment erosion, and a bridge rail hit by an errant vehicle. This project will clear debris, restore embankments, clear or repair impacted drainage systems, and repair damaged bridge rail. 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	\$0 \$0 \$0 \$650 \$20 <u>\$3,000</u> \$3,670	22-23 22-23 22-23 22-23 22-23 22-23 22-23	201.130 Assembly: 37 Senate: 19 Congress: 24  19 Location(s)
49 05-SB-101 R5.3/10.5 3143 0523000072 1Q750	Near the city of Santa Barbara, from South Padaro Lane Undercrossing to East Olive Mill Road Overcrossing. Clear rocks, sediment, and debris from creek beds at bridges and restore shoulder backing.  <u>Note:</u> Heavy storms beginning around January 8, 2023 caused flooding and freeway closures. Rocks, sediment, and other debris accumulated in creek channels and under several bridges along Route 101. This project will clear rock, sediment, and debris from creek beds under bridges and restore shoulder backing where erosion has occurred.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$180 \$10 <u>\$750</u> \$940	22-23 22-23 22-23 22-23 22-23 22-23 22-23	201.130 Assembly: 37 Senate: 21 Congress: 24  5 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.
50 05-SB-101 31.0/67.0 3140 0523000062 1Q670	Near Las Cruces, from 0.9 mile north of Dos Pueblos Creek Undercrossing to 1.8 miles south of Alisos Canyon Road. Repair storm damage, such as clearing debris, restoring drainage systems, and reconstructing embankments.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 37
			R/W Sup	\$0	Senate: 19
			Con Sup	\$1,300	Congress: 24
			R/W Cap	\$20	
			<u>Const Cap</u>	<u>\$5,500</u>	13 Location(s)
			Total	\$6,820	
	<p><u>Note:</u> Storms from the week of January 8, 2023 brought heavy rain and caused damage such as sinkholes caused by failed culverts, debris flows, overwhelmed drainage systems, highway flooding, landslides, creek scour and erosion. This project will repair drainage systems, restore sinkholes, clear rock and debris, clear debris from creeks and bridges, and repair slipouts, washouts, and slides.</p>				
51 05-SB-101 46.5/48.0 3139 0523000061 1Q660	Near Gaviota, from 0.1 mile north of Gaviota Beach Road to 0.8 mile south of Route 1. Clear rocks and debris and replace and repair damaged rockfall systems.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 37
			R/W Sup	\$0	Senate: 21
			Con Sup	\$400	Congress: 24
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$1,700</u>	3 Location(s)
			Total	\$2,100	
	<p><u>Note:</u> Heavy storms beginning around January 8, 2023 caused extensive rockfall damage, covering the roadway with rocks and debris and damaging rockfall systems, requiring a full closure of the highway. This project will replace destroyed rockfall drapery systems, repair damaged rockfall fences, and clear debris from the roadway.</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.
52 05-SB-101 Var 3149 0523000078 1Q830	In Santa Barbara County, on Routes 101, 144, 150, and 192 at various locations. Repair storm damage, including clearing debris deposits, restoring hydraulic capacity in impacted channels, and repair bridge scour damage.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 37, 38
			R/W Sup	\$50	Senate: 21
			Con Sup	\$800	Congress: 24
			R/W Cap	\$50	
			<u>Const Cap</u>	<u>\$3,600</u>	15 Location(s)
			Total	\$4,500	
	<p><u>Note:</u> Heavy storms from early to mid January 2023 caused widespread flooding, resulting in temporary route closures. Storm damage includes overtopping of bridges, flooding, creek scour, debris flows, rock and sediment accumulation in creek channels and under bridges, damaged drainage facilities, slipouts, and landslides. This project will clear debris, including rock and sediment deposits, restore hydraulic capacity at impacted creek structures, restore drainage systems, repair bridge scour damage, repair slipouts, washouts, and landslides, and place erosion control.</p>				
53 05-SB-154 2.0/R31.5 3141 0523000063 1Q680	Near the city of Santa Barbara, from 0.4 mile west of Foxen Canyon Road to Route 192 (Foothill Road); also on Route 246 in Solvang at Alamo Pintado Road (PM 30.3). Repair storm damage, including debris removal, drainage system repair, and roadway restoration.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 37
			R/W Sup	\$0	Senate: 21
			Con Sup	\$1,500	Congress: 24
			R/W Cap	\$50	
			<u>Const Cap</u>	<u>\$7,400</u>	12 Location(s)
			Total	\$8,950	
	<p><u>Note:</u> Storms from early to mid January 2023 caused flooding and storm damage, including roadway slipouts, slides, rockfall, roadway washouts, erosion, creek scour and erosion, debris at bridge supports, debris flows, and damage drainage systems. This project will clear debris, including rock and sediment, clear debris at bridges, repair erosion damage, unclog or repair drainage systems, repair slipouts, washouts, and slides, restore roadway, and place erosion control.</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.
54 05-SCr-9 Var 3158 0523000103 1Q930	In Santa Cruz County, on Routes 9, 17, 35, and 236 at various locations. Clear fallen or hazardous trees, remove debris, and stabilize slopes.  <u>Note:</u> Winter rains and snow in January and February 2023 resulted in trees falling on the roadway and shoulder, posing a risk to the traveling public. This project will clear fallen or hazardous trees, remove debris, and stabilize slopes and apply erosion control measures.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$360 \$0 <u>\$1,200</u> \$1,560	201.130 Assembly: 23, 28 Senate: 13, 15, 17 Congress: 16, 19  15 Location(s)
55 05-SCr-35 3.0 3142 0523000064 1Q690	Near Lexington Hills, at 0.3 mile north of Zayante Road. Install soldier pile wall, restore slope, roadway, and shoulder, and place erosion control.  <u>Note:</u> A series of storms from late December 2022 to January 2023 caused a slip-out that removed a section of roadway shoulder and guardrail. K-rail was placed and one lane was available for traffic with reversing traffic control. This project will install a soldier pile wall to stabilize the roadway, and restore the slope, roadway, and shoulder, and place erosion control.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$50 \$50 \$700 \$20 <u>\$2,750</u> \$3,570	201.130 Assembly: 28 Senate: 15 Congress: 17  1 Location(s)
56 05-SCr-Var  3102 0522000148 1Q080	Near Scotts Valley and Felton, on Routes 1, 9, 17, and 236 at various locations. Repair storm damage, including slope restoration, culvert replacement, roadway reconstruction, and debris removal.  <u>Note:</u> Winter storms in late December 2022 brought heavy rainfall, resulting in debris collecting at bridges, bridge pier scouring, sinkholes at culverts, fallen trees, slide damage, retaining wall damage, washed out highway portions, culverts being filled with debris, and roadway settlement. This project will clear channels of debris, replace retaining wall, repair scour damage, restore culverts, remove trees and slide material, implement rockfall protection, and restore slopes, guardrail, and damaged roadway.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$300 \$50 \$3,920 \$100 <u>\$14,300</u> \$18,670	201.130 Assembly: 28 Senate: 17 Congress: 19  13 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.
57 05-SLO-1 71.8 3138 0523000060 1Q650	Near Ragged Point, at 0.5 mile north of San Carpofo Creek. Install drainage system, remove slide material, and install drapery mesh and erosion control.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 30
			R/W Sup	\$25	Senate: 17
			Con Sup	\$700	Congress: 19
			R/W Cap	\$100	
			<u>Const Cap</u>	<u>\$4,100</u>	1 Location(s)
			Total	\$4,925	
	<u>Note:</u> Heavy rains from December 2022 to early January 2023 led to rockfall onto the highway, followed by a slide which closed the highway on January 4, 2023. A contributing factor was that flow off a private property owner's property contributed to the slide. This project will construct a drainage system to direct flow from the property owner's property away from the failed slope, remove the displaced slide material, install a drapery mesh to stabilize soils, repair roadway damage, and install erosion control.				
58 05-SLO-101  3150 0523000079 1Q840	In San Luis Obispo, at the Caltrans District 5 Office at 50 Higuera Street. Repair electrical systems damaged by basement flood.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 30
			R/W Sup	\$0	Senate: 17
			Con Sup	\$160	Congress: 24
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$400</u>	1 Location(s)
			Total	\$560	
	<u>Note:</u> Storms beginning on January 8, 2023 flooded San Luis Creek adjacent to the District Office, which overtopped its banks and flooded the office complex. Water infiltrated the basement causing extensive damage to electrical service and equipment in the building basement. This project will evaluate and repair or replace all electrical components damaged due to flooding, including building wires, circuit panels and breakers, fuse boxes, sub panels, switches, and transformers.				

## 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.
59 05-SLO-101  3151 0523000080 1Q850	In San Luis Obispo, at the Caltrans District 5 Office at 50 Higuera Street. Repair or replace servers and networking equipment damaged by basement flood.  <u>Note:</u> Storms beginning on January 8, 2023 flooded San Luis Creek adjacent to the District Office, which overtopped its banks and flooded the office complex. Water infiltrated the basement causing extensive damage to the servers and networking equipment in the building basement. This project will evaluate the extent of water damage to servers and associated electrical equipment, and repair or replace all server and networking equipment and restore access to data.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$900 \$0 <u>\$4,036</u> \$4,936	22-23 22-23 201.130 Assembly: 30 Senate: 17 Congress: 24 1 Location(s)
60 05-SLO-101  3154 0523000094 1Q880	In San Luis Obispo, at the Caltrans District 5 Office at 50 Higuera Street. Remove and dispose of drywall, flooring, and furniture damaged by basement flood.  <u>Note:</u> Storms beginning on January 8, 2023 flooded San Luis Creek adjacent to the District Office, which overtopped its banks and flooded the office complex. Water infiltrated the basement causing extensive damage to drywall, potentially including mold damage, and tile and glued carpet flooring, which is known to contain asbestos, a known hazardous material. This project will remove damaged drywall, tile and carpeted flooring, damaged furniture and office supplies, and dry and prepare the building for restoration. Hazardous materials will be removed and disposed.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$300 \$0 <u>\$1,250</u> \$1,550	22-23 22-23 201.130 Assembly: 30 Senate: 17 Congress: 24 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.
61 05-SLO-101  3152 0523000081 1Q860	In San Luis Obispo, at the Caltrans District 5 Office at 50 Higuera Street. Reconstruct flooring, drywall, doors, and HVAC systems damaged by basement flood.  <u>Note:</u> Storms beginning on January 8, 2023 flooded San Luis Creek adjacent to the District Office, which overtopped its banks and flooded the office complex. Water infiltrated the basement causing extensive damage to drywall, doors and frames, floors, and HVAC systems. This project will reconstruct floors, doors and frames, put up new drywall, and repair or replace damaged HVAC systems.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$360 \$0 <u>\$1,800</u> \$2,160	201.130 Assembly: 30 Senate: 17 Congress: 24  1 Location(s)
62 05-SLO-101 56.9 3155 0523000095 1Q890	In Paso Robles, at 13th Street. Upgrade pumps and electrical system.  <u>Note:</u> On January 9, 2023, heavy winter storms flooded the freeway at 13th Street. On January 10, the pumps responsible for conveying water from the freeway were failing due to continually tripping circuit breakers during operation. Engineers adjusted circuit breaker systems to allow the pumps to continue running, but it was found that motors were running far in excess of their design amperage to continue pumping water, shortening their lives, and increasing the chance they will catastrophically fail or cause a fire hazard. This project will replace the existing pumps with higher capacity pumps and upgrade electrical systems to allow the pumps to run safely.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$450 \$20 <u>\$1,300</u> \$1,770	201.130 Assembly: 30 Senate: 17 Congress: 19  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.
63 05-SLO-Var  3148 0523000077 1Q820	In San Luis Obispo County, on routes 1, 41, 58, 101, and 229 at various locations. Repair storm damage, including clearing debris, repairing damaged drainage systems, and restoring roadway damage.  <u>Note:</u> Heavy storms from early to mid-January 2023 caused damages on various routes, causing roadway slipouts, landslides, roadway washouts, erosion, creek scour, debris accumulations at bridges, debris flows, damaged drainage systems, and roadway damage. This project will repair slipouts, clear debris, place Rock Slope Protection (RSP), repair damaged drainage systems, repair pavement and dikes, place erosion control, and restore roadways.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$650 \$25 <u>\$3,300</u> \$3,975	201.130 Assembly: 30 Senate: 17 Congress: 19, 24  15 Location(s)
64 06-Fre-168 49.0/52.0 8034 0623000140 1F670	Near Shaver Lake, from 0.7 mile west to 2.3 miles east of Huntington Lake Road. Repair pavement and drainage systems, and install erosion control.  <u>Note:</u> The intense winter storms that occurred from December 2022 to January 2023 caused settling and cracking of the roadway. The heavy rain also caused damage to the existing culverts. For the safety of traveling public, the roadway is under one-way traffic control. This project will repair pavement and drainage systems, 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 \$0 \$200 \$0 <u>\$750</u> \$950	201.130 Assembly: 8 Senate: 12 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.
65 06-Fre-198 0.0/21.6 8033 0623000139 1F660	Near Coalinga, from Monterey County line to 0.1 mile west of Lucille Street. Repair slopes, pavement, and drainage systems, and install erosion control.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 27
			R/W Sup	\$0	Senate: 14
			Con Sup	\$500	Congress: 13
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$2,200</u>	4 Location(s)
			Total	\$2,700	
	<u>Note:</u> During the intense winter storms that occurred from December 2022 to January 2023, landslides and massive runoffs have eroded the entire roadway and slopes at various locations along the route. Impacts from large boulders have also damaged the pavement. The heavy rain also caused damage to the existing culverts. For the safety of traveling public, the roadway is currently closed. This project will repair slopes, pavement, and drainage systems, and install erosion control.				
66 06-Ker-58 0.0/6.0 8041 0623000180 1G020	Near McKittrick, from San Luis Obispo County line to 3.4 miles west of Reward Road. Remove debris and hazard trees, stabilize slope, place erosion control, and repair pavement.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 32, 35
			R/W Sup	\$2	Senate: 12
			Con Sup	\$200	Congress: 20, 22
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$600</u>	9 Location(s)
			Total	\$802	
	<u>Note:</u> Due to intense rainfall event of February 2023, the massive runoff eroded slopes at various locations in the region. The landslides covered the roadway with mud and debris and damaged the pavement. For the safety of the traveling public, slopes need to be stabilized. This project will remove debris and hazard trees, stabilize slope, place erosion control, and repair pavement.				

## 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.
67 06-Tul-190 39.0/47.0 8035 0623000144 1F690	Near Springville and Camp Nelson, from 0.4 mile west of Flume Overcrossing to McComber Drive. Remove boulders, repair slopes, pavement, and drainage systems, and install erosion control.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 32
			R/W Sup	\$0	Senate: 12
			Con Sup	\$700	Congress: 20
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$5,750</u>	38 Location(s)
			Total	\$6,450	
	<u>Note:</u> During the intense winter storms of January 2023, landslides and massive runoffs have eroded the entire roadway and slopes at various locations along the route. Impacts from large boulders have also damaged the pavement. The heavy rain also caused damage to the existing culverts. For the safety of traveling public, the roadway is currently closed. This project will remove large boulders from the roadway, repair slopes, pavement, and drainage systems, and install erosion control.				
68 06-Tul-198 14.7 8038 0623000158 1F720	Near Visalia, at Farmsville Road Overcrossing No. 46-0217. Repair damaged bridge girders.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 33
			R/W Sup	\$0	Senate: 16
			Con Sup	\$400	Congress: 21
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$2,000</u>	1 Location(s)
			Total	\$2,400	
	<u>Note:</u> On January 31, 2023, a high load hit the bridge in the westbound direction. The hit damaged three girders with substantial damage to Girder 1. For the safety of the traveling public, the local roadway on the bridge had to be fully closed and traffic had to be detoured. This project will repair the damaged bridge girders. Abatement will be sought if the responsible party can be determined.				

## 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.
69 07-LA-1 40.1/40.6 6007 0723000090 2XE00	In Malibu, from Coastline Drive to 0.2 mile south of Route 27 (Topanga Canyon Boulevard). Repair storm damage, including slope reconstruction, drainage system repair, and pavement repair.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 42
			R/W Sup	\$100	Senate: 24
			Con Sup	\$1,400	Congress: 32
			R/W Cap	\$100	
			<u>Const Cap</u>	<u>\$14,000</u>	1 Location(s)
			Total	\$15,600	
	<u>Note:</u> Winter storms from January 2 - 10, 2023 resulted in high surf and rain that eroded slopes and threatened shoulders and lanes on the roadway adjacent to the beach. Without action, erosion will extend into the traveled way and shut down southbound lanes. This project will stabilize and reconstruct the side slope using native material, place geofabric and Rock Slope Protection (RSP), reconstruct damaged drainage systems, and repair pavement and dike damage. Abatement will be sought against Los Angeles County for a lack of mitigation efforts.				
70 07-LA-2 46.4 5967 0722000209 38730	Near Three Points, at 1.1 mile west of Charlton Flats. Restore and stabilize slope.	24-25	PA&ED	\$991	201.131
			PS&E	\$1,443	Assembly: 41
			R/W Sup	\$15	Senate: 25
			Con Sup	\$1,612	Congress: 28
			R/W Cap	\$3	
			<u>Const Cap</u>	<u>\$10,230</u>	1 Location(s)
			Total	\$14,294	
	Concurrent COS allocation under Resolution FP-22-70; May 2023.				
71 07-LA-2 Var 6067 0723000135 2XG10	In Los Angeles County, on Routes 2, 5, 101, 110, 118, 126, 134, 170, and 210 at various locations. Remove hazardous trees.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 40, 42, 43,
			R/W Sup	\$0	44, 49, 51, 52, 54
			Con Sup	\$115	Senate: 20, 24, 25, 26,
			R/W Cap	\$0	27
			<u>Const Cap</u>	<u>\$460</u>	Congress: 27, 28, 29,
			Total	\$575	30, 32, 34
	<u>Note:</u> Winter storms in January and February 2023 brought heavy rains, which led to multiple trees to fall or potentially endanger the traveling public. This project will cut down and haul away hazardous trees.				
					16 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.
72 07-LA-5 20.7/21.5 6005 0723000087 2XC80	In the city of Los Angeles, near Elysian Park, from the Los Angeles River to 0.3 mile south of Stadium Way connection. Repair storm damage, including debris removal, restoration of eroded slopes, and repair rockfall fences.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 52
			R/W Sup	\$0	Senate: 26
			Con Sup	\$480	Congress: 30
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$1,935</u>	2 Location(s)
			Total	\$2,415	
	<p><u>Note:</u> A series of winter storms from January 2 - 9, 2023 washed out slopes, damaged rockfall fences, and left mud, rocks, and debris on the roadway and behind fences. This project will remove mud and debris from the roadway and from behind rockfall fences, restore and stabilize eroded slopes, scale rocks to prevent future falls, repair rockfall fences, and repair damaged and place new slope drapery systems.</p>				
73 07-LA-23 1.1/8.4 6013 0723000098 2XE60	In and near Westlake Village, from 1.1 miles north of Route 1 to the Ventura County line; also in Ventura County in Thousand Oaks, from the Los Angeles County line to Route 101 (PM 0.0/R3.3). Repair storm damage, including restoring slopes, drainage systems, and cable net protection system.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 42
			R/W Sup	\$100	Senate: 24, 27
			Con Sup	\$840	Congress: 26, 32
			R/W Cap	\$100	
			<u>Const Cap</u>	<u>\$2,760</u>	6 Location(s)
			Total	\$3,800	
	<p><u>Note:</u> A series of storms from January 2 - 16, 2023 brought heavy rains which washed out slopes, damaged the cable net slope protection system, caused rock and mud slides, damaged drainage systems, eroded curbs and gutters, and buried roadside signs and markers. This project will remove debris, restore damaged slopes, perform rock scaling, repair the damaged cable net slope protection system, clean or repair drainage systems, repair curbs and gutters, and reinstall signs and markers.</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.	
74 07-LA-39 18.9/35.5 6064 0723000129 2XF80	Near Falling Springs, from 0.3 mile south of Morris Dam Road to 0.5 mile north of Falling Springs Road. Perform rock scaling, clear debris, and construct slope drapery protection systems.  <u>Note:</u> Storms in January and February 2023 brought heavy rains, eroding side slopes and loosening rocks which fell to the roadway. This project will perform rock scaling, dispose of debris, construct slope drapery protection systems, repair washed out slopes with geogrid, and repair a damaged retaining wall.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$100 \$1,215 \$100 <u>\$8,485</u> \$9,900	22-23 22-23 22-23 22-23 22-23 22-23 22-23	201.130 Assembly: 41 Senate: 22, 25 Congress: 28, 31  9 Location(s)
75 07-LA-71 R1.6 6016 0723000103 2XE90	In Pomona, at Valley Boulevard. Repair damaged pavement and replace striping and markings.  <u>Note:</u> Rain from storms from January 9 - 14, 2023 infiltrated cracks in pavement, causing severe deterioration and potholes under heavy traffic. Maintenance attempted to patch pavement with cold mix asphalt, but deterioration is happening at an unsustainable rate and needs to be addressed immediately. This project will provide traffic control, remove and replace damaged pavement, and replace delineation and pavement markings.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$275 \$0 <u>\$825</u> \$1,100	22-23 22-23 22-23 22-23 22-23 22-23 22-23	201.130 Assembly: 53 Senate: 22 Congress: 35  2 Location(s)
76 07-LA-118 R1.1 6009 0723000089 2XE20	Near Chatsworth, at Iverson Road. Repair sinkhole and replace failed culvert.  <u>Note:</u> Heavy rains from January 2 - 10 resulted in a sinkhole developing on Iverson Road when a 60-inch Corrugated Metal Pipe (CMP) belonging to the Department failed underneath the pavement, and the heavy run-off washed away the fill material under the local road. This project is necessary to remove the existing CMP and replace it with a Reinforced Concrete Pipe (RCP), fill the void, reconstruct the pavement, and replace the adjacent curb and gutter.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$860 \$0 <u>\$3,440</u> \$4,300	22-23 22-23 22-23 22-23 22-23 22-23 22-23	201.130 Assembly: 40 Senate: 27 Congress: 32  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.
77 07-LA-210 R15.4 6060 0723000124 2XF40	In the city of Los Angeles, near the neighborhood of Crescenta Highlands at 0.2 mile west of Lowell Avenue. Repair damaged drainage system, fill sinkhole void, and restore shoulder and slope.	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>\$520</u> \$700	22-23 22-23 201.130 Assembly: 44 Senate: 20 Congress: 30 1 Location(s)
<u>Note:</u> Heavy rains from February 22 - 25, 2023 resulted in a sinkhole developing on the shoulder due to a disconnected culvert. This project will remove and replace the damaged culvert, repair the surrounding drainage system, line the culvert crossing the freeway, and fill the void created by the sinkhole and repair the slope and shoulder.					
78 07-LA-405 16.6/19.7 6056 0723000105 2XF00	In Torrance, Lawndale, Redondo Beach, and Hawthorne, from Route 91 (Artesia Boulevard) to 135th Street. Repair damaged bridge abutment slopes and fill voids caused by erosion.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$220 \$0 <u>\$560</u> \$780	22-23 22-23 201.130 Assembly: 61, 66 Senate: 24, 35 Congress: 43 7 Location(s)
<u>Note:</u> A series of storms from January 2 - 15, 2023 brought heavy rains that washed out bridge abutment slopes, causing erosion gullies and voids at abutments. This project will repair damaged abutment slopes and fill voids caused by erosion.					
79 07-Ven-23 18.2/R24.1 6014 0723000099 2XE70	In and near Fillmore, from 0.1 mile south of Waynes Way to River Street. Repair storm damage, including destabilized tree removal, debris removal, and drainage system repairs.	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>\$1,450</u> \$1,900	22-23 22-23 201.130 Assembly: 38 Senate: 21 Congress: 26 10 Location(s)
<u>Note:</u> Storms from January 2 - 16, 2023 brought heavy rain, resulting in washed out slopes, destabilized roadside eucalyptus trees, rock and mud slides, failed drainage systems, mud and debris in ditches and drainage systems, and buried and damaged roadside markers and signs. This project will remove mud and debris from the roadway, remove destabilized trees, restore slopes, clean out drainage systems and ditches, repair failed drainage systems, and repair signs and markers.					

## 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.
80 07-Ven-33 T5.7/11.2 6061 0723000125 2XF50	Near Ojai, from 0.1 mile north of Casitas Vista Road to Route 150. Remove debris, clean out culverts, and perform rock scaling.  <u>Note:</u> A series of storms from January 2 - 9, 2023 brought heavy rain, causing rock and mud slides, plugged drainage systems, and loosened rocks on hillsides. This project will remove mud and debris from the roadway, clean out plugged drainage systems, and perform rock scaling.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$100 \$900 \$100 <u>\$3,000</u> \$4,100	201.130 Assembly: 38 Senate: 19 Congress: 24 14 Location(s)
81 07-Ven-33 12.6/16.5 6003 0723000084 2XC60	In and near Camarillo, from 0.1 mile south of Dawson Drive to 0.3 mile north of Bell Ranch Road. Repair storm damage, including debris removal, restoration of roadway and slopes, and cleaning out drainage systems.  <u>Note:</u> A series of winter storms from January 2 - 9, 2023 washed out slopes and a portion of a lane, caused rock and mud slides, led to accumulations of mud on roadways, damaged drainage systems, and covered and damaged roadside markers and signs. This project will remove mud and debris from the roadway, restore eroded slopes and roadway, clean out drainage systems and basins, and reinstall signs and markers.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$50 \$300 \$50 <u>\$1,000</u> \$1,400	201.130 Assembly: 38, 42 Senate: 21 Congress: 26 1 Location(s)
82 07-Ven-33 24.3/27.3 6062 0723000126 2XF60	Near Wheeler Springs, from 1.5 miles south to 1.5 mile north of Rose Valley Road. Construct a soldier pile retaining wall, restore drainage systems, and repair damaged dike and guardrail.  <u>Note:</u> Winter storms from January 2 - 9, 2023 eroded slopes and shoulders, damaged dikes and guardrail, caused debris flows, damaged drainage systems, and caused sinkholes. This project will restore eroded slopes and shoulders, repair dikes and guardrail, repair or clean damaged drainage systems and sinkholes, and construct a soldier pile retaining wall to stabilize eroded slope.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$100 \$1,870 \$100 <u>\$18,630</u> \$20,700	201.130 Assembly: 38 Senate: 19 Congress: 26 13 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.
83 07-Ven-126 R9.8/R24.6 6008 0723000091 2XE10	In and near Santa Paula and Fillmore, from 0.2 mile west of Todd Lane to 0.5 mile west of Cavin Road. Repair storm damage, including debris removal, restoration of slopes, and repairing drainage systems.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$1,250 \$0 <u>\$6,500</u> \$7,750	201.130 Assembly: 38 Senate: 21 Congress: 26 7 Location(s)
<u>Note:</u> Winter storms from January 2 - 14, 2023 have resulted in multiple slope washouts, mudslides, and clogged drainage systems and ditches. This project will clear debris, clean and repair clogged drainage systems, clean ditches, and restore slopes.					
84 07-Ven-150 0.0/20.0 6011 0723000093 2XE40	In and near Ojai, from Santa Barbara County line to 0.1 mile east of Reeves Road. Remove mud and debris, restore drainage systems, repair damaged roadway, and reconstruct guardrail.	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>\$2,450</u> \$3,150	201.130 Assembly: 38 Senate: 21 Congress: 24 15 Location(s)
<u>Note:</u> A series of storms from January 2 - 9, 2023 washed out slopes, damaged multiple locations of asphalt concrete (AC) dike and shoulder, damaged guardrail, deposited rocks and mud, damaged drainage systems, piled debris against bridges, and damaged roadside markers and signs. This project will remove mud and debris from the roadway, restore and place erosion control on slopes, repair shoulder and AC dike, clean out drainage systems and debris against bridges, reinstall signs and markers, and reconstruct guardrail.					

## 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.
85 07-Ven-150 25.8/31.0 6012 0723000094 2XE50	Near Santa Paula, from 0.3 mile west of Koenigstein Road to 0.4 mile west of Bridge Road. Repair storm damage, including debris removal, slope drapery protection system repairs, and restoring drainage systems.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$900 \$0 <u>\$3,000</u> \$3,900	201.130 Assembly: 38 Senate: 21 Congress: 26 15 Location(s)
<p><u>Note:</u> A series of storms from January 2 - 9, 2023 brought heavy rains that eroded slopes and caused damage, including washed out slopes, a damaged slope drapery protection system, washed out slopes at guardrail, caused rock and mud slides, damaged drainage systems, damaged highway shoulders and dikes, and buried roadside markers and signs. This project will remove mud and debris, rebuild eroded slopes, repair the slope drapery protection system, repair the damaged shoulder and dikes, clean out or replace drainage systems, and reinstall signs and markers.</p>					
86 08-Riv-74 R47.1/53.5 3020X 0823000068 1N940	Near Valle Vista, from 0.1 mile west of Willowbrook Road to Strawberry Creek. Repair storm damage, including drainage system repair, repair slopes, and rock scaling.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$50 \$630 \$100 <u>\$2,650</u> \$3,430	201.130 Assembly: 47 Senate: 19 Congress: 25 3 Location(s)
<p><u>Note:</u> Winter storms from January 1 - 29, 2023 have caused flooding and debris flows, which undercut roadway embankments, destabilized culvert headwalls and wingwalls, damaged guardrail, and loosened boulders which can fall onto the roadway. This project will repair drainage systems, install Rock Slope Protection (RSP), repair safety systems, and perform rock scaling.</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.
87 08-SBd-18 R11.3/19.1 3020W 0823000067 1N930	Near the city of San Bernardino, from 0.1 mile north of Cloudland Forest Road to 1.4 miles south of Crest Forest Drive. Install cable mesh drapery, replace damaged rockfall fence, repair rockfall barrier, and perform rock scaling.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 34
			R/W Sup	\$10	Senate: 19
			Con Sup	\$1,200	Congress: 23
			R/W Cap	\$10	
			<u>Const Cap</u>	<u>\$2,990</u>	6 Location(s)
			Total	\$4,210	
	<p><u>Note:</u> On January 11, 2023, Department maintenance crews observed rockfalls, with boulders up to 3 feet in diameter, blocking a southbound lane. Rainstorms in early January 2023 have deteriorated the slope to the point where State forces can't repair the damage. This project will install a cable mesh drapery on the slope, replace the damaged rockfall fence, repair the rockfall barrier, and perform rock scaling at multiple locations.</p>				
88 08-SBd-330 39.3 3020V 0823000066 1N920	Near Running Springs, at 2.5 miles south of Live Oak Drive. Backfill sinkhole and void, and replace damaged 24" culvert with two 36" culverts.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 34
			R/W Sup	\$10	Senate: 19
			Con Sup	\$750	Congress: 23
			R/W Cap	\$10	
			<u>Const Cap</u>	<u>\$2,490</u>	1 Location(s)
			Total	\$3,260	
	<p><u>Note:</u> On November 21, 2022, Department maintenance crews discovered a sinkhole between the culvert inlet and the slope. Geotechnical staff verified that the void beneath the hole is 3.5 feet in diameter and 15 feet long, and caused by perforations along 90 percent of the culvert. Conditions deteriorated during rainstorms in early January 2023, to a point that State forces were unable to repair the damage. This project will backfill the sinkhole and void, and remove and replace the damaged 24" culvert with two 36" corrugated metal pipe culverts.</p>				
89 09-Mno-395 52.0/R54.0 2707 0923000035 39830	Near Lee Vining, from 0.1 mile north of Visitor Center Road to 1.7 mile south of Cemetary Road. Clear avalanche debris and repair damaged roadway features and slope stabilization systems.	22-23	PA&ED	\$0	201.130
			PS&E	\$0	Assembly: 8
			R/W Sup	\$0	Senate: 4
			Con Sup	\$101	Congress: 3
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$1,000</u>	1 Location(s)
			Total	\$1,101	

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.
90 10-Ama-88 Var 3583 1023000138 1R380	In Amador, Calaveras, and San Joaquin Counties, on Routes 26, 49, and 88 at various locations. Remove debris, stabilize slopes, place rock slope protection, repair drainage systems, and install permanent erosion control.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$50 \$0 \$50 \$200 \$0 <u>\$1,500</u> \$1,800	22-23 22-23 22-23 22-23	201.130 Assembly: 1, 8, 9 Senate: 4, 5 Congress: 5, 9  11 Location(s)
	<u>Note:</u> On January 16, 2023, high intensity rainstorms passed through the mountainous regions. The heavy runoff eroded the embankment slopes and overwhelmed the drainage systems with debris and flows exceeding their capacities. To ensure safety of traveling public, the shoulders were closed. This project will remove debris, stabilize slopes, place rock slope protection, repair drainage systems, and install permanent erosion control.					
91 10-SJ-5 26.5/26.9 3580 1023000135 1R360	In Stockton, at Stockton Channel Viaduct No. 29-0176R/L. Repair spalled pavement on bridge decks and approach slabs.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$20 \$50 \$0 \$500 \$0 <u>\$3,500</u> \$4,070	22-23 22-23 22-23 22-23	201.130 Assembly: 13 Senate: 5 Congress: 9  2 Location(s)
	<u>Note:</u> On January 16, 2023, a high intensity rainstorm passed through the region. The heavy runoff entered cracks in the bridge deck, accelerating the deterioration of the previous concrete spall repairs in number 3 and 4 lanes in both directions. For the safety of traveling public, the potholes and approach slabs need to be repaired. This project will remove loose material from the bridge deck, and place rapid setting concrete and methacrylate to repair bridge deck and approach slabs.					

## 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.
92 10-SJ-580 11.5 3582 1023000139 1R390	Near Tracy, at West Valpico Overhead No. 29-0083R (PM 11.5) and East Midway Overhead No. 29-0082R (PM 12.7); also on Route 5 at Anderson Street Undercrossing No. 29-0229 (PM 25.6). Repair spalled pavement on bridge decks and approach slabs.	22-23	PA&ED	\$20	22-23
			PS&E	\$20	22-23
			R/W Sup	\$0	
			Con Sup	\$75	22-23
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$500</u>	22-23
			Total	\$615	3 Location(s)

Note: On January 25, a large spall on westbound 580 was reported. The spall was a significant hole in the surface of the bridge structure. During inspections, additional damage was found on two other bridges. The water from recent storms seeping into the cracks contributed to the failure of bridge decks and approach slabs. For the safety of traveling public, lanes and onramps had to be closed. This project will repair spalled pavement on bridge decks and approach slabs.

93 10-Sta-5 Var 3581 1023000134 1R350	In Stanislaus and San Joaquin Counties, on Routes 5, 120, and 580 at various locations. Remove debris, stabilize slopes, place rock slope protection, repair drainage systems and pavement, and install permanent erosion control.	22-23	PA&ED	\$20	22-23
			PS&E	\$20	22-23
			R/W Sup	\$0	
			Con Sup	\$225	22-23
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$1,500</u>	22-23
			Total	\$1,765	4 Location(s)

Note: On January 16, 2023, a high intensity rainstorm passed through the San Joaquin Valley. The heavy runoff overwhelmed the drainage systems, severely eroded already saturated embankment slopes, and undermined paved shoulders. To ensure safety of traveling public, the undermined shoulders were closed. This project will remove debris, stabilize slopes, place rock slope protection, repair drainage systems and pavement, and install permanent 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.
94 10-Tuo-120 48.7/49.5 3576 1023000121 1R240	Near Groveland, from 1.4 miles east to 2.2 miles east of Cherry Lake Road. Remove debris, repair embankment slopes, pavement and drainage systems.	22-23	PA&ED	\$20	22-23
			PS&E	\$0	
			R/W Sup	\$0	
			Con Sup	\$80	22-23
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$600</u>	22-23
			Total	\$700	1 Location(s)
	<u>Note:</u> During the severe winter storms of December 2022 and January 2023, the excessive rainfall eroded embankment slopes, undermined shoulders, and clogged the culverts. For the safety of traveling public, the lane adjacent to undermined shoulder was closed. This project will remove debris, repair embankment slopes, pavement and drainage systems.				
95 11-SD-5 R68.8/R70.6 1495 1123000152 43176	Near San Clemente, from 2.6 miles south to 0.8 mile south of Basilone Road. Lead contamination mitigation. The project will utilize the Emergency Limited Bid (ELB) contract method.	22-23	PA&ED	\$0	201.131
			PS&E	\$0	Assembly: 74
			R/W Sup	\$0	Senate: 36
			Con Sup	\$750	22-23
			R/W Cap	\$0	Congress: 49
			<u>Const Cap</u>	<u>\$3,000</u>	22-23
			Total	\$3,750	1 Location(s)
	PA&ED: N/A R/W: N/A RTL: 3/1/2023 BC: 6/5/2023				
	Concurrent CONST and CON ENG allocation under Resolution FP-22-85; May 2023.				
96 12-Ora-91 15.6 4662A 1223000084 0U410	In Anaheim, on the eastbound Route 91 to Route 241 Connector. Repair Mechanically Stabilized Earth (MSE) wall and construct concrete barrier.	22-23	PA&ED	\$5	22-23
			PS&E	\$10	22-23
			R/W Sup	\$0	
			Con Sup	\$150	22-23
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$412</u>	22-23
			Total	\$577	1 Location(s)
	<u>Note:</u> On November 16, 2022, a vehicle damaged a segment of a Mechanically Stabilized Earth (MSE) wall panel and guardrail at the location. The vibration from vehicle traffic above the wall is causing additional damage and embankment failure. If unaddressed, these vibrations will cause raveling of the broken concrete and destabilization of the soil behind the panels. This project will replace the MSE wall panels and construct a concrete barrier at the face of the MSE wall. Abatement is being sought from the responsible party.				

## 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					
97 01-DN-101 18.4/19.3 1156 0122000105 0M120	Near Crescent City, from 1.9 miles south to 1.0 mile south of Mill Creek Campground Road. Improve roadway cross slope, widen shoulders, install guardrail, and place High Friction Surface Treatment.  PA&ED: 5/19/2025 R/W: 6/10/2026 RTL: 7/15/2026 BC: 12/1/2026  Concurrent COS allocation under Resolution FP-22-70; May 2023.	26-27	PA&ED PS&E R/W Sup * Con Sup * R/W Cap * Const Cap Total	\$1,380 \$1,167 \$168 \$1,495 \$3 \$6,008 \$10,221	22-23 24-25 24-25 26-27 26-27 26-27 20 Collision(s) reduced
* Phase not authorized					
98 05-SCr-152 T2.5/0.7 3105 0522000174 1Q150	In Watsonville, from Freedom Boulevard to Beck Street. Construct bulbouts and high visibility crosswalks and upgrade a pedestrian beacon.  PA&ED: 7/1/2025 R/W: 6/30/2026 RTL: 6/30/2026 BC: 12/23/2026  Concurrent COS allocation under Resolution FP-22-70; May 2023.	25-26	PA&ED PS&E R/W Sup Con Sup R/W Cap Const Cap Total	\$1,926 \$1,896 \$46 \$1,578 \$62 \$4,618 \$10,126	22-23 25-26 25-26 25-26 25-26 25-26 52 Collision(s) reduced
99 12-Ora-5 36.7 2860Z 1221000045 0S840	In Anaheim, at the intersection of Anaheim Boulevard and Anaheim Way. Upgrade signal and lighting, reconfigure right-turn movement onto the northbound Route 5 onramp, and upgrade facilities to Americans with Disabilities Act (ADA) standards.  PA&ED: 2/15/2024 R/W: 1/15/2025 RTL: 2/12/2025 BC: 9/17/2025  Concurrent COS allocation under Resolution FP-22-70; May 2023.	24-25	PA&ED PS&E R/W Sup Con Sup R/W Cap Const Cap Total	\$313 \$476 \$0 \$395 \$0 \$876 \$2,060	22-23 23-24 24-25 24-25 24-25 24-25 16 Collision(s) reduced

## 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 05-Mon-1 60.0 3164 0522000177 1Q160	Near Notleys Landing at Rocky Creek Bridge No. 44-0036. Preserve bridge by conducting Electrochemical Chloride Extraction (ECE), clean and paint structural steel, and repair spalls on substructure.	24-25	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,600 \$500 \$50 \$4,600 \$60 <u>\$23,259</u> \$30,069	22-23 24-25 24-25 24-25 24-25 24-25 24-25
	PA&ED: 8/22/2024				201.110
	R/W: 10/21/2024				Assembly: 30
	RTL: 11/14/2024				Senate: 17
	BC: 7/15/2025				Congress: 19
	Concurrent COS allocation under Resolution FP-22-70; May 2023.				

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	13,702.0	0.0	13,702.0
Post Condition	Square feet	0.0	13,702.0	0.0	13,702.0

## 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 01-DN-101 <del>R3.9/23.6</del> <b>R2.6/23.8</b> 1129 0118000190 0J210	Near Klamath and Crescent City, from <b>1.4 miles</b> south of Klamath River Bridge to <b>0.1 mile</b> south of Humboldt Road/Enderts Beach Road. Rehabilitate pavement and upgrade signs, guardrail, and Transportation Management System (TMS) elements.	24-25 201.121	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,231 \$1,121 \$35 \$2,900 \$52 <u>\$37,221</u> \$42,560	Prior 22-23 22-23 24-25 24-25 24-25 24-25	\$1,231 \$1,121 \$35 \$2,900 \$52 <u>\$37,221</u> \$42,560	Prior 22-23 22-23 24-25 24-25 24-25 24-25																								
<u>Performance Measure</u>																															
<del>45.2 Lane mile(s)</del>																															
<b>50.1 Lane mile(s)</b>																															
Concurrent COS allocation under Resolution FP-22-70; May 2023.																															
<u>Note:</u> Change postmiles so that the project limits align with previous overlay projects in the area and provide full coverage for pavement rehabilitation. This change will also change the description and performance of the project. Cost change will be requested in the future.																															
<table><tr><td colspan="6">Performance Measure: Pavement</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>Lane mile(s)</td><td>0.0</td><td>50.1</td><td>0.0</td><td>50.1</td></tr><tr><td>Post Condition</td><td>Lane mile(s)</td><td>50.1</td><td>0.0</td><td>0.0</td><td>50.1</td></tr></table>								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	50.1	0.0	50.1	Post Condition	Lane mile(s)	50.1	0.0	0.0	50.1
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	50.1	0.0	50.1																										
Post Condition	Lane mile(s)	50.1	0.0	0.0	50.1																										

2 01-Men-1 51.3/52.1 4682M 0123000046 43485	Near the Mendocino community, at Jack Peters Creek Bridge No. 10-0150 (PM 51.87). Onsite and offsite environmental mitigation, revegetation, plant establishment, and monitoring work for bridge rail upgrade project EA 43484.	25-26 201.112	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$979 \$0 <u>\$461</u> \$1,440	25-26 25-26
<u>Performance Measure</u>					
<b>0.0 Linear feet</b>					

Note: Split onsite and offsite environmental mitigation, revegetation, plant establishment, and monitoring work into project EA 43485/PPNO 01-4682M from parent project EA 43484/PPNO 01-4682.

## 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-1 <del>51.8</del> <b>51.3/52.1</b> 4682 0117000133 43484	Near the Mendocino community, at Jack Peters Creek Bridge No. 10-0150 (PM 51.87). Bridge rail upgrade and widening.  <u>Performance Measure</u> <del>526.0 Linear feet</del> <b>563.0 Linear feet</b>	21-22 201.112	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$425 \$1,935 \$260 <del>\$4,000</del> \$385 <del>\$13,250</del> \$20,255	Prior Prior Prior 21-22 21-22 21-22 21-22	\$425 \$1,935 \$260 <b>\$3,021</b> \$385 <b>\$12,789</b> <b>\$18,815</b>	Prior Prior Prior 21-22 21-22 21-22 21-22

Note: Split onsite and offsite environmental mitigation, revegetation, plant establishment, and monitoring work into project EA 43485/PPNO 01-4682M from parent project EA 43484/PPNO 01-4682. Update postmiles to better reflect the project limits. Update performance as the new barrier rail will be longer than the existing barrier rail.

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	0.0	0.0	526.0	526.0
Post Condition	Linear feet rail	563.0	0.0	0.0	563.0

4 02-Las-139 0.7/11 3718 0218000074 4H070	Near Susanville, from north of Chestnut Street to 2.7 miles south of Horse Lake Road. Rehabilitate pavement, upgrade guardrail and concrete barrier, pave Maintenance Vehicle Pullouts (MVPs) and chain area, rehabilitate drainage systems, upgrade facilities to meet Americans with Disabilities Act (ADA) standards and widen shoulders from PM 0.7 to PM 1.9 to provide multi-modal connectivity as complete streets elements.	23-24 201.121	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,120 \$1,180 \$60 <del>\$1,193</del> <del>\$129</del> <del>\$13,040</del> \$16,722	Prior Prior Prior 23-24 23-24 23-24 23-24	\$1,120 \$1,180 \$60 <b>\$1,213</b> <b>\$139</b> <b>\$13,240</b> <b>\$16,952</b>	Prior Prior Prior 23-24 23-24 23-24 23-24
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Performance Measure  
20.5 Lane mile(s)

Note: Increase construction support, R/W capital, and construction capital due to the addition of scope to up-size four 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	12.7	7.8	20.5
Post Condition	Lane mile(s)	20.5	0.0	0.0	20.5

## 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 02-Mod-395 R17.5/34 3758 0219000139 0J590	In and near Alturas, from 1.0 mile north of South Fork Pit River Bridge to south of County Road 118; also on Route 299, from Spruce Street to Route 395 (PM 40.4/40.6). Rehabilitate pavement, upgrade guardrails and drainage systems, and upgrade curb ramps 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	\$1,670 <del>\$1,080</del> \$1,100 <del>\$2,330</del> \$203 <del>\$20,330</del> \$26,713	Prior 24-25 24-25 25-26 25-26 25-26 25-26	\$1,670 <b>\$1,100</b> \$1,100 <b>\$2,350</b> \$203 <b>\$20,570</b> <b>\$26,993</b>	Prior 24-25 24-25 25-26 25-26 25-26 25-26

Performance Measure

33.8 Lane mile(s)

Note: Additional PS&E support, construction support, and construction capital are needed to install rapid flashing beacons at two locations in the City of Alturas. 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	33.8	0.0	33.8
Post Condition	Lane mile(s)	33.8	0.0	0.0	33.8

6 02-Plu-36 9.2/18.4 3722 0218000073 4H060	Near Chester, from Melissa Avenue to Lassen County line; also in Lassen County from Plumas County line to 2.4 miles east of Road A21/Mooney Road (PM 0.0/6.1). Rehabilitate pavement, upgrade signs and Transportation Management System (TMS) elements, 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	\$1,960 \$2,160 \$590 \$2,590 <del>\$489</del> <del>\$25,370</del> \$33,153	Prior Prior Prior 23-24 23-24 23-24	\$1,960 \$2,160 \$590 \$2,590 <b>\$193</b> <b>\$29,140</b> <b>\$36,633</b>	Prior Prior Prior 23-24 23-24 23-24
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Performance Measure

31.5 Lane mile(s)

Note: The pavement repair strategy for the majority of the project was changed to full structural section rehabilitation to accommodate changes in vertical profile, cross-slopes at horizontal curves, and to avoid extensive sliver fills. A stress absorbing membrane and 4-foot wide soft median was also added to the scope. This resulted in increase in construction capital. Decrease in R/W capital is due to reduced amount of tree clearing and easements needed.

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	28.1	3.4	31.5
Post Condition	Lane mile(s)	31.5	0.0	0.0	31.5

## 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 02-Plu-89 12.9/20.0 3714 0218000070 4H030	Near Greenville, from 1.4 miles north of Indian Falls Road to south of Hot Springs Road; also from Mill Street to 0.4 mile north of Mill Street (PM 20.6/21.0). Rehabilitate pavement, upgrade guardrail, replace Transportation Management System (TMS) elements and signs, rehabilitate drainage systems, and construct a Maintenance Vehicle Pullout (MVP).	23-24 201.121	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$670 \$850 \$460 \$1,120 <del>\$343</del> <del>\$9,356</del> \$12,793	Prior Prior Prior 23-24 23-24 23-24	\$670 \$850 \$460 \$1,120 <b>\$363</b> <b>\$9,410</b> <b>\$12,873</b>	Prior Prior Prior 23-24 23-24 23-24

Performance Measure

16.4 Lane mile(s)

Note: Additional R/W capital and construction capital are needed to construct two bus shelters and the connecting sidewalks. 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	16.0	0.4	16.4
Post Condition	Lane mile(s)	16.4	0.0	0.0	16.4

8 02-Sha-5 R14.8/R20 3790 0220000064 1J380	In Redding, from north of Cypress Avenue to 0.6 mile north of Oasis Road. Replace overhead signs, concrete and cable barrier, and guardrail, improve vertical clearance, <b>upgrade bridge rails</b> , and replace Transportation Management System (TMS) elements.	24-25 201.015	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$650 <del>\$1,887</del> \$180 <del>\$2,488</del> \$42 <del>\$21,206</del> \$26,439	Prior 23-24 23-24 24-25 24-25 24-25	\$650 <b>\$2,037</b> \$180 <b>\$2,680</b> \$42 <b>\$23,300</b> <b>\$28,889</b>	Prior 23-24 23-24 24-25 24-25 24-25
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Performance Measure

13 Collision(s) reduced

Note: Additional PS&E support, construction support, and construction capital is needed to upgrade bridge rails at six locations to improve safety. This additional need will be funded through Infrastructure Investment and Jobs Act (IIJA) funds.

## 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 02-Sha-5 58.0/67.019 3777 0219000164 0J810	In and near Dunsmuir, from 0.6 mile north of Sims Road to Siskiyou County line; also in Siskiyou County, from Shasta County line to south of Siskiyou Avenue (PM 0.0/2.7). Rehabilitate pavement, upgrade guardrails, bridge rail, concrete barrier, signs, and drainage systems. Also install lighting and wildlife fencing, and upgrade Transportation Management System (TMS) elements.	25-26 201.121	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$2,960 <del>\$2,000</del> \$300 <del>\$5,630</del> \$415 <del>\$56,090</del> \$67,395	Prior 24-25 24-25 25-26 25-26 25-26 25-26	\$2,960 <b>\$2,100</b> \$300 <b>\$5,780</b> \$415 <b>\$57,390</b> <b>\$68,945</b>	Prior 24-25 24-25 25-26 25-26 25-26 25-26

Performance Measure

45.4 Lane mile(s)

Note: Additional PS&E support, construction support, and construction capital are needed to replace additional concrete barrier within the project limits to improve safety by providing consistent barrier type and height. 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	45.4	0.0	45.4
Post Condition	Lane mile(s)	45.4	0.0	0.0	45.4

10 02-Teh-36 41.9/42.6 3733 0219000010 4H710	In Red Bluff, at East Sand Slough Bridge No. 08-0090 (PM 41.95), Samson Slough Bridge No. 08-0089 (PM 42.24), and Paynes Creek Slough Bridge No. 08-0088 (PM 42.5). Seismic retrofit of three bridges.	23-24 201.113	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$990 \$1,270 \$330 <del>\$900</del> \$309 <del>\$3,230</del> \$7,109	Prior Prior Prior 23-24 23-24 23-24	\$990 \$1,270 \$330 <b>\$1,180</b> \$309 <b>\$7,940</b> <b>\$12,019</b>	Prior Prior Prior 23-24 23-24 23-24
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Performance Measure

3 Bridge(s)

Note: One of the major items on this seismic retrofit project has a total quantity of 80,000-lb of steel. The unit cost of steel has nearly tripled resulting in increase of construction capital. Other cost increases include implementation of Positive Work Zone Protection and additional traffic control due to proximity to city center and businesses. Number of construction days have increased resulting in higher construction support.

Performance Measure: Bridges (3 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	144,495.0	144,495.0
Post Condition	Square feet	144,495.0	0.0	0.0	144,495.0

## 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 02-Teh-99 0.0/12.5 3707 0218000039 3H770	Near Los Molinos, from Butte County line to south of Los Molinos Creek Bridge. Rehabilitate pavement, upgrade guardrail and Transportation Management System (TMS) elements, upgrade facilities to meet Americans with Disabilities Act (ADA) standards, rehabilitate drainage systems, and widen shoulders.	23-24 201.121	PA&ED PS&E R/W Sup * Con Sup R/W Cap * <u>Const Cap</u> Total	\$2,090 \$2,060 \$810 <del>\$3,060</del> \$744 <del>\$33,010</del> \$41,774	Prior 22-23 22-23 23-24 23-24 23-24 23-24	\$2,090 \$2,060 \$810 <b>\$3,080</b> \$744 <b>\$33,270</b> <b>\$42,054</b>	Prior 22-23 22-23 23-24 23-24 23-24 23-24

G13 Contingency

\* Phase not authorized

Performance Measure

24.1 Lane mile(s)

Note: Additional construction support and capital are needed to plant 25 trees to provide shade and have a positive environmental and visual impact. 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	24.1	0.0	24.1
Post Condition	Lane mile(s)	24.1	0.0	0.0	24.1

12 03-Col-5 R24.1/R24.5 R24.3 2975 0319000287 0J460	Near Maxwell, at the Maxwell Safety Roadside Rest Area (SRRRA). Reconstruct the northbound SRRRA facility.	24-25 201.250	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$640 \$1,970 \$70 \$1,320 \$10 <del>\$8,820</del> \$12,830	Prior 23-24 23-24 24-25 24-25 24-25 24-25	\$640 \$1,970 \$70 \$1,320 \$10 <b>\$12,143</b> <b>\$16,153</b>	Prior 23-24 23-24 24-25 24-25 24-25 24-25
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Note: Update postmile to better reflect the project location. Additional construction capital is needed due to increase in cost of demolition, and electrical waste and wastewater disposal. The size of the building also increased from the original design resulting in increased cost.

Performance Measure:					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Each	0.0	0.0	1.0	1.0
Post Condition	Each	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)				
13 03-ED-50 18.7/21.9 3337 0319000280 0J400	In and near Placerville, from west of Carson Road Overcrossing to west of Still Meadows Road; also near Camino, from 1.1 miles west of Snow Road Undercrossing to east of Sawmill Undercrossing (PM 24.2/R29.1). Rehabilitate pavement, upgrade facilities to Americans with Disabilities Act (ADA) standards, rehabilitate drainage systems, upgrade concrete barrier, signs, and Transportation Management System (TMS) elements, and construct maintenance vehicle pullouts.	24-25 201.121	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$2,250 <del>\$2,140</del> \$500 <del>\$2,950</del> \$610 <del>\$29,050</del> \$37,470	Prior 23-24 23-24 24-25 24-25 24-25 24-25	\$2,250 <b>\$2,310</b> \$500 <b>\$3,150</b> \$610 <b>\$32,950</b> <b>\$41,770</b>	Prior 23-24 23-24 24-25 24-25 24-25 24-25

Performance Measure  
29.8 Lane mile(s)

Note: Increase PS&E support, construction support, and construction capital due to the change in culvert rehabilitation strategy from cured-in-place pipe culverts to climate resilient reinforced concrete pipe culverts, and change in guardrail strategy to utilize steel posts. 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	29.8	0.0	29.8
Post Condition	Lane mile(s)	29.8	0.0	0.0	29.8

14 03-Gle-32 <del>3-0</del> <b>2.8/3.2</b> 3803 0322000068 2J590	Near Orland, at intersection with County Road P. Install traffic signal.	23-24 201.010	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$520 \$730 \$220 \$1,000 <del>\$30</del> <del>\$3,500</del> \$6,000	Prior 23-24 23-24 23-24 23-24 23-24	\$520 \$730 \$220 \$1,000 <b>\$87</b> <b>\$3,570</b> <b>\$6,127</b>	Prior 23-24 23-24 23-24 23-24 23-24
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Note: The addition of flashing beacons to the scope, and related electrical and utility work resulted in the increase of construction capital. R/W capital increase is due to additional utility verification and utility conflicts. Extend postmile limits because flashing beacons will be placed beyond the intersection.

## 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	Near Emigrant Gap, from east of Drum Forebay	24-25	PA&ED	\$910	Prior	\$910	Prior
03-Pla-80	Overcrossing (OC) to west of Yuba Gap OC (PM	201.151	PS&E	<del>\$1,180</del>	23-24	<b>\$1,300</b>	23-24
49.3/R58.7	49.3R/R58.7R) and from Nevada County line to west		R/W Sup	\$150	23-24	\$150	23-24
5142	of Troy Undercrossing (PM R62.541R/68.5); also in		Con Sup	<del>\$1,380</del>	24-25	<b>\$1,580</b>	24-25
0319000297	Nevada County from west of Yuba Gap OC to Placer		R/W Cap	\$170	24-25	\$170	24-25
0J560	County line (PM R58.712R/R62.541R). Rehabilitate		<u>Const Cap</u>	<u><del>\$11,600</del></u>	24-25	<b><u>\$13,899</u></b>	24-25
	drainage systems and upgrade Transportation		Total	\$15,390		<b>\$18,009</b>	
	Management System (TMS) elements.						

### Performance Measure

31 Culvert(s)

Note: Increase PS&E support, construction support, and construction capital due to the change in culvert rehabilitation strategy from corrugated steel pipe and cured-in-place pipe culverts to climate resilient reinforced concrete pipe culverts. This additional need will be funded through Infrastructure Investment and Jobs Act (IIJA) funds.

Performance Measure: Culverts (31 Each)

	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Linear feet	0.0	243.1	3,071.0	3,314.1
Post Condition	Linear feet	3,314.1	0.0	0.0	3,314.1

16	In and near the city of Sacramento, from south of	25-26	PA&ED	\$1,170	Prior	\$1,170	Prior
03-Sac-99	Martin Luther King Jr. Boulevard to Route 50/51	201.121	PS&E	<del>\$2,050</del>	23-24	<b>\$2,150</b>	23-24
21.3/R24.351	Separation. Rehabilitate pavement and drainage		R/W Sup	\$400	23-24	\$400	23-24
6931	systems, upgrade facilities to Americans with		Con Sup	<del>\$2,940</del>	25-26	<b>\$3,090</b>	25-26
0319000282	Disabilities Act (ADA) standards, upgrade signs and		R/W Cap	<del>\$620</del>	25-26	<b>\$680</b>	25-26
0J420	Transportation Management System (TMS)		<u>Const Cap</u>	<u><del>\$27,700</del></u>	25-26	<b><u>\$28,700</u></b>	25-26
	elements, replace concrete barrier and guardrail, and		Total	\$34,880		<b>\$36,190</b>	
	construct maintenance vehicle pullouts.						

### Performance Measure

24.8 Lane mile(s)

Note: Increase PS&E support, construction support, R/W capital, and construction capital because stormwater treatment scope is being added to the project such as constructing new catch basin, installing gross solid removal device, and reconstructing stormwater piping network. 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)	6.7	18.1	0.0	24.8
Post Condition	Lane mile(s)	24.8	0.0	0.0	24.8

## 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)			
17 03-Yub-70 14.8/15.7 9820 0315000082 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. This is a Construction Manager/General Contractor (CMGC) project.	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 <del>\$12,000</del> \$15,300 <u>\$100,650</u> \$136,950	Prior Prior Prior 23-24 Prior 23-24	\$3,000 \$3,500 \$2,500 <b>\$10,400</b> \$15,300 <b>\$84,650</b> <b>\$119,350</b>	Prior Prior Prior 23-24 Prior 23-24
	G13 Contingency						

Performance Measure  
2.4 Lane mile(s)

\* Phase not authorized

Note: Split this Construction Manager/General Contractor (CMGC) parent project into EA 0H161/PPNO 03-9820A to be constructed as independent construction contract-Early Work Package No. 1.

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

18 04-Ala-13 7.9 2020L 0418000023 0P890	In Oakland, at Burns Drive Pedestrian Overcrossing No. 33-0244 (PM 7.91). Replace pedestrian overcrossing and upgrade <b>seismic safety facilities</b> to Americans with Disabilities Act (ADA) standards.	<del>23-24</del> <b>25-26</b> 201.113	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$2,359 \$2,584 \$93 \$4,252 \$26 <u>\$17,450</u> \$26,764	Prior 21-22 21-22 <del>23-24</del> <del>23-24</del> <del>23-24</del> 23-24	\$2,359 \$2,584 \$93 \$4,252 \$26 <u>\$17,450</u> \$26,764	Prior 21-22 21-22 <b>25-26</b> <b>25-26</b> <b>25-26</b> <b>25-26</b>
	<u>Performance Measure</u> 1 Bridge(s)						

Note: The project has identified environmental challenges with Section 4(f) impacts which require extensive planning, analysis, and coordination with Federal Highway Administration (FHWA). This is due to an alternative that provides the pedestrian overcrossing's landing at a public park, delaying the project by two years. Update description because the purpose of the project is to address seismic deficiency.

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	2,120.0	2,120.0
Post Condition	Square feet	2,120.0	0.0	0.0	2,120.0

## 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)			
19 04-Ala-24 Var 2095C 0419000568 0AA80	In Alameda, Contra Costa, Marin, Solano, and Sonoma Counties, on Routes 4, <b>13</b> , 24, 37, 80, <b>84</b> , <b>92</b> , 101, <b>160</b> , <b>238</b> , 242, <b>580</b> , 680, <b>880</b> , and 780 at various locations. Replace <b>technology components of</b> Transportation Management System (TMS) elements.	24-25 201.315	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,649 \$2,788 \$30 \$2,563 \$350 <u>\$20,120</u> \$27,500	Prior 23-24 23-24 24-25 24-25 24-25 24-25	\$1,649 \$2,788 \$30 \$2,563 \$350 <u>\$20,120</u> \$27,500	Prior 23-24 23-24 24-25 24-25 24-25 24-25

Performance Measure

60 Field element(s)

292 Field element(s)

Note: The Department has decided to omit high-cost TMS elements requiring structural appurtenances in favor of more lower-cost elements that will more effectively help manage traffic. Because of this scope change, there will be more locations and TMS elements added to the project without any cost change, thus increasing the performance measures.

Performance Measure: TMS Elements

	Unit	Good (Operational)	Poor (Not Operational)	Quantity
Existing Condition	Field element(s)	26.0%	74.0%	292.0
Post Condition	Field element(s)	100.0%	0.0%	292.0

20 04-Ala-84 16.9 1498A 0416000256 1K510	Near Fremont, at Silver Spring Road Underpass; also on Route 580 at Fairmont Drive Overcrossing (PM 32.7) and Route 880 at Washington Avenue (PM 20.8); also in Solano County on Route 80 at Route 113 Junction (PM 42.84). Upgrade drainage pump plants.	23-24 201.151	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,091 \$1,787 \$155 \$2,028 <del>\$89</del> <u>\$4,483</u> \$9,633	Prior Prior Prior 23-24 23-24 23-24 23-24	\$1,091 \$1,787 \$155 \$2,028 <b>\$101</b> <b>\$8,508</b> <b>\$13,670</b>	Prior Prior Prior 23-24 23-24 23-24 23-24
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Performance Measure

4 Pump plant(s)

Note: Additional construction capital is needed due to various factors such as increase in fuel and steel costs, supply chain impacts, long lead time in acquiring required materials and price fluctuations, geographical spread of locations, and lack of bidders for the type of work. R/W capital increase is due to the need of additional property access easement.

Performance Measure: Culverts (4 Each)

	Unit	Good	Fair	Poor	Quantity
Existing Condition	Linear feet	0.0	0.0	4.0	4.0
Post Condition	Linear feet	4.0	0.0	0.0	4.0

## 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)					
21 04-Mrn-1 13.1/45.1 2910M 0422000077 2Q53U	Near Stinson Beach, Point Reyes, and Tomales, from north of Calle Del Arroyo to south of Tomales Petaluma Road at various locations. Rehabilitate drainage systems.	23-24 201.151	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$3,350 \$1,150 <del>\$3,530</del> \$1,729 <del>\$10,129</del> \$19,888	22-23 22-23 23-24 23-24 23-24 23-24	\$3,350 \$1,150 <b>\$4,530</b> \$1,729 <b>\$14,129</b> <b>\$24,888</b>	22-23 22-23 23-24 23-24 23-24	
	<u>Performance Measure</u> <del>50 Culvert(s)</del> <b>51 Culvert(s)</b>							

Note: Increase performance, construction support, and construction capital because the project is adding another culvert to the scope for fish passage barrier removal. The construction of a bottomless culvert with wing-walls and parapet will remediate a barrier to fish and other aquatic life.

Performance Measure: Culverts (51 Each)					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Linear feet	0.0	0.0	2,435.0	2,435.0
Post Condition	Linear feet	2,435.0	0.0	0.0	2,435.0

22 04-Mrn-101  2910J 0420000328 1W090	In <del>Alameda, Contra Costa</del> , San Francisco, Marin, <b>Napa</b> , Santa Clara, San Mateo, <del>Solano</del> , and Sonoma Counties, on Routes <b>1, 37, 82, 84, 87, 92,</b> <b>116, 121, 152, 237, 680, 880,</b> 17, 80, 85, 101, <del>238,</del> 280, 380, and 580 at various locations. Replace <b>technology components of</b> Transportation Management System (TMS) elements.	24-25 201.315	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,767 \$4,266 \$34 \$5,761 \$10 <u>\$27,048</u> \$38,886	Prior 22-23 22-23 24-25 24-25 24-25 24-25	\$1,767 \$4,266 \$34 \$5,761 \$10 <u>\$27,048</u> \$38,886	Prior 22-23 22-23 24-25 24-25 24-25 24-25	
	<u>Performance Measure</u> <del>191 Field element(s)</del> <b>383 Field element(s)</b>							

Note: The department has decided to omit high-cost TMS elements requiring structural appurtenances in favor of more lower-cost elements that will more effectively help manage traffic. Because of this scope change, there will be more locations and TMS elements added to the project without any cost change, thus increasing the performance measures.

Performance Measure: TMS Elements				
	<u>Unit</u>	<u>Good (Operational)</u>	<u>Poor (Not Operational)</u>	<u>Quantity</u>
Existing Condition	Field element(s)	20.0%	80.0%	383.0
Post Condition	Field element(s)	100.0%	0.0%	383.0

## 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 04-Mrn-101 7.4 1493E 0416000042 4J860	In Corte Madera, at Tamalpais Drive Overcrossing No. 27-0072 (PM 7.37). Bridge seismic restoration and upgrade facilities to Americans with Disabilities Act (ADA) standards.	23-24 201.113	PA&ED	\$2,115	Prior	\$2,115	Prior	
			PS&E	\$3,462	22-23	\$3,462	22-23	
			R/W Sup	\$169	22-23	\$169	22-23	
			Con Sup	<del>\$2,957</del>	23-24	<b>\$5,041</b>	23-24	
			R/W Cap	\$692	23-24	\$692	23-24	
			<u>Const Cap</u>	<del>\$16,810</del>	23-24	<b>\$27,187</b>	23-24	
			Total	\$26,205		<b>\$38,666</b>		
	<b>Additional \$5,298,000 contribution for R/W Cap, R/W Sup, and Const Cap from the Town of Corte Madera and Transportation Authority of Marin.</b>							

### Performance Measure

1 Bridge(s)

Note: After the public comment period ended, the community support leaned towards the higher cost alternative out of the six build alternatives. This alternative includes separated bike path on the bridge, a new sidewalk at the southwest intersection, relocation of a bus stop, and reconfiguration of ramps, increasing construction support and capital. This additional need will be funded through Infrastructure Investment and Jobs Act (IIJA) funds and locals.

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	61,570.0	61,570.0
Post Condition	Square feet	61,570.0	0.0	0.0	61,570.0

24 04-Nap-121 R4.5/10.7 2025N 0418000310 1Q620	In and near the city of Napa, from Route 29 to north of Vichy Avenue. Rehabilitate pavement, upgrade signs and guardrail, rehabilitate drainage systems, upgrade facilities to Americans with Disabilities Act (ADA) standards, and construct sidewalks, high visibility crosswalks, curb ramps, Class 2 and 4 bike lanes, passive bicycle detection, transit islands, and green bikeway markings as complete streets elements.	23-24 201.121	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,140 \$2,535 \$3,245 <del>\$4,120</del> \$1,325 <del>\$23,942</del> \$36,307	Prior Prior Prior 23-24 23-24 23-24 23-24	\$1,140 \$2,535 \$3,245 <b>\$5,250</b> \$1,325 <b>\$35,004</b> <b>\$48,499</b>	Prior Prior Prior 23-24 23-24 23-24 23-24
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### Performance Measure

14.7 Lane mile(s)

Note: During design phase, additional complete streets elements were identified with 13 new curb ramps, 64 curb ramp upgrades, 63 driveway upgrades, and 3 retaining walls due to added complete street elements. These items also resulted in increase in drainage and pedestrian detour items. There have also been increases in asphalt prices. Additional construction support and capital are needed for increased scope.

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	14.3	0.4	14.7
Post Condition	Lane mile(s)	14.7	0.0	0.0	14.7

## 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 04-SF-101 0.0/T4.9 2904K 0418000341 1Q820	In the City and County of San Francisco, from San Mateo County line to Market Street. Rehabilitate roadway, upgrade signs, concrete barrier, and Transportation Management System (TMS) elements, rehabilitate drainage, and upgrade facilities to Americans with Disabilities Act (ADA) standards.	23-24 201.120	PA&ED PS&E R/W Sup * Con Sup R/W Cap * <u>Const Cap</u> Total	\$2,594 \$4,500 \$223 \$6,833 <del>\$424</del> <del>\$45,556</del> \$60,130	Prior Prior Prior 23-24 23-24 23-24	\$2,594 \$4,500 \$223 \$6,833 <b>\$250</b> <b>\$69,027</b> <b>\$83,427</b>	Prior Prior Prior 23-24 23-24 23-24

G13 Contingency

\* Phase not authorized

Performance Measure

~~14.2 Lane mile(s)~~

**15.4 Lane mile(s)**

Note: The pavement repair strategy for about ten lane miles has changed from spot slab replacement to Continuously Reinforced Concrete Pavement (CRCP) design. This has resulted in change in performance and increased construction capital. Decrease in R/W capital is due to reduction in the number of potential utility conflicts.

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	11.6	2.7	15.4
Post Condition	Lane mile(s)	15.4	0.0	0.0	15.4

26 04-SM-82 9.4 2024C 0418000291 1Q530	In the city of San Mateo, at Hillsdale Boulevard Overcrossing No. 35-0198 (PM 9.345). Upgrade bridge rails and signals and upgrade facilities to Americans with Disabilities Act (ADA) standards.	23-24 201.112	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$657 \$1,303 \$69 <del>\$746</del> \$76 <del>\$1,821</del> \$4,672	Prior Prior Prior 23-24 23-24 23-24	\$657 \$1,303 \$69 <b>\$1,281</b> \$76 <b>\$2,708</b> <b>\$6,094</b>	Prior Prior Prior 23-24 23-24 23-24
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Performance Measure

1 Bridge(s)

Note: Construction capital estimate was refined and additional funds are needed due to increase in structures items consistent with recent bids, addition of polyester concrete overlay, and addition of two new signal poles to the project. Construction support increased after a refined bottoms-up estimate was developed.

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	0.0	0.0	252.0	252.0
Post Condition	Linear feet rail	252.0	0.0	0.0	252.0

## 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 04-Sol-128 0.7 2024F 0418000297 1Q570	Near Winters, at Putah Creek Bridge No. 23-0099 (PM 0.72). Rehabilitate bridges by upgrading bridge rails and overlaying bridge deck.	<del>23-24</del> <b>24-25</b> 201.112	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$801 \$1,936 \$140 \$1,506 \$60 <del>\$4,587</del> \$9,030	Prior Prior Prior <del>23-24</del> <del>23-24</del> <del>23-24</del> 24-25	\$801 \$1,936 \$140 \$1,506 <b>\$1,400</b> <b>\$5,848</b> <b>\$11,631</b>	Prior Prior Prior <b>24-25</b> <b>24-25</b> <b>24-25</b>
	<u>Performance Measure</u> 489.0 Linear Feet						

Note: Increase in construction capital is due to additional needs for environmental mitigation, crash cushions, change in construction strategy for bridge rails, drainage, and construction of temporary access. One parcel needed for temporary easement is a Recreational Vehicle (RV) Resort parking requiring closure for two construction seasons. This has resulted in increase in R/W Capital and delay in schedule as the acquisition would require a longer lead time.

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	0.0	0.0	489.0	489.0
Post Condition	Linear feet rail	489.0	0.0	0.0	489.0

28 04-Son-1 30.8/40.6 1453J 0416000307 1K730	Near Jenner, from south of Fort Ross Road to north of Moon Rock Campground at various locations. Rehabilitate drainage culverts.	21-22 201.151	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$744 \$1,369 \$429 <del>\$1,365</del> \$595 <del>\$4,256</del> \$8,778	Prior Prior Prior 21-22 21-22 21-22 21-22	\$744 \$1,369 \$429 <b>\$1,171</b> \$595 <b>\$3,190</b> <b>\$7,498</b>	Prior Prior Prior 21-22 21-22 21-22 21-22
	<u>Performance Measure</u> 23 Culvert(s)						

Note: Split landscaping, plant establishment, monitoring and mitigation work into project EA 1K731/PPNO 04-2919W from parent project EA 1K730/PPNO 04-1453J.

Performance Measure: Culverts (23 Each)					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Linear feet	42.2	290.9	580.9	914.0
Post Condition	Linear feet	914.0	0.0	0.0	914.0

## 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)			
29 04-Son-1 30.8/40.6 2919W 0423000179 1K731	Near Jenner, from south of Fort Ross Road to north of Moon Rock Campground at various locations. Landscaping, plant establishment, monitoring and mitigation work for drainage rehabilitation project 1K730.	24-25 201.151	PA&ED PS&E R/W Sup Con Sup R/W Cap Const Cap Total		\$100 \$30 \$310 \$20 \$820 \$1,280	23-24 23-24 24-25 24-25 24-25
	<u>Performance Measure</u> 0 Culvert(s)					

Note: Split landscaping, plant establishment, monitoring and mitigation work into project EA 1K731/PPNO 04-2919W from parent project EA 1K730/PPNO 04-1453J.

30 04-Son-1 41.2/54.6 1462M 0416000309 1K750	Near Gualala, from 1.7 miles south of Kruse Ranch Road to 0.1 mile north of Vantage Road. Rehabilitate drainage culverts.	21-22 201.151	PA&ED PS&E R/W Sup Con Sup R/W Cap Const Cap Total	\$1,050 \$1,571 \$286 \$1,545 \$175 <del>\$5,619</del> \$10,246	Prior Prior Prior 21-22 21-22 21-22 21-22	\$1,050 \$1,571 \$286 \$1,545 \$175 \$3,731 \$8,358	Prior Prior Prior 21-22 21-22 21-22 21-22
	<u>Performance Measure</u> 27 Culvert(s)						

Note: Split landscaping, plant establishment, monitoring and mitigation work into project EA 1K751/PPNO 04-2919X from parent project EA 1K750/PPNO 04-1462M.

Performance Measure: Culverts (27 Each)						
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>	
Existing Condition	Linear feet	265.2	819.3	880.1	1,964.6	
Post Condition	Linear feet	1,964.6	0.0	0.0	1,964.6	

31 04-Son-1 41.2/54.6 2919X 0423000177 1K751	Near Gualala, from 1.7 miles south of Kruse Ranch Road to 0.1 mile north of Vantage Road. Landscaping, plant establishment, monitoring and mitigation work for drainage rehabilitation project 1K750.	24-25 201.151	PA&ED PS&E R/W Sup Con Sup R/W Cap Const Cap Total		\$605 \$50 \$625 \$30 \$578 \$1,888	23-24 23-24 24-25 24-25 24-25
	<u>Performance Measure</u> 0 Culvert(s)					

Note: Split landscaping, plant establishment, monitoring and mitigation work into project EA 1K751/PPNO 04-2919X from parent project EA 1K750/PPNO 04-1462M.

## 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)			
32 04-Son-116 9.6 1464F 0416000410 2K360	Near Monte Rio, at 0.2 mile west of Cnopius Road. Repair unstable slope by constructing a retaining wall.	23-24 201.131	PA&ED PS&E R/W Sup * Con Sup R/W Cap * Const Cap Total	\$1,775 \$1,883 \$204 <del>\$2,034</del> \$384 <del>\$6,976</del> \$15,247	Prior Prior Prior 23-24 23-24 23-24	\$1,775 \$1,883 \$204 <b>\$3,000</b> \$384 <b>\$10,995</b> <b>\$18,241</b>	Prior Prior Prior 23-24 23-24 23-24
	G13 Contingency						
	<u>Performance Measure</u> 1.0 Location(s)						

\* Phase not authorized

Note: Additional construction support and capital are needed for changes made to the retaining wall design to provide adequate access space and protection for the maintenance crews. This change resulted in longer wall, and additional pavement, concrete barrier, and drainage items. This also resulted in increase in number of working days and the use of a temporary signal system.

33 05-Mon-1 44.3 3075 0521000188 1P210	Near Big Sur, at 1.1 miles south of Pfeiffer Canyon Bridge. Replace failed retaining wall.	24-25 201.131	PA&ED PS&E R/W Sup Con Sup R/W Cap Const Cap Total	\$1,100 <del>\$1,900</del> \$99 <del>\$1,200</del> \$45 <del>\$3,200</del> \$7,514	Prior 23-24 23-24 24-25 24-25 24-25	\$1,100 <b>\$2,620</b> <b>\$110</b> <b>\$1,349</b> <b>\$44</b> <b>\$4,276</b> <b>\$9,499</b>	Prior 23-24 23-24 24-25 24-25 24-25
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Note: During PA&ED, it was recommended to install barrier railing to close the gap between two retaining walls on seaward side of the roadway. Increase PS&E for barrier work and architectural treatment. Increase construction capital for barrier cost and increase in pavement and drainage costs. Increase construction support because of additional 15 working days. Increase R/W support for mitigation and R/W capital for coastal development permit fee.

## 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 05-Mon-101 98.8/100.3 2679X 0521000065 1H691	Near Prunedale, from <del>0.7</del> <b>0.4</b> mile north of Crazy Horse Canyon Road to 1.1 miles south of San Juan Road. Rehabilitate drainage culverts.	23-24 201.151	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,000 \$1,606 \$875 <del>\$1,500</del> \$521 <del>\$5,605</del> \$11,107	Prior Prior Prior 23-24 23-24 23-24	\$1,000 \$1,606 \$875 <b>\$1,809</b> \$521 <b>\$5,100</b> <b>\$10,911</b>	Prior Prior Prior 23-24 23-24 23-24
	<u>Performance Measure</u> <del>49 Culvert(s)</del> <b>35 Culvert(s)</b>						

Note: During field reviews and inspections, six culverts were found to be in good condition and 22 culverts were found to be needing work. Due to change in construction methodology from pipe jacking to trenched construction, the construction capital cost has reduced. Increase in construction support is due to workplan being under-resourced. Update description to correct location.

Performance Measure: Culverts (35 Each)					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Linear feet	181.5	55.0	949.0	1,185.5
Post Condition	Linear feet	3,425.5	0.0	0.0	3,425.5

35 05-SB-101 R6.7 2427F 0521000072 1C8B3	Near Summerland, at Toro Creek Bridge. Environmental mitigation (fish passage) for EA 1C822.	<del>23-24</del> <b>25-26</b> 201.120	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$200 \$50 <del>\$200</del> \$0 <del>\$800</del> \$1,250		\$0 \$200 \$50 <b>\$891</b> \$0 <b>\$3,673</b> <b>\$4,814</b>	
	<del>(PS&amp;E, R/W Sup Only)</del> <u>Performance Measure</u> 0.0 Lane mile(s)						

Note: Support funds were previously programmed for a fish passage feasibility study only. During California Department of Fish and Wildlife (CDFW) review, it was determined that a feasible alternative existed. Increase funding and change delivery year to fund and schedule fish passage 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)					
36 06-Fre-99 21.2/24.4 6949 0617000306 0W800	In the city of Fresno, from south of El Dorado Street to Clinton Avenue. Rehabilitate roadway, repair or replace culverts, construct pumping plants, and remove or replace bridges. This is a Construction Manager/General Contractor (CMGC) project.	23-24 201.120	PA&ED	\$20,000	Prior	\$20,000	Prior	
			PS&E	\$18,000	Prior	\$18,000	Prior	
			R/W Sup	\$1,800	Prior	\$1,800	Prior	
			* Con Sup	\$36,500	23-24	\$36,500	23-24	
			R/W Cap	<del>\$34,000</del>	23-24	<b>\$23,100</b>	23-24	
			* Const Cap	<del>\$257,000</del>	23-24	<b>\$301,613</b>	23-24	
	G13 Contingency		Total	\$367,300		<b>\$401,013</b>		

Performance Measure

18.9 Lane mile(s)

\* Phase not authorized

Concurrent R/W Cap allocation under Resolution  
FP-22-71; May 2023.

Note: The current estimate was developed after extensive coordination with CMGC and Independent Cost Estimator to develop more than 300 bid items. The increase in construction capital is attributed to increase in costs for pavement, structures, drainage, environmental, and traffic items. Reduction in R/W Capital is because project was redesigned to avoid impacts to two gas stations and multiple residential properties that were estimated to be full acquisitions.

Performance Measure: Pavement					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Lane mile(s)	2.2	16.7	0.0	18.9
Post Condition	Lane mile(s)	18.9	0.0	0.0	18.9

37 06-Fre-99 23.3 6973 0618000065 0X430	In the city Fresno, at the West Avenue Maintenance Station at 1283 North West Avenue. Demolish <del>two</del> <b>three</b> existing buildings and construct <del>two new</del> <b>structures one new building</b> .	<del>23-24</del> <b>24-25</b> 201.352	PA&ED	\$420	Prior	\$420	Prior	
			PS&E	\$1,800	Prior	\$1,800	Prior	
			R/W Sup	\$40	Prior	\$40	Prior	
			Con Sup	\$2,200	<del>23-24</del>	\$2,200	<b>24-25</b>	
			R/W Cap	\$10	<del>23-24</del>	\$10	<b>24-25</b>	
			Const Cap	<del>\$11,900</del>	<del>23-24</del>	<b>\$15,150</b>	<b>24-25</b>	
			Total	\$16,370		<b>\$19,620</b>		

Performance Measure

~~2.0 Location(s)~~

**1.0 Location(s)**

Note: A dedicated power supply for this project will be installed in FY 23-24 that needs to be in place before this project can be constructed. This has resulted in one year delay. Increased construction capital is due to additional costs for asbestos abatement, mechanical equipment, electric vehicle charging stations, and addition of sign printing room. Update description and performance to correct previous error.

Performance Measure:					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Square Feet	0.0	1,226.0	9,054.0	10,280.0
Post Condition	Square Feet	13,932.0	0.0	0.0	13,932.0

## 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)				
38 06-Fre-168 <del>49.0/49.4</del> <b>49.1/49.4</b> 7061 0620000065 1A090	Near Shaver Lake, from <del>0.7</del> <b>0.6</b> mile west of to 0.3 mile west of Huntington Lake Road. Construct sidehill viaduct structure.	24-25 201.131	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$4,800 \$4,300 \$240 <del>\$8,700</del> \$34 <del>\$40,000</del> \$58,071	Prior 22-23 22-23 24-25 24-25 24-25 24-25	\$4,800 \$4,300 \$240 <b>\$7,500</b> <b>\$681</b> <b>\$33,000</b> <b>\$50,521</b>	Prior 22-23 22-23 24-25 24-25 24-25 24-25
	<u>Performance Measure</u> 1 Location(s)						

Note: Based on geotechnical investigations, the length of the viaduct is being decreased from 1000 feet to 725 feet. This has resulted in change of postmile limits and reduction in construction support and capital. Additional R/W capital is needed due to increase in mitigation needs, acquisition costs, and title and escrow fees.

39 06-Kin-41 0.0/15.5 6988 0619000004 0Y170	Near Kettleman City, from Kern County line to 0.5 mile south of Route 5. Rehabilitate pavement, construct rumble strips, and rehabilitate sign structures and drainage systems.	24-25 201.121	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,400 \$1,700 \$60 \$2,800 <del>\$30</del> \$18,500 \$24,490	Prior Prior Prior 24-25 24-25 24-25 24-25	\$1,400 \$1,700 \$60 \$2,800 <b>\$124</b> <b>\$18,500</b> <b>\$24,584</b>	Prior Prior Prior 24-25 24-25 24-25 24-25
	<u>Performance Measure</u> 31.2 Lane mile(s)						

Note: Increase in R/W capital is due to additional utility verification needs and additional permit fees.

Performance Measure: Pavement						
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>	
Existing Condition	Lane mile(s)	8.8	22.4	0.0	31.2	
Post Condition	Lane mile(s)	31.2	0.0	0.0	31.2	

## 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)				
40 06-Mad-145 8.0/12.0 7005 0619000005 0Y180	In and near the city of Madera, from south of Avenue 13 to 1.0 mile north of Tozer Street. Rehabilitate pavement, install Transportation Management System (TMS) elements, construct rumble strips, replace signs, rehabilitate drainage systems, install street lighting, construct curb extensions/bulb-outs, <b>install or improve transit shelters, plant trees,</b> and restripe roadway to install bike lanes as complete streets elements.	23-24 201.121	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$800 \$1,275 \$340 \$2,000 \$300 <del>\$13,400</del> \$18,115	Prior Prior Prior 23-24 23-24 23-24 23-24	\$800 \$1,275 \$340 \$2,000 \$300 <b>\$14,020</b> <b>\$18,735</b>	Prior Prior Prior 23-24 23-24 23-24 23-24

Performance Measure

10.8 Lane mile(s)

Note: Additional construction capital is needed to construct or improve seven bus shelters and planting 50 trees and related irrigation. 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)	0.9	8.9	1.0	10.8
Post Condition	Lane mile(s)	10.8	0.0	0.0	10.8

41 06-Tul-99 <del>20.2/R53.9</del> <b>20.3/53.2</b> 6967 0618000044 0X250	In and near the city of Tulare, from <del>0.7</del> <b>0.8</b> mile north of Avenue 152 Overcrossing to <b>0.7 mile south of</b> Fresno County line ( <del>PM 20.2/R53.939</del> ) at various locations. Rehabilitate drainage systems.	23-24 201.151	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$2,350 \$2,350 \$610 <del>\$2,640</del> <del>\$150</del> <del>\$9,900</del> \$17,970	Prior Prior Prior 23-24 23-24 23-24 23-24	\$2,350 \$2,350 \$610 <b>\$1,650</b> <b>\$371</b> <b>\$6,659</b> <b>\$13,990</b>	Prior Prior Prior 23-24 23-24 23-24 23-24
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Performance Measure

~~102 Culvert(s)~~

**34 Culvert(s)**

Note: After field reviews were conducted and culverts were reevaluated, 49 culverts were found to be in good condition. Fourteen culverts were replaced and five culverts were abandoned under other projects. Change in postmiles, performance, construction support, and construction capital is reflected due to this change. Increase R/W capital due to additional need of 41 temporary construction easements and 4 permanent construction easements.

Performance Measure: Culverts (34 Each)					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Linear feet	92.8	1,355.1	2,494.8	3,942.7
Post Condition	Linear feet	3,942.7	0.0	0.0	3,942.7

## 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)			
42 06-Tul-99 27.6/30.6 6944 0618000011 0W910	In the city of Tulare, from Paige Avenue to Prosperity Avenue Overcrossing. Rehabilitate roadway, upgrade lighting and Transportation Management System (TMS) elements, replace signs, rehabilitate drainage systems, and enhance highway worker safety.	23-24 201.122	PA&ED PS&E R/W Sup * Con Sup R/W Cap * <u>Const Cap</u> Total	\$1,800 \$2,500 \$90 \$4,000 <del>\$500</del> <u>\$28,500</u> \$37,390	Prior Prior Prior 23-24 23-24 23-24	\$1,800 \$2,500 \$90 \$4,000 <b>\$55</b> <u>\$28,500</u> <b>\$36,945</b>	Prior Prior Prior 23-24 23-24 23-24

G13 Contingency

\* Phase not authorized

Performance Measure

12.0 Lane mile(s)

Note: Reduce R/W capital because state share of utility relocations is reduced and no acquisitions are needed on the project.

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	12.0	0.0	12.0
Post Condition	Lane mile(s)	12.0	0.0	0.0	12.0

43 07-LA-2 12.7 5429 0718000191 35150	In Los Angeles County, on various routes at Santa Monica Bridge No. 53-0675, First Street Undercrossing No. 53-0582, Alvarado Street Separation No. 53-0617 and Avenue 60 on and offramp Bridge No. 53-0986S. Upgrade bridge rails, upgrade guardrail, and upgrade facilities to Americans with Disabilities Act (ADA) standards.	23-24 201.112	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,238 \$2,764 \$69 \$2,463 <del>\$245</del> <u>\$5,725</u> \$12,504	Prior Prior Prior 23-24 23-24 23-24	\$1,238 \$2,764 \$69 \$2,463 <b>\$50</b> <u>\$8,185</u> <b>\$14,769</b>	Prior Prior Prior 23-24 23-24 23-24
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Performance Measure

4 Bridge(s)

Note: Increase construction capital because modified bridge railing, bridge mounted signs, and roadside signs are needed on this project. Decrease R/W capital because three conduit relocations are no longer required.

Performance Measure: Bridges (4 Bridge(s))					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Linear feet rail	381.0	0.0	1,486.0	1,867.0
Post Condition	Linear feet rail	1,867.0	0.0	0.0	1,867.0

## 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)
44 07-LA-47 R0.4/2.0 6024 0722000334 39020	In the city of Los Angeles, near the Port of Long Beach, at Vincent Thomas Bridge No. 53-1471. Replace bridge deck and seismic sensors. <b>This is a Construction Manager/General Contractor (CMGC) project.</b>	25-26 201.110	PA&ED \$17,140 Prior PS&E \$20,900 23-24 R/W Sup \$17 23-24 Con Sup \$39,840 25-26 R/W Cap \$30 25-26 <u>Const Cap \$628,464</u> 25-26 Total \$706,391
	<u>Performance Measure</u> 1 Bridge(s)		\$17,140 Prior \$20,900 23-24 \$17 23-24 \$39,840 25-26 \$30 25-26 <u>\$628,464</u> 25-26 \$706,391

Note: Update description to include CMGC as the new recommended delivery method. The project has challenging construction staging and traffic control, extensive coordination with port authorities and railroads, challenging deck type selection, and time constraint for project completion. The innovative CMGC delivery method will assist during design, manage risks during construction, and will save project time and mitigate risks.

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	352,044.0	352,044.0
Post Condition	Square feet	352,044.0	0.0	0.0	352,044.0

45 07-LA-101 <del>6.4/11.8</del> <b>7.9/11.8R</b> 5366 0718000073 34630	In the city of Los Angeles, near Universal City from south of Mulholland Drive <b>Pilgrimage Overcrossing</b> to Route 170. Rehabilitate pavement, upgrade facilities to Americans with Disabilities Act (ADA) standards, and upgrade guardrail.	23-24 201.121	PA&ED \$636 Prior PS&E \$2,220 Prior R/W Sup \$41 Prior Con Sup <del>\$5,356</del> 23-24 R/W Cap \$357 23-24 <u>Const Cap <del>\$14,362</del></u> 23-24 Total \$20,992
	<u>Performance Measure</u> <del>32.3 Lane mile(s)</del> <b>37.0 Lane mile(s)</b>		\$636 Prior \$2,220 Prior \$41 Prior <b>\$3,824</b> 23-24 \$357 23-24 <b><u>\$16,437</u></b> 23-24 <b>\$23,515</b>

Note: During PA&ED, changes were made to scope, such as additional roadway work, sign panels and sign structure, curb ramps, complete street elements and related drainage, traffic and electrical items. Update postmile limits, project description, performance, construction support and construction capital to reflect added scope.

Performance Measure: Pavement					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Lane mile(s)	9.2	26.8	1.0	37.0
Post Condition	Lane mile(s)	37.0	0.0	0.0	37.0

## 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)				
46 07-LA-105 R2 5511 0719000014 35560	In the city of Los Angeles, near Hawthorne, at 5200 West Imperial Highway. Construct a Maintenance Equipment Training Center (METC).  <u>Performance Measure</u> 1 Location(s)	23-24 201.352	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$693 \$2,280 \$15 <del>\$2,542</del> <del>\$47</del> <del>\$9,262</del> \$14,809	Prior Prior Prior 23-24 23-24 23-24	\$693 \$2,280 \$15 <b>\$2,800</b> <b>\$23</b> <b>\$12,123</b> <b>\$17,934</b>	Prior Prior Prior 23-24 23-24 23-24

Note: Increase construction capital because of various cost increases, such as electrical and mechanical costs, new retaining wall cost as a result of shifting the building to avoid underground drainage channel, additional drainage work, additional wrought iron fence, and a new pedestrian walkway ramp. Increase in construction support is due additional working days because of scope changes. Increase R/W capital for addition utility verification needs.

Performance Measure: 1 Location(s)					
	<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	8,003.0	0.0	0.0	8,003.0

47 07-LA-138 R58.5/60.2 5802 0721000103 37640	Near Longview, from west of 116th Street to Longview Road. Construct Reinforced Concrete Box (RCB) culvert to replace perforated pipe system and concrete v-ditch.  <u>Performance Measure</u> 42 Culvert(s)	24-25 201.151	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$610 \$1,550 \$1,050 <del>\$1,175</del> <del>\$743</del> <del>\$5,547</del> \$10,675	Prior Prior Prior 24-25 24-25 24-25	\$610 \$1,550 \$1,050 <b>\$1,375</b> <b>\$685</b> <b>\$6,104</b> <b>\$11,374</b>	Prior Prior Prior 24-25 24-25 24-25
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Note: Based on detailed hydraulic analysis and clogging issues occurring during a storm, additional drainage inlet work is needed on the project, with the additional scope of 111 new inlets, 10 modified inlets, and 10 inlet removals. This has resulted in construction support and capital increase. R/W capital has reduced due to decrease in cost for utility relocation, acquisition, and escrow fees.

Performance Measure: Culverts (42 Each)					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Linear feet	0.0	0.0	0.0	0.0
Post Condition	Linear feet	3,640.5	0.0	0.0	3,640.5

## 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)			
48 07-LA-210 R18.7/R19.7 5393 0718000144 34870	In La Canada Flintridge, from east of Route 2 to west of Angeles Crest Highway on <del>Alta Canyon Road</del> <b>Overcrossing No. 53-2189 E2-W210 Connector</b> Undercrossing No. 53-2191G, and Foothill La Canada Separation No. 53-2138. <del>Seismic retrofit of one bridge and add</del> <b>Add</b> Light Emitting Diode (LED) lighting to one bridge and one tunnel.	23-24 201.113	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,160 \$3,403 \$191 <del>\$4,664</del> \$50 <del>\$17,040</del> \$26,505	Prior Prior Prior 23-24 23-24 23-24 23-24	\$1,160 \$3,403 \$191 <b>\$3,361</b> \$50 <b>\$11,991</b> <b>\$20,156</b>	Prior Prior Prior 23-24 23-24 23-24 23-24

Performance Measure

1 Bridge(s)

Note: An analysis showed that retrofitting isn't needed, and that work will be removed from scope, leaving only lighting. Update description, construction capital, and construction support to reflect scope change.

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	26,372.0	0.0	0.0	26,372.0
Post Condition	Square feet	26,372.0	0.0	0.0	26,372.0

49 07-LA-710 22.2 5499 0718000355 35470	In Commerce and Vernon, at Hobart Rail Yard Overhead No. 53-0840; <b>also at Bandini Boulevard (PM 22.0).</b> Rehabilitate, clean, and paint bridge, <b>and replace overhead sign structure.</b>	23-24 201.110	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$449 \$1,602 \$413 \$3,704 <del>\$732</del> <u>\$17,117</u> \$24,017	Prior Prior Prior 23-24 23-24 23-24 23-24	\$449 \$1,602 \$413 \$3,704 <b>\$913</b> <b>\$17,117</b> <b>\$24,198</b>	Prior Prior Prior 23-24 23-24 23-24 23-24
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Performance Measure

1 Bridge(s)

Note: Additional scope of replacing the sign structure at Bandini Drive is being added to scope of this project after it was damaged in an accident. Update project description and location to include this scope. Sufficient funds are available in the project to include this scope. Increase R/W capital for additional utility verification and temporary construction easement needs.

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	139,123.0	0.0	139,123.0
Post Condition	Square feet	139,123.0	0.0	0.0	139,123.0

## 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)			
50 07-Ven-34 <del>6.3/17.7</del> <b>6.8/17.663</b> 5515 0719000019 35590	In and near Camarillo, from <b>0.5 mile east of Rice Avenue to Route 118 (PM 17.663)</b> . Rehabilitate pavement, upgrade guardrail, <b>install complete street elements</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	\$1,598 \$3,464 \$2,125 <del>\$4,284</del> <del>\$484</del> <del>\$26,040</del> \$37,992	Prior Prior Prior 23-24 23-24 23-24	\$1,598 \$3,464 \$2,125 <b>\$5,184</b> <b>\$1,712</b> <b>\$28,144</b> <b>\$42,227</b>	Prior Prior Prior 23-24 23-24 23-24
	G13 Contingency						

Performance Measure

~~22.5 Lane mile(s)~~

**21.5 Lane mile(s)**

\* Phase not authorized

Note: Update postmiles and performance as some of the rehabilitation work was included in an overlapping project. Increase construction support and capital because sidewalk gap closure and bike lanes are being added to the project. Increase R/W capital because additional scope requires easements, utility verifications, and relocations.

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	21.5	0.0	21.5
Post Condition	Lane mile(s)	21.5	0.0	0.0	21.5

51 07-Ven-232 0.4/R4.1 5373 0718000079 34680	In and near Oxnard, from Route 101 to Route 118. Rehabilitate pavement, upgrade facilities to Americans with Disabilities Act (ADA) standards, and upgrade guardrail.	23-24 201.121	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$768 \$2,840 \$472 \$2,859 <del>\$693</del> <del>\$9,982</del> \$17,614	Prior Prior Prior 23-24 23-24 23-24	\$768 \$2,840 \$472 \$2,859 <b>\$233</b> <b>\$10,854</b> <b>\$18,026</b>	Prior Prior Prior 23-24 23-24 23-24
	<u>Performance Measure</u>						
	14.7 Lane mile(s)						

Note: Decrease R/W capital because of decrease in the number of utility relocations. Additional construction capital is needed because of increase in quantities and unit prices for earthwork, pavement, drainage, traffic, and environmental items.

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	13.2	1.5	14.7
Post Condition	Lane mile(s)	14.7	0.0	0.0	14.7

**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)			
52 11-SD-5 R67.2 1385 1119000162 43082	Near Oceanside, at the northbound and southbound San Onofre Commercial Vehicle Enforcement Facilities (CVEFs). Replace CVEF scales, repair pavement, and update signs and striping.	24-25 201.321	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$684 <del>\$575</del> \$46 \$904 \$41 <u>\$5,337</u> \$7,587	Prior 23-24 23-24 24-25 24-25 24-25 24-25	\$684 <b>\$1,016</b> \$46 \$904 \$41 <u>\$5,337</u> <b>\$8,028</b>	Prior 23-24 23-24 24-25 24-25 24-25 24-25
	<u>Performance Measure</u> 2.0 Location(s)						

Note: A Changeable Message Sign (CMS) will be added to this project to notify trucks whether scales are open or closed. Increase PS&E because of additional design effort and coordination with California Highway Patrol (CHP) and Customs and Border Protection (CBP). Capital costs will be updated at a later time.

53 12-Ora-1 21.5/31.1 2385A 1219000098 0S140	In and near Huntington Beach, and Seal Beach, from Santa Ana River Bridge to Anderson Street; also at the intersection with Seal Beach Boulevard (PM 32.7). Construct and upgrade bicycle facilities, and upgrade a traffic signal pole to improve safety.	23-24 201.010	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,430 \$1,700 \$400 <del>\$2,200</del> <del>\$700</del> <u>\$11,528</u> \$17,958	Prior Prior Prior 23-24 23-24 23-24	\$1,430 \$1,700 \$400 <b>\$2,260</b> <b>\$998</b> <u>\$11,528</u> <b>\$18,316</b>	Prior Prior Prior 23-24 23-24 23-24
	<u>Performance Measure</u> 222 Collision(s) reduced						

Note: Increase constuction support for biological monitoring needed in construction. Increase R/W capital for a Coastal Development Permit (CDP) mitigation fee.

## 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

54  
 12-Ora-5  
~~0-0/10-0~~  
**0.5/10.0**  
 2531H  
 1219000070  
 0R970

Project Location and Description of Work  
 Performance Measure

FY  
 Program Code

Project Costs  
 (\$1,000)

In San Clemente, Dana Point, and San Juan	25-26	PA&ED	\$2,140	Prior	\$2,140	Prior
Capistrano, from <b>0.5 mile north of</b> the San Diego	201.121	PS&E	<del>\$3,320</del>	23-24	<b>\$3,750</b>	23-24
County line to north of Route 74. Rehabilitate		R/W Sup	\$0		\$0	
pavement, enhance highway worker safety, upgrade		Con Sup	\$3,675	25-26	\$3,675	25-26
bridge rail, overhead sign structure, and lighting,		R/W Cap	<del>\$740</del>	25-26	<b>\$100</b>	25-26
restore drainage systems, construct stormwater		<u>Const Cap</u>	<u><del>\$20,255</del></u>	25-26	<b><u>\$25,085</u></b>	25-26
treatment Best Management Practices (BMPs), <b>add</b>		Total	\$30,100		<b>\$34,750</b>	
<b>bike lanes</b> , and upgrade facilities to Americans with						
Disabilities Act (ADA) standards.						

### Performance Measure

21.7 Lane mile(s)

Note: Update postmiles because there was no work scoped in the southern half mile of the project limits. Increase PS&E because an overhead sign requires deeper foundations, slope paving is needed, bike lines are being added, and a bridge rail design is needed. Increase construction capital because of the overhead sign foundation work, bike lanes, structure work, and electrical costs. Decrease R/W capital because permit and mitigation fees have decreased.

Performance Measure: Pavement					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Lane mile(s)	0.7	21.0	0.0	21.7
Post Condition	Lane mile(s)	21.7	0.0	0.0	21.7

**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 03-Yub-70 14.8/15.7 9820A 0323000025 0H161	In and near Marysville, from 0.1 mile south of 14th Street to 0.1 mile north of Cemetery Road. Early Work Package No. 1 for Construction Manager/General Contractor (CMGC) parent project EA 0H160. Construct new pump plant at Marysville Underpass and reconstrct pump plant at Binney Junction Underpass.	22-23 201.120	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$1,600 \$0 <u>\$16,000</u> \$17,600
				22-23 <u>22-23</u>

**Performance Measure**  
**0.0 Lane mile(s)**

Concurrent CONST and CON ENG allocation under  
Resolution FP-22-69; May 2023.

Note: Split the Construction Manager/General Contractor (CMGC) parent project EA 0H160/PPNO 03-9820 into this  
project to be constructed as an independent construction contract-Early Work Package No. 1.

## 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	In the city of Sacramento, at the West End Viaduct	26-27	PA&ED	\$5,700	Prior		
03-Sac-5	No. 24-0069L/R. Improve to standard truck capacity.	201.322	* PS&E	\$4,900	24-25		
23.6/24.3			* R/W Sup	\$400	24-25		
5863	Long Lead Project		* Con Sup	\$3,700	26-27		
0316000190			* R/W Cap	\$674	26-27		
1H610	<u>Performance Measure</u>		* <u>Const Cap</u>	<u>\$36,060</u>	<u>26-27</u>		
	2 Bridge(s)		Total	\$51,434			

\* Phase not authorized

Note: Delete long lead project. This project no longer aligns with district priorities for this segment.

2	Near Carpinteria, at the Ventura County line.	27-28	PA&ED	\$1,000	Prior	\$1,000	Prior
05-SB-101	Remediate fish passage by <del>improving</del> <b>improving</b>	28-29	* PS&E	<del>\$2,900</del>	23-24	<b>\$3,024</b>	<b>24-25</b>
R0.0	creek bed and invert modifications.	201.151	* R/W Sup	\$173	23-24	\$173	24-25
2799F			* Con Sup	<del>\$2,522</del>	27-28	<b>\$4,160</b>	<b>28-29</b>
0521000086	Long Lead Project		* R/W Cap	\$900	27-28	\$900	28-29
1J911	<u>Performance Measure</u>		* <u>Const Cap</u>	<u>\$2,000</u>	<u>27-28</u>	<u>\$10,000</u>	<u>28-29</u>
	4 Culvert(s)		Total	\$9,501		<b>\$19,257</b>	
	2 Culvert(s)						

\* Phase not authorized

Note: Delay all phases one year because additional feasibility studies and viable alternatives need to be further studied. PS&E and construction costs are increasing because of planned streambed alterations rather than prior planned culvert invert modifications. Revise performance based on an updated inspection of the drainage systems.

Performance Measure: Culverts (2 Each)					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Linear feet	0.0	602.0	268.0	870.0
Post Condition	Linear feet	870.0	0.0	0.0	870.0

## 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  
Performance Measure

FY  
Program Code

Project Costs  
(\$1,000)

3	In and near the cities of Santa Cruz and Scotts	26-27	PA&ED	\$1,381	Prior	\$1,381	Prior
05-SCr-17	Valley, from Route 1 to Santa Clara County line at	201.335	* PS&E	\$1,387	23-24	\$1,387	23-24
0.0/12.5	various locations. Construct and install stormwater		* R/W Sup	\$276	23-24	\$276	23-24
2921	quality Best Management Practices (BMPs) and		* Con Sup	\$1,429	26-27	\$1,429	26-27
0518000233	rehabilitate drainage systems.		* R/W Cap	\$397	26-27	\$397	26-27
1K670			* <u>Const Cap</u>	<u>\$4,632</u>	26-27	<u>\$4,632</u>	26-27
	Long Lead Project		Total	\$9,502		\$9,502	

Performance Measure

~~8.4 Acres treated/pollutant~~

**13.9 Acres treated/pollutant**

\* Phase not authorized

Note: During PA&ED, a more in-depth study of the culverts and surface pavement inside and outside of the State R/W resulted in calculating the acres treated accurately and increased the project performance.