

MEMORANDUM

TAB 73

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: October 13-14, 2021

From: STEVEN KECK, Chief Financial Officer

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

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

Subject: **SHOPP AMENDMENT 20H-011**

Book Item Update: Book Item Memorandum and Attachments replaced to convert PPNOs 0273S, 0222F, 1496K, 1482S, 1498N, 8195B, 1493P, and 0781P under Attachment 2.1a.(1b) to PA&ED Only projects. The PS&E and Total amounts under PPNOs 0222F, 1482S, and 0781P under Attachment 2.1a.(1b) were also updated, including the amounts in the Bridge Preservation Component table on page 2 of the Memorandum.

ISSUE:

Should the California Transportation Commission (Commission) approve the California Department of Transportation's (Department) request to amend the 2020 State Highway Operation and Protection Program (SHOPP) under SHOPP Amendment 20H-011?

RECOMMENDATION:

The Department recommends that the Commission approve SHOPP Amendment 20H-011 that will amend the 2020 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 14 new capital projects be amended into the 2020 SHOPP, as detailed in 2.1a.(1a). This amendment, summarized below, would be funded from the Major Damage Restoration, Collision Reduction and 2020 SHOPP programming capacity. These projects are consistent with the 2018 Transportation Asset Management Plan (TAMP).

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

2020 SHOPP Summary of New Projects by Category	No.	FY 2020-21 (\$1,000)	FY 2021-22 (\$1,000)	FY 2022-23 (\$1,000)	FY 2023-24 (\$1,000)
Major Damage Restoration	11	\$0	\$30,125	\$0	\$0
Collision Reduction	3	\$0	\$0	\$0	\$18,037
Total New Amendments	14	\$0	\$30,125	\$0	\$18,037

The Department recommends 15 additional new capital projects be amended into the 2020 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. This project is consistent with the 2018 TAMP.

2020 SHOPP Summary of New Projects by Category	No.	FY 2020-21 (\$1,000)	FY 2021-22 (\$1,000)	FY 2022-23 (\$1,000)	FY 2023-24 (\$1,000)
Bridge Preservation	15	\$0	\$5,060	\$16,167	\$0
Total New Amendments	15	\$0	\$5,060	\$16,167	\$0

The Department further recommends that the capital projects, detailed in 2.1a.(1d) and 2.1a.(1f) be amended in the 2020 SHOPP to update scope, schedule, cost and make other technical changes. The amended projects are consistent with the Commission-adopted 2018 TAMP.

BACKGROUND:

In each even-numbered year, the Department prepares a four-year SHOPP which defines major capital improvements necessary to preserve and protect the State Highway System. Periodically, the Department proposes amendments to the SHOPP to address newly identified needs prior to the next programming cycle. Between programming cycles, the Department updates scope, schedule and cost to effectively deliver projects.

Senate Bill 486, approved by 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 2020 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-Men-101 38.0/40.0 4774 0122000003 0L400	Near Willits, from 1.4 miles south to 0.6 north of Ridgewood Ranch Road. Repair damaged drainage system and pavement, and install geotechnical borings. <u>Note:</u> On June 3, 2021, a sinkhole was discovered on the northbound shoulder, resulting in closure of the number two lane. The inspections revealed significant damage to the stormwater drainage system attributed to the historical land movement in the area. This project will repair the damaged drainage system and pavement, and conduct geotechnical borings to gather information on the land movement.	21-22	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$10 \$750 \$10 <u>\$2,500</u> \$3,270	21-22 21-22 21-22 21-22	201.130 Assembly: 2 Senate: 2 Congress: 2 1 Location(s)
2 02-Plu-70 1.0 3853 0222000013 3J150	Near Storrie, at Elephant Butte Tunnel No. 09-0024. Remove rockfall, and repair damaged hangers and steel structure. <u>Note:</u> Recent investigations revealed that the steel structure designed to protect traffic from rockfall by spanning internal sections within the tunnel is overloaded with debris accumulation and is at risk of failure. An unknown high load hit has also loosened several anchors and bent the metal structure. This project will remove the rockfall from the steel structure, and repair damaged hangers and steel structure.	21-22	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$300 \$0 <u>\$1,000</u> \$1,300	21-22 21-22	201.130 Assembly: 1 Senate: 4 Congress: 1 1 Location(s)

List of New 2020 SHOPP Capital Project Amendments

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work	FY	Project Costs (\$1,000)		Program Code Leg./Congress. Dists. Perf. Meas.	
3 02-Plu-70 4.0/45.0 3852 0222000010 3J120	Near Pulga and Quincy, from Rock Creek Powerhouse Overcrossing to Fairgrounds Road. Repair culverts, remove hazardous trees, rocks and debris, and replace guardrails and signs.	21-22	PA&ED	\$0	201.130	
			PS&E	\$0	Assembly: 1	
			R/W Sup	\$0	Senate: 1, 4	
			Con Sup	\$600	21-22	Congress: 1
			R/W Cap	\$100	21-22	
			<u>Const Cap</u>	<u>\$2,000</u>	21-22	1 Location(s)
		Total	\$2,700			
<p><u>Note:</u> On July 14, 2021, the Dixie Fire started and has burned over 190,000 acres of land with no realistic containment date. Additionally, as of July 26, 2021, the Fly Fire merged with the Dixie Fire, and is still burning. The access to the fire damaged areas is currently limited due to fire activity. The fires have caused damage to culverts, guardrails, and other assets along the roadway. This project will repair culverts, remove hazardous trees, rocks and debris, and replace guardrails and signs in fire damaged areas.</p>						
4 02-Plu-284 0.0/8.3 3854 0222000008 3J100	Near Chilcoot, from Route 70 to Frenchman Lake Dam. Repair culverts and pavement, remove hazardous trees, and replace guardrails, fencing, delineation, and signs.	21-22	PA&ED	\$0	201.130	
			PS&E	\$0	Assembly: 1	
			R/W Sup	\$0	Senate: 1	
			Con Sup	\$250	21-22	Congress: 1
			R/W Cap	\$30	21-22	
			<u>Const Cap</u>	<u>\$1,000</u>	21-22	17 Location(s)
		Total	\$1,280			
<p><u>Note:</u> On July 3, 2021, the Beckwourth Fire started and is 98% contained. The fire burned over 1000 trees and caused damage to culverts, guardrails, and other assets along the roadway. This project will repair culverts and pavement, remove hazardous trees, and replace guardrails, fencing, delineation, and signs in fire damaged areas.</p>						

List of New 2020 SHOPP Capital Project Amendments

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work	FY	Project Costs (\$1,000)		Program Code Leg./Congress. Dists. Perf. Meas.	
5 02-Sis-5 Var 3850 0221000126 2J700	In Siskiyou County, on Routes 5 and 97 at various locations. Construct paved turn-arounds, install Changeable Message Signs (CMS), and relocate chain installation area.	21-22	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$1,200 \$100 <u>\$3,880</u> \$5,180	21-22 21-22 21-22	201.130 Assembly: 1 Senate: 1 Congress: 1 14 Location(s)
<p><u>Note:</u> Weather events such as heavy snow, as well as fires, have become more frequent and also have resulted in an increase in collisions that require emergency response. Weather conditions, related collisions, and fires lead to increased road closures and congestion on Routes 5 and 97 in Siskiyou County resulting in trapped travelers and impacted emergency vehicle response. Due to these extreme events occurring more often, there is an immediate need to construct paved turn-arounds among other improvements before further weather and fire conditions occur. This project will construct paved turn-arounds, install Changeable Message Signs (CMS), and relocate chain installation area.</p>						
6 02-Sis-97 5.4/7.6 3851 0222000001 3J040	Near Weed, from 1.0 mile north of Big Springs Road to 0.3 mile north of Juniper Valley Drive; also from 1.0 mile north of Tennant-Bray Road to 0.4 mile south of Ball Mountain Road (PM 28.7/35.8). Remove hazardous trees, repair pavement, and replace guardrails, fencing, delineation, signs, and culverts.	21-22	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$750 \$30 <u>\$3,000</u> \$3,780	21-22 21-22 21-22	201.130 Assembly: 1 Senate: 1 Congress: 1 2 Location(s)
<p><u>Note:</u> On June 24, 2021, the Lava Fire started and on June 26, 2021, the Tenent Fire started in close proximity of each other. These fires burned trees, barbed wire fencing and deer fencing, guardrails, signs and other assets along the roadway. The access to the fire damaged areas is currently limited due to fire activity. Both locations are still burning and have pavement damage from fire fighting efforts. This project will remove hazardous trees, repair pavement, and replace guardrails, fencing, delineation, signs, and culverts in the fire damaged areas.</p>						

List of New 2020 SHOPP Capital Project Amendments

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work	FY	Project Costs (\$1,000)		Program Code Leg./Congress. Dists. Perf. Meas.	
7 02-Teh-Var Var 3855 0222000021 3J220	In Tehama, Plumas, and Lassen Counties, on Routes 32, 36, 44, 89, 147 at various locations. Repair culverts, remove hazardous trees, place erosion control, and replace guardrails and signs.	21-22	PA&ED	\$0	201.130	
			PS&E	\$0	Assembly: 1, 3	
			R/W Sup	\$0	Senate: 1, 4	
			Con Sup	\$1,250	21-22	Congress: 1
			R/W Cap	\$100	21-22	
			<u>Const Cap</u>	<u>\$5,000</u>	21-22	156 Location(s)
		Total	\$6,350			
<p><u>Note:</u> The Dixie Fire started on July 14, 2021, and continues to grow and as of August 8, 2021, has no realistic containment date. The state routes within the footprint of the fire are heavily forested and currently access is limited due to active fire. The fire has caused damage to trees, culverts, guardrails, retaining walls, and other assets along the roadway. This project will repair culverts, remove hazardous trees, place erosion control, and replace guardrails and signs in the fire damaged areas.</p>						
8 02-Tri-299 0.0/43.4 3856 0222000018 3J190	Near Slayer, Burnt Ranch, and Junction City, from the Humboldt County line to 0.1 mile west of Canyon Creek Road at various locations. Repair culverts and retaining walls, remove hazardous trees and rock slide debris, and replace guardrails and signs.	21-22	PA&ED	\$0	201.130	
			PS&E	\$0	Assembly: 2	
			R/W Sup	\$0	Senate: 2	
			Con Sup	\$700	21-22	Congress: 2
			R/W Cap	\$100	21-22	
			<u>Const Cap</u>	<u>\$2,000</u>	21-22	43 Location(s)
		Total	\$2,800			
<p><u>Note:</u> The Monument Fire started on July 30, 2021, and continues to burn. As of August 12, 2021, this fire has burnt over 67,000 acres and has only 3% containment. The access to the fire damaged areas is currently limited due to fire activity. The fire has caused damage to trees, culverts, guardrails, timber retaining walls, and other assets along the roadway. This project will repair culverts and retaining walls, remove hazardous trees and rock slide debris, and replace guardrails and signs in the fire damaged areas.</p>						

List of New 2020 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 04-Mrn-101 3.5/4.7 2909E 0421000352 3W390	Near Sausalito, at Richardson Bay Bridge No. 27-0010. Remove damaged expansion joint, repair concrete section, and install new finger joints. <u>Note:</u> During field reviews, it was observed that two metal fingers in one of the expansion joints have broken away. Further assessments revealed that the joint is failing at an accelerated rate creating a hazardous road condition. This project will remove the damaged expansion joint, repair the concrete section, and install new finger joints.	21-22	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$325 \$0 <u>\$610</u> \$935	21-22 21-22	201.130 Assembly: 10 Senate: 2 Congress: 2 1 Location(s)
10 05-SLO-1 62.5 3064 0521000159 1P030	Near San Simeon, at 1.3 miles south of Point Piedras Lighthouse. Replace failed culvert and repair sinkhole. <u>Note:</u> On June 23, 2021, a sinkhole was discovered near the outlet of an eighty-four inch culvert. The inspections revealed significant corrosion and separation of the culvert within the stormwater drainage system. This project will replace the failed culvert, install culvert liner, and repair the pavement.	21-22	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$25 \$130 \$50 <u>\$550</u> \$755	21-22 21-22 21-22 21-22	201.130 Assembly: 35 Senate: 17 Congress: 24 1 Location(s)
11 08-Riv-74 80.5/82.0 3019C 0821000145 1M600	Near Pinyon Pines, from Pinyon Drive to 2.0 miles west of Carrizo Road. Repair fire damaged facilities. <u>Note:</u> On June 13, 2021, the Flats Fire started and ended up burning 341 acres by the time it was contained on June 21. The fire destroyed 1200 feet of guardrail, damaged asphalt pavement, and burned vegetation on both sides of Route 74. This project will remove debris, replace damaged pavement and guardrail, repair drainage systems, and place erosion control.	21-22	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$120 \$80 \$0 \$550 \$10 <u>\$1,015</u> \$1,775	21-22 21-22 21-22 21-22 21-22	201.130 Assembly: 71 Senate: 28 Congress: 36 1 Location(s)

List of New 2020 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						
12 04-Ala-84 10.8/R18.0 2030E 0419000272 3Q850	In and near Fremont, Union City, and Sunol, from Mission Boulevard to Route 680. Install flashing beacons, curve warning signs, speed advisory signs, and delineators.	23-24	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,046 \$1,417 \$53 \$1,178 \$40 <u>\$1,790</u> \$5,524	21-22 22-23 22-23 23-24 23-24 23-24	201.010 Assembly: 20 Senate: 7, 10 Congress: 15 13 Collision(s) reduced
	PA&ED: 5/10/2023 R/W: 5/1/2024 RTL: 5/10/2024 BC: 11/10/2024					
	(Concurrent COS allocation under Resolution FP-21-26; October 2021.)					
13 12-Ora-5 9.6/10.4 2627 1220000014 0S280	In San Juan Capistrano, from Route 74 to south of Junipero Serra Road. Add a second auxiliary lane, Changeable Message Sign (CMS), and overhead sign structures.	23-24	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,022 \$1,097 \$0 \$1,023 \$0 <u>\$5,000</u> \$8,142	21-22 22-23 23-24 23-24	201.010 Assembly: 73 Senate: 36 Congress: 49 47 Collision(s) reduced
	PA&ED: 11/8/2022 R/W: 12/12/2023 RTL: 1/9/2024 BC: 8/13/2024					
	(Concurrent COS allocation under Resolution FP-21-26; October 2021.)					
14 12-Ora-5 R26.3/42.2 2819 1220000038 0S310	In and near the cities of Irvine, Tustin, Santa Ana, Orange, Anaheim, and Fullerton, from 0.3 mile south of Culver Drive to Route 91 (PM 42.2R/L). Reduce wrong-way driving by replacing signs, refreshing pavement delineation, constructing raised islands, and installing safety lighting.	23-24	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$440 \$770 \$0 \$920 \$9 <u>\$2,232</u> \$4,371	21-22 22-23 23-24 23-24 23-24	201.010 Assembly: 65, 68, 69, 74 Senate: 29, 34, 37 Congress: 45, 46 11 Collision(s) reduced
	PA&ED: 7/8/2022 R/W: 4/27/2023 RTL: 7/11/2023 BC: 3/26/2024					
	(Concurrent COS allocation under Resolution FP-21-26; October 2021.)					

List of New 2020 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 03-But-99 R34.3 2442 0322000038 2G600	In Chico, at Cohasset Highway Overcrossing No. 12-0168; also in Placer County, on Route 80 at Troy Undercrossing No. 19-0106L/R (PM 68.55) and Kingvale Undercrossing No. 19-0107L (PM 69.23). Polyester concrete overlay to one bridge deck, and deck-on-deck replacement and bridge rail replacement at three bridges.	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$180 \$375 \$30 \$525 \$5 <u>\$3,355</u> \$4,470	21-22 21-22 21-22 22-23 22-23 22-23	201.119 Assembly: 1, 3 Senate: 1, 4 Congress: 1

(Bridge Deck Preservation)

PA&ED: 6/1/2022
 R/W: 11/1/2022
 RTL: 12/1/2022
 BC: 4/3/2023

(Concurrent COS allocation under Resolution FP-21-26; October 2021.)

Performance Measure: Bridges (4 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	32,216.0	32,216.0
Post Condition	Square feet	17,545.0	14,671.0	0.0	32,216.0

List of New 2020 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.	
2 04-Ala-680 Var 0273S 0421000384 3W520	In and near Fremont and Hayward, on Routes 580, 680, 880 at various locations. Apply polyester concrete overlay to bridge decks. (Bridge Deck Preservation) (PA&ED Only)	22-23	PA&ED * PS&E * R/W Sup * Con Sup * R/W Cap <u>* Const Cap</u> Total	\$105 \$2,636 \$53 \$2,478 \$0 <u>\$8,600</u> \$13,872	21-22 21-22 21-22 22-23 22-23 22-23	201.119 Assembly: 20 Senate: 10 Congress: 13
	PA&ED: 11/30/2021 R/W: 5/23/2023 RTL: 6/16/2023 BC: 9/22/2023					
	(Concurrent COS allocation under Resolution FP-21-26; October 2021.)					

* Phase NOT Programmed.

**Note: Change to add the PA&ED Only and Phase
 NOT Programmed notes made via the Yellow
 Replacement Book Item and Attachment
 distributed at the October 2021 CTC Meeting.**

Performance Measure: Bridges (10 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	174,570.0	174,570.0
Post Condition	Square feet	174,570.0	0.0	0.0	174,570.0

List of New 2020 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.	
3 04-CC-680 Var 0222F 0421000385 3W530	In San Ramon, Danville, and Walnut Creek, at various locations. Apply polyester concrete overlay to bridge decks. (Bridge Deck Preservation) (PA&ED Only)	21-22	PA&ED * PS&E * R/W Sup * Con Sup * R/W Cap <u>* Const Cap</u> Total	\$109 \$1,910 \$55 \$2,564 \$0 <u>\$8,900</u> \$13,538	21-22 21-22 21-22 21-22 21-22 21-22	201.119 Assembly: 14 Senate: 7 Congress: 10
PA&ED: 11/30/2021 R/W: 5/20/2022 RTL: 6/17/2022 BC: 9/22/2022 (Concurrent COS allocation under Resolution FP-21-26; October 2021.)						

* Phase NOT Programmed.

Note: Change of PS&E amount from \$2,728 to \$1,910 and the Total amount from \$14,356 to \$13,538 and to add the PA&ED Only and Phase NOT Programmed notes made via the Yellow Replacement Book Item and Attachment distributed at the October 2021 CTC Meeting.

Performance Measure: Bridges (6 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	145,592.0	145,592.0
Post Condition	Square feet	145,592.0	0.0	0.0	145,592.0

List of New 2020 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.	
4 04-CC-680 Var 1496K 0422000032 3W750	In and near Walnut Creek and Martinez, at Rudgear Road Undercrossing No. 28-0059 (PM R12.6), Olympic Boulevard Undercrossing No. 28-0161 (PM 13.9), and Mococo Overhead No. 28-0356R (PM 24.3). Apply polyester concrete overlay to bridge decks.	22-23	PA&ED	\$167	21-22	201.119
			*PS&E	\$4,169	21-22	Assembly: 11
			*R/W Sup	\$83	21-22	Senate: 7
			*Con Sup	\$3,918	22-23	Congress: 10
			*R/W Cap	\$0		
			*Const Cap	\$13,600	22-23	
			Total	\$21,937		

(Bridge Deck Preservation)
 (PA&ED Only)

PA&ED: 11/30/2021
 R/W: 5/19/2023
 RTL: 6/16/2023
 BC: 9/22/2023

(Concurrent COS allocation under Resolution FP-21-26; October 2021.)

* Phase NOT Programmed.

Note: Change to add the PA&ED Only and Phase NOT Programmed notes made via the Yellow Replacement Book Item and Attachment distributed at the October 2021 CTC Meeting.

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	266,385.0	266,385.0
Post Condition	Square feet	266,385.0	0.0	0.0	266,385.0

List of New 2020 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.	
5 04-SCI-237 Var 1482S 0421000386 3W540	In Mountain View, Sunnyvale, and Milpitas, at Stevens Creek Bridge No. 37-0200F (PM R0.35), North Mathilda Avenue Undercrossing No. 37-0179 (PM 2.99), Fair Oaks Avenue Overcrossing No. 37-0248 (PM R3.98), and Coyote Creek Bridge No. 37-0084L (PM 8.72). Apply polyester concrete overlay to bridge decks.	21-22	PA&ED	\$41	21-22	201.119
			*PS&E	\$711	21-22	Assembly: 22
			*R/W Sup	\$20	21-22	Senate: 13
			*Con Sup	\$953	21-22	Congress: 15
			*R/W Cap	\$0		
			*Const Cap	\$3,310	21-22	
			Total	\$5,035		

(Bridge Deck Preservation)
 (PA&ED Only)

PA&ED: 11/30/2021
 R/W: 5/20/2022
 RTL: 6/17/2022
 BC: 9/23/2022

(Concurrent COS allocation under Resolution FP-21-26; October 2021.)

* Phase NOT Programmed.

Note: Change of PS&E amount from \$1,015 to \$711 and the Total amount from \$5,339 to \$5,035 and to add the PA&ED Only and Phase NOT Programmed notes made via the Yellow Replacement Book Item and Attachment distributed at the October 2021 CTC Meeting.

Performance Measure: Bridges (4 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	43,638.0	43,638.0
Post Condition	Square feet	43,638.0	0.0	0.0	43,638.0

List of New 2020 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.	
6 04-SM-280 Var 1498N 0421000387 3W550	In and near Woodside, South San Francisco and Daly City, at various locations. Apply polyester concrete overlay to bridge decks. (Bridge Deck Preservation) (PA&ED Only)	22-23	PA&ED * PS&E * R/W Sup * Con Sup * R/W Cap <u>* Const Cap</u> Total	\$110 \$2,759 \$55 \$2,593 \$0 <u>\$9,000</u> \$14,517	21-22 21-22 21-22 22-23 22-23 22-23	201.119 Assembly: 19 Senate: 8 Congress: 14
	PA&ED: 11/30/2021 R/W: 5/19/2023 RTL: 6/16/2023 BC: 9/22/2023					
	(Concurrent COS allocation under Resolution FP-21-26; October 2021.)					

* Phase NOT Programmed.

**Note: Change to add the PA&ED Only and Phase
 NOT Programmed notes made via the Yellow
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Performance Measure: Bridges (8 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	131,514.0	131,514.0
Post Condition	Square feet	131,514.0	0.0	0.0	131,514.0

List of New 2020 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.	
7 04-Sol-37 R7.4 8195B 0422000033 3W760	In Vallejo, at Napa River Bridge No. 23-0064. Apply polyester concrete overlay to bridge deck. (Bridge Deck Preservation) (PA&ED Only)	22-23	PA&ED * PS&E * R/W Sup * Con Sup * R/W Cap * Const Cap Total	\$136 \$3,402 \$68 \$3,198 \$0 \$11,100 \$17,904	21-22 21-22 21-22 22-23 22-23 22-23	201.119 Assembly: 8 Senate: 2 Congress: 7
	PA&ED: 11/30/2021 R/W: 5/19/2023 RTL: 6/16/2023 BC: 9/22/2023					
	(Concurrent COS allocation under Resolution FP-21-26; October 2021.)					

* Phase NOT Programmed.

Note: Change to add the PA&ED Only and Phase NOT Programmed notes made via the Yellow Replacement Book Item and Attachment distributed at the October 2021 CTC Meeting.

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	247,452.0	247,452.0
Post Condition	Square feet	247,452.0	0.0	0.0	247,452.0

List of New 2020 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.	
8 04-Sol-80 Var 1493P 0421000388 3W560	In and near Fairfield, Vacaville, and Dixon, on Routes 12, 80, and 680 at various locations. Apply polyester concrete overlay to bridge decks. (Bridge Deck Preservation) (PA&ED Only)	22-23	PA&ED * PS&E * R/W Sup * Con Sup * R/W Cap <u>* Const Cap</u> Total	\$140 \$3,494 \$70 \$3,285 \$0 <u>\$11,400</u> \$18,389	21-22 21-22 21-22 22-23 22-23 22-23	201.119 Assembly: 8 Senate: 5 Congress: 10
	PA&ED: 11/30/2021 R/W: 5/19/2023 RTL: 6/16/2023 BC: 9/22/2023					
	(Concurrent COS allocation under Resolution FP-21-26; October 2021.)					

* Phase NOT Programmed.

**Note: Change to add the PA&ED Only and Phase
 NOT Programmed notes made via the Yellow
 Replacement Book Item and Attachment
 distributed at the October 2021 CTC Meeting.**

Performance Measure: Bridges (15 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	179,586.0	179,586.0
Post Condition	Square feet	179,586.0	0.0	0.0	179,586.0

List of New 2020 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.	
9 04-Son-101 Var 0781P 0421000389 3W570	In and near Sonoma, Geyserville, Healdsburg, and Cloverdale, on Routes 12, 101, and 128 at various locations. Apply polyester concrete overlay to bridge decks. (Bridge Deck Preservation) (PA&ED Only)	21-22	PA&ED * PS&E * R/W Sup * Con Sup * R/W Cap <u>* Const Cap</u> Total	\$65 \$1,135 \$32 \$1,524 \$0 <u>\$5,290</u> \$8,046	21-22 21-22 21-22 21-22 21-22 21-22	201.119 Assembly: 1 Senate: 2 Congress: 6
	PA&ED: 11/30/2021 R/W: 5/20/2022 RTL: 6/17/2022 BC: 9/23/2022					

(Concurrent COS allocation under Resolution FP-21-26; October 2021.)

* Phase NOT Programmed.

Note: Change of PS&E amount from \$1,622 to \$1,135 and the Total amount from \$8,533 to \$8,046 and to add the PA&ED Only and Phase NOT Programmed notes made via the Yellow Replacement Book Item and Attachment distributed at the October 2021 CTC Meeting.

Performance Measure: Bridges (5 Bridge(s))					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Square feet	0.0	0.0	86,693.0	86,693.0
Post Condition	Square feet	86,693.0	0.0	0.0	86,693.0

List of New 2020 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.	
10 05-SLO-101 Var 3078 0522000002 1P230	In San Luis Obispo County, in and near Santa Maria, Santa Margarita, Atascadero at various locations; also in Monterey County at North Bradley Undercrossing No. 44-0142R (PM R7.94). Apply polyester concrete overlay and replace joint seals. (Bridge Deck Preservation)	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$75 \$330 \$10 \$650 \$0 <u>\$2,218</u> \$3,283	21-22 21-22 21-22 22-23 22-23 22-23	201.119 Assembly: 35 Senate: 17 Congress: 24
	PA&ED: 8/22/2022 R/W: 10/21/2022 RTL: 11/14/2022 BC: 4/1/2023					
	(Concurrent COS allocation under Resolution FP-21-26; October 2021.)					

Performance Measure: Bridges (6 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	32,271.0	32,271.0
Post Condition	Square feet	32,271.0	0.0	0.0	32,271.0

11 10-Mer-5 19.4 3529 1021000185 1N430	Near Santa Nella and Los Banos, at various locations. Apply polyester concrete overlay to bridge decks. (Bridge Deck Preservation)	21-22	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$25 \$200 \$0 \$360 \$0 <u>\$1,982</u> \$2,567	21-22 21-22 21-22 21-22	201.119 Assembly: 21 Senate: 12 Congress: 16
	PA&ED: 1/31/2022 R/W: 2/1/2022 RTL: 3/1/2022 BC: 6/15/2022					
	(Concurrent COS allocation under Resolution FP-21-26; October 2021.)					

Performance Measure: Bridges (6 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	27,780.0	27,780.0
Post Condition	Square feet	27,780.0	0.0	0.0	27,780.0

List of New 2020 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.	
12 10-Mer-99 21.6/23.5 3534 1022000026 1N780	Near Santa Nella, at East Atwater Overhead No. 36-0126L/R; also at West Atwater Overhead No. 39-128L/R (PM 23.47). Apply polyester concrete overlay to bridge decks. (Bridge Deck Preservation)	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$100 \$350 \$5 \$600 \$5 <u>\$3,471</u> \$4,531	21-22 21-22 22-23 22-23 22-23 22-23 22-23	201.119 Assembly: 21 Senate: 12 Congress: 16
	PA&ED: 6/1/2022 R/W: 5/1/2023 RTL: 5/30/2023 BC: 11/24/2023					
	(Concurrent COS allocation under Resolution FP-21-26; October 2021.)					

Performance Measure: Bridges (4 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	84,152.0	84,152.0
Post Condition	Square feet	84,152.0	0.0	0.0	84,152.0

13 10-SJ-4 R16.2 3531 1022000024 1N760	In Stockton, at Mormon Slough Bridge No. 29-0237L. Apply polyester concrete overlay to bridge deck. (Bridge Deck Preservation)	22-23	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$40 \$150 \$0 \$210 \$0 <u>\$1,593</u> \$1,993	21-22 21-22 22-23 22-23	201.119 Assembly: 13 Senate: 5 Congress: 9
	PA&ED: 2/15/2022 R/W: 8/16/2022 RTL: 1/3/2023 BC: 7/21/2023					
	(Concurrent COS allocation under Resolution FP-21-26; October 2021.)					

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	31,538.0	31,538.0
Post Condition	Square feet	31,538.0	0.0	0.0	31,538.0

List of New 2020 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.	
14 10-SJ-5 0.6L 3533 1022000025 1N770	Near Lathrop, at the southbound Route 5 to westbound Route 205 Separation Bridge No. 29-0242L. Apply polyester concrete overlay to bridge deck. (Bridge Deck Preservation)	22-23	PA&ED	\$120	21-22	201.119
			PS&E	\$180	22-23	Assembly: 13
			R/W Sup	\$0		Senate: 5
			Con Sup	\$290	22-23	Congress: 9
			R/W Cap	\$0		
			<u>Const Cap</u>	<u>\$1,300</u>	22-23	
			Total	\$1,890		
	PA&ED: 7/15/2022					
	R/W: 5/20/2023					
	RTL: 6/17/2023					
	BC: 12/8/2023					
	(Concurrent COS allocation under Resolution FP-21-26; October 2021.)					

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	19,989.0	19,989.0
Post Condition	Square feet	19,989.0	0.0	0.0	19,989.0

15 10-SJ-5 R13.0 3528 1021000212 1N570	Near Lathrop, at Paradise Cut Bridge No. 29-0032R; also on Route 205 at the eastbound Route 205 to northbound 5 Connector Bridge No. 29-0032G. Replace approach slabs, apply polyester concrete overlay to bridge decks and replace joint seals. (Bridge Deck Preservation)	21-22	PA&ED	\$60	21-22	201.119
			PS&E	\$200	21-22	Assembly: 12, 13
			R/W Sup	\$0		Senate: 5
			Con Sup	\$550	21-22	Congress: 9
			R/W Cap	\$0		
			<u>Const Cap</u>	<u>\$810</u>	21-22	
			Total	\$1,620		
	PA&ED: 11/1/2021					
	R/W: 2/1/2022					
	RTL: 3/1/2022					
	BC: 7/5/2022					
	(Concurrent COS allocation under Resolution FP-21-26; October 2021.)					

Performance Measure: Bridges (2 Bridge(s))					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Square feet	0.0	0.0	48,944.0	48,944.0
Post Condition	Square feet	48,944.0	0.0	0.0	48,944.0

**List of 2020 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 05-SCr-1 31.9/35.7 1967 0512000069 0J200	Near Davenport, from 1.4 miles north of Swanton Road to 0.6 mile south of Waddell Creek. Replace and upgrade existing Corrugated Metal Pipe (CMP) culverts with Reinforced Concrete Pipe (RCP) culverts.	21-22 201.151	PA&ED	\$964	Prior	\$964	Prior
			PS&E	\$1,940	Prior	\$1,940	Prior
			R/W Sup	\$344	Prior	\$344	Prior
			Con Sup	\$1,365	21-22	\$1,365	21-22
			R/W Cap	\$262	21-22	\$262	21-22
			<u>Const Cap</u>	<u>\$8,205</u>	21-22	<u>\$8,095</u>	21-22
			Total	\$13,080		\$12,970	
			<u>Performance Measure</u>				
4 Culvert(s)							

(Concurrent CONST and CON ENG allocation under Resolution FP-21-25; October 2021.)

Note: Split environmental mitigation project EA 0J201/PPNO 05-1967X from parent project EA 0J200/PPNO 05-1967 for biological monitoring required by permitting agencies.

Performance Measure: Culverts (4 Each)					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Linear feet	0.0	0.0	680.0	680.0
Post Condition	Linear feet	680.0	0.0	0.0	680.0

2 05-SCr-1 31.9/35.7 1967X 0522000010 0J201	Near Davenport, from 1.4 miles north of Swanton Road to 0.6 mile south of Waddell Creek. Environmental mitigation biological monitoring for project EA 0J200.	22-23 201.151	PA&ED	\$0		
			PS&E	\$0		
			R/W Sup	\$0		
			Con Sup	\$100	22-23	
			R/W Cap	\$10	22-23	
			<u>Const Cap</u>	<u>\$0</u>		
			Total	\$110		
<u>Performance Measure</u>						
0 Culvert(s)						

Note: Split environmental mitigation project EA 0J201/PPNO 05-1967X from parent project EA 0J200/PPNO 05-1967 for biological monitoring required by permitting agencies.

List of 2020 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 06-Fre-33 69.4/71.5 6972 0618000051 0X300	In and near Firebaugh, from Morris Kyle Drive to 0.6 mile north of Clyde Fannon Drive. Rehabilitate roadway, replace signs, install Transportation Management System (TMS) elements, upgrade guardrail, upgrade facilities to Americans with Disabilities Act (ADA) standards, replace signs, upgrade traffic signals and lighting , and rehabilitate drainage systems.	23-24	PA&ED	\$1,700	Prior	\$1,700	Prior
		22-23	PS&E	\$2,100	22-23	\$2,100	22-23
		201.120	R/W Sup	\$1	22-23	\$1	22-23
			Con Sup	\$2,800	23-24	\$2,800	22-23
			R/W Cap	\$260	23-24	\$280	22-23
			<u>Const Cap</u>	<u>\$12,500</u>	23-24	<u>\$12,500</u>	22-23
			Total	\$19,361		\$19,381	

Performance Measure

6.8 Lane mile(s)

Note: Accelerate project because early delivery is possible. Increase in right of way capital is due to additional temporary construction easements to construct ADA facilities.

Performance Measure: Pavement		<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
	<u>Unit</u>				
Existing Condition	Lane mile(s)	0.2	5.5	1.1	6.8
Post Condition	Lane mile(s)	6.8	0.0	0.0	6.8

4 07-LA-2 R18.7 5409 0718000181 35060	In the city of Los Angeles, near Eagle Rock at the Los Angeles Regional Transportation Management Center (LARTMC) at 2901 West Broadway. Update video wall in LARMTTC, upgrade networking equipment, and upgrade traffic management software.	22-23	PA&ED	\$632	Prior	\$632	Prior
		201.315	PS&E	\$1,942	Prior	\$1,942	Prior
			R/W Sup	\$53	Prior	\$53	Prior
			Con Sup	\$1,337	22-23	\$1,337	22-23
			R/W Cap	\$10	22-23	\$10	22-23
			<u>Const Cap</u>	<u>\$5,254</u>	22-23	\$5,019	22-23
	Total	\$9,228		\$8,993			

Performance Measure

0 Field element(s)

Note: Decrease of construction capital due to a reduced contingency as part of a refined scope and savings in traffic control items.

List of 2020 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 07-LA-105 R2.4 R1.8/R2.3 5507 0719000005 35510	Near Los Angeles International Airport (LAX), at three connector tunnels with Route 405. Replace existing lighting with Light Emitting Diode (LED) lighting and add Transportation Management System (TMS) elements. <u>Performance Measure</u> 1,100 Lighting fixture(s)	22-23 201.170	PA&ED	\$991	Prior	\$991	Prior
			PS&E	\$2,125	Prior	\$2,125	Prior
			R/W Sup	\$117	Prior	\$117	Prior
			Con Sup	\$4,549	22-23	\$4,000	22-23
			R/W Cap	\$20	22-23	\$17	22-23
			<u>Const Cap</u>	<u>\$22,164</u>	22-23	<u>\$20,731</u>	22-23
			Total	\$29,933		\$27,981	

Note: Decrease in construction capital, construction support, and R/W capital is due to an error in calculating escalation, which has been corrected. Update postmiles to capture entire scope of work.

Performance Measure: Highway Lighting Fixtures					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Each	0.0	0.0	1,100.0	1,100.0
Post Condition	Each	1,100.0	0.0	0.0	1,100.0

6 07-LA-405 17.6 5490 0718000307 35390	In Lawndale, at Route 107 at Hawthorne Undercrossing Bridge No.53-1231. Seismic retrofit of bridge and upgrade facilities to Americans with Disabilities Act (ADA) standards. <u>Performance Measure</u> 1 Bridge(s)	22-23 201.113	PA&ED	\$543	Prior	\$543	Prior
			PS&E	\$2,558	Prior	\$2,558	Prior
			R/W Sup	\$17	Prior	\$17	Prior
			Con Sup	\$2,154	22-23	\$1,926	22-23
			R/W Cap	\$47	22-23	\$43	22-23
			<u>Const Cap</u>	<u>\$4,664</u>	22-23	<u>\$3,536</u>	22-23
			Total	\$9,997		\$8,623	

Note: The previous strategy of constructing cast-in-place reinforced concrete panels and dowels in front of pier walls has been changed to a strategy of using columns with carbon fiber reinforced polymer casings. This change reduces both construction capital and support. Reduce R/W capital because less positive utility location work is needed under the new strategy.

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	45,682.0	45,682.0
Post Condition	Square feet	45,682.0	0.0	0.0	45,682.0

List of 2020 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 07-LA-710 6.0/14.1 5404 0718000167 34990	In Long Beach and Compton, from Shoreline Drive to north of Alondra Boulevard. Enhance highway worker safety by constructing Maintenance Vehicle Pullouts (MVPs), upgrading guardrail and end treatments, paving beyond the gore, installing erosion control, and replacing pull boxes.	23-24 201.235	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$716 \$1,864 \$91 \$2,064 \$75 \$4,160 \$8,970	Prior Prior Prior 23-24 23-24 23-24 23-24	\$716 \$1,864 \$91 \$1,915 \$96 \$4,582 \$9,264	Prior Prior Prior 23-24 23-24 23-24 23-24
	<u>Performance Measure</u> 58 Location(s) 51 Location(s)						

Note: Revise performance measures due to updated calculation guidance. Increase in construction capital because pavement work under structures was not previously accounted for. Reduce construction support because fewer working days will be needed. Increase in R/W capital due to additional utility conflicts identified.

8 08-Riv-Var 3012Q 0818000135 1J910	In Riverside County, on Routes 10, 15, 60, 62, 91, 111, and 215 at various locations; also in San Bernardino County, on Route 215 in Colton at Iowa Avenue (PM 0.2). Upgrade Changeable Message Signs (CMS), guardrail shielding, and construct Maintenance Vehicle Pullouts (MVPs).	22-23 201.315	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$863 \$1,463 \$65 \$2,527 \$42 \$7,160 \$12,120	Prior Prior Prior 22-23 22-23 22-23 22-23	\$863 \$1,463 \$65 \$2,300 \$46 \$6,658 \$11,395	Prior Prior Prior 22-23 22-23 22-23 22-23
	<u>Performance Measure</u> 24 Field element(s) 20 Field element(s)						

Note: Reduce construction capital and support because one CMS is being transferred to EA 1J700/PPNO 08-3012H for efficiency reasons. Increase in R/W capital for railroad fees.

Performance Measure: TMS Elements				
	Unit	Good (Operational)	Poor (Not Operational)	Quantity
Existing Condition	Field element(s)	0.0%	100.0%	20.0
Post Condition	Field element(s)	100.0%	0.0%	20.0

**List of 2020 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 11-SD-8 R23/R61.3 1194 1115000178 42210	In San Diego County, from 0.7 mile west of Flinn Springs Road Undercrossing to 0.2 mile east of Crestwood Road Undercrossing. Rehabilitate culverts and energy dissipaters.	20-21 201.151	PA&ED	\$1,077	Prior	\$1,077	Prior
			PS&E	\$1,246	Prior	\$1,246	Prior
			R/W Sup	\$319	Prior	\$319	Prior
			Con Sup	\$1,851	20-21	\$1,851	20-21
			R/W Cap	\$50	20-21	\$50	20-21
			<u>Const Cap</u>	\$0,850	20-21	\$8,550	20-21
			Total	\$13,393		\$13,093	
<u>Performance Measure</u> 20 Culvert(s)							

(Concurrent CONST and CON ENG allocation under Resolution FP-21-25; October 2021.)

Note: Split mitigation project EA 43146/PPNO 11-1465 from parent project EA 42210/PPNO 11-1194 for biological monitoring required by permitting agencies.

Performance Measure: Culverts (20 Each)					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Linear feet	0.0	3,319.0	4,419.0	7,738.0
Post Condition	Linear feet	7,738.0	0.0	0.0	7,738.0

10 11-SD-8 R23.0/R61.3 1465 1122000004 43146	In San Diego County, from 0.7 mile west of Flinn Springs Road Undercrossing to 0.2 mile east of Crestwood Road Undercrossing. Biological monitoring for project EA 42210.	24-25 201.151	PA&ED	\$0	
			PS&E	\$150	23-24
			R/W Sup	\$0	
			* Con Sup	\$100	24-25
			R/W Cap	\$0	
			* <u>Const Cap</u>	\$50	24-25
<u>Performance Measure</u> 0 Culvert(s)			Total	\$300	

* Phase NOT Programmed.

Note: Split mitigation project EA 43146/PPNO 11-1465 from parent project EA 42210/PPNO 11-1194 for biological monitoring required by permitting agencies.

**List of 2020 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 11-SD-125 12.9/22.3 1257 1116000061 42380	In and near La Mesa, El Cajon, Lemon Grove, and Santee, from the southern Route 94 Separation to Mission Gorge Road; also on Route 94 from the western Route 125 separation to the eastern Route 125 separation (PM R9.8/R10.6). Rehabilitate pavement by grinding and replacing concrete slabs and cold plane and overlay shoulders with Rubberized Hot Mix Asphalt (RHMA-G).	21-22 201.121	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$1,383 \$2,541 \$53 \$0 \$30 \$0 \$4,007	Prior Prior Prior 21-22 21-22 21-22 21-22	\$1,383 \$2,541 \$53 \$5,420 \$30 \$35,264 \$44,691	Prior Prior Prior 21-22 21-22 21-22

(G13 Contingency)

Performance Measure

49.5 Lane mile(s)

(Concurrent CONST and CON ENG allocation under Resolution FP-21-25; October 2021.)

Note: Fully program previously unfunded phases of this G13 Contingency project.

Performance Measure: Pavement		<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
	<u>Unit</u>				
Existing Condition	Lane mile(s)	0.0	49.1	0.4	49.5
Post Condition	Lane mile(s)	49.5	0.0	0.0	49.5

**List of 2020 SHOPP Amendments
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
12 12-Ora-91 6.4/R9.2 4506H 1220000025 0R313	In and near Anaheim, from La Palma Avenue to Route 55. Rehabilitate pavement, rehabilitate culverts, upgrade lighting, upgrade Transportation Management System (TMS) elements and make highway worker safety improvements. (G13 Contingency)	23-24 201.121	PA&ED PS&E R/W Sup * Con Sup R/W Cap * <u>Const Cap</u> Total	\$2,070 \$2,660 \$20 \$3,590 \$37 <u>\$37,060</u> \$45,437	Prior Prior Prior 23-24 23-24 23-24	\$2,070 \$2,660 \$20 \$3,590 \$9 <u>\$37,060</u> \$45,409	Prior Prior Prior 23-24 23-24 23-24

Performance Measure

18.9 Lane mile(s)

(Concurrent SB 1 Baseline Agreement approval under Resolution SHOPP-P-2122-02B; October 2021.)

* Phase NOT Programmed.

Note: Reduce R/W capital because updated utility mapping showed fewer conflicts.

Performance Measure: Pavement		<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
	<u>Unit</u>				
Existing Condition	Lane mile(s)	0.0	18.6	0.3	18.9
Post Condition	Lane mile(s)	18.9	0.0	0.0	18.9

List of 2020 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	Near Crescent City, at Last Chance Grade, from Wilson Creek Bridge to 3.8 miles north of Wilson Creek Bridge. Permanent roadway restoration and realignment. (Long Lead Project)	30-31	PA&ED	\$10,000	Prior	\$10,000	Prior
01-DN-101		201.131	PS&E	\$0		\$0	
12.0/15.5			R/W Sup	\$0		\$0	
1112			Con Sup	\$0		\$0	
0115000099			R/W Cap	\$105	30-31	\$205	30-31
0F280			<u>Const Cap</u>	<u>\$0</u>		<u>\$0</u>	
			Total				\$10,205

Performance Measure

1 Location(s)

Note: Increase in R/W capital is needed to fund a contract with the Yurok tribe to undertake an ethnographic study required for the environmental document.

2	Near Weott and Miranda, from north of Route 101 to 1.9 miles north of Holmes Flat Road at various locations. Rehabilitate culverts, reduce sediment loads to South Fork Eel River, and remove fish passage barriers. (Long Lead Project)	25-26	PA&ED	\$4,477	Prior	\$4,477	Prior
01-Hum-254		201.151	* PS&E	\$2,692	23-24	\$2,692	23-24
0.0/43.0			* R/W Sup	\$1,069	23-24	\$1,069	23-24
2484			* Con Sup	\$4,025	25-26	\$4,025	25-26
0117000140			* R/W Cap	\$700	25-26	\$700	25-26
0H240			* <u>Const Cap</u>	<u>\$23,757</u>	25-26	<u>\$23,757</u>	25-26
			Total				\$36,720

Performance Measure

~~44~~ Culvert(s)

55 Culvert(s)

* Phase NOT Programmed.

Note: Recent inspections and inventory updates have changed how culverts within the project limits are counted and measured, resulting in a performance measure update.

Performance Measure: Culverts (55 Each)					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Linear feet	30.0	548.0	2,345.0	2,923.0
Post Condition	Linear feet	2,948.0	0.0	0.0	2,948.0

List of 2020 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.

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Project ID
EA

Project Location and Description of Work
Performance Measure

FY
Program Code

Project Costs
(\$1,000)

3	Near Lucia, from 0.1 mile south to 0.2 mile north of	24-25	PA&ED	\$3,500	Prior	\$3,500	Prior
05-Mon-1	Limekiln Creek Bridge No. 44-0058. Replace bridge.	201.110	* PS&E	\$9,598	23-24	\$9,598	22-23
20.9/21.3			* R/W Sup	\$416	23-24	\$1,110	22-23
2524	(Long Lead Project)		* Con Sup	\$13,865	24-25	\$14,288	24-25
0514000004			* R/W Cap	\$704	24-25	\$3,319	24-25
1F510	<u>Performance Measure</u>		* <u>Const Cap</u>	\$64,644	24-25	\$76,200	24-25
	1 Bridge(s)		Total	\$92,727		\$108,015	

* Phase NOT Programmed.

Note: Increase in construction capital is due to change in design from a five span to two span bridge to reduce environmental impact. Increase in construction support is due to additional inspection necessary for specialized construction method. Increase in R/W cap and R/W sup are due to necessary closure of state park to prevent pedestrians from walking under work zone. Accelerate pre-construction schedule to align with completion of PA&ED.

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	19,536.0	19,536.0
Post Condition	Square feet	60,592.0	0.0	0.0	60,592.0

4	In and near the cities of Santa Barbara and Goleta,	25-26	PA&ED	\$3,325	Prior	\$3,325	Prior
05-SB-101	from south of Milpas Street Undercrossing to North	201.121	* PS&E	\$3,636	22-23	\$3,636	22-23
12.4/22.6	Fairview Avenue. Rehabilitate pavement, replace		* R/W Sup	\$346	22-23	\$346	22-23
2798	bridge rail and concrete barrier , seismic restoration,		* Con Sup	\$7,293	25-26	\$7,293	25-26
0518000085	install Transportation Management System (TMS)		* R/W Cap	\$266	25-26	\$266	25-26
1J900	elements, rehabilitate drainage systems, and		* <u>Const Cap</u>	\$47,815	25-26	\$54,815	25-26
	enhance highway worker safety.		Total	\$62,681		\$69,681	

(Long Lead Project)

Performance Measure
 56.6 Lane mile(s)

* Phase NOT Programmed.

Note: Update scope to include include necessary barrier work to improve worker safety. Increase in construction capital is due to added concrete barrier and increase in landscaping and drainage system cost estimates.

Performance Measure: Pavement					
	<u>Unit</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>
Existing Condition	Lane mile(s)	13.3	43.3	0.0	56.6
Post Condition	Lane mile(s)	56.6	0.0	0.0	56.6