

MEMORANDUM

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: October 9, 2019

From: STEVEN KECK, Chief Financial Officer

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

Prepared By: Bruce De Terra, Chief
Division of Transportation Programming

Subject: **SHOPP AMENDMENT 18H-012**

ISSUE:

Should the California Transportation Commission (Commission) approve the California Department of Transportation's (Department) request to amend the 2018 State Highway Operation and Protection Program (SHOPP) under SHOPP Amendment 18H-012

RECOMMENDATION:

The Department recommends that the Commission approve SHOPP Amendment 18H-012 that will amend the 2018 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 28 new capital projects be amended into the 2018 SHOPP, as detailed in Attachment 2.1a.(1a). These amendments, summarized below, would be funded from the Major Damage Restoration, Collision Reduction and 2018 SHOPP programming capacity. These projects are consistent with the Commission - adopted 2018 Transportation Asset Management Plan (TAMP).

| 2018 SHOPP Summary of New Projects by Category | No. | FY 2018-19 (\$1,000) | FY 2019-20 (\$1,000) | FY 2020-21 (\$1,000) | FY 2021-22 (\$1,000) |
|--|-----|-------------------------|-------------------------|-------------------------|-------------------------|
| Major Damage Restoration | 24 | \$43,125 | \$35,256 | \$0 | \$14,765 |
| Collision Reduction | 4 | \$1,680 | \$7,084 | \$4,190 | \$27,699 |
| Total New Amendments | 28 | \$44,805 | \$42,340 | \$4,190 | \$42,464 |

“Provide a safe, sustainable, integrated and efficient transportation system to enhance California’s economy and livability”

The Department further recommends that the capital projects, detailed in Attachment 2.a.(1d), and Attachment 2.a.(1f), be amended in the 2018 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

List of New 2018 SHOPP Capital Project Amendments

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work | FY | Project Costs (\$1,000) | | Program Code Leg./Congress. Dists. Perf. Meas. |
|--|---|-------|---|--|--|
| Major Damage Restoration | | | | | |
| 1 01-DN-199 33.5/33.9 1132 0119000055 0J570 | Near Idlewild, from Collier Tunnel to 0.4 mile east of Collier Tunnel. Remove aerial deposited lead and construct emergency power generator system. | 19-20 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$0 \$0 \$10 \$1,200 \$10 <u>\$5,000</u> \$6,220 | 201.130 Assembly: 2 Senate: 2 Congress: 2 1 Location(s) |
| 2 01-Lak-175 Var 3134 0120000008 OK090 | In Lake County, on Routes 175, 29, and 20, at various locations. Remove and dispose hazardous trees. | 19-20 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$0 \$0 \$25 \$450 \$25 <u>\$1,920</u> \$2,420 | 201.130 Assembly: 4 Senate: 2 Congress: 5 1 Location(s) |
| 3 01-Men-1 18.0/23.0 8511 0119000082 0J730 | Near Manchester, at Garcia River Bridge No. 10-0113, Brush Creek Bridge No. 10-0115, and Alder Creek Bridge 10-0116. Remove flood debris, repair scour and crib wall, and reconstruct structure embankment. | 19-20 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$0 \$0 \$25 \$700 \$50 <u>\$3,000</u> \$3,775 | 201.130 Assembly: 2 Senate: 2 Congress: 2 3 Location(s) |
| 4 02-Sis-96 36.9/37.2 3764 0219000153 0J720 | Near Happy Camp, from 2.5 miles east of Oak Flat Creek Bridge to 1.4 miles west of Benjamin Creek Road. Remove slide material, repair slope and pavement, and install rock fall protection. | 18-19 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$0 \$0 \$0 \$1,250 \$20 <u>\$4,000</u> \$5,270 | 201.130 Assembly: 1 Senate: 1 Congress: 1 1 Location(s) |
| 5 03-But-Var Var 2299 0319000266 0J350 | In Butte, Yuba, and Sutter Counties on Routes 65, 70, 99, 149 and 191, at various locations. Install Transportation Management System (TMS) field elements and vehicle pull outs for fire debris removal. | 18-19 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$0 \$0 \$20 \$500 \$0 <u>\$2,500</u> \$3,020 | 201.130 Assembly: 1, 3 Senate: 4 Congress: 1 1 Location(s) |

List of New 2018 SHOPP Capital Project Amendments

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work | FY | Project Costs (\$1,000) | | Program Code Leg./Congress. Dists. Perf. Meas. | | |
|---|---|----------|----------------------------|-----------------|---|---------|--|
| 6 03-Yub-70 R9.3 9827 0319000261 0J310 | Near Marysville, at Olivehurst Avenue Overcrossing No. 16-0036. High load bridge hit repair. | 18-19 | PA&ED | \$0 | 201.130 Assembly: 3 Senate: 4 Congress: 3 1 Location(s) | | |
| | | | PS&E | \$0 | | | |
| | | | R/W Sup | \$0 | | | |
| | | | Con Sup | \$400 | | | |
| | | | R/W Cap | \$0 | | | |
| | | | <u>Const Cap</u> | <u>\$1,800</u> | | | |
| | Total | \$2,200 | | | | | |
| 7 04-Ala-13 7.5 2030M 0419000307 4Q050 | In Oakland, at 0.1 mile north of Park Boulevard. Repair slope and drainage system. | 18-19 | PA&ED | \$0 | 201.130 Assembly: 15 Senate: 9 Congress: 13 1 Location(s) | | |
| | | | PS&E | \$0 | | | |
| | | | R/W Sup | \$0 | | | |
| | | | Con Sup | \$210 | | | |
| | | | R/W Cap | \$0 | | | |
| | | | <u>Const Cap</u> | <u>\$700</u> | | | |
| | Total | \$910 | | | | | |
| 8 04-Ala-84 M21.9 2031F 0419000370 4Q260 | Near Livermore, at 1.1 miles west of Ruby Hill Drive. Stabilize slope and repair drainage system. | 18-19 | PA&ED | \$0 | 201.130 Assembly: 20 Senate: 7 Congress: 15 1 Location(s) | | |
| | | | PS&E | \$1,500 | | | |
| | | | R/W Sup | \$350 | | | |
| | | | Con Sup | \$4,500 | | | |
| | | | R/W Cap | \$200 | | | |
| | | | <u>Const Cap</u> | <u>\$16,500</u> | | | |
| | Total | \$23,050 | | | | | |
| 9 04-Ala-580 R4.3 1461D 0417000401 0P120 | Near Livermore, at 0.3 mile west off Stonecut Underpass (PM R4.3L). Restore eroded embankment slope in the eastbound direction and install erosion control measures. | 21-22 | PA&ED | \$752 | 201.131 Assembly: 16 Senate: 7 Congress: 15 1 Location(s) | | |
| | | | PS&E | \$949 | | | |
| | | | R/W Sup | \$60 | | | |
| | | | Con Sup | \$1,201 | | | |
| | | | R/W Cap | \$50 | | | |
| | | | <u>Const Cap</u> | <u>\$3,140</u> | | | |
| | | | | Total | | \$6,152 | |
| | | | PA&ED: | 6/21/2021 | | | |
| | | | R/W: | 1/31/2022 | | | |
| | | | RTL: | 2/28/2022 | | | |
| BC: | 7/29/2022 | | | | | | |
| (Concurrent COS allocation under Resolution FP-19-24, October 2019.) | | | | | | | |

List of New 2018 SHOPP Capital Project Amendments

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work | FY | Project Costs (\$1,000) | | | Program Code Leg./Congress. Dists. Perf. Meas. |
|--|--|-------|---|--|--|--|
| 10 04-Ala-680 M2.1 2028M 0418000132 0Q680 | In Fremont, at the northbound offramp to Mission Boulevard. Stabilize storm damaged embankment. PA&ED: 12/1/2020 R/W: 2/28/2022 RTL: 3/31/2022 BC: 12/15/2022 | 21-22 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$750 \$885 \$60 \$1,033 \$5 <u>\$2,908</u> \$5,641 | 19-20 20-21 20-21 21-22 21-22 21-22 | 201.131 Assembly: 25 Senate: 10 Congress: 17 1 Location(s) |
| (Concurrent COS allocation under Resolution FP-19-24, October 2019.) | | | | | | |
| 11 04-Ala-880 28.6 2032H 0420000023 1AA90 | In Oakland, at the former Maintenance Station located at 1112 29th Avenue. Remediate soil vapor containing constituents of concern. | 19-20 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$0 \$0 \$0 \$860 \$0 <u>\$2,620</u> \$3,480 | 19-20 19-20 19-20 | 201.130 Assembly: 18 Senate: 9 Congress: 13 1 Location(s) |
| 12 04-Nap-12 2.1/2.6 2021F 04-18000137 0Q690 | Near the city of Napa, from 1.2 miles to 0.7 mile west of the Solano County line. Repair storm damaged slopes at two locations with Rock Slope Protection (RSP) and restore ditches. PA&ED: 11/10/2020 R/W: 5/5/2022 RTL: 6/10/2022 BC: 3/9/2023 | 21-22 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$308 \$320 \$150 \$400 \$134 <u>\$1,245</u> \$2,557 | 19-20 20-21 20-21 21-22 21-22 21-22 | 201.131 Assembly: 4 Senate: 3 Congress: 5 2 Location(s) |
| (Concurrent COS allocation under Resolution FP-19-24, October 2019.) | | | | | | |
| 13 04-SCI-101 38.1 0472F 0419000058 2Q840 | In San Jose, at Tenth Street and on Route 880 at First Street (PM 3.7). Repair pavement settlement, slope, and install drainage system. | 18-19 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$0 \$0 \$0 \$400 \$0 <u>\$1,300</u> \$1,700 | 18-19 18-19 18-19 | 201.130 Assembly: 25, 27 Senate: 15 Congress: 17, 19 2 Location(s) |

List of New 2018 SHOPP Capital Project Amendments

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work | FY | Project Costs (\$1,000) | | | Program Code Leg./Congress. Dists. Perf. Meas. |
|--|--|-------|----------------------------|-----------------|-------|--|
| 14 04-SM-1 36.2 2028H 0418000134 0Q670 | Near Montara, at south of 9th Street. Repair damaged storm drain and restore eroded embankment. PA&ED: 7/2/2021 R/W: 9/1/2022 RTL: 10/7/2022 BC: 4/10/2023 | 22-23 | PA&ED | \$418 | 19-20 | 201.131 |
| | | | PS&E | \$388 | 21-22 | Assembly: 22 |
| | | | R/W Sup | \$27 | 21-22 | Senate: 13 |
| | | | * Con Sup | \$373 | 22-23 | Congress: 14, 18 |
| | | | * R/W Cap | \$35 | 22-23 | |
| | | | * <u>Const Cap</u> | <u>\$1,400</u> | 22-23 | 1 Location(s) |
| | | | Total | \$2,641 | | |
| (Concurrent COS allocation under Resolution FP-19-24, October 2019.) | | | | | | |
| * Phase NOT Programmed. | | | | | | |
| 15 04-SM-1 39.0 2031K 0420000001 1AA00 | Near Pacifica, at the Thomas Lantos (Devil's Slide) Tunnels. Install emergency power system. | 19-20 | PA&ED | \$0 | | 201.130 |
| | | | PS&E | \$0 | | Assembly: 22 |
| | | | R/W Sup | \$0 | | Senate: 13 |
| | | | Con Sup | \$2,500 | 19-20 | Congress: 14 |
| | | | R/W Cap | \$0 | | |
| | | | <u>Const Cap</u> | <u>\$10,000</u> | 19-20 | 1 Location(s) |
| Total | \$12,500 | | | | | |
| 16 04-Son-1 22.6 2030P 0419000341 4Q100 | Near Jenner, at 1.1 miles north of La Porte Drive. Repair slipout and construct soldier pile wall. | 18-19 | PA&ED | \$0 | | 201.130 |
| | | | PS&E | \$150 | 18-19 | Assembly: 2 |
| | | | R/W Sup | \$50 | 18-19 | Senate: 2 |
| | | | Con Sup | \$1,000 | 18-19 | Congress: 2 |
| | | | R/W Cap | \$100 | 18-19 | |
| | | | <u>Const Cap</u> | <u>\$2,400</u> | 18-19 | 1 Location(s) |
| Total | \$3,700 | | | | | |
| 17 04-Son-1 24.2 1457L 0419000391 4Q420 | Near Jenner, at 0.2 mile north of Muniz Ranch Road. Repair slipout and construct soldier pile wall. | 18-19 | PA&ED | \$0 | | 201.130 |
| | | | PS&E | \$150 | 18-19 | Assembly: 2 |
| | | | R/W Sup | \$75 | 18-19 | Senate: 2 |
| | | | Con Sup | \$850 | 18-19 | Congress: 2 |
| | | | R/W Cap | \$100 | 18-19 | |
| | | | <u>Const Cap</u> | <u>\$2,100</u> | 18-19 | 1 Location(s) |
| Total | \$3,275 | | | | | |

List of New 2018 SHOPP Capital Project Amendments

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work | FY | Project Costs (\$1,000) | | | Program Code Leg./Congress. Dists. Perf. Meas. |
|--|---|-------|----------------------------|----------------|-------|--|
| 18 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. PA&ED: 12/1/2021 R/W: 4/1/2023 RTL: 5/1/2023 BC: 9/30/2023 | 22-23 | PA&ED | \$1,775 | 19-20 | 201.131 |
| | | | PS&E | \$1,883 | 21-22 | Assembly: 2 |
| | | | R/W Sup | \$204 | 21-22 | Senate: 2 |
| | | | * Con Sup | \$1,441 | 22-23 | Congress: 2 |
| | | | * R/W Cap | \$384 | 22-23 | |
| | | | * <u>Const Cap</u> | <u>\$5,980</u> | 22-23 | 1 Location(s) |
| | | | Total | \$11,667 | | |
| (Concurrent COS allocation under Resolution FP-19-24, October 2019.) | | | | | | |
| * Phase NOT Programmed. | | | | | | |
| 19 05-SLO-41 11.5 2998 0519000078 1M180 | Near Atascadero, at Los Altos Road. Replace failed culvert. | 19-20 | PA&ED | \$10 | 19-20 | 201.130 |
| | | | PS&E | \$25 | 19-20 | Assembly: 35 |
| | | | R/W Sup | \$5 | 19-20 | Senate: 17 |
| | | | Con Sup | \$110 | 19-20 | Congress: 24 |
| | | | R/W Cap | \$10 | 19-20 | |
| | | | <u>Const Cap</u> | <u>\$400</u> | 19-20 | 1 Location(s) |
| | | | Total | \$560 | | |
| 20 07-LA-1 1.4 5565 0719000250 1XM70 | In Long Beach, at 0.1 mile north of Loynes Drive Undercrossing. Repair pavement and failed drainage system. | 18-19 | PA&ED | \$0 | | 201.130 |
| | | | PS&E | \$0 | | Assembly: 70 |
| | | | R/W Sup | \$0 | | Senate: 34 |
| | | | Con Sup | \$200 | 18-19 | Congress: 47 |
| | | | R/W Cap | \$0 | | |
| | | | <u>Const Cap</u> | <u>\$500</u> | 18-19 | 1 Location(s) |
| | | | Total | \$700 | | |
| 21 07-LA-10 18.5 5593 0719000296 1XN40 | In Los Angeles, at State Street Overcrossing No. 53 -1328. Replace damaged bridge railing and fencing. | 18-19 | PA&ED | \$0 | | 201.130 |
| | | | PS&E | \$0 | | Assembly: 51, 53 |
| | | | R/W Sup | \$0 | | Senate: 24 |
| | | | Con Sup | \$250 | 18-19 | Congress: 34 |
| | | | R/W Cap | \$0 | | |
| | | | <u>Const Cap</u> | <u>\$730</u> | 18-19 | 1 Location(s) |
| | | | Total | \$980 | | |

List of New 2018 SHOPP Capital Project Amendments

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work | FY | Project Costs (\$1,000) | | | Program Code Leg./Congress. Dists. Perf. Meas. |
|---|---|-------|----------------------------|-----------------|-------|--|
| 22 07-Ven-150 17.9 5594 0720000006 1XN50 | In Ojai, at South Fulton Street. Replace failed culvert. | 19-20 | PA&ED | \$0 | | 201.130 |
| | | | PS&E | \$0 | | Assembly: 37 |
| | | | R/W Sup | \$0 | | Senate: 19 |
| | | | Con Sup | \$300 | 19-20 | Congress: 26 |
| | | | R/W Cap | \$0 | | |
| | | | <u>Const Cap</u> | <u>\$1,200</u> | 19-20 | 1 Location(s) |
| | | | Total | \$1,500 | | |
| 23 08-SBd-178 5.5/R12.0 3015V 0820000004 1L260 | Near Ridgecrest, from 2.4 miles west of Trona Road to 1.1 miles east of Salt Wells Canyon. Repair earthquake damaged roadway. | 19-20 | PA&ED | \$150 | 19-20 | 201.130 |
| | | | PS&E | \$180 | 19-20 | Assembly: 33 |
| | | | R/W Sup | \$100 | 19-20 | Senate: 16 |
| | | | Con Sup | \$850 | 19-20 | Congress: 8 |
| | | | R/W Cap | \$100 | 19-20 | |
| | | | <u>Const Cap</u> | <u>\$3,000</u> | 19-20 | 5 Location(s) |
| | | | Total | \$4,380 | | |
| 24 12-Ora-91 6.4 4570B 1220000002 0S240 | In Anaheim, at La Paloma Avenue Overcrossing No. 55-0418. High load bridge hit repair. | 19-20 | PA&ED | \$3 | 19-20 | 201.130 |
| | | | PS&E | \$10 | 19-20 | Assembly: 68 |
| | | | R/W Sup | \$0 | | Senate: 37 |
| | | | Con Sup | \$50 | 19-20 | Congress: 46 |
| | | | R/W Cap | \$0 | | |
| | | | <u>Const Cap</u> | <u>\$500</u> | 19-20 | 1 Location(s) |
| | | | Total | \$563 | | |
| Collision Reduction | | | | | | |
| 25 03-But-32 0.3/5.0 2116 0319000071 4H880 | Near Chico, from Gianella Road to Muir Avenue. Install lighting, widen shoulders, upgrade end treatments at bridge approaches, and rehabilitate culverts. | 21-22 | PA&ED | \$1,200 | 19-20 | 201.010 |
| | | | PS&E | \$2,000 | 20-21 | Assembly: 3 |
| | | | R/W Sup | \$350 | 20-21 | Senate: 4 |
| | | | Con Sup | \$1,700 | 21-22 | Congress: 1 |
| | | | R/W Cap | \$3,200 | 21-22 | |
| | | | <u>Const Cap</u> | <u>\$13,400</u> | 21-22 | 20 Collision(s) reduced |
| | | | Total | \$21,850 | | |
| | PA&ED: 1/17/2021 | | | | | |
| | R/W: 2/11/2022 | | | | | |
| | RTL: 2/26/2022 | | | | | |
| | BC: 7/22/2022 | | | | | |
| | (Concurrent COS allocation under Resolution FP-19-24, October 2019.) | | | | | |

List of New 2018 SHOPP Capital Project Amendments

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work | FY | Project Costs (\$1,000) | | | Program Code Leg./Congress. Dists. Perf. Meas. |
|--|--|-------|----------------------------|-----------------|-------|--|
| 26 03-ED-50 75.4/80.1 3469 0319000072 4H890 | In South Lake Tahoe, from Route 89 to Park Avenue. Install lighting, pedestrian signals at mid-block crossings, signs, and green bike lane treatment to improve safety for pedestrians and bicyclists. | 22-23 | PA&ED | \$1,610 | 19-20 | 201.010 |
| | | | PS&E | \$1,470 | 20-21 | Assembly: 5 |
| | | | R/W Sup | \$2,720 | 20-21 | Senate: 1 |
| | | | * Con Sup | \$2,920 | 22-23 | Congress: 4 |
| | | | * R/W Cap | \$970 | 22-23 | |
| | | | * <u>Const Cap</u> | <u>\$13,900</u> | 22-23 | 13 Collision(s) reduced |
| | | | Total | \$23,590 | | |
| | | | PA&ED: | 2/5/2021 | | |
| | | | R/W: | 6/1/2023 | | |
| | | | RTL: | 6/15/2023 | | |
| BC: | 10/12/2023 | | | | | |
| (Concurrent COS allocation under Resolution FP-19-24, October 2019.) | | | | | | |
| * Phase NOT Programmed. | | | | | | |
| 27 04-Ala-61 16.4/18.1 2025F 0418000404 2Q140 | In the cities of Oakland and Alameda, from Swan Road to Harbor Bay Parkway. Install new and upgrade existing guardrail in the northbound direction. | 22-23 | PA&ED | \$991 | 19-20 | 201.010 |
| | | | PS&E | \$904 | 21-22 | Assembly: 18 |
| | | | R/W Sup | \$127 | 21-22 | Senate: 9 |
| | | | * Con Sup | \$751 | 22-23 | Congress: 13 |
| | | | * R/W Cap | \$126 | 22-23 | |
| | | | * <u>Const Cap</u> | <u>\$1,281</u> | 22-23 | 19 Collision(s) reduced |
| | | | Total | \$4,180 | | |
| | | | PA&ED: | 6/30/2021 | | |
| | | | R/W: | 12/16/2022 | | |
| | | | RTL: | 12/30/2022 | | |
| BC: | 7/12/2023 | | | | | |
| (Concurrent COS allocation under Resolution FP-19-24, October 2019.) | | | | | | |
| * Phase NOT Programmed. | | | | | | |
| 28 04-SM-1 36.5/38.3 2021A 0418000123 0Q610 | Near Montara, from 0.1 mile south of 2nd Street to 0.3 mile south of Tom Lantos Tunnel. Install new standard safety barrier. | 23-24 | PA&ED | \$2,148 | 19-20 | 201.010 |
| | | | PS&E | \$2,672 | 21-22 | Assembly: 22 |
| | | | R/W Sup | \$59 | 21-22 | Senate: 13 |
| | | | * Con Sup | \$1,637 | 23-24 | Congress: 14 |
| | | | * R/W Cap | \$158 | 23-24 | |
| | | | * <u>Const Cap</u> | <u>\$6,949</u> | 23-24 | 13 Collision(s) reduced |
| | | | Total | \$13,623 | | |
| | | | PA&ED: | 11/1/2021 | | |
| | | | R/W: | 6/1/2023 | | |
| | | | RTL: | 7/6/2023 | | |
| BC: | 12/1/2023 | | | | | |
| (Concurrent COS allocation under Resolution FP-19-24, October 2019.) | | | | | | |
| * Phase NOT Programmed. | | | | | | |

**List of 2018 SHOPP Amendments
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work Performance Measure | FY Program Code | Project Costs (\$1,000) | | | | |
|--|--|--------------------|---|--|---|--|--|
| 1 01-Hum-101 79.8/84.7 84.4/84.8 2376 0113000091 0E000 | Near Eureka, at various locations from 0.2 miles south of Eureka Slough Bridge to 0.2 miles north of Gannon Slough Bridge from 0.1 mile south of Jacoby Creek Bridge No. 04-0023 to 0.1 mile north of Gannon Slough Bridge No. 04-0024. Upgrade bridge rails and replace bridge. | 18-19 201.112 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$1,480 \$1,514 \$63 \$2,000 \$287 <u>\$8,311</u> \$13,655 | Prior Prior Prior 18-19 18-19 18-19 18-19 | \$1,480 \$1,514 \$63 \$1,686 \$39 <u>\$7,896</u> \$12,678 | Prior Prior Prior 18-19 18-19 18-19 |

Performance Measure

~~582.0 Linear feet~~

609.0 Linear feet

(Concurrent CONST and CON ENG allocation under Resolution FP-19-22, October 2019.)

(Seven month time extension for CONST and CON ENG approved under Waiver 19-29; June 2019.)

Note: Split environmental mitigation work from this project into EA 0E001/PPNO 01-2376M to mitigate wetland impacts. Revise postmiles to correctly reflect the project limits. Update bridge rail quantity resulting from improved measurement accuracy.

| Performance Measure: Bridges (3 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 | 609.0 | 609.0 |
| Post Condition | Linear feet rail | 609.0 | 0.0 | 0.0 | 609.0 |

| | | | | | | | |
|--|---|------------------|---|---|---|---|--|
| 2 01-Hum-101 79.9/86.4 80.1/84.3 2418 0115000092 0F220 | In and near Eureka and Arcata, from south of Cole Avenue to north of Route 255 0.2 mile south of Jacobs Avenue to 0.4 mile north of Bayside Cutoff. Operational improvements. | 18-19 201.310 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$414 \$667 \$114 \$1,650 \$665 <u>\$8,517</u> \$12,027 | Prior Prior Prior 18-19 18-19 18-19 18-19 | \$414 \$667 \$114 \$1,392 \$84 <u>\$7,622</u> \$10,293 | Prior Prior Prior 18-19 18-19 18-19 |
|--|---|------------------|---|---|---|---|--|

(Concurrent CONST and CON ENG allocation under Resolution FP-19-22, October 2019.)

(Seven month time extension for CONST and CON ENG approved under Waiver 19-29; June 2019.)

Note: Split environmental mitigation work from this project into EA 0F221/PPNO 01-2418M to mitigate wetland impacts. Revise postmiles to correctly reflect the project limits.

**List of 2018 SHOPP Amendments
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work Performance Measure | FY Program Code | | Project Costs (\$1,000) | |
|--|---|--------------------|---|---|--|
| 3 01-Hum-101 79.9/86.3 2375M 0119000071 0C971 | In and near Eureka and Arcata, from Eureka Slough Bridge to 11th Street. Environmental mitigation for EA 0C970. <u>Performance Measure</u> 0 Collision(s) reduced | 19-20 201.015 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$0 \$154 \$41 \$268 \$1,125 <u>\$989</u> \$2,577 | 19-20 19-20 19-20 19-20 <u>19-20</u> |
| (Concurrent COS allocation under Resolution FP-19-24, October 2019.) | | | | | |

Note: Split environmental mitigation work from parent project EA 0C970/PPNO 01-2375 into this project to mitigate wetland impacts.

| | | | | | |
|--|--|------------------|---|---|--|
| 4 01-Hum-101 80.1/84.3 2418M 0119000072 0F221 | In and near Eureka and Arcata, from 0.2 mile south of Jacobs Avenue to 0.4 mile north of Bayside Cutoff. Environmental mitigation for operational improvement project EA 0F220. <u>Performance Measure</u> 0.0 Daily vehicle hour(s) of delay (DVHD) | 19-20 201.310 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$0 \$166 \$41 \$258 \$676 <u>\$593</u> \$1,734 | 19-20 19-20 19-20 19-20 <u>19-20</u> |
| (Concurrent COS allocation under Resolution FP-19-24, October 2019.) | | | | | |

Note: Split environmental mitigation work from parent project EA 0F220/PPNO 01-2418 into this project to mitigate wetland impacts.

**List of 2018 SHOPP Amendments
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work Performance Measure | FY Program Code | Project Costs (\$1,000) | | | | |
|--|--|--------------------|---|---|--|---|--|
| 5 01-Hum-101 80.8/87.8 79.9/86.3 2375 0113000094 0C970 | Near Eureka, from PMs 80.0 to 87.8: In and near Eureka and Arcata, from Eureka Slough Bridge to 11th Street. Upgrade metal beam guardrail. <u>Performance Measure</u> 30 Collision(s) reduced 46 Collision(s) reduced | 18-19 201.015 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$510 \$300 \$48 \$1,750 \$800 <u>\$6,307</u> \$9,745 | Prior Prior Prior 18-19 18-19 18-19 | \$510 \$300 \$48 \$1,482 \$33 \$4,765 \$7,138 | Prior Prior Prior 18-19 18-19 18-19 |

(Concurrent CONST and CON ENG allocation under Resolution FP-19-22, October 2019.)

(Seven month time extension for CONST and CON ENG approved under Waiver 19-29; June 2019.)

Note: Split environmental mitigation work from this project into EA 0C971/PPNO 01-2375M to mitigate wetland impacts. Revise postmiles to correctly reflect the project limits. Performance measures have been updated based on the most recent calculation guidelines.

| | | | | | |
|--|--|------------------|---|---|----------------------------------|
| 6 01-Hum-101 84.4/84.8 2376M 0119000070 0E001 | Near Eureka, from 0.1 mile south of Jacoby Creek Bridge No. 04-0023 to 0.1 mile north of Gannon Slough Bridge No. 04-0024. Environmental Mitigation for EA 0E000. <u>Performance Measure</u> 0.0 Linear feet | 19-20 201.112 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$0 \$106 \$41 \$314 \$275 <u>\$241</u> \$977 | 19-20 19-20 19-20 19-20 |
|--|--|------------------|---|---|----------------------------------|

(Concurrent COS allocation under Resolution FP-19-24, October 2019.)

Note: Split environmental mitigation work from parent project EA 0E000/PPNO 01-2376 into this project to mitigate wetland impacts.

**List of 2018 SHOPP Amendments
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work Performance Measure | FY Program Code | Project Costs (\$1,000) | | | | |
|--|---|--------------------|---|---|---|--|--|
| 7 01-Hum-101 88.3/88.6 2424 0115000043 0E890 | In Arcata, from north of Route 299/Route 101 Connector to 0.2 mile south of Guintoli Lane Overcrossing. Construct auxiliary lane to improve merging movements. | 21-22 201.310 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$1,008 \$1,329 \$90 \$1,546 \$45 \$4,098 \$8,086 | Prior 18-19 20-21 21-22 21-22 21-22 21-22 | \$1,008 \$1,329 \$90 \$1,546 \$532 \$4,098 \$8,603 | Prior 18-19 20-21 21-22 21-22 21-22 |
| | <u>Performance Measure</u> 36.0 Daily vehicle hour(s) of delay (DVHD) | | | | | | |

(Twenty month allocation time extension for PS&E approved under Waiver 19-29; June 2019.)

Note: Increase R/W capital due to additional utility relocations.

| | | | | | | | |
|---|---|------------------|---|---|---|---|--|
| 8 01-Hum-101 R90.1/109.6 2439 0116000067 0F820 | Near Trinidad, from 1.3 miles south of School Road to 0.4 mile north of Big Lagoon Bridge. Pavement rehabilitation. | 20-21 201.121 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$332 \$561 \$84 \$4,287 \$12 \$45,355 \$50,631 | Prior 19-20 19-20 20-21 20-21 20-21 20-21 | \$332 \$561 \$84 \$4,287 \$12 \$45,355 \$50,631 | Prior 19-20 19-20 20-21 20-21 20-21 |
| | <u>Performance Measure</u> 77.7 Lane mile(s) 76.9 Lane mile(s) | | | | | | |

(Concurrent SB 1 Baseline Agreement approval under Resolution SHOPP-P-1920-02B, October 21019.)

(Concurrent COS allocation under Resolution FP-19-24, October 2019.)

Note: Update performance measure based on the most recent pavement measurement guidelines.

| Performance Measure: Pavement | | <u>Good</u> | <u>Fair</u> | <u>Poor</u> | <u>Quantity</u> |
|-------------------------------|--------------|-------------|-------------|-------------|-----------------|
| | <u>Unit</u> | | | | |
| Existing Condition | Lane mile(s) | 14.0 | 62.9 | 0.0 | 76.9 |
| Post Condition | Lane mile(s) | 76.9 | 0.0 | 0.0 | 76.9 |

**List of 2018 SHOPP Amendments
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work Performance Measure | FY Program Code | Project Costs (\$1,000) | | | | |
|--|---|--------------------|---|---|---|--|--|
| 9 01-Hum-299 R16.1/R16.4 R16.1/R26.6 2378 0113000099 0E030 | Near Blue Lake, from 3.0 miles west to 7.5 miles east of Bair Road north of Simpson Road to north of Chezem Road at various locations. Install erosion control Storm Water Mitigation measures at three locations. | 19-20 201.335 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$425 \$880 \$89 \$648 \$19 \$3,008 \$5,069 | Prior Prior Prior 19-20 19-20 19-20 19-20 | \$425 \$880 \$89 \$573 \$19 \$2,623 \$4,609 | Prior Prior Prior 19-20 19-20 19-20 |
| | <u>Performance Measure</u> 14.3 Acre(s) treated/pollutant | | | | | | |
| | (Concurrent CONST and CON ENG allocation under Resolution FP-19-22, October 2019.) | | | | | | |

Note: Split environmental mitigation work from this project into EA 0E031/PPNO 01-2378M for long term revegetation. Revise postmiles to correctly reflect the project limits.

| | | | | | | | | |
|---|--|------------------|---|--|--|--|--|--|
| 10 01-Hum-299 R16.1/R26.6 2378M 0120000011 0E031 | Near Blue Lake, from 3.0 miles west to 7.5 miles east of Bair Road at various locations. Mitigation plant establishment for project EA 0E030. | 21-22 201.335 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$0 \$0 \$0 \$160 \$0 <u>\$300</u> \$460 | | | | |
| | <u>Performance Measure</u> 0.0 Acre(s) treated/pollutant | | | | | | | |

Note: Split environmental mitigation work from parent project EA 0E030/PPNO 01-2378 into this project for long term revegetation.

**List of 2018 SHOPP Amendments
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work Performance Measure | FY Program Code | Project Costs (\$1,000) | | | | |
|---|---|--------------------|---|---|---|--|--|
| 11 01-Men-162 11.5/11.8 4553 0114000035 0B530 | Near Dos Rios, from 1.4 to 1.7 miles east of Rodeo Creek Bridge. Construct soldier pile walls, shear pile wall, drainage galleries, and correct roadway profile. <u>Performance Measure</u> 1 Location(s) | 20-21 201.131 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$2,060 \$2,400 \$170 \$3,000 \$355 \$14,836 \$22,824 | Prior 18-19 18-19 20-21 20-21 20-21 20-21 | \$2,060 \$2,400 \$170 \$4,600 \$355 \$40,350 \$49,935 | Prior 18-19 18-19 20-21 20-21 20-21 |
| (Eleven month allocation time extension for PS&E and R/W Sup approved under Waiver 19-29; June 2019.) | | | | | | | |

Note: Recent structure and geotechnical studies at the landslide locations recommend a much longer and deeper soldier pile ground anchor wall than originally planned, resulting in an increase to construction capital and support costs.

| | | | | | | | |
|--|--|------------------|---|--|---|--|--|
| 12 02-Plu-70 36.8/R62.4 36.8/R62.5 3639 0216000043 1H790 | Near Quincy, at various locations from 0.3 0.2 mile west of Butterfly Valley Road to 0.2 0.1 mile west of Two Rivers Road; also on Route 89 near Greenville, from 0.9 mile north to 1.4 miles north of Wolf Creek Road (PM 25.1/25.3). Upgrade rock fall fence to reduce maintenance and highway worker exposure. <u>Performance Measure</u> 9 Location(s) 10 Location(s) | 20-21 201.235 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$350 \$450 \$20 \$450 \$40 <u>\$1,760</u> \$3,070 | Prior 19-20 Prior 20-21 20-21 20-21 20-21 | \$350 \$450 \$20 \$450 \$40 <u>\$1,760</u> \$3,070 | Prior 19-20 Prior 20-21 20-21 20-21 |
| (Concurrent COS allocation under Resolution FP-19-24, October 2019.) | | | | | | | |

Note: Adjust post miles and performance to include additional rock fence location that was damaged recently.

**List of 2018 SHOPP Amendments
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work Performance Measure | FY Program Code | Project Costs (\$1,000) | | | | |
|---|---|---|---|---|---|---|--|
| 13 02-Sha-5 R32-2 R32.0/R32.3 3630 0216000041 1H390 | Near Lakehead, at from 0.1 mile south to 0.3 mile north of O'Brien Undercrossing No. 06-0148L (PM R32.0L/R32.3L). Rehabilitate bridge deck with concrete overlay, upgrade bridge rails, and construct approach slabs. | 20-24 19-20 201.110 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$250 \$600 \$40 \$580 \$7 <u>\$2,215</u> \$3,692 | Prior Prior Prior 20-24 19-20 20-24 19-20 | \$250 \$600 \$40 \$580 \$7 <u>\$2,215</u> \$3,692 | Prior Prior Prior 19-20 19-20 19-20 |
| | <u>Performance Measure</u> 1 Bridge(s) | | | | | | |

(Concurrent CONST and CON ENG allocation under Resolution FP-19-22, October 2019.)

Note: Deliver project a year early as the environmental, right of way, and utility issues were less complex than expected. Update post miles to refine the project limits.

| Performance Measure: Bridges (1 bridge(s)) | | | | | |
|--|-------------|-------------|-------------|-------------|-----------------|
| | <u>Unit</u> | <u>Good</u> | <u>Fair</u> | <u>Poor</u> | <u>Quantity</u> |
| Existing Condition | Square feet | 0.0 | 4,951.0 | 0.0 | 4,951.0 |
| Post Condition | Square feet | 5,131.0 | 0.0 | 0.0 | 5,131.0 |

| | | | | | | | |
|---|--|---|---|--|--|--|---|
| 14 04-Nap-29 0.2/14.6 1496E 0416000040 0K000 | In and near the cities of American Canyon and Napa, from Kimberly Drive to Salvador Avenue. Upgrade curb ramps and pedestrian push buttons, and install new sidewalk to make facilities compliant with Americans with Disabilities Act (ADA) requirements. | 21-22 20-21 201.361 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$275 \$276 \$92 \$203 \$80 <u>\$989</u> \$1,915 | Prior 20-24 Prior 21-22 18-19 21-22 19-20 | \$275 \$276 \$92 \$203 \$80 <u>\$989</u> \$1,915 | Prior 19-20 Prior 20-21 18-19 20-21 |
| | <u>Performance Measure</u> 27 19 Curb ramp(s) | | | | | | |

(Concurrent COS allocation under Resolution FP-19-24, October 2019.)

Note: Accelerate project by one year due to early delivery of the environmental document. Change performance measure as the deleted curb ramps have been constructed under other projects (4A670, 4H200, and 2J100). Increase in electrical work negated the cost savings due to reduction of curb ramps.

**List of 2018 SHOPP Amendments
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work Performance Measure | FY Program Code | Project Costs (\$1,000) | | | | |
|--|---|--------------------|---|---|--|--|--|
| 15 04-SCI-82 18.2/26.4 1495G 0416000020 0K010 | In Sunnyvale, Mountain View, Los Altos, and Palo Alto, from Knickerbocker Drive to San Mateo County line. Upgrade pedestrian facilities to make compliant with the Americans with Disabilities Act (ADA) Standards. Replace pedestrian push buttons and signal heads with Accesible Pedestrian Signals (APS) and countdown timers, and refresh crosswalk markings to ehance pedestrian safety. | 21-22 201.361 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$1,300 \$1,600 \$706 \$1,600 \$1,614 \$6,193 \$13,013 | Prior 20-21 20-21 21-22 21-22 21-22 | \$1,300 \$1,700 \$706 \$1,713 \$1,614 \$7,793 \$14,826 | Prior 20-21 20-21 21-22 21-22 21-22 |

Performance Measure

14 Curb ramp(s)
2 Curb ramp(s)

Note: Increase in cost is to address the addition of pedestrian signal heads, push buttons and other pedestrian improvements from an overlapping project (04-0K080) to this project. Reduce performance measures as 12 curb ramps from this project were completed under another project (04-2G730) with an earlier delivery.

| | | | | | | | |
|---|---|------------------|---|--|--|--|---|
| 16 04-SCI-Var Var 1492E 0416000049 0K080 | On various routes, in various cities, at various locations. Replace pedestrian push-buttons and signal heads with Accessible Pedestrian Signals (APS) and countdown timers and refresh crosswalk markings to enhance pedestrian safety. | 21-22 201.015 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$939 \$1,244 \$36 \$1,417 \$23 \$10,711 \$14,367 | Prior 20-21 21-22 21-22 21-22 21-22 | \$939 \$1,141 \$36 \$1,304 \$23 \$9,111 \$12,554 | Prior 20-21 21-22 21-22 21-22 |
|---|---|------------------|---|--|--|--|---|

Performance Measure

30 Collision(s) reduced
61 Collision(s) reduced

Note: Cost decrease is due to the reduced scope of removing some pedestrian signal heads, push buttons and other pedestrian improvements from this project to an overlapping project (04-0K010). Performance measures have been updated based on the most recent calculation guidelines.

**List of 2018 SHOPP Amendments
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work Performance Measure | FY Program Code | Project Costs (\$1,000) | | | | |
|--|---|--------------------|---|--|---|--|--|
| 17 04-Son-101 9.0 0481B 0413000408 0J100 | Near Petaluma, north of Pepper Road. Repair slide and drainage system. <u>Performance Measure</u> 1 Location(s) | 18-19 201.131 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$423 \$850 \$150 \$850 \$850 <u>\$1,324</u> \$4,447 | Prior Prior Prior 18-19 18-19 18-19 18-19 | \$423 \$850 \$150 \$710 \$850 <u>\$1,324</u> \$4,307 | Prior Prior Prior 18-19 18-19 18-19 |
| | (Concurrent CONST and CON ENG allocation under Resolution FP-19-22, October 2019.) | | | | | | |
| | (Four month time extension for CONST and CON ENG approved under Waiver 19-29; June 2019.) | | | | | | |
| | Note: Split environmental mitigation work from this project into EA 0J101/PPNO 04-0481G to satisfy California Department of Fish and Wildlife (CDFW) funding assurance requirements. | | | | | | |
| 18 04-Son-101 9.0 0481G 0419000576 0J101 | Near Petaluma, north of Pepper Road. Environmental mitigation for project EA 0J100. <u>Performance Measure</u> 0 Location(s) | 20-21 201.131 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$0 \$0 \$0 \$140 \$0 <u>\$0</u> \$140 | | | 20-21 |
| | Note: Split environmental mitigation work from parent project EA 0J100/PPNO 04-0481B into this project to satisfy California Department of Fish and Wildlife (CDFW) funding assurance requirements. | | | | | | |

| 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 05-Mon-183 R8.4/R9.8 R8.4/9.8 2678 0516000118 1H650 | In Castroville from Del Monte Avenue to Washington Street, a multi-objective Asset Management Pilot Project. Rehabilitate pavement, repair bridge, construct storm drainage system improvements, construct Transportation Management System (TMS) elements, improve pedestrian, bicycle, and American with Disabilities Act (ADA) facilities. | 21-22 22-23 201.999 | PA&ED \$2,600 PS&E \$3,000 R/W Sup \$6,600 Con Sup \$3,200 R/W Cap \$2,300 Const Cap \$13,300 Total \$31,000 | Prior 20-21 20-21 21-22 21-22 21-22 | \$2,600 \$3,000 \$6,600 \$3,200 \$2,300 \$20,300 | Prior 20-21 20-21 22-23 22-23 22-23 | |

Performance Measure

1 Location(s)

Note: A recent evaluation of the current schedule has determined the environmental schedule for PA&ED is not achievable. Postponing PA&ED also postpones delivery of the project. The most recent estimate identifies that the current construction capital programmed amount is insufficient and is increasing due to changes in traffic, drainage, mobilization, pavement, and supplemental work.

| | | | | | | |
|--|---|------------------|--|--|--|---|
| 20 05-Mon-218 R0.2/L0.9 2648 0516000042 1H230 | In Seaside, from El Monte Road to Fremont Boulevard. Construct new sidewalks/upgrade pedestrian pathway and construct/upgrade curb ramps to meet current standards. | 21-22 201.361 | PA&ED \$630 PS&E \$1,269 R/W Sup \$1,016 Con Sup \$547 R/W Cap \$190 Const Cap \$1,122 Total \$4,774 | Prior Prior Prior 21-22 21-22 21-22 | \$630 \$1,269 \$1,016 \$547 \$417 \$1,238 | Prior Prior Prior 21-22 21-22 |
|--|---|------------------|--|--|--|---|

Performance Measure
 7 Curb ramp(s)
13 Curb ramp(s)

Note: Increase in R/W capital is necessary to obtain Temporary Construction Easements (TCEs) and relocate utilities that were not previously anticipated. Construction capital increase is due to drainage inlets needing modifications to match the new sidewalks and curb ramps. Signal poles also need modification to install accessible pedestrian signal equipment. The performance measure increase is due to six curb ramps previously not reported.

**List of 2018 SHOPP Amendments
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work Performance Measure | FY Program Code | Project Costs (\$1,000) | | | | |
|--|--|--------------------|---|--|--|--|--|
| 21 05-SB-154 22.9/23.2 2392 0512000141 1C420 | Near Lake Cachuma, at Cold Spring Canyon Bridge No. 51-0037. Install inspection access system below bridge and paint structure. <u>Performance Measure</u> 1 Bridge(s) | 20-21 201.110 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$1,100 \$1,500 \$75 \$4,500 \$50 <u>\$19,000</u> \$23,225 | Prior Prior Prior 20-21 19-20 20-21 | \$1,100 \$1,500 \$75 \$3,880 \$50 <u>\$19,000</u> \$25,605 | Prior Prior Prior 20-21 19-20 20-21 |

Note: Construction support increase is needed after a refinement in working days estimate was completed.

| 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 | 41,549.0 | 0.0 | 41,549.0 |
| Post Condition | Square feet | 41,549.0 | 0.0 | 0.0 | 41,549.0 |

| | | | | | | | |
|--|--|---|---|--|--|--|--|
| 22 06-Fre-198 Var 6921 0618000015 0X060 | In Fresno County, on Route 198 at various locations. Improve drainage facilities by repairing or replacing culverts. <u>Performance Measure</u> 102 Culvert(s) | 21-22 22-23 201.151 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$3,000 \$1,600 \$1,600 \$2,800 \$660 <u>\$14,900</u> \$24,560 | Prior 19-20 19-20 21-22 19-20 21-22 | \$3,000 \$1,600 \$1,600 \$2,800 \$660 <u>\$14,900</u> \$24,560 | Prior 19-20 19-20 22-23 19-20 22-23 |
|--|--|---|---|--|--|--|--|

Note: Additional time needed to allow for required lead times to complete environmental, design, and right of way activities.

| Performance Measure: Culverts (102 each) | | | | | |
|--|-------------|-------------|-------------|-------------|-----------------|
| | <u>Unit</u> | <u>Good</u> | <u>Fair</u> | <u>Poor</u> | <u>Quantity</u> |
| Existing Condition | Linear feet | 0.0 | 0.0 | 9,900.0 | 9,900.0 |
| Post Condition | Linear feet | 9,900.0 | 0.0 | 0.0 | 9,900.0 |

List of 2018 SHOPP Amendments (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work Performance Measure | FY Program Code | Project Costs (\$1,000) | | | | |
|--|--|---|---|---|--|--|--|
| 23 06-Ker-58 R53.2/R55.6 R53.4 6757 061500003 0T000 | In Bakersfield, from 0.2 mile west of H Street Overcrossing to 0.2 mile east of Cottonwood Road Undercrossing at H Street. Upgrade curb ramps to meet current Americans with Disabilities Act (ADA) Standards. | 20-21 21-22 201.361 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$407 \$1,064 \$865 \$775 \$100 \$3,226 \$6,437 | Prior Prior Prior 20-21 18-19 20-21 | \$407 \$1,064 \$865 \$594 \$100 \$1,590 \$4,620 | Prior Prior Prior 21-22 18-19 21-22 |
| | <u>Performance Measure</u> 25 Curb ramp(s) 7 Curb ramp(s) | | | | | | |

Note: Decrease in construction capital and support is due to reduction in performance measure. Four locations have been completed by one project, twelve locations will be constructed by other projects, and two locations are in the City's right of way. Delay construction year to align delivery with EA 0W150/PPNO 06-6871 and combine both projects for construction.

| | | | | | | | |
|--|---|---|---|--|---|--|---|
| 24 06-Ker-184 0.8/8.2 0.8/8.6 6803 061600001 0U290 | Near Bakersfield, from south of Hickory Lane Dunsmere Street to north of Brundage Lane Breckenridge Road. Upgrade Americans with Disabilities Act (ADA) curb ramps, install bike lanes, cold plane pavement, place Hot Mix Asphalt (HMA) and Rubberized Hot Mix Asphalt (RHMA) pavement. | 21-22 22-23 201.120 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$2,425 \$3,475 \$2,630 \$3,750 \$2,230 \$17,700 \$31,910 | Prior 20-21 20-21 20-21 20-21 20-21 | \$2,425 \$3,000 \$2,200 \$3,400 \$2,230 \$17,700 \$30,955 | Prior 20-21 20-21 22-23 22-23 22-23 |
| | <u>Performance Measure</u> 19.3 Lane mile(s) 21.6 Lane mile(s) | | | | | | |

Note: Increase limits of work to include an additional railroad signal. This segment was previously in EA 0U430/PPNO 06-6798 but now included in this project as it already had railroad involvement. Support cost reduction is due to using the new approved escalation rates.

| Performance Measure: Pavement | | Good | Fair | Poor | Quantity |
|-------------------------------|--------------|------|------|------|----------|
| | Unit | | | | |
| Existing Condition | Lane mile(s) | 8.0 | 12.7 | 0.9 | 21.6 |
| Post Condition | Lane mile(s) | 21.6 | 0.0 | 0.0 | 21.6 |

**List of 2018 SHOPP Amendments
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work Performance Measure | FY Program Code | Project Costs (\$1,000) | | | | | |
|---|--|---|---|--|---|--|---|--|
| 25 06-Ker-184 0-1/12-1 8.5/11.6 6798 0616000033 0U430 | In and near Bakersfield, from 0.2 0.1 mile south north of Edison Highway to Route 178 0.1 mile north of Chase Avenue . Upgrade Americans with Disabilities Act (ADA) curbs and barrier railing, widen shoulders, cold plane pavement, place Hot Mix Asphalt (HMA) and Rubberized Hot Mix Asphalt (RHMA) pavement to rehabilitate roadway. | 20-21 21-22 201.120 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$1,020 \$1,520 \$50 \$1,600 \$350 <u>\$7,600</u> \$12,140 | Prior 18-19 18-19 20-21 20-21 20-21 20-21 | \$1,020 \$1,520 \$50 \$1,600 \$350 <u>\$7,600</u> \$12,140 | Prior 18-19 18-19 21-22 21-22 21-22 21-22 | |

Performance Measure

~~41.0 Lane mile(s)~~

8.8 Lane mile(s)

(Nineteen month allocation time extension for PS&E and R/W Sup approved under Waiver 19-29; June 2019.)

Note: Delay delivery year due to additional time required to complete environmental clearance and allow time for utility relocation. Reduction in performance measure is due to reducing the limits of the project. The southern four-tenths of a mile will be completed by project EA 0U290/PPNO 06-6803, the last half mile of project limits will be improved by project EA 06-0F350.

| Performance Measure: Pavement | | <u>Good</u> | <u>Fair</u> | <u>Poor</u> | <u>Quantity</u> |
|-------------------------------|-----------------------------|-------------|-------------|-------------|-----------------|
| Existing Condition | <u>Unit</u> Lane mile(s) | 0.7 | 7.8 | 0.3 | 8.8 |
| Post Condition | Lane mile(s) | 8.8 | 0.0 | 0.0 | 8.8 |

List of 2018 SHOPP Amendments (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work Performance Measure | FY Program Code | Project Costs (\$1,000) | | | | |
|--|---|--------------------|----------------------------|----------------|-------|----------------|-------|
| 26 06-Tul-99 Var 6788 0615000295 0U270 | In and near Pixley, at Avenue 48 Overcrossing (OC) No. 46-0165 (PM 6.2), Davis Avenue OC No. 46-0172 (PM 12.6), and Avenue 100 OC No. 46-0173 (PM 12.8). Upgrade bridge railing to current standards and install approach railings. | 20-21 201.112 | PA&ED | \$740 | Prior | \$740 | Prior |
| | | | PS&E | \$1,122 | 19-20 | \$1,122 | 19-20 |
| | | | R/W Sup | \$30 | 19-20 | \$30 | 19-20 |
| | | | Con Sup | \$1,048 | 20-21 | \$1,048 | 20-21 |
| | | | R/W Cap | \$108 | 19-20 | \$108 | 19-20 |
| | | | <u>Const Cap</u> | <u>\$2,126</u> | 20-21 | <u>\$4,200</u> | 20-21 |
| | | | Total | \$5,168 | | \$7,248 | |
| | <u>Performance Measure</u> 1,493.0 Linear feet | | | | | | |

(Concurrent COS allocation under Resolution FP-19-24, October 2019.)

Note: Construction capital increase is due to updated cost estimate reflecting current market pricing and an increase in higher priced safety components not required at time of programming.

| Performance Measure: Bridges (3 bridge(s)) | | | | | |
|--|------------------|---------|------|---------|----------|
| | Unit | Good | Fair | Poor | Quantity |
| Existing Condition | Linear feet rail | 0.0 | 0.0 | 1,493.0 | 1,493.0 |
| Post Condition | Linear feet rail | 1,493.0 | 0.0 | 0.0 | 1,493.0 |

| | | | | | | | |
|--|---|------------------|------------------|---------------------|-------|------------------|-------|
| 27 07-LA-14 R60.7/R77.0 4887 0715000194 31600 | In and near Palmdale and Lancaster, from Avenue P -8 to the Kern County line. Replace distressed lanes/shoulders, cold plane and overlay ramps, upgrade guardrail, dikes, sign panels, curb ramps and traffic loop detectors. | 20-21 201.122 | PA&ED | \$3,000 | Prior | \$3,000 | Prior |
| | | | PS&E | \$21,200 | Prior | \$21,200 | Prior |
| | | | R/W Sup | \$280 | Prior | \$280 | Prior |
| | | | Con Sup | \$25,800 | 20-21 | \$18,600 | 20-21 |
| | | | R/W Cap | \$210 | 20-21 | \$210 | 20-21 |
| | | | <u>Const Cap</u> | <u>\$126,660</u> | 20-21 | <u>\$126,660</u> | 20-21 |
| | | | Total | \$177,150 | | \$169,950 | |
| | <u>Performance Measure</u> 95.9 Lane mile(s) 79.9 Lane mile(s) | | | | | | |

(Concurrent SB 1 Baseline Agreement approval under Resolution SHOPP-P-1920-02B, October 2019.)

Note: Revise performance in line with more recent pavement survey data. The previous performance measure was erroneously taken from a different project. Reduce construction support because less days will be needed for construction.

| Performance Measure: Pavement | | | | | |
|-------------------------------|--------------|------|------|------|----------|
| | Unit | Good | Fair | Poor | Quantity |
| Existing Condition | Lane mile(s) | 22.7 | 56.2 | 1.0 | 79.9 |
| Post Condition | Lane mile(s) | 79.9 | 0.0 | 0.0 | 79.9 |

**List of 2018 SHOPP Amendments
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work Performance Measure | FY Program Code | Project Costs (\$1,000) | | | | |
|--|---|--------------------|----------------------------|--------------------|-------|----------------|-------|
| 28 07-LA-107 0.0/4.8 4749B 0718000318 30702 | In Torrance, from Route 1 to Redondo Beach Boulevard. Construct curb ramps and reconstruct driveways/sidewalks to meet Americans with Disabilities Act (ADA) Standards. | 21-22 201.361 | PA&ED | \$0 | | \$0 | |
| | | | PS&E | \$714 | Prior | \$714 | Prior |
| | | | R/W Sup | \$244 | Prior | \$244 | Prior |
| | | | Con Sup | \$1,750 | 21-22 | \$1,750 | 21-22 |
| | | | R/W Cap | \$3,850 | 21-22 | \$3,850 | 21-22 |
| | <u>Performance Measure</u> | | <u>Const Cap</u> | \$2,850 | 21-22 | \$2,950 | 21-22 |
| | 68 Curb ramp(s) | | Total | \$9,408 | | \$9,508 | |
| | 71 Curb ramp(s) | | | | | | |

Note: Increase performance due to adding three curb ramps from EA 30701/PPNO 07-4749. Increase construction capital to cover the additional curb ramp work.

| | | | | | | | |
|--|--|------------------|--------------------|---------------------|-------|-----------------|-------|
| 29 07-LA-605 R0.0/R10.2 R0.0/R10.4 4979 0716000033 32030 | In various cities, from Orange County line to 0.1 mile north of Telegraph Road; also on Route 91 from 0.2 mile west of Route 605 to Route 605 (PM R16.63/R16.83) . Pavement rehabilitation consisting of full structural section replacement and damaged slab replacement. Cold plane and overlay Rubberized Hot Mix Asphalt (RHMA-G) on right shoulders and apply High Friction Surface Treatment (HFST) onramps and connectors. (G13 Contingency) | 21-22 201.122 | PA&ED | \$1,960 | Prior | \$1,960 | Prior |
| | | | PS&E | \$8,100 | Prior | \$8,100 | Prior |
| | | | R/W Sup | \$150 | Prior | \$150 | Prior |
| | | | * Con Sup | \$14,620 | 21-22 | \$13,620 | 21-22 |
| | | | R/W Cap | \$25 | 21-22 | \$590 | 21-22 |
| | | | * <u>Const Cap</u> | \$46,000 | 21-22 | \$49,434 | 21-22 |
| | | | Total | \$70,855 | | \$73,854 | |

Performance Measure

~~79.9 Lane mile(s)~~

95.8 Lane mile(s)

(Concurrent SB 1 Baseline Agreement approval under Resolution SHOPP-P-1920-02B, October 2019.)

* Phase NOT Programmed.

Note: Decrease in construction support is due to efficiencies in construction staging work. Increase in R/W capital is for additional potholing. Increase in construction capital is due to additional HFST and curb ramps, and increased cost in traffic handling. Postmile limits have been changed on Route 605 to match a future pavement project, and on Route 91 to rehabilitate additional connectors. Performance is corrected from an earlier clerical error.

| Performance Measure: Pavement | | Good | Fair | Poor | Quantity |
|-------------------------------|--------------|------|------|------|----------|
| | Unit | | | | |
| Existing Condition | Lane mile(s) | 31.4 | 62.4 | 2.0 | 95.8 |
| Post Condition | Lane mile(s) | 95.8 | 0.0 | 0.0 | 95.8 |

**List of 2018 SHOPP Amendments
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work Performance Measure | FY Program Code | Project Costs (\$1,000) | | | | |
|---|---|--------------------|---|--|---|--|--|
| 30 07-Ven-150 R13.3/19.0 5014 0716000069 32370 | In and near Ojai; and Mira Monte and Meiners Oaks, from Burham Road to Gorham Road; also on Route 33 from 33/150 Junction to Meiners Road. Cold plane and overlay pavement, upgrade guardrail and signs. | 20-21 201.121 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$600 \$1,500 \$250 \$1,700 \$221 <u>\$5,588</u> \$9,859 | Prior 19-20 19-20 20-21 20-21 20-21 20-21 | \$600 \$1,500 \$250 \$1,700 \$221 <u>\$5,588</u> \$9,859 | Prior 19-20 19-20 20-21 20-21 20-21 |
| | <u>Performance Measure</u> 45.6 Lane mile(s) 11.4 Lane mile(s) | | | | | | |

Note: Remove project work from Route 33, as it will be completed by maintenance project EA 07-4W590. Costs will not change because of increased prices for concrete, guardrail, and asphalt.

| | | | | | |
|-------------------------------|--------------|-------------|-------------|-------------|-----------------|
| 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 | 11.4 | 0.0 | 11.4 |
| Post Condition | Lane mile(s) | 11.4 | 0.0 | 0.0 | 11.4 |

| | | | | | | | |
|--|---|------------------|---|--|---|--|--|
| 31 08-SBd-138 R15.0/R15.4 R14.8/R15.1 3010W 0817000138 1H820 | Near Hesperia, from Cajon Boulevard to the Route 15 southbound offramp 0.1 mile west to 0.2 mile east of Cajon Creek Bridge; also on Route 15, at 0.2 mile north of Route 138 (PM R21.6). Install traffic signals, realign Cajon Boulevard, widen southbound offramp, add left turn lane, and construct curb ramps. | 21-22 201.010 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$570 \$1,160 \$255 \$1,050 \$685 <u>\$2,488</u> \$6,208 | Prior Prior Prior 21-22 21-22 21-22 21-22 | \$570 \$1,160 \$255 \$1,050 \$685 <u>\$2,488</u> \$6,208 | Prior Prior Prior 21-22 21-22 21-22 |
| | <u>Performance Measure</u> 10 Collision(s) reduced | | | | | | |

Note: Update postmiles and description to accommodate a flashing beacon into the project scope that will give advance warning to drivers approaching the proposed signalized intersection.

**List of 2018 SHOPP Amendments
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work Performance Measure | FY Program Code | Project Costs (\$1,000) | | | |
|--|---|--------------------|---|---|---|--|
| 32 10-Ama-88 6-2 3418 1018000075 1J050 | Near lone, at Buena Vista Road. Improve safety by constructing a roundabout. <u>Performance Measure</u> 34 Collision(s) reduced | 21-22 201.010 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$1,390 \$1,679 \$494 \$1,503 \$1,022 <u>\$6,067</u> \$12,152 | Prior 20-21 20-21 21-22 21-22 21-22 21-22 | |

Note: Delete project because a traffic signal will be installed at the intersection via an Encroachment Permit.

| | | | | | | |
|--|--|------------------|---|---|---|--|
| 33 10-SJ-12 17.4/18.1 3254 1017000016 1G510 | In Lodi, from Stockton Street to Route 99. Upgrade pedestrian facilities to make compliant with the Americans with Disabilities Act (ADA) Standards. <u>Performance Measure</u> 48 Curb ramp(s) 11 Curb ramp(s) | 21-22 201.361 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$286 \$770 \$915 \$560 \$479 <u>\$850</u> \$3,860 | Prior Prior Prior 21-22 Prior 21-22 21-22 | \$286 \$770 \$915 \$637 \$479 \$2,066 \$5,153 |
|--|--|------------------|---|---|---|--|

Note: Update in performance measure is due to seven private driveways which were incorrectly identified as curb ramps. Construction capital increase is due to a cost increase for electrical items, curb ramps, and traffic enforcement during construction. Construction support increase is due to new estimate in amount of working days requiring 120 versus the previously estimated 60 days to complete the work.

| | | | | | | | |
|---|---|---------|------------------|---------------------------|-------|-----------------------|-------|
| 34 10-SJ-120 R0.6/R6.1 3230 1017000021 1C960 | In and near Manteca and Lathrop, from Route 5 to Route 99; also on Route 5 at PM R13.34 and on Route 99 at PM 4.56. Install fiber optic cable as part of the Transportation Management System (TMS). Intelligent Transportation System (ITS) field elements. | 20-21 | PA&ED | \$373 | Prior | \$373 | Prior |
| | | 201.315 | PS&E | \$1,221 | Prior | \$1,221 | Prior |
| | | | R/W Sup | \$5 | Prior | \$5 | Prior |
| | | | Con Sup | \$1,124 | 20-21 | \$1,375 | 20-21 |
| | | | R/W Cap | \$68 | 20-21 | \$68 | 20-21 |
| | | | <u>Const Cap</u> | <u>\$3,550</u> | 20-21 | <u>\$4,500</u> | 20-21 |
| | | | Total | \$6,338 | | \$7,542 | |

Performance Measure

~~59~~ Field element(s)

0 Field element(s)

Note: Decrease in performance measure as the project scope is to install fiber optic cable. The scope of project has not changed. Construction capital increase is due to directional boring necessary to avoid utility installation in bridge structures. Additional working days to perform the work require an increase in construction support.

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

| | | | | | | | |
|--|--|---------|------------------|---------------------------|-------|-----------------------|-------|
| 35 10-Sta-132 27.2/28.0 3241 1017000013 1G420 | In Waterford, from Reinway Avenue to F Street. Upgrade pedestrian facilities to make compliant with the Americans with Disabilities Act (ADA) Standards. | 21-22 | PA&ED | \$683 | Prior | \$683 | Prior |
| | | 201.361 | PS&E | \$1,337 | Prior | \$1,337 | Prior |
| | | | R/W Sup | \$723 | Prior | \$723 | Prior |
| | | | Con Sup | \$718 | 21-22 | \$718 | 21-22 |
| | | | R/W Cap | \$84 | Prior | \$84 | Prior |
| | | | <u>Const Cap</u> | <u>\$2,000</u> | 21-22 | <u>\$2,854</u> | 21-22 |
| | | | Total | \$5,545 | | \$6,399 | |

Note: Update performance measure to include ten additional curb ramps and account for four curb ramps that were not previously counted. Construction capital increase is due to a revision in pavement section design and an increase in additional line item cost.

**List of 2018 SHOPP Amendments
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work Performance Measure | FY Program Code | Project Costs (\$1,000) | | | | |
|--|---|---|---|--|---|---|----------------------------------|
| 36 11-Imp-98 32.1/32.5 1240 1117000021 42780 | In Calexico, from Ollie Avenue to Rockwood Avenue. Construct and upgrade pedestrian curb ramps. <u>Performance Measure</u> 22 Curb ramp(s) | 21-22 19-20 201.361 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$169 \$650 \$0 \$664 \$0 \$2,141 \$3,621 | Prior Prior 19-20 21-22 21-22 21-22 | \$169 \$650 \$0 \$1,361 \$0 \$1,441 \$3,621 | Prior Prior 19-20 19-20 |

Note: Update construction support and construction capital amounts to reflect latest estimates. Accelerate project in order to combine with STIP EA 08028/PPNO 11-1258 for construction under EA 08028, Project ID 1117000085.

| | | | | | | | |
|--|--|------------------|---|---|--|---|---|
| 37 11-SD-5 R30.2/R34.2 R30.0/R34.3 1218 1116000125 42650 | In the city of San Diego, from 0.5 mile north of Genesee Avenue Sorrento Valley Road to 0.2 mile north of Del Mar Heights Road . Construct rumble strips on both shoulders, rehabilitate bike path, and install fiber optic cable/Closed Circuit Television (CCTV) and rehabilitate 48 inch culvert. Asset Management Pilot Project. | 20-21 201.999 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$471 \$1,304 \$40 \$678 \$0 \$3,824 \$6,317 | Prior Prior 19-20 20-21 20-21 20-21 | \$471 \$1,304 \$40 \$678 \$0 \$3,824 \$6,317 | Prior Prior 19-20 20-21 20-21 |
|--|--|------------------|---|---|--|---|---|

Performance Measure

1 Location(s)

Note: Change postmile limits to match extent of fiber optic work. Change project description to reflect removed culvert work, which was replaced by maintenance project EA 11-2N036.

| | | | | | | | |
|--|---|------------------|---|--|---|--|----------------------------------|
| 38 11-SD-8 13.0/R20.4 13.4/R20.4 1146 1119000177 4116U | In El Cajon, at various locations, from Grossmont Boulevard to 0.4 mile east of Los Coches Road. Construct Maintenance Vehicle Pullouts (MVPs), pave beyond gore areas, install sign post support systems, relocate irrigation controllers and reduce high maintenance landscaping. | 20-21 201.235 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$444 \$1,202 \$0 \$1,122 \$0 \$5,356 \$8,124 | Prior Prior 20-21 20-21 20-21 | \$444 \$1,202 \$0 \$1,122 \$0 \$5,356 \$8,124 | Prior Prior 20-21 20-21 |
|--|---|------------------|---|--|---|--|----------------------------------|

Performance Measure

84 Location(s)

Note: Correct postmile to reflect revised work limits.

**List of 2018 SHOPP Amendments
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work Performance Measure | FY Program Code | Project Costs (\$1,000) | | | | |
|---|---|--------------------|---|--|---|--|----------------------------------|
| 39 11-SD-52 0.4/5.5 0.4/5.7 1219 1112000155 41180 | In the city of San Diego, from 0.1 mile east of Route 5 to 0.4 0.2 mile east of Convoy Street; also on Route 805 from 0.2 mile south of Route 52 to Governor Drive (PM 23.5/24.4). Construct Maintenance Vehicle Pullouts (MVPs), pave slopes under bridge structures, pave narrow areas, upgrade irrigation controllers, replace signs, and pave beyond gores. | 20-21 201.235 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$394 \$1,118 \$0 \$539 \$0 <u>\$3,296</u> \$5,347 | Prior Prior 20-21 20-21 20-21 | \$394 \$1,118 \$0 \$539 \$0 <u>\$3,296</u> \$5,347 | Prior Prior 20-21 20-21 |

Performance Measure

~~28 Location(s)~~
52 Location(s)

Note: Update performance measure and project limits to account for additional maintenance needs that were identified during the project report development.

| | | | | | | | |
|--|--|------------------|---|--|---|--|----------------------------------|
| 40 11-SD-125 9.6/13.2 1141 1112000143 41140 | In the cities of Lemon Grove and San Diego, from 0.1 mile south of Elkeltan Place Undercrossing to Route 94/125 Separation. Construct Maintenance Vehicle Pullouts (MVPs), pave beyond gore areas, replace crash cushions, replace guardrail with concrete barrier , install access gates, add smart irrigation controllers , relocate irrigation equipment and remove high maintenance landscaping. | 20-21 201.235 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$431 \$864 \$0 \$1,660 \$0 <u>\$5,074</u> \$8,029 | Prior Prior 20-21 20-21 20-21 | \$431 \$864 \$0 \$1,660 \$0 <u>\$5,074</u> \$8,029 | Prior Prior 20-21 20-21 |
|--|--|------------------|---|--|---|--|----------------------------------|

Performance Measure

~~403 Location(s)~~
109 Location(s)

Note: Update performance measure to include six smart remote irrigation controllers which were added to the project to further reduce maintenance visits. A planned concrete barrier was not needed for the project after evaluation, so the project cost will not change from adding the irrigation controllers.

**List of 2018 SHOPP Amendments
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work Performance Measure | FY Program Code | Project Costs (\$1,000) | | | | | |
|---|---|--------------------|---|---|---|---|--|--|
| 41 11-SD-125 43.0/22.3 12.9/22.3 1257 1116000061 42380 | In and near Near La Mesa, El Cajon, Lemon Grove, and in Santee, from 0.2 mile south of the southern Route 125/94 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 \$3,863 \$252 <u>\$34,185</u> \$42,277 | Prior 19-20 19-20 21-22 21-22 21-22 21-22 | \$1,383 \$2,541 \$53 \$3,863 \$252 <u>\$34,185</u> \$42,277 | Prior 19-20 19-20 21-22 21-22 21-22 | |

Performance Measure

49.5 Lane mile(s)

Note: Update postmiles and description to better describe project limits.

| 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 | 49.1 | 0.4 | 49.5 |
| Post Condition | Lane mile(s) | 49.5 | 0.0 | 0.0 | 49.5 |

| | | | | | | | |
|---|---|------------------|---|---|---|--|----------------------------------|
| 42 11-SD-Var Var 1200 1116000094 42490 | At various locations, on Routes 5, 8, 15, 52, 54, 56, 67, 75, 76, 78, 94, 125, 163, 805 and 905. Upgrade and install curve warning signs. | 20-21 201.015 | PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total | \$498 \$561 \$0 \$497 \$0 <u>\$2,350</u> \$3,906 | Prior Prior 20-21 20-21 20-21 | \$498 \$561 \$0 \$850 \$0 <u>\$4,350</u> \$6,259 | Prior Prior 20-21 20-21 |
|---|---|------------------|---|---|---|--|----------------------------------|

Performance Measure

~~30 Collision(s) reduced~~

29 Collision(s) reduced

Note: Update construction cost to cover an additional 500 signs needing replacement. Update performance measure to use the current calculation guidelines.

List of 2018 SHOPP Long Lead Project Amendments

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

| Project No. Dist-Co-Rte PM PPNO Project ID EA | Project Location and Description of Work Performance Measure | FY Program Code | Project Costs (\$1,000) | | | | |
|--|--|---|---|---|---|---|---|
| 1 01-Hum-101 M53.9 2301B 0116000148 0A111 | In Rio Dell, at Eel River Bridge No. 04-0016R. Seismic retrofit. (Long Lead Project) | 22-23 24-25 201.113 | PA&ED * PS&E * R/W Sup * Con Sup * R/W Cap * <u>Const Cap</u> Total | \$5,433 \$5,113 \$216 \$4,632 \$44 <u>\$26,813</u> \$42,251 | Prior 20-24 20-24 22-23 22-23 22-23 22-23 | \$5,433 \$5,113 \$216 \$4,632 \$44 <u>\$26,813</u> \$42,251 | Prior 22-23 22-23 24-25 24-25 24-25 24-25 |

* Phase NOT Programmed.

Note: More recent studies identified a substantial cost increase for this project. Additional time is needed to refine the design concept and cost estimate. In order to accommodate the large cost increase, the project is being delayed into a year with available fiscal capacity.

| Performance Measure: Bridges (1 bridge(s)) | | | | | |
|--|-------------|----------|------|----------|----------|
| | Unit | Good | Fair | Poor | Quantity |
| Existing Condition | Square feet | 0.0 | 0.0 | 64,314.0 | 64,314.0 |
| Post Condition | Square feet | 64,314.0 | 0.0 | 0.0 | 64,314.0 |

| | | | | | | |
|--|--|-----------------------------|---|---|---|--|
| 2 02-Sis-96 R7.9/R9.4 3622 0216000035 1H780 | Near Somes Bar, from 0.6 mile east to 1.3 miles east of Irving Creek Bridge at Stanshaw Creek (PM R8.2); also, from 1.6 miles east of Irving Creek Bridge to 1.6 miles west of Ti Creek Bridge at Sandy Bar Creek (PM 9.1). Replace deteriorated large-diameter culverts with natural-bottom structures; reduce fish passage barriers, and adjust new approaches. (Long Lead Project) | 23-24 201.110 | PA&ED * PS&E * R/W Sup * Con Sup * R/W Cap * <u>Const Cap</u> Total | \$1,910 \$2,730 \$170 \$4,660 \$37 <u>\$16,830</u> \$26,337 | Prior 21-22 21-22 23-24 23-24 23-24 23-24 | |
| | <u>Performance Measure</u> 2 Bridge(s) | | | | | |

* Phase NOT Programmed.

Note: Delete project. More extensive field evaluations determined that the passage benefits would be less than anticipated. The deteriorated culverts will be addressed with future projects.

List of 2018 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 05-SLO-1 0.0/0.3 2650 0516000074 1H440 | Near Guadalupe, at the Santa Maria River Bridge No. 49-0042; also in Santa Barbara County (PM 50.3/50.6). The bridge is scour critical and needs to be replaced. The existing bridge will be used for traffic handling during construction and then demolished. The highway will need to be realigned as a result of the new bridge location. The new bridge will provide standard lane and shoulder widths and include a protected walkway. (Long Lead Project) | 22-23 201.110 | PA&ED \$2,294 Prior \$2,294 Prior * PS&E \$4,290 19-20 \$4,290 20-21 * R/W Sup \$455 19-20 \$455 20-21 * Con Sup \$9,660 22-23 \$9,660 22-23 * R/W Cap \$530 22-23 \$530 22-23 * <u>Const Cap</u> \$28,461 22-23 \$33,880 22-23 Total \$45,690 \$51,109 |

Performance Measure

1 Bridge(s)

* Phase NOT Programmed.

Note: Construction capital increase is due to updated cost estimate reflecting current market pricing for structure and roadway work.

| Performance Measure: Bridges (1 bridge(s)) | | | | | |
|--|-------------|-------------|-------------|-------------|-----------------|
| | <u>Unit</u> | <u>Good</u> | <u>Fair</u> | <u>Poor</u> | <u>Quantity</u> |
| Existing Condition | Square feet | 0.0 | 0.0 | 39,826.0 | 39,826.0 |
| Post Condition | Square feet | 39,826.0 | 0.0 | 0.0 | 39,826.0 |

| | | | |
|--|--|------------------|---|
| 4 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. (Long Lead Project) | 23-24 201.120 | PA&ED \$20,000 Prior \$20,000 Prior * PS&E \$21,000 21-22 \$18,000 21-22 * R/W Sup \$4,000 21-22 \$1,800 21-22 * Con Sup \$39,000 23-24 \$36,500 23-24 * R/W Cap \$34,000 21-22 \$34,000 23-24 * <u>Const Cap</u> \$257,000 23-24 \$257,000 23-24 Total \$375,000 \$367,300 |
|--|--|------------------|---|

Performance Measure

18.9 Lane mile(s)

* Phase NOT Programmed.

Note: Decrease in PS&E, R/W support, and construction support are a result of a revision to resource hours using the current design proposal. R/W capital is delayed two years to align with construction allocation.

| 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 |