State of California
DEPARTMENT OF TRANSPORTATION

California State Transportation Agency

Memorandum

TAB 79

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: August 27, 2015

Reference No.: 2.5b.(1)
Action Item

PASSED BY CTC AUG 27 2015 CALIFORNIA TRANSPORTATION COMMISSION

From: NORMA ORTEGA
Chief Financial Officer

Prepared by: Steven Keck, Chief
Division of
Budgets

Subject: **FINANCIAL ALLOCATION FOR SHOPP PROJECTS RESOLUTION FP-15-02**

RECOMMENDATION:

The California Department of Transportation (Department) recommends the California Transportation Commission allocate $313,071,000 for 47 projects programmed in the 2014 State Highway Operation and Protection Program (SHOPP) and ~~$539,481,000~~ $535,869,000 for ~~62~~ 61 additional projects amended into the SHOPP by Department action.

ISSUE:

The attached vote list describes ~~109~~ 108 SHOPP projects totaling ~~$852,552,000~~ $848,979,000 programmed in Fiscal Year 2014-15. The Department is ready to proceed with these projects and is requesting an allocation at this time.

FINANCIAL RESOLUTION:

Resolved, that ~~$852,552,000~~ $848,979,000 be allocated from the Budget Act of 2014, Budget Act Items 2660-302-0042 and 2660-302-0890, for ~~109~~ 108 SHOPP projects described on the attached vote list.

The Department has complied with the National Environmental Policy Act and the California Environmental Quality Act requirements in preparing these projects.

Attachment

2.5 Highway Financial Matters

Project # / Allocation Amount / County / Dist-Co-Rte / Postmile	Location / Project Description	PPNO / Program/Year / Prgm'd Amount / Project ID / Adv Phase / EA	Budget Year / Item # / Fund Type / Program Code	Amount by Fund Type
2.5b.(1a) SHOPP Projects				**Resolution FP-15-02**
1 $2,000,000 Del Norte 01-DN-199 24.6	Near Patrick Creek, at 2.6 miles north of Patrick Creek Road. Outcome/Output: Construct a soldier-pile retaining wall and reconstruct roadway at one location to permanently restore storm damaged slip-out and retaining wall failure. Preliminary Engineering: PA&ED $300,000 / $256,702; PS&E $900,000 / $570,857; R/W Supp $10,000 / $2,313 (Construction Support: $650,000)	01-1082 SHOPP/14-15 $3,000,000 0112000116 4 0B320	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.131	$229,000 $1,771,000
2 $261,000 Lake 01-Lak-29 0.2	Near Middletown, at St. Helena Creek Bridge No.14 -0052. Outcome/Output: Mitigate in-stream bridge pier scour by placing rock slope protection at piers and along bank to prevent further erosion and foundation undermining. Preliminary Engineering: PA&ED $71,000 / $400,661; PS&E $75,000 / $140,648; R/W Supp $16,000 / $2,557 (Construction Support: $219,000)	01-3087 SHOPP/14-15 $300,000 0112000022 4 38560	2014-15 302-0042 SHA 20.20.201.119	$261,000
3 $1,249,000 Mendocino 01-Men-1 2.3/2.5	Near Gualala, from 0.1 to 0.3 mile north of Big Gulch Road. Outcome/Output: Construct soldier-pile tie-back retaining wall, provide drainage system improvements, and reconstruct roadway to permanently restore storm damage slip-out, drainage system failure and utility water line break. Preliminary Engineering: PA&ED $250,000 / $289,429; PS&E $425,000 / $518,403; R/W Supp $25,000 / $17,013 (Construction Support: $460,000)	01-4513 SHOPP/14-15 $1,830,000 0100020262 4 49771	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.131	$25,000 $1,224,000
4 $371,000 Mendocino 01-Men-1 35.7	Near Elk, at 1.8 miles north of Philo Greenwood Road. Outcome/Output: Permanently restore storm damage roadway slip-out at one location by constructing a rock buttress and overside drain. Preliminary Engineering: PA&ED $110,000 / $125,923; PS&E $200,000 / $313,252; R/W Supp $60,000 / $59,487 (Construction Support: $120,000)	01-4547 SHOPP/14-15 $320,000 0112000131 4 0B470	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.131	$43,000 $328,000

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2.5b.(1a) SHOPP Projects				**Resolution FP-15-02**
5 $2,762,000 Mendocino 01-Men-128 2.8/11.1	Near Navarro, from 2.8 miles east of Route 1 to 0.5 mile west of Flynn Creek Bridge at various locations. Outcome/Output: Rehabilitate 51 deteriorated or under-sized drainage systems by replacing. Preliminary Engineering / Programmed / Expended PA&ED $742,000 $741,919 PS&E $2,000,000 $2,610,687 R/W Supp $475,000 $434,289 (Construction Support: $937,000)	01-4506 SHOPP/14-15 $3,388,000 0100000137 4 37817	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.151	$55,000 $2,707,000
6 $20,600,000 Modoc 02-Mod-139 R10.7/28.0	Near Newell, from 0.1 mile north of Boles Road to 0.1 mile south of Perez Road. Outcome/Output: Rehabilitate 34.6 lane miles of pavement, improve drainage, and increase clear recovery zone width to improve safety and ride quality. Preliminary Engineering / Programmed / Expended PA&ED $610,000 $815,486 PS&E $990,000 $232,340 R/W Supp $190,000 $7,154 (Construction Support: $1,880,000)	02-3466 SHOPP/14-15 $18,293,000 0200020285 4 4E440	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.120	$412,000 $20,188,000
7 $13,142,000 Shasta 02-Sha-5 R29.3/R31.1	Near O'Brien, at Sidehill Viaduct No. 06-0042L; also near Lakehead at Dog Creek Bridge No. 06-0027 (PM R45.0/R45.3). Outcome/Output: Seismic retrofit of two deficient structures to withstand maximum credible earthquake event by constructing new sidehill viaduct structure on new alignment and seismic retrofitting columns and foundations at Dog Creek Bridge. Preliminary Engineering / Programmed / Expended PA&ED $671,000 $2,238,247 PS&E $1,278,000 $2,321,796 R/W Supp $52,000 $40,090 (Construction Support: $4,090,000) (Additional contribution: $12,000,000 from Office of Traffic Safety (OTS))	02-3346 SHOPP/14-15 $10,951,000 0200000016 4 0E090	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.113	$263,000 $12,879,000
8 $6,612,000 Glenn 03-Gle-5 R24.8/R28.6	In and near Orland, from County Road 16 Overcrossing to County Road 3 Overcrossing at various locations. Outcome/Output: Lower roadway profile to improve vertical clearance at 3 locations to meet policy requirements for state highway extra legal permit loads (SHELL) routes. Preliminary Engineering / Programmed / Expended PA&ED $580,000 $337,469 PS&E $1,275,000 $873,970 R/W Supp $620,000 $7,731 (Construction Support: $1,600,000)	03-3707 SHOPP/14-15 $6,715,000 0312000075 4 0F370	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.322	$132,000 $6,480,000

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2.5b.(1a) SHOPP Projects				**Resolution FP-15-02**
9 $1,301,000 Sacramento 03-Sac-99 6.8	Near Elk Grove, at 0.1 mile south of Badger Creek Bridge. Outcome/Output: Replace aging Weigh in Motion (WIM) station sensors and controller, raise cabinet, replace and lengthen concrete slab, and widen shoulder for maintenance vehicle pull-out at one location. Preliminary Engineering: PA&ED $62,000 / $100,038; PS&E $139,000 / $153,645; R/W Supp $37,000 / $1,583 (Construction Support: $500,000)	03-6903 SHOPP/14-15 $1,360,000 0313000143 4 3F640	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.321	$26,000 $1,275,000
10 $1,820,000 Yolo 03-Yol-50 0.4/0.6	In West Sacramento, 0.4 mile west of the westbound Route 80 on-ramp onto eastbound Route 50. Outcome/Output: Remove existing Weigh in Motion (WIM) system and relocate new sensors and cabinet at an adjacent location with new concrete pavement. New location and smooth pavement will provide better data away from existing lane drop. Preliminary Engineering: PA&ED $74,000 / $108,347; PS&E $220,000 / $66,562; R/W Supp $42,000 / $4,281 (Construction Support: $500,000)	03-8742 SHOPP/14-15 $1,836,000 0313000151 4 3F690	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.321	$36,000 $1,784,000
11 $5,820,000 Alameda 04-Ala-580 R4.0	Near Livermore, 2.0 miles east of North Flynn Road at Stonecut Underpass. Outcome/Output: Construct 600 foot soldier-pile retaining wall below roadway to address slide and failure of the roadway. Also, reconstruct the eastbound outside shoulder and adjacent lanes, improve drainage systems, and replace guardrails with concrete barriers. Preliminary Engineering: PA&ED $750,000 / $842,648; PS&E $1,000,000 / $482,444; R/W Supp $80,000 / $1,809 (Construction Support: $1,200,000)	04-0102R SHOPP/14-15 $6,100,000 0412000008 4 2G850	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.131	$116,000 $5,704,000
12 $11,015,000 Alameda 04-Ala-580 R4.9/R5.6	Near Livermore, 1.1 mile to 0.4 mile east of North Flynn Road. Outcome/Output: Construct 1200 foot soldier-pile retaining wall, reconstruct inside shoulder and adjacent lane, and correct roadway cross-slope settlement caused by median slope slip-out. Also, improve drainage system, and replace guardrail with concrete barriers. Preliminary Engineering: PA&ED $765,000 / $820,673; PS&E $1,300,000 / $600,173; R/W Supp $50,000 / $3,173 (Construction Support: $1,300,000)	04-0105A SHOPP/14-15 $10,500,000 0400020869 4 1SS03	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.131	$220,000 $10,795,000

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2.5b.(1a) SHOPP Projects				**Resolution FP-15-02**
13 $2,808,000 Alameda 04-Ala-580 R41.4/46.1	In Oakland, from Fruitvale Avenue to Hollis Street; also on Route 24 at Westbound off-ramp to Market Street (PM R2.1). Outcome/Output: Resurface ramps with asphalt to extend pavement service life and improve ride quality. Also, upgrade guardrail, modify drainage inlets, and upgrade 12 curb ramps to Americas with Disabilities Act (ADA) standards. Preliminary Engineering: PA&ED $38,000 / $100,610; PS&E $500,000 / $925,090; R/W Supp $38,000 / $24,591 (Construction Support: $550,000)	04-0133T SHOPP/14-15 $2,726,000 0414000054 4 4H222	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.121	$56,000 $2,752,000
14 $15,520,000 Alameda 04-Ala-580 46.0/46.8	In Oakland, at Route 80/580/880 Separation Distribution Structure Bridge No. 33-0061L/R. Outcome/Output: Clean and paint structural steal girders, replace and upgrade electrical equipment, install Traffic Operation System (TOS) elements, and replace structural sign panels to rehabilitate two structures. Preliminary Engineering: PA&ED $5,000 / $0; PS&E $2,800,000 / $3,244,478; R/W Supp $250,000 / $92,021 (Construction Support: $3,000,000)	04-0159Q SHOPP/14-15 $15,520,000 0412000347 4 1A672	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.110	$310,000 $15,210,000
15 $3,987,000 Contra Costa 04-CC-680 R10.5/R11.0	Near Alamo, from 0.2 mile north of Stove Valley Road to 0.3 mile south of Livorna Road. Outcome/Output: Repair storm damage slide behind southbound sound wall by removing slide material, installing a rock buttress and anchored wire mesh system. Preliminary Engineering: PA&ED $480,000 / $101,083; PS&E $720,000 / $857,834; R/W Supp $50,000 / $58,525 (Construction Support: $720,000)	04-0277Q SHOPP/14-15 $4,714,000 0412000606 4 1SS47	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.131	$80,000 $3,907,000
16 $6,540,000 Marin 04-Mrn-101 1.5/14.0	In and near Sausalito, Corte Madera, Larkspur and San Rafael, at various bridge locations. Outcome/Output: Upgrade to new standard bridge railing at six structures. Preliminary Engineering: PA&ED $1,210,000 / $456,893; PS&E $1,100,000 / $1,695,071; R/W Supp $200,000 / $18,323 (Construction Support: $1,000,000) Additional contributions: $4,000,000 Office of Traffic Safety (OTS) federal grant.	04-0832E SHOPP/14-15 $6,480,000 0412000480 4 4G460	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.112	$131,000 $6,409,000

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2.5b.(1a) SHOPP Projects				**Resolution FP-15-02**
17 $1,660,000 Santa Clara 04-SCl-9 3.6	Near Saratoga, at West Branch Saratoga Creek Bridge No. 37-0073; also near Los Gatos at Saratoga Avenue Separation Bridge No. 37-0144 (PM 11.4). Outcome/Output: Replace existing bridge rails and upgrade to current standards at two locations. Preliminary Engineering: PA&ED Programmed $450,000 Expended $279,449; PS&E $540,000 $944,576; R/W Supp $100,000 $92,001 (Construction Support: $500,000)	04-0385C SHOPP/14-15 $1,660,000 0412000162 4 1A340	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.112	$33,000 $1,627,000
18 $2,028,000 San Francisco 04-SF-101 1.6/4.1	In the City and County of San Francisco, on Routes 101 and 280; also on Route 101 in Marin County at various locations. Outcome/Output: Construct maintenance vehicle pull-out areas and pave gore areas at nine locations to improve maintenance workers safety. Preliminary Engineering: PA&ED Programmed $140,000 Expended $244,718; PS&E $600,000 $798,822; R/W Supp $40,000 $6,980 (Construction Support: $600,000)	04-8315U SHOPP/14-15 $2,000,000 0412000155 4 3G700	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.235	$41,000 $1,987,000
19 $4,658,000 San Mateo 04-SM-84 21.6	In Woodside, at Route 280 on the north side of the on-ramp to northbound 280. Outcome/Output: Construct 650 foot secant retaining wall to stabilize storm damaged slope, and repair travel-way pavement cracking. Preliminary Engineering: PA&ED Programmed $450,000 Expended $375,550; PS&E $1,030,000 $1,325,762; R/W Supp $180,000 $79,442 (Construction Support: $1,100,000)	04-0653R SHOPP/14-15 $4,900,000 0412000622 4 4G640	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.131	$93,000 $4,565,000
20 $759,000 Sonoma 04-Son-101 33.5	In and near Healdsburg, at 0.1 mile south of Grant Avenue undercrossing. Outcome/Output: Repair storm damaged embankment slope slip-out by injecting high density polyurethane grout into southbound departure slab and shoulder to strengthen soil and fill voids. Also, replace nonfunctioning drainage system and curb. Preliminary Engineering: PA&ED Programmed $350,000 Expended $332,613; PS&E $235,000 $112,507; R/W Supp $25,000 $0 (Construction Support: $230,000)	04-0797K SHOPP/14-15 $758,000 0412000519 4 1SS36	2014-15 302-0042 SHA 20.20.201.131	$759,000

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2.5b.(1a) SHOPP Projects				**Resolution FP-15-02**
21 $3,049,000 Sonoma 04-Son-116 15.0	Near Guerneville, at Mays Canyon Road. Outcome/Output: Construct 163 feet of soldier-pile retaining wall to address storm damage embankment failure. Also, construct 150 feet of concrete barrier. Preliminary Engineering / Programmed / Expended PA&ED $1,000,000 $1,018,321 PS&E $1,200,000 $1,636,850 R/W Supp $200,000 $124,838 (Construction Support: $1,000,000)	04-0816G SHOPP/14-15 $3,216,000 0400001215 4 4S190	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.131	$61,000 $2,988,000
22 $18,489,000 Monterey 05-Mon-68 R17.4/R18.0	Near Salinas, from 0.2 mile east of Reservation Road to Spreckels Boulevard. Outcome/Output: Seismically upgrade and strengthen pier and abutment footings, reinforce pier columns, reconstruct approach and departure slabs, widen shoulders, and upgrade bridge guardrails. This project upgrades two bridges. Preliminary Engineering / Programmed / Expended PA&ED $1,229,000 $1,449,635 PS&E $2,751,000 $2,363,814 R/W Supp $243,000 $119,110 (Construction Support: $3,674,000)	05-7000 SHOPP/14-15 $19,100,000 0500000049 4 0F700	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.114	$370,000 $18,119,000
23 $2,623,000 Monterey 05-Mon-101 R39.5/R73.0	Near Salinas, on Route 101; also on Route 68 (PM 15.0/R19.5) at various locations. Outcome/Output: Provide aesthetically treated contrast surface treatment to gore and slope paving areas; construct Maintenance Vehicle Pullouts, place vegetation control measures around sign posts and guardrails, upgrade guardrails, relocate electrical boxes, and upgrade crash cushion system at 162 locations to improve maintenance worker safety. Preliminary Engineering / Programmed / Expended PA&ED $245,000 $433,270 PS&E $450,000 $409,466 R/W Supp $5,000 $2,226 (Construction Support: $792,000)	05-2357 SHOPP/14-15 $2,209,000 0512000073 4 1C090	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.235	$52,000 $2,571,000
24 $1,822,000 San Luis Obispo 05-SLO-1 17.7/59.0	Near the cities of San Luis Obispo and Morro Bay, from Highland Drive to 1.2 miles north of Hearst Castle Road. Outcome/Output: Install rumble strips, restripe shoulders and centerline, repair failed shoulder areas, and install loop detectors. This project is necessary to reduce the number and severity of collisions. Preliminary Engineering / Programmed / Expended PA&ED $281,000 $292,076 PS&E $540,000 $519,104 R/W Supp $5,000 $2,701 (Construction Support: $526,000)	05-2377 SHOPP/14-15 $2,655,000 0512000106 4 1C240	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.015	$36,000 $1,786,000

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2.5b.(1a) SHOPP Projects				**Resolution FP-15-02**
25 $16,149,000 Los Angeles 07-LA-5 13.8/19.2	In and near the city of Los Angeles, from Route 710 to Main Street. Outcome/Output: Rehabilitate 35.3 lane miles of pavement by replacing the existing pavement with rapid strength concrete, repairing or replacing structure approach slabs, installing new guardrails and other related works. The project will extend pavement service life and improve ride quality. Preliminary Engineering: PA&ED $130,000 (Expended $84,346); PS&E $1,000,000 ($1,684,301); R/W Supp $17,000 ($0) (Construction Support: $2,000,000)	07-4679 SHOPP/14-15 $13,900,000 0713000492 4 30070	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.121	$323,000 $15,826,000
26 $5,300,000 Los Angeles 07-LA-5 18.4/36.3	In the city of Los Angeles, from Route 10 to Route 170. Outcome/Output: Storm water mitigation treating 11.98 acres. Project restores receiving water bodies to water quality required by the regulatory agencies. Preliminary Engineering: PA&ED $897,000 ($4,827); PS&E $1,310,000 ($2,663,711); R/W Supp $121,000 ($0) (Construction Support: $1,310,000)	07-3858 SHOPP/14-15 $12,125,000 0712000102 4 25840	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.335	$106,000 $5,194,000
27 $7,563,000 Los Angeles 07-LA-39 31.0/33.0	In the Angeles National Forest, on San Gabriel Canyon Road at Bridge No. 53-2245. Outcome/Output: Replace the existing bridge on the same alignment to mitigate a scouring problem and preserve the integrity of the structure. Preliminary Engineering: PA&ED $300,000 ($0); PS&E $1,850,000 ($2,041,743); R/W Supp $10,000 ($47) (Construction Support: $1,200,000)	07-3917 SHOPP/14-15 $6,310,000 0700000488 4 26040	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.111	$151,000 $7,412,000
28 $10,650,000 Los Angeles 07-LA-47 0.9/2.0	In the city of Los Angeles, at Vincent Thomas Bridge No. 53-1471. Outcome/Output: Repair and seismic retrofit of structural elements at one bridge. Preliminary Engineering: PA&ED $0 ($0); PS&E $4,000,000 ($1,870,984); R/W Supp $10,000 ($33,601) (Construction Support: $5,000,000)	07-4497 SHOPP/14-15 $28,750,000 0712000076 4 29070	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.113	$213,000 $10,437,000

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2.5b.(1a) SHOPP Projects				**Resolution FP-15-02**
29 $8,029,000 Los Angeles 07-LA-91 R6.5/R11.0	In various cities, on Routes 91 and 105 at various locations. Outcome/Output: Install concrete barrier and reconstruct guardrails to reduce the number and severity of collisions. Preliminary Engineering / Programmed / Expended PA&ED $0 $0 PS&E $1,600,000 $1,727,009 R/W Supp $50,000 $0 (Construction Support: $1,600,000)	07-4489 SHOPP/14-15 $11,275,000 0712000030 4 29010	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.015	$161,000 $7,868,000
30 $1,588,000 Los Angeles 07-LA-101 S0.0/1.4	In the city of Los Angeles, from East 7th Street to North Figueroa Street. Outcome/Output: Construct access roads and Maintenance Vehicle Pullouts, pave gore areas, relocate existing irrigation equipment to more protected areas at 90 locations to improve maintenance worker safety. Preliminary Engineering / Programmed / Expended PA&ED $122,000 $0 PS&E $330,000 $0 R/W Supp $1,000 $0 (Construction Support: $474,000) (EA 29460; PPNO 4584 combined with EA 28270, PPNO 4293 for construction under EA 2827U, Project ID 0714000204.)	07-4584 SHOPP/14-15 $1,760,000 0713000012 4 29460	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.235	$32,000 $1,556,000
31 $3,102,000 Los Angeles 07-LA-101 0.0/0.1	In the city of Los Angeles, at Route 101/10 connector. Outcome/Output: Replace metal beam guardrail with concrete barrier, reconstruct shoulders, install flashing beacons, and improve lighting. This project is necessary to reduce the number and severity of collisions. Preliminary Engineering / Programmed / Expended PA&ED $100,000 $0 PS&E $850,000 $1,383,189 R/W Supp $10,000 $0 (Construction Support: $850,000)	07-4391 SHOPP/14-15 $4,400,000 0700020899 4 28710	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.015	$62,000 $3,040,000

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2.5b.(1a) SHOPP Projects				**Resolution FP-15-02**
32 $10,631,000 Los Angeles 07-LA-101 S0.0/25.9	In the city of Los Angeles, from East 7th Street to 0.1 mile west of Ventura Boulevard Overcrossing at various locations. Outcome/Output: Install guardrail, concrete barrier, and crash cushions, widen existing shoulder to standard width where practical, improve drainage, and restripe pavement. This project reduces exposure of maintenance workers and the number and severity of collisions. Preliminary Engineering: PA&ED Programmed $10,000 Expended $0; PS&E $1,640,000 $0; R/W Supp $50,000 $0 (Construction Support: $1,700,000) (EA 28270, PPNO 4293 combined with EA 29460, PPNO 4584 for construction under EA 2827U, Project ID 0714000204.)	07-4293 SHOPP/14-15 $11,800,000 0700021842 4 28270	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.015	$213,000 $10,418,000
33 $2,500,000 Los Angeles 07-LA-210 R9.7/R16.1	In the cities of Los Angeles and Glendale, from 0.2 mile west of Big Tujunga Wash Bridge to Dunsmore Avenue Undercrossing at various locations. Outcome/Output: Storm water mitigation treating 21.51 acres. This project removes pollu tants from highway storm water runoff to improve water quality of receiving water bodies. Preliminary Engineering: PA&ED Programmed $0 Expended $0; PS&E $700,000 $1,009,584; R/W Supp $0 $0 (Construction Support: $1,000,000)	07-4413A SHOPP/14-15 $2,500,000 0713000361 4 28802	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.120	$50,000 $2,450,000
34 $7,447,000 Los Angeles 07-LA-210 R18.8/R24.9	In La Canada Flintridge and Pasadena, from Route 2 to Route 134. Outcome/Output: This project proposes to enhance the reliability functionality of the Traffic Management System (TMS) by replacing the existing leased communication system with a fiber optic communications system and modifying, enhancing, and completing the existing TMS field elements. This project is necessary to improve traffic mobility and safety. Preliminary Engineering: PA&ED Programmed $7,000 Expended $2,419; PS&E $1,319,000 $950,660; R/W Supp $15,000 $4,536 (Construction Support: $1,319,000)	07-4765 SHOPP/14-15 $8,800,000 0714000080 4 12997	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.315	$149,000 $7,298,000

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2.5b.(1a) SHOPP Projects				**Resolution FP-15-02**
35 $12,899,000 Los Angeles 07-LA-405 12.6/R21.2	In various cities, from Main Street to Route 105 at various locations. Outcome/Output: Install concrete barrier, install/reconstruct metal beam guardrail, and improve roadside safety. This project is necessary to reduce the number and severity of collisions. Preliminary Engineering / Programmed / Expended PA&ED $0 $0 PS&E $1,700,000 $2,105,615 R/W Supp $80,000 $0 (Construction Support: $1,700,000)	07-4486 SHOPP/14-15 $11,200,000 0712000016 4 29000	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.015	$258,000 $12,641,000
36 $14,130,000 Los Angeles 07-LA-405 20.5/28.0	In and near the cities of Inglewood, Culver City, and Los Angeles, from 0.2 mile north of El Segundo Boulevard to Venice Boulevard (Route 187). Outcome/Output: Rehabilitate 56 lane miles of pavement by replacing cracked slabs, grinding concrete pavement, overlaying ramp and shoulder asphalt pavement, installing new guardrail, and paving miscellaneous areas. This project is necessary to extend pavement service life and improve ride quality. Preliminary Engineering / Programmed / Expended PA&ED $332,000 $74,551 PS&E $895,000 $1,468,420 R/W Supp $226,000 $27,552 (Construction Support: $1,867,000)	07-4678 SHOPP/14-15 $18,143,000 0713000485 4 30060	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.121	$283,000 $13,847,000
37 $4,737,000 Ventura 07-Ven-150 27.4, 29.4	Near Ojai, at Polly Road and Salt Marsh Road. Outcome/Output: Repair and stabilize storm damaged slopes at two locations by constructing retaining walls and a channel scouring prevention system. Preliminary Engineering / Programmed / Expended PA&ED $110,000 $0 PS&E $1,640,000 $387,203 R/W Supp $50,000 $19,050 (Construction Support: $1,880,000)	07-4656 SHOPP/14-15 $4,737,000 0713000398 4 3X021	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.131	$95,000 $4,642,000
38 $1,450,000 Riverside 08-Riv-10 6.3/6.9	In the city of Beaumont from 0.7 mile east of Oak Valley Parkway to Veile Avenue; also on Route 60 from 0.2 mile west of Route 10. Outcome/Output: Upgrade guardrail and remote irrigation control system, install weed control system and construct access roads to improve the safety of maintenance workers at 62 locations. Preliminary Engineering / Programmed / Expended PA&ED $200,000 $149,066 PS&E $400,000 $288,625 R/W Supp $34,000 $984 (Construction Support: $378,000)	08-0244G SHOPP/14-15 $1,450,000 0812000087 4 0R470	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.235	$53,000 $1,397,000

2.5 Highway Financial Matters

Project # / Allocation Amount / County / Dist-Co-Rte / Postmile	Location / Project Description	PPNO / Program/Year / Prgm'd Amount / Project ID / Adv Phase / EA	Budget Year / Item # / Fund Type / Program Code	Amount by Fund Type
2.5b.(1a) SHOPP Projects				**Resolution FP-15-02**
39 $3,296,000 San Bernardino 08-SBd-18 49.1/51.6	In Big Bear Lake, from Pine Knot Avenue to Stanfield cutoff. Outcome/Output: Construct auxiliary lanes in both directions to reduce congestion and improve highway operations and mobility. Preliminary Engineering: PA&ED $650,000 / $971,890; PS&E $831,000 / $1,592,100; R/W Supp $1,188,000 / $197,439 (Construction Support: $453,000)	08-0187G SHOPP/14-15 $3,060,000 0800000327 4 0J990	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.378	$52,000 $3,244,000
40 $9,362,000 San Bernardino 08-SBd-40 R105.2/R106.5	Near Fenner from 0.7 mile west to 0.6 mile east of Watson Wash Bridge No. 54-0805L. Outcome/Output: Replace the existing bridge due to moderate to severe cracking and deterioration in bridge deck that could impact the safety of the traveling public. Preliminary Engineering: PA&ED $755,000 / $720,658; PS&E $1,701,000 / $1,343,104; R/W Supp $70,000 / $943 (Construction Support: $2,567,000)	08-0206T SHOPP/14-15 $9,532,000 0800020102 4 0N550	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.110	$185,000 $9,177,000
[illegible] $11,083,000 San Bernardino 08-SBd-247 9.6/20.3	In Landers, from Hadley Road to 0.1 mile north of Boone Avenue. Outcome/Output: Construct and widen shoulders to reduce the number and severity of collisions. Preliminary Engineering: PA&ED $1,337,000 / $1,104,819; PS&E $2,400,000 / $1,240,679; R/W Supp $3,300,000 / $1,860,143 (Construction Support: $2,654,000)	08-0253F SHOPP/14-15 $14,743,000 0800020175 4 0G900	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.015	$162,000 $10,921,000
42 $12,199,000 Inyo 09-Iny-127 0.0/21.0	Near Shoshone, from the San Bernardino County line to 4.6 miles north of Route 178 West. Outcome/Output: Rehabilitate 42 lane miles of roadway by cold in-place recycling and asphalt overlay. This project is necessary to extend pavement service life and improve ride quality. Preliminary Engineering: PA&ED $0 / $0; PS&E $190,000 / $308,263; R/W Supp $35,000 / $32,137 (Construction Support: $1,075,000)	09-0613 SHOPP/14-15 $12,199,000 0912000039 4 35530	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.121	$244,000 $11,955,000

2.5 Highway Financial Matters

Project # / Allocation Amount / County / Dist-Co-Rte / Postmile	Location / Project Description	PPNO / Program/Year / Prgm'd Amount / Project ID / Adv.Phase / EA	Budget Year / Item # / Fund Type / Program Code	Amount by Fund Type
2.5b.(1a) SHOPP Projects				**Resolution FP-15-02**
43 $15,439,000 San Joaquin 10-SJ-580 L0.0/5.0	Near Tracy, from Route 5 to Route 132. Outcome/Output: Rehabilitate 20 lane miles of roadway by overlaying existing concrete pavement with asphalt, widening existing shoulders and ramps, installing rumble strips on shoulders, correcting cross slope, and replacing dikes and curbs. This project is necessary to improve safety and ride quality. Preliminary Engineering: Programmed $17,000; Expended $0 PA&ED: Programmed $17,000; Expended $0 PS&E: Programmed $1,271,000; Expended $0 R/W Supp: Programmed $9,000; Expended $0 (Construction Support: $2,069,000) (EA 0G810, PPNO 7901 combined with EA 0Q170, PPNO 0164 and EA 0W750, PPNO 3068 for construction under EA 0Q17U, Project ID 1014000170.)	10-7901 SHOPP/14-15 $15,439,000 1012000004 4 0G810	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.120	$309,000 $15,130,000
44 $14,007,000 San Joaquin 10-SJ-580 5.0/15.3	Near Tracy, from Route 132 Westbound on-ramp to west of Corral Hollow Road. Outcome/Output: Rehabilitate 41.2 lane miles of roadway by repairing damaged roadway, overlaying existing pavement with asphalt, replacing approach slabs, installing rumble strips, and upgrading dikes and guardrails to current standards. This project is needed to prevent further deterioration of the pavement. Preliminary Engineering: Programmed $41,000; Expended $0 PA&ED: Programmed $501,000; Expended $0 PS&E: Programmed $13,000; Expended $0 R/W Supp (Construction Support: $1,151,000) (EA 0Q170, PPNO 0164 combined with EA 0G810, PPNO 7901 and EA 0W750, PPNO 3068 for construction under EA 0Q17U, Project ID 1014000170.)	10-0164 SHOPP/14-15 $14,007,000 1000020646 4 0Q170	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.121	$280,000 $13,727,000
45 $4,740,000 San Diego 11-SD-8 R37.8/R39.1	Near Pine Valley, from Route 79 to 1.3 miles east of Route 79. Outcome/Output: Construct drainage improvements to prevent further erosion and restore natural channel slopes to meet Regional Water Quality Control Board requirements. Preliminary Engineering: Programmed $360,000; Expended $353,043 PA&ED: Programmed $953,000; Expended $852,339 PS&E: Programmed $2,000; Expended $0 R/W Supp (Construction Support: $1,333,000)	11-0651 SHOPP/14-15 $4,746,000 1100000203 4 26041	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.335	$95,000 $4,645,000

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Project # / Allocation Amount / County / Dist-Co-Rte / Postmile	Location / Project Description	PPNO / Program/Year / Prgm'd Amount / Project ID / Adv Phase / EA	Budget Year / Item # / Fund Type / Program Code	Amount by Fund Type
2.5b.(1a) SHOPP Projects				**Resolution FP-15-02**
46 $2,774,000 San Diego 11-SD-67 R21.0/21.9	Near Ramona, from 0.4 mile south to 0.3 mile north of Highland Valley Road/Dye Road. Outcome/Output: Widen Route 67 and Highland Valley Road/Dye Road intersection to improve operational efficiency and safety during peak periods of travel. Preliminary Engineering / Programmed / Expended PA&ED $518,000 $514,338 PS&E $1,298,000 $1,380,922 R/W Supp $1,985,000 $1,169,659 (Construction Support: $1,346,000) (Additional contribution: $3,050,000 from San Diego County.)	11-1070 SHOPP/14-15 $5,078,000 1112000206 4 41490	2014-15 302-0890 FTF 20.20.201.310	$2,774,000
47 $3,100,000 Orange 12-Ora-5 R23.8	In Irvine at the Traffic Management Center (TMC) at Sand Canyon Avenue. Outcome/Output: Upgrade District 12 Traffic Management Center(TMC) Audio and Video (AV) systems with the latest AV technology to enhance TMC capabilities and to respond to its needs in the future. This project adds 70 field elements and it is necessary to improve mobility and safety. Preliminary Engineering / Programmed / Expended PA&ED $105,000 $49,571 PS&E $480,000 $526,315 R/W Supp $0 $0 (Construction Support: $526,000)	12-2769D SHOPP/14-15 $3,500,000 1213000182 4 0N220	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.315	$36,000 $3,064,000

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Project # / Allocation Amount / County / Dist-Co-Rte / Postmile	Location / Project Description	PPNO / Program/Year / Prgm'd Amount / Project ID / Adv Phase / EA	Budget Year / Item # / Fund Type / Program Code	Amount by Fund Type
2.5b.(1b) Projects Amended Into the SHOPP by Department Action				**Resolution FP-15-02**
1 $37,100,000 Siskiyou 02-Sis-5 R10.7/R19.5	In and near Mt. Shasta and Weed, from 0.2 mile north of Lake Street to 0.3 mile south of Route 265. Outcome/Output: Rehabilitate 26.3 lane miles of roadway by removing asphalt layer, crack and seat existing concrete slabs, and overlay with asphalt. Also, upgrade guardrail and lighting, widen shoulders, and replace damaged signs, to improve safety and ride quality. Preliminary Engineering / Programmed / Expended PA&ED $1,400,000 $592,158 PS&E $1,810,000 $535,563 R/W Supp $90,000 $1,765 (Construction Support: $3,470,000)	02-3567 SHOPP/14-15 $34,833,000 0214000063 4 4G820	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.122	$742,000 $36,358,000
2 $2,000,000 Siskiyou 02-Sis-Var. Var.	In Siskiyou, Shasta, and Tehama counties, on various routes at various locations. Outcome/Output: Upgrade 450 signs to retro-reflective type to improve sign visibility and bring sign visibility, messages, and posts to current standards and allow for removal of some sign lighting. Preliminary Engineering / Programmed / Expended PA&ED $51,000 $64,462 PS&E $248,000 $194,644 R/W Supp $11,000 $6,142 (Construction Support: $372,000)	02-3574 SHOPP/14-15 $2,000,000 0214000145 4 0H210	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.170	$40,000 $1,960,000
3 $2,888,000 El Dorado 03-ED-50 Var.	In and near Placerville, on Routes 50 and 193 at various locations; also in Placer County in Roseville on Route 80 at Post Mile 3.5. Outcome/Output: Bridge deck surface rehabilitation on 8 structures to extend bridge service life. Place polyester overlay and replace failed joints to address deck concrete cracking and delamination, exposed rebar, and failed joints. Preliminary Engineering / Programmed / Expended PA&ED $142,000 $24,698 PS&E $281,000 $252,303 R/W Supp $88,000 $13,502 (Construction Support: $500,000)	03-3307 SHOPP/14-15 $2,828,000 0314000027 4 0G030	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.119	$58,000 $2,830,000

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Project # / Allocation Amount / County / Dist-Co-Rte / Postmile	Location / Project Description	PPNO / Program/Year / Prgm'd Amount / Project ID / Adv Phase / EA	Budget Year / Item # / Fund Type / Program Code	Amount by Fund Type
2.5b.(1b) Projects Amended Into the SHOPP by Department Action				**Resolution FP-15-02**
4 $9,209,000 Placer 03-Pla-65 R4.8/R12.2	In and near Roseville, Rocklin, and Lincoln, from Route 80 to 0.3 mile north of Twelve Bridges Drive. Outcome/Output: Rehabilitate 30.8 lane miles of pavement with rubberized asphalt overlay, reconstruct guardrail, seal cracks, and install ground-in rumble strips to extend pavement service life and improve ride quality. Preliminary Engineering: PA&ED Programmed $554,000 Expended $297,522; PS&E Programmed $793,000 Expended $357,646; R/W Supp Programmed $81,000 Expended $3,279 (Construction Support: $1,440,000)	03-4897 SHOPP/14-15 $7,800,000 0314000010 4 4F020	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.121	$184,000 $9,025,000
5 $42,362,000 Placer 03-Pla-80 35.1/38.3	Near Colfax, from east of Long Ravine Underpass to 0.4 mile east of Magra Road. Outcome/Output: Construct three miles of truck climbing lane with standard 10 foot inside and outside shoulders to improve traffic operations. Preliminary Engineering: PA&ED Programmed $0 Expended $1,173,084; PS&E Programmed $570,000 Expended $2,790,046; R/W Supp Programmed $0 Expended $167,439 (Construction Support: $8,700,000) (Additional Contribution: $1,238,000 from Interstate Maintenance Discretionary (IMD) funding.)	03-5067 SHOPP/14-15 $37,160,000 0300020420 4 1F400	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.310	$847,000 $41,515,000
6 $1,524,000 Sacramento 03-Sac-5 32.2/32.7	Near Sacramento, from east of Powerline Road to west of Airport Boulevard. Outcome/Output: Lengthen the deceleration lane at the northbound Airport Boulevard exit ramp to reduce merging and weaving conflicts, improve mainline traffic flow, and reduce ramp congestion. Preliminary Engineering: PA&ED Programmed $500,000 Expended $216,132; PS&E Programmed $250,000 Expended $238,755; R/W Supp Programmed $50,000 Expended $4,386 (Construction Support: $300,000)	03-5851 SHOPP/14-15 $1,300,000 0313000316 2F630	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.310	$30,000 $1,494,000
7 $2,465,000 Sacramento 03-Sac-50 L0.0/21.5	In Sacramento, El Dorado, Placer, and Yolo counties, on Routes 50, 5, 51, 80 and 99 at various locations. Outcome/Output: Upgrade 428 sign panels to retro-reflective type to improve sign visibility and make standard. Preliminary Engineering: PA&ED Programmed $146,000 Expended $89,572; PS&E Programmed $208,000 Expended $445,832; R/W Supp Programmed $42,000 Expended $4,551 (Construction Support: $360,000)	03-6406 SHOPP/14-15 $2,075,000 0314000244 4 4F710	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.170	$49,000 $2,416,000

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Project # / Allocation Amount / County / Dist-Co-Rte / Postmile	Location / Project Description	PPNO / Program/Year / Prgm'd Amount / Project ID / Adv Phase / EA	Budget Year / Item # / Fund Type / Program Code	Amount by Fund Type
2.5b.(1b) Projects Amended Into the SHOPP by Department Action				**Resolution FP-15-02**
8 $2,215,000 Alameda 04-Ala-580 0.4/48.0	In Alameda County in various cities, from Greenville Road to Cerrito Creek at various locations. Also, on Route 680 from Scott Creek Road to Koopman Road at various locations (PM M0.1/R12.4). Outcome/Output: Upgrade transition railings at bridges, walls, and barriers,and repair guardrail end treatments by installing post and metal fixtures, asphalt pavement, and minor concrete work to reduce the number and severity of collisions. Preliminary Engineering: Programmed $791,000, Expended $1,284,925; PS&E: Programmed $509,000, Expended $269,084; R/W Supp: Programmed $12,000, Expended $1,305 (Construction Support: $764,000)	04-0107M SHOPP/14-15 $2,590,000 0414000065 4 2G522	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.015	$44,000 $2,171,000
9 $35,840,000 Alameda 04-Ala-880 2.9/27.3	In and near Fremont, Union City, Hayward, San Leandro and Oakland, from 0.4 mile south of Fremont Boulevard to 0.3 miles south of High Street. Outcome/Output: Replace existing barrier with standard concrete barrier, install roadway lighting at various locations, and relocate and replace overhead signs to reduce the number and severity of collisions. Also, place sign and lighting foundations for future Express Lane Project EA 3G920. Preliminary Engineering: Programmed $3,900,000, Expended $1,038,966; PS&E: Programmed $4,900,000, Expended $2,180,587; R/W Supp: Programmed $100,000, Expended $1,243 (Construction Support: $6,000,000) (Addtitonal contribution: $20,285,000 from MTC/BATA)	04-1480S SHOPP/14-15 $35,636,000 0414000421 4 2J070	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.015	$717,000 $35,123,000
10 $667,000 Alameda 04-Ala-880 18.4	Near Hayward and Castro Valley, at 1.7 miles northeast of A Street Undercrossing at A street and Rockaway Lane. Outcome/Output: Environmental mitigation off-highway system along 2.3 miles of San Lorenzo Creek. Includes removal of invasive vegetation, bank restoration, and debris/trash removal. Required environmental mitigation for Route 84 Pigeon Pass safety improvement project (EA 17240, Project ID 0400000455, PPNO 0086Z). Preliminary Engineering: Programmed $230,000, Expended $248,194; PS&E: Programmed $394,000, Expended $466,027; R/W Supp: Programmed $90,000, Expended $2,709 (Construction Support: $330,000)	04-0085Q SHOPP/14-15 $990,000 0413000371 4 17245	2014-15 302-0042 SHA 20.20.201.010	$667,000

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Project # Allocation Amount County Dist-Co-Rte Postmile	Location Project Description	PPNO Program/Year Prgm'd Amount Project ID Adv Phase EA	Budget Year Item # Fund Type Program Code	Amount by Fund Type
2.5b.(1b) Projects Amended Into the SHOPP by Department Action				**Resolution FP-15-02**
11 $6,014,000 Alameda 04-Ala-Var. Var.	In Alameda County, on Routes 13, 24, 77, 80, 84, 92, 205, 238, 262, 580, 680, 880 and 980 at various locations. Outcome/Output: Upgrade 375 overhead sign panels with retro-reflective type to improve sign visibility, make standard, and allow for removal of lighting and walkway assemblies. Work includes removal of Electronic Toll Collection equipment to be reimbursed by MTC. Preliminary Engineering: PA&ED $1,300,000 Expended $470,745; PS&E $1,950,000 Expended $1,143,160; R/W Supp $5,000 Expended $3,006 (Construction Support: $1,500,000) (Additional contribution: $51,000 from MTC.)	04-1480K SHOPP/14-15 $8,003,000 0414000431 4 2J140	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.170	$120,000 $5,894,000
12 $4,019,000 Contra Costa 04-CC-80 Var.	In Contra Costa County, on Routes 80, 4, 580 and 680 at various locations. Outcome/Output: Upgrade 223 overhead sign panels with retro-reflective type to improve sign visibility, make standard, and allow for removal of lighting and walkway assemblies. Work includes removal of Electronic Toll Collection equipment to be reimbursed by MTC. Preliminary Engineering: PA&ED $370,000 Expended $226,385; PS&E $980,000 Expended $677,790; R/W Supp $80,000 Expended $2,464 (Construction Support: $820,000) (Additional contribution: $15,000 from MTC.)	04-1480M SHOPP/14-15 $4,332,000 0414000432 4 2J150	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.170	$80,000 $3,939,000
13 $2,115,000 Contra Costa 04-CC-80 Var.	In Contra Costa County, on Routes 80 and 580 at various locations. Outcome/Output: Upgrade metal beam guard railing transitions to bridges, walls and barriers at 55 locations to meet current standards. Preliminary Engineering: PA&ED $257,000 Expended $0; PS&E $414,000 Expended $0; R/W Supp $72,000 Expended $0 (Construction Support: $620,000)	04-0026D SHOPP/14-15 $2,140,000 0414000245 4 2G441	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.015	$42,000 $2,073,000

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Project # / Allocation Amount / County / Dist-Co-Rte / Postmile	Location / Project Description	PPNO / Program/Year / Prgm'd Amount / Project ID / Adv Phase / EA	Budget Year / Item # / Fund Type / Program Code	Amount by Fund Type
2.5b.(1b) Projects Amended Into the SHOPP by Department Action				**Resolution FP-15-02**
14 $365,000 Contra Costa 04-CC-80 5.2/9.7	In and near Richmond, Pinole and Hercules, from El Portal Drive to Hercules Overhead at various locations. Outcome/Output: Upgrade metal beam guard railing transitions to bridges, walls, and barriers at four locations to meet current standards. Preliminary Engineering / Programmed / Expended PA&ED $193,000 $0 PS&E $286,000 $0 R/W Supp $70,000 $0 (Construction Support: $280,000)	04-0026F SHOPP/14-15 $762,000 0414000247 4 2G442	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.015	$7,000 $358,000
15 $354,000 Contra Costa 04-CC-680 22.2/23.9	Near Martinez, from East Martinez Underpass to 0.2 mile south of Marina Vista Avenue at various locations. Outcome/Output: Upgrade guardrail transitions to bridges, walls and barriers at seven locations to meet current standards. Preliminary Engineering / Programmed / Expended PA&ED $194,000 $ PS&E $209,000 $ R/W Supp $10,000 $ (Construction Support: $280,000)	04-0277F SHOPP/14-15 $300,000 0414000248 4 2G452	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.015	$7,000 $347,000
16 $3,038,000 Contra Costa 04-CC-Var. Var.	In Contra Costa County on Routes 160, 242 and 680 at various locations. Outcome/Output: Upgrade guardrail transitions to bridges, walls and barriers at 80 locations to meet current standards. Preliminary Engineering / Programmed / Expended PA&ED $256,000 $0 PS&E $491,000 $0 R/W Supp $10,000 $0 (Construction Support: $620,000)	04-0277E SHOPP/14-15 $2,543,000 0414000246 4 2G451	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.015	$61,000 $2,977,000
17 $2,863,000 Marin 04-Mrn-Var. Var.	In Marin, Napa, and Sonoma counties, on Routes 12, 29, 37, 101 and 580 at various locations. Outcome/Output: Upgrade 130 sign panels to retro-reflective type to improve sign visibility and make standard. Exit numbering will be included on new signs. Work includes removal of Electronic Toll Collection equipment to be reimbursed by MTC. Preliminary Engineering / Programmed / Expended PA&ED $400,000 $383,325 PS&E $1,000,000 $609,393 R/W Supp $15,000 $877 (Construction Support: $1,030,000) (Additional contribution: $17,000 from MTC.)	04-1480Q SHOPP/14-15 $3,427,000 0414000435 4 2J180	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.170	$57,000 $2,806,000

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Project # / Allocation Amount / County / Dist-Co-Rte / Postmile	Location / Project Description	PPNO / Program/Year / Prgm'd Amount / Project ID / Adv Phase / EA	Budget Year / Item # / Fund Type / Program Code	Amount by Fund Type
2.5b.(1b) Projects Amended Into the SHOPP by Department Action				**Resolution FP-15-02**
18 $26,146,000 Santa Clara 04-SCl-101 R16.0/R27.9	In and near Morgan Hill and San Jose, from East Dunne Avenue to 0.9 mile north of Silicon Valley Boulevard. Outcome/Output: Resurface and repair 89 lane miles of pavement by performing asphalt pavement dig-outs, resurfacing asphalt, replacing severely cracked concrete slabs, sealing cracks, grinding concrete pavement, and upgrading guardrail to extend pavement service life and improve ride quality. Preliminary Engineering: PA&ED Programmed $792,000 Expended $560,804; PS&E Programmed $1,242,000 Expended $373,186; R/W Supp Programmed $54,000 Expended $0 (Construction Support: $2,528,000)	04-0488P SHOPP/14-15 $26,224,000 0414000303 4 1J630	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.121	$523,000 $25,623,000
19 $7,784,000 Santa Clara 04-SCl-Var. Var.	In Santa Clara County, on Routes 17, 85, 87, 101, 237, 280, 680 and 880 at various locations. Outcome/Output: Upgrade 437 overhead sign panels with retro-reflective type to improve sign visibility, make standard, and allow for removal of lighting and walkway assemblies. Work includes removal of Electronic Toll Collection equipment to be reimbursed by MTC. Preliminary Engineering: PA&ED Programmed $1,340,000 Expended $531,108; PS&E Programmed $1,890,000 Expended $819,401; R/W Supp Programmed $50,000 Expended $1,849 (Construction Support: $2,000,000) (Additional contribution: $5,000 from MTC.)	04-1480P SHOPP/14-15 $8,723,000 0414000434 4 2J170	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.170	$156,000 $7,628,000
20 $1,560,000 San Francisco 04-SF-280 R0.1, R1.5	In the City and County of San Francisco, at the southbound off-ramp to John Daly Boulevard off-ramp; also on northbound Route 280 at San Jose Avenue Overcrossing. Outcome/Output: Construct outer separation concrete barrier at two locations to reduce the number and severity of collisions. Also, widen shoulder, build retaining wall, and construct 505 feet of sidewalk to meet Americans with Disabilities Act (ADA) requirements. Preliminary Engineering: PA&ED Programmed $0 Expended $0; PS&E Programmed $750,000 Expended $712,306; R/W Supp Programmed $30,000 Expended $32,763 (Construction Support: $320,000)	04-0820J SHOPP/14-15 $1,511,000 0413000300 4 4H900	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.010	$31,000 $1,529,000

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Project # / Allocation Amount / County / Dist-Co-Rte / Postmile	Location / Project Description	PPNO / Program/Year / Prgm'd Amount / Project ID / Adv Phase / EA	Budget Year / Item # / Fund Type / Program Code	Amount by Fund Type
2.5b.(1b) Projects Amended Into the SHOPP by Department Action				**Resolution FP-15-02**
21 $20,585,000 San Mateo 04-SM-280 R2.1/10.8	In and near Woodside and Belmont, from 0.5 mile north of Sand Hill Road to Route 92. Outcome/Output: Replace failed concrete slabs, resurface asphalt, repair localized failed asphalt, and upgrade guardrails to extend 77 lane miles of pavement service life and improve ride quality. Preliminary Engineering: PA&ED Programmed $495,000 Expended $208,100; PS&E $1,035,000 $853,429; R/W Supp $35,000 $0 (Construction Support: $3,415,000)	04-1480H SHOPP/14-15 $24,711,000 0414000422 4 2J080	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.121	$412,000 $20,173,000
22 $2,772,000 San Mateo 04-SM-Var. Var.	In San Mateo County, on Routes 1, 82, 101, and 280 at various locations. Outcome/Output: Replace existing guardrail with 5,800 feet of concrete barrier to reduce the number and severity of collisions and reduce maintenance worker exposure and traffic delays during guardrail repairs. Preliminary Engineering: PA&ED Programmed $0 Expended $0; PS&E $483,000 $0; R/W Supp $10,000 $0 (Construction Support: $503,000)	04-1066A SHOPP/14-15 $4,440,000 0414000178 4 4A361	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.015	$55,000 $2,717,000
23 $1,456,000 Solano 04-Sol-80 Var.	In Solano County, on Routes 80, 12, 37, 113, 505, 680 and 780 at various locations. Outcome/Output: Upgrade 64 sign panels to retro-reflective type to improve sign visibility and make standard. Exit numbering will be included on new signs. Work includes removal of Electronic Toll Collection equipment to be reimbursed by MTC. Preliminary Engineering: PA&ED Programmed $378,000 Expended $378,953; PS&E $990,000 $421,304; R/W Supp $15,000 $2,717 (Construction Support: $995,000) (Additional contribution: $9,000 from MTC.)	04-1480N SHOPP/14-15 $3,332,000 0414000433 4 2J160	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.170	$29,000 $1,427,000
24 $2,442,000 Solano 04-Sol-Var. Var.	In Solano and Napa counties, on Routes 80 and 680 at various locations. Outcome/Output: Replace existing guardrail with concrete barrier to reduce the number and severity of collisions, and reduce maintenance worker exposure and traffic delays during guardrail repairs. Preliminary Engineering: PA&ED Programmed $0 Expended $0; PS&E $410,000 $0; R/W Supp $10,000 $0 (Construction Support: $550,000)	04-1066C SHOPP/14-15 $3,633,000 ~~0415000179~~ 0414000179 4 4A362	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.015	$49,000 $2,393,000

2.5 Highway Financial Matters

Project # / Allocation Amount / County / Dist-Co-Rte / Postmile	Location / Project Description	PPNO / Program/Year / Prgm'd Amount / Project ID / Adv Phase / EA	Budget Year / Item # / Fund Type / Program Code	Amount by Fund Type
2.5b.(1b) Projects Amended Into the SHOPP by Department Action				**Resolution FP-15-02**
25 $3,592,000 Santa Barabara 05-SB-Var. Var.	In Santa Barbara, Monterey, San Benito, Santa Cruz and San Luis Obispo counties at various locations. Outcome/Output: Upgrade 949 freeway exit guide signs with retro-reflective sheeting and replace road sign posts to meet current standards. This project is necessary to improve highway efficiency and safety for vehicle traffic. Preliminary Engineering: PA&ED $0 / $0; PS&E $650,000 / $566,414; R/W Supp $40,000 / $0 (Construction Support: $1,080,000)	05-4900 SHOPP/14-15 $3,000,000 0514000120 4 0J490	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.170	$72,000 $3,520,000
26 $2,307,000 Santa Barabara 05-SB-Var. Var.	In Santa Barbara, Monterey, San Benito, San Luis Obispo and Santa Cruz counties at various locations. Outcome/Output: Replace 270 overhead sign panels with retro-reflective sheeting and add exit numbering to panels to meet the current standards. This project will improve the visibility of the overhead signs. Preliminary Engineering: PA&ED $160,000 / $119,252; PS&E $600,000 / $710,970; R/W Supp $14,000 / $257 (Construction Support: $974,000)	05-2589 SHOPP/14-15 $3,793,000 0514000123 4 1G190	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.170	$46,000 $2,261,000
27 $1,374,000 Santa Barabara 05-SB-Var. Var.	In Santa Barbara, San Luis Obispo, Monterey, and Santa Cruz counties at various intersections. Outcome/Output: Upgrade 51 signalized intersections to include countdown pedestrian signal heads and accessible pedestrian signal push-button systems. This project is necessary to reduce the number and severity of collisions. Preliminary Engineering: PA&ED $126,000 / $141,835; PS&E $457,000 / $403,022; R/W Supp $26,000 / $0 (Construction Support: $598,000)	05-2592 SHOPP/14-15 $1,701,000 0514000134 4 1G280	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.015	$27,000 $1,347,000

withdrawn prior to the CTC meeting

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2.5b.(1b) Projects Amended Into the SHOPP by Department Action				**Resolution FP-15-02**
28 $12,800,000 Los Angeles 07-LA-1 41.8/42.1	In Malibu, from Pena Canyon Bridge to 0.3 mile north of Pena Canyon Bridge. Outcome/Output: Rebuild and repair damaged roadway embankment and drainage system along coast due to winter storms. Place full bank and shore Rock Slope Protection (RSP) along 1600 foot section of embankment supporting highway. This project is necessary to rebuild and repair damaged roadway. Preliminary Engineering / Programmed / Expended PA&ED $50,000 $0 PS&E $2,950,000 $0 R/W Supp $50,000 $0 (Construction Support: $2,880,000)	07-4895 SHOPP/15-16 $12,800,000 0715000212 4 31660	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.131	$256,000 $12,544,000
29 $3,174,000 Los Angeles 07-LA-5 39.4/R88.6	In and near the cities of Los Angeles and Santa Clarita, from Route 118 to the Kern County Line. Outcome/Output: Upgrade existing guide signs to current standards, install new exit numbering signs, and replace overhead sign lighting with induction type. This project is necessary to improve highway efficiency and safety for vehicle traffic. Preliminary Engineering / Programmed / Expended PA&ED $0 $0 PS&E $930,000 $717,275 R/W Supp $50,000 $0 (Construction Support: $930,000)	07-3373 SHOPP/14-15 $6,200,000 0714000274 4 24320	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.170	$63,000 $3,111,000
30 $22,347,000 Los Angeles 07-LA-5 C43.9/C46.4	In and near the city of Los Angeles, near Sylmar and Granada Hills communities, on the Route 5 truck spur from San Fernando Road Overhead to south of Weldon Canyon Road. Outcome/Output: Rehabilitate 8.33 lane miles of roadway by replacing the existing pavement on all lanes and shoulders. This project is necessary to extend pavement service life and improve ride quality. Preliminary Engineering / Programmed / Expended PA&ED $0 $0 PS&E $1,500,000 $1,194,253 R/W Supp $100,000 $0 (Construction Support: $2,500,000)	07-4693 SHOPP/14-15 $18,700,000 0713000478 4 30290	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.122	$447,000 $21,900,000

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2.5b.(1b) Projects Amended Into the SHOPP by Department Action				**Resolution FP-15-02**
31 $3,568,000 Los Angeles 07-LA-10 R2.2/48.0	In the cities of Santa Monica, Los Angeles, El Monte, Pomona and Claremont at various locations; also on Route 710 in various cities (PM 9.4 to PM 23.2) at various locations. Outcome/Output: Install ramp metering systems, upgrade the existing Transportation Management System (TMS) elements and network to meet the needs and objectives for the regional congestion relief program. Preliminary Engineering / Programmed / Expended PA&ED $0 $0 PS&E $721,000 $578,983 R/W Supp $2,000 $0 (Construction Support: $717,000)	07-4780 SHOPP/14-15 $3,590,000 0714000246 4 30860	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.315	$71,000 $3,497,000
32 $14,464,000 Los Angeles 07-LA-57 R4.5/R12.1	In Diamond Bar, Pomona, San Dimas and Glendora, from Route 60 to Route 210. Outcome/Output: Rehabilitate 60 lane miles of roadway by replacing damaged concrete slabs, grind and overlay asphalt pavement, install guardrail and dikes, replace traffic loop detectors. This project is necessary to extend pavement service life and improve ride quality. Preliminary Engineering / Programmed / Expended PA&ED $0 $0 PS&E $1,015,000 $1,048,974 R/W Supp $185,000 $0 (Construction Support: $1,918,000)	07-4689 SHOPP/14-15 $14,464,000 0713000483 4 30260	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.121	$289,000 $14,175,000
33 $17,931,000 Los Angeles 07-LA-91 R11.3/R20.7	In Long Beach, Bellflower, Artesia and Cerritos, from Route 710 to the Orange County Line. Outcome/Output: Rehabilitate 42 lane miles of roadway by replacing damaged concrete slabs, repair spalling, grind concrete pavement to restore surface friction, grind and overlay asphalt pavement on auxiliary lanes, upgrade metal beam guardrail, and replace all affected traffic loop detectors. This project is necessary to extend pavement service life and improve ride quality. Preliminary Engineering / Programmed / Expended PA&ED $0 $0 PS&E $1,117,000 $1,528,072 R/W Supp $300,000 $0 (Construction Support: $2,048,000)	07-4736 SHOPP/14-15 $16,284,000 0714000151 4 30620	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.121	$359,000 $17,572,000

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2.5b.(1b) Projects Amended Into the SHOPP by Department Action				**Resolution FP-15-02**
34 $3,358,000 Los Angeles 07-LA-101 S0.0/17.2	In the city of Los Angeles, from Route 5 to Route 405. Outcome/Output: Upgrade overhead sign panels with retro-reflective sheeting, replace some overhead sign structures, install exit numbering signs, and replace overhead sign lighting with induction type. This project rehabilitates 193 signs or lighting fixtures to enhance sign illumination to better aid motorists with nighttime visibility. Preliminary Engineering / Programmed / Expended PA&ED $100,000 $0 PS&E $1,421,000 $848,165 R/W Supp $101,000 $0 (Construction Support: $1,725,000)	07-4803 SHOPP/14-15 $10,150,000 0714000279 4 20760	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.170	$67,000 $3,291,000
35 $1,582,000 Los Angeles 07-LA-138 2.1/36.7	Near Lancaster, from east of Route 5 to west of Route 14. Outcome/Output: Construct ground-in center line and shoulder strips/backing, replace the existing center line and edge striping with high reflective striping, and replace the existing raised pavement markers with recessed markers. This project is necessary to improve traffic safety and reduce the potential for run-off-the-road and cross-centerline accidents. Preliminary Engineering / Programmed / Expended PA&ED $68,000 $122,019 PS&E $300,000 $197,807 R/W Supp $0 $0 (Construction Support: $300,000)	07-4621 SHOPP/14-15 $1,859,000 0713000232 4 29780	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.010	$32,000 $1,550,000
36 $17,328,000 Los Angeles 07-LA-210 R24.7/R44.9	In and near Pasadena, Arcadia, Monrovia, Duarte, Irwindale, Azusa, and Glendora, from Route 134 to Route 57. Outcome/Output: Install Closed Circuit Television, replace loop detectors and vehicle detection stations, install/upgrade Changeable Message Signs, upgrade the existing communication system to fiber optic communications, and upgrade the existing network to internet Protocol network. This project is necessary to improve traffic mobility and safety. Preliminary Engineering / Programmed / Expended PA&ED $0 $0 PS&E $2,940,000 $1,468,704 R/W Supp $2,000 $0 (Construction Support: $3,498,000)	07-4747 SHOPP/14-15 $18,390,000 0714000165 4 30640	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.315	$347,000 $16,981,000

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2.5b.(1b) Projects Amended Into the SHOPP by Department Action				**Resolution FP-15-02**
37 $2,168,000 Ventura 07-Ven-23 R4.9/R11.4	In and near Thousand Oaks and Moorpark, from Janss Road to Route 118; also on Route 118 in Simi Valley, from Princeton Avenue to Los Angeles County Line (PM 19.6 to PM R32.6). Outcome/Output: Upgrade existing ramp metering systems, vehicle detection stations, closed circuit television cameras, changeable message signs, and data network. This project is necessary to improve traffic mobility and safety. Preliminary Engineering / Programmed / Expended PA&ED $0 $0 PS&E $688,000 $659,191 R/W Supp $2,000 $0 (Construction Support: $575,000)	07-4779 SHOPP/14-15 $2,290,000 0714000245 4 30850	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.315	$43,000 $2,125,000
38 $7,868,000 Ventura 07-Ven-33 0.0/6.0	In and near the city of Ventura, from Route 101 to Casitas Vista Road; also in Thousand Oaks and Camarillo on Route 101, from north of S. Westlake Boulevard to north of Arneill Road (PM 1.2/14.1) at various locations. Outcome/Output: Storm water mitigation treating 35.6 acres. This project reduces amount of trash deposited in receiving waters and improves water quality. Preliminary Engineering / Programmed / Expended PA&ED $2,000 $0 PS&E $3,500,000 $0 R/W Supp $100,000 $0 (Construction Support: $3,500,000)	07-4157 SHOPP/14-15 $8,500,000 0715000283 4 2750U	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.335	$157,000 $7,711,000
39 $87,579,000 Riverside 08-Riv-10 R74/R105	Near Desert Center, from 1.9 mile east of Cactus City Roadside Safety Rest Area to 0.4 mile east of Route 177. Outcome/Output: Rehabilitate 124 lane miles of roadway by grinding the existing pavement and overlaying with asphalt on mainline lanes and shoulders to improve safety and ride quality. Preliminary Engineering / Programmed / Expended PA&ED $1,360,000 $1,299,944 PS&E $2,340,000 $186,919 R/W Supp $50,000 $775 (Construction Support: $3,500,000)	08-0014M SHOPP/14-15 $88,440,000 0814000115 4 1E860	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.122	$470,000 $87,109,000

2.5 Highway Financial Matters

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2.5b.(1b) Projects Amended Into the SHOPP by Department Action				**Resolution FP-15-02**
40 $20,923,000 Riverside 08-Riv-60 R12.2/22.1	In and near the cities of Riverside, Moreno Valley and Beaumont, from Route 215 to Gilman Springs Road; also west of Jack Rabbit Trail to Route 10 (PM 26.5 to 30.4). Outcome/Output: Rehabilitate 127.8 lane miles of roadway by grinding the existing pavement and overlaying with asphalt on mainline lanes, shoulders and ramps, and to extend pavement service life and improve ride quality. Preliminary Engineering: PA&ED $721,000 / $235,757; PS&E $1,030,000 / $301,129; R/W Supp $22,000 / $0 (Construction Support: $2,409,000)	08-0040M SHOPP/14-15 $20,600,000 0814000223 4 1C091	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.121	$213,000 $20,710,000
41 $479,000 Riverside 08-Riv-74 34.3/45.2	In and near the cities of Hemet, Palm Springs, Apple Valley, Redlands, Yucca Valley, San Bernardino, and Ontario at various locations. Outcome/Output: Improve signalized intersections to include Accessible Pedestrian Systems and countdown pedestrian signal heads. This project is necessary to help pedestrians to cross the traffic intersections safely. Preliminary Engineering: PA&ED $158,000 / $116,023; PS&E $372,000 / $115,413; R/W Supp $5,000 / $0 (Construction Support: $250,000)	08-0056J SHOPP/14-15 $490,000 0814000231 4 1F480	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.015	$13,000 $466,000
42 $7,840,000 Riverside 08-Riv-215 R8.4/R38.8	In and near the cities of Murrieta, Menifee, Perris; Riverside and Moreno Valley, from 0.5 mile south of Route 15 to 0.5 mile north of Route 60. Outcome/Output: Add/upgrade 80 field elements by installing CCTV's, changeable message signs, census stations, detections, communication hubs and fiber optic cable. This project will enable the Department to manage the system more efficiently, resulting in significant time savings. Preliminary Engineering: PA&ED $451,000 / $655,474; PS&E $813,000 / $0; R/W Supp $10,000 / $0 (Construction Support: $1,810,000)	08-0252Q SHOPP/14-15 $6,620,000 0814000173 4 0G780	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.315	$126,000 $7,714,000

2.5 Highway Financial Matters

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2.5b.(1b) Projects Amended Into the SHOPP by Department Action				**Resolution FP-15-02**
43 $1,298,000 Riverside 08-Riv-215 22.3/43.2	In and near the cities of Moreno Valley, Perris and Riverside, at various bridge locations. Outcome/Output: Sandblast/clean and apply methacrylate sealing to bridge decks, replace damaged joint seals, and install signs at 8 bridges. This project is necessary to extend the bridge service life. Preliminary Engineering / Programmed / Expended PA&ED $0 $0 PS&E $254,000 $185,652 R/W Supp $0 $0 (Construction Support: $260,000)	08-0111C SHOPP/14-15 $1,300,000 0812000326 4 1C400	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.119	$38,000 $1,260,000
44 $14,969,000 San Bernardino 08-SBd-395 46.0/73.5	Near Kramer Junction, from 0.1 north of Route 58 to Kern County Line. Outcome/Output: Rehabilitate 55.2 lane miles of roadway by grinding the existing pavement and overlaying with asphalt on mainline and shoulders. Install centerline and shoulder rumble strips. This project is necessary to extend pavement service life and improve ride quality. Preliminary Engineering / Programmed / Expended PA&ED $800,000 $456,355 PS&E $1,070,000 $149,956 R/W Supp $72,000 $0 (Construction Support: $1,300,000)	08-0261G SHOPP/14-15 $16,550,000 0814000116 4 1E870	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.121	$109,000 $14,860,000
45 $1,193,000 Inyo 09-Iny-Var. Var.	In Inyo and Kern counties, at various locations. Outcome/Output: Install four Changeable Message Signs. This project improves traffic mobility and safety. Preliminary Engineering / Programmed / Expended PA&ED $115,000 $73,509 PS&E $305,000 $160,797 R/W Supp $15,000 $0 (Construction Support: $243,000)	09-2609 SHOPP/14-15 $1,400,000 0914000051 4 36450	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.315	$24,000 $1,169,000
46 $5,410,000 Mono 09-Mno-395 R69.8/R76.0	Near Bridgeport, from Route 270 to 0.1 mile north of Jack Sawyer Road. Outcome/Output: Rehabilitate 12.4 lane miles of roadway by grinding the existing upper layer of pavement, overlaying with asphalt, placing shoulder backing, and replacing striping. This project extends pavement service life and improves ride quality. Preliminary Engineering / Programmed / Expended PA&ED $10,000 $2,034 PS&E $360,000 $238,750 R/W Supp $2,000 $0 (Construction Support: $350,000)	09-2608 SHOPP/14-15 $5,410,000 0914000008 4 36060	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.121	$108,000 $5,302,000

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2.5b.(1b) Projects Amended Into the SHOPP by Department Action				**Resolution FP-15-02**
47 $3,227,000 San Joaquin 10-SJ-4 16/19.4	In Stockton, between Interstate 5 and Route 99; also on local roads from Route 99 to the District Transportation Management Center (TMC). Outcome/Output: Construct Automatic Warning Systems and Maintenance Vehicle Pullouts, install fiber optic lines, Changeable Message Signs, Closed Circuit Television cameras, and Traffic Monitoring Stations. This project reduces traffic congestion and enhances the travelling public's safety. Preliminary Engineering / Programmed / Expended PA&ED $105,000 $253,296 PS&E $271,000 $725,613 R/W Supp $10,000 $0 (Construction Support: $215,000)	10-3058 SHOPP/14-15 $3,227,000 1013000114 4 0X970	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.315	$65,000 $3,162,000
48 $3,423,000 San Joaquin 10-SJ-120 6.7/16.7	In and near Manteca, from west of Austin Avenue to west of Escalon Bellota/McHenry Avenue. Outcome/Output: Rehabilitate 25.2 lane miles of roadway by repairing failed pavement, overlaying the existing pavement with asphalt. This project is necessary to extend pavement service life and improve ride quality. Preliminary Engineering / Programmed / Expended PA&ED $30,000 $24,094 PS&E $110,000 $146,061 R/W Supp $10,000 $0 (Construction Support: $345,000)	10-3062 SHOPP/14-15 $3,700,000 1014000070 4 0Y950	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.121	$68,000 $3,355,000
49 $4,100,000 San Joaquin 10-SJ-205 L0.0/R13.4	Near Tracy, from Route 5 in San Joaquin County to Route 580 in Alameda County. Outcome/Output: Install ramp meters, Closed Circuit Television cameras, and fiber optic lines. Also construct HOV ramp lane, CHP enforcement pads and Maintenance Vehicle Pullouts. This project adds 24 field elements and enhances traffic capacity and ability to monitor traffic condition in real time. Preliminary Engineering / Programmed / Expended PA&ED $609,000 $251,019 PS&E $812,000 $700,262 R/W Supp $338,000 $0 (Construction Support: $1,015,000)	10-3073 SHOPP/14-15 $6,769,000 1014000104 4 1C210	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.315	$82,000 $4,018,000

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2.5b.(1b) Projects Amended Into the SHOPP by Department Action				**Resolution FP-15-02**
50 $8,330,000 San Joaquin 10-SJ-580 4.8/15.3	In and near Tracy, from Route 5 to Route 205. Outcome/Output: Install Closed Circuit Television cameras, Changeable Message Signs, Traffic Monitoring Systems, Remote Weather Information System, and Fiber Optic lines. This project adds 20 field elements and enhances District Intelligent Transportation Systems. Preliminary Engineering: PA&ED $111,000 / $0; PS&E $422,000 / $0; R/W Supp $2,000 / $0 (Construction Support: $1,269,000) (EA 0W750, PPNO 3068 combined with EA 0G810, PPNO 7901 and EA 0Q170, PPNO 0164 for construction under EA 0Q17U, Project ID 1014000170.)	10-3068 SHOPP/14-15 $8,330,000 1012000047 4 0W750	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.315	$167,000 $8,163,000
51 $4,768,000 San Joaquin 10-SJ-Var. Var.	In San Joaquin, Mariposa, Merced, Stanislaus, and Tuolumne counties on various highways at various locations. Outcome/Output: Construct, modify, upgrade and/or replace existing Intelligent Transportation System (ITS) elements. Also, construct two new roadside Weather Information Systems. This project adds 46 field elements and is necessary to upgrade aging ITS element to current standards. Preliminary Engineering: PA&ED $480,000 / $302,754; PS&E $967,000 / $531,053; R/W Supp $286,000 / $0 (Construction Support: $1,200,000)	10-3072 SHOPP/14-15 $5,320,000 1014000103 4 1C220	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.315	$95,000 $4,673,000
52 $3,070,000 Stanislaus 10-Sta-5 Var.	In Stanislaus County, on Routes 5 and 99 at various locations. Outcome/Output: Install Traffic Monitoring Systems, Closed Circuit Television cameras, roadway Weather Information Systems, fiber optic lines, and field service cabinets. This project adds 123 field elements and improves traffic mobility and safety. Preliminary Engineering: PA&ED $225,000 / $218,495; PS&E $474,000 / $425,997; R/W Supp $50,000 / $0 (Construction Support: $485,000)	10-9050C SHOPP/14-15 $3,461,000 1014000166 4 0K340	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.315	$61,000 $3,009,000

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2.5b.(1b) Projects Amended Into the SHOPP by Department Action				**Resolution FP-15-02**
53 $12,869,000 San Diego 11-SD-15 R6.5/R10.9	In the city of San Diego, from 0.2 mile south of San Diego Mission Road to 0.3 mile north of Route 52. Outcome/Output: Rehabilitate 37.5 lane miles of pavement by grinding concrete pavement and replacing concrete slabs to extend pavement service life and improve ride quality. Preliminary Engineering: Programmed $0, Expended $0; PS&E: Programmed $1,485,000, Expended $876,403; R/W Supp: Programmed $2,000, Expended $0 (Construction Support: $2,470,000)	11-1122 SHOPP/14-15 $16,697,000 1114000037 4 41330	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.121	$257,000 $12,612,000
54 $1,158,000 Orange 12-Ora-1 Var.	In and near various cities on Routes 1, 74, 133, and 142 at various locations and at the District Traffic Management Center. Outcome/Output: Add 52 field elements by installing loop and radar detection equipment and updating data collection system in District 12 Traffic Management Center to provide operators with access to real time traffic data. This project is necessary to improve traffic mobility and safety. Preliminary Engineering: Programmed $0, Expended $125,957; PS&E: Programmed $150,000, Expended $346,251; R/W Supp: Programmed $15,000, Expended $0 (Construction Support: $388,000)	12-2200B SHOPP/14-15 $1,500,000 1215000081 4 0N821	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.315	$60,000 $1,098,000
55 $10,550,000 Orange 12-Ora-5 12.8/21.6	In and near Mission Viejo, Laguna Hills, Lake Forest and Irvine, from south of Avery Parkway to Route 405. Outcome/Output: Replace broken concrete slabs, fog seal existing outside shoulders, overlay asphalt ramps, upgrade existing guardrail and ADA facilities, and modify traffic signals to extend pavement service life and improve ride quality along 106 lane miles of roadway. Preliminary Engineering: Programmed $0, Expended $0; PS&E: Programmed $1,420,000, Expended $1,374,425; R/W Supp: Programmed $80,000, Expended $0 (Construction Support: $2,700,000)	12-2659A SHOPP/14-15 $10,600,000 1213000197 4 0N330	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.121	$172,000 $10,378,000

2.5 Highway Financial Matters

Project # / Allocation Amount / County / Dist-Co-Rte / Postmile	Location / Project Description	PPNO / Program/Year / Prgm'd Amount / Project ID / Adv Phase / EA	Budget Year / Item # / Fund Type / Program Code	Amount by Fund Type
2.5b.(1b) Projects Amended Into the SHOPP by Department Action				**Resolution FP-15-02**
56 $1,925,000 Orange 12-Ora-5 R23.8	In Irvine, south of Sand Canyon Avenue. Outcome/Output: Upgrade the existing Advanced Transportation Management System (ATMS) in the Transportation Management Center (TMC). Tise project will provide more efficient traffic flow by earlier detection and verification of incidents or events and improve mobility and safety. Preliminary Engineering: PA&ED $70,000 / $47,465; PS&E $480,000 / $205,213; R/W Supp $5,000 / $0 (Construction Support: $350,000)	12-1984 SHOPP/14-15 $1,981,000 1214000037 4 0H234	2014-15 302-0890 FTF 20.20.201.315	$1,925,000
57 $2,695,000 Orange 12-Ora-5 Var.	In various cities on Routes 5, 91 and 405 at various locations including the Traffic Management Center (TMC). Outcome/Output: Install ITS equipment in Transportation Management System (TMS) cabinets and upgrade network equipment in communication hubs, field cabinets and the TMC. This project will install and upgrade 452 elements and is necessary to improve traffic mobility and safety. Preliminary Engineering: PA&ED $380,000 / $177,615; PS&E $650,000 / $0; R/W Supp $0 / $0 (Construction Support: $760,000)	12-2530H SHOPP/14-15 $3,000,000 1214000109 4 0N790	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.315	$54,000 $2,641,000
58 $600,000 Orange 12-Ora-5 R23.8	In Irvine, south of Sand Canyon Avenue. Outcome/Output: Upgrade Advanced Transportation Management System (ATMS) software to allow arterial detection using Bluetooth technology with supporting hardware in the Traffic Management Center (TMC). This project is necessary to improve traffic mobility and safety. Preliminary Engineering: PA&ED $0 / $0; PS&E $85,000 / $0; R/W Supp $0 / $0 (Construction Support: $175,000)	12-2200C SHOPP/14-15 $600,000 1215000082 4 0N822	2014-15 302-0890 FTF 20.20.201.315	$600,000
59 $3,815,000 Orange 12-Ora-5 Var.	In various cities on Routes 5, 73, 241 and 261 at various locations. Outcome/Output: Replace 149 existing analog cameras with high definition CCTV's to capture high resolution video images. This project is necessary to improve traffic mobility and safety. Preliminary Engineering: PA&ED $550,000 / $0; PS&E $800,000 / $849,837; R/W Supp $0 / $0 (Construction Support: $936,000)	12-2530G SHOPP/14-15 $4,700,000 1214000108 4 0N780	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.315	$49,000 $3,766,000

(EA 0N780/PPNO 2530G combined with EA 0N800/PPNO 2864B and EA 0H226/PPNO 2928B for construction under EA 0N780/ Project ID 1215000036.)

2.5 Highway Financial Matters

Project # / Allocation Amount / County / Dist-Co-Rte / Postmile	Location / Project Description	PPNO / Program/Year / Prgm'd Amount / Project ID / Adv Phase / EA	Budget Year / Item # / Fund Type / Program Code	Amount by Fund Type
2.5b.(1b) Projects Amended Into the SHOPP by Department Action				**Resolution FP-15-02**
60 $3,001,000 Orange 12-Ora-22 Var.	In Orange County on Routes 22, 57, and 405 at various locations. Outcome/Output: Install computer hardware at various hubs and controllers to provide internet protocol (IP) based ethernet communication for 351 field elements. This project is necessary to improve traffic mobility and safety. Preliminary Engineering: PA&ED $370,000 / $0; PS&E $888,000 / $0; R/W Supp $75,000 / $83,546 (Construction Support: $1,298,000)	12-2864B SHOPP/14-15 $3,700,000 1214000110 4 0N800	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.315	$49,000 $2,952,000
61 $1,100,000 Orange 12-Ora-73 R26.1/R28.0	In Costa Mesa, from Route 405 to Route 55. Outcome/Output: Install fiber optic communication system, CCTV and electronic equipment. The proposed improvements will increase the capability to transfer and receive data and video signals. This project is necessary to improve traffic mobility and safety. Preliminary Engineering: PA&ED $60,000 / $31,130; PS&E $250,000 / $216,262; R/W Supp $6,000 / $0 (Construction Support: $293,000)	12-4096N SHOPP/14-15 $1,100,000 1212000057 4 0H225	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.315	$75,000 $1,025,000
62 $3,515,000 Orange 12-Ora-405 0.2/8.7	In and near Irvine and Costa Mesa, from Route 5 to Route 55. Outcome/Output: Replace existing fiber optic cable, six existing CCTV's, two new cameras and upgrade ITS equipment. This project is necessary to improve traffic mobility and safety. Preliminary Engineering: PA&ED $487,000 / $616; PS&E $1,282,000 / $608,272; R/W Supp $7,000 / $7,916 (Construction Support: $1,203,000)	12-4928B SHOPP/14-15 $4,330,000 1212000058 4 0H226	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.315	$49,000 $3,466,000

(EA 0H226/PPNO 4928B combined with EA 0N780/PPNO 25306 and EA 0H226/PPNO 4928B for construction under EA 0N780/Project ID 1215000036.)

(EA 0H226/PPNO 4928B combined with EA 0N780/PPNO 25306 and EA 0N800/PPNO 2864B for construction under EA 0N780/Project ID 1215000036.)