

Memorandum

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: June 29-30, 2016

Reference No.: 2.1a.(1)
Action Item

From: NORMA ORTEGA
Chief Financial Officer

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

Subject: **SHOPP AMENDMENT 14H-497**

RECOMMENDATION:

The California Department of Transportation (Department) recommends the California Transportation Commission (Commission) approve the requested State Highway Operation and Protection Program (SHOPP) Amendment 14H-497; in accordance with Senate Bill 486 which requires the Commission to approve any changes or new projects amended into the SHOPP.

ISSUE:

Since the May 2016 report to the Commission, the Department recommends nine new capital projects to be amended into the 2014 SHOPP, as summarized in Attachment 1. The amendments noted below would be funded from the Major Damage Restoration and 2014 SHOPP programming capacity.

2014 SHOPP Summary of New Projects by Category	No.	FY 2014/15 (\$1,000)	FY 2015/16 (\$1,000)	FY 2016/17 (\$1,000)	FY 2017/18 (\$1,000)
Major Damage Restoration	9		\$25,005		
Total Amendments	9		\$25,005		

The Department also recommends that the capital projects, as summarized in Attachment 2, be amended into the 2014 SHOPP.

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 amends 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.

Resolution G-00-13, established in June 2000, provides the Department with 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.

Senate Bill 486, approved by Governor September 30, 2014, requires Commission approval of projects amended into the SHOPP.

Attachments

List of New 2014 SHOPP Capital Project Amendments

PPNO	Dist-Co-Rte PM EA Project ID	Project Location and Description of Work	R/W Cost Const. Cost (\$1,000)	FY	Support Costs (\$1,000)	Program Code Leg. /Congr. Dists. Perf. Meas.
Major Damage Restoration						
3662	2-Sis-96 Var 0H770 02 1600 0151	Near Happy Camp, at 1.5 miles west of Independence Bridge; also at 1.2 miles west of Davis Road. Replace failed culverts, place rock slope protection (RSP) and stabilize embankment.	\$5 (R/W) \$500 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total \$0 \$0 \$0 \$250 \$250	201.130 Assembly: 2 Senate: 4 Congress: 2 2 Locations
4126	3-Nev-80 R55.3/R55.4 1H650 03 1600 0218	Near Emigrant Gap, from 0.7 mile to 0.6 mile west of Carpenter Flat Undercrossing; also in Nevada County on Route 49, near Sweetland, at 0.4 mile north of Pleasant Valley Road; also in Yuba County on Route 49, near Camptonville, at 1.1 miles north of Willow Creek Campground. Replace failed culverts, stabilize embankment, place rock slope protection (RSP) and repair roadway.	\$490 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total \$5 \$0 \$0 \$50 \$55	201.130 Assembly: 3 Senate: 1 Congress: 4 4 Locations
1499A	4-SCI-152 1.8 1K640 04 1600 0278	Near Gilroy, at 1.3 miles west of Blackhawk Canyon Road. Repair washout with rock slope protection (RSP) and construct retaining wall.	\$10 (R/W) \$1,000 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total \$0 \$0 \$0 \$250 \$250	201.130 Assembly: 27, 28 Senate: 15 Congress: 15 1 Location
1450G	4-Son-101 0.7/2.6 2K230 04 1600 0392	Near Petaluma, from 0.2 mile north of Skinner Road to Kastania Road. Repair landslides by placing rock slope protection (RSP).	\$4,200 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total \$0 \$0 \$0 \$1,050 \$1,050	201.130 Assembly: 6 Senate: 3 Congress: 6 4 Locations
1499N	4-Son-116 R22.1 2K040 04 1600 0351	Near Graton, at Green Valley Road. Replace failed culvert, backfill sinkhole and repair roadway.	\$1,000 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total \$0 \$0 \$0 \$300 \$300	201.130 Assembly: 1 Senate: 2 Congress: 6 1 Location
6801	6-Fre-180 Var 0V400 06 1600 0205	Near Sequoia National Park, from 15.3 miles east of Route 63 to 7.9 miles east of Route 245. Remove and dispose of hazardous trees adjacent to roadway.	\$100 (R/W) \$6,500 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total \$0 \$250 \$100 \$975 \$1,325	201.130 Assembly: 29 Senate: 14 Congress: 21 2 Locations

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PPNO	Dist-Co-Rte PM EA Project ID	Project Location and Description of Work	R/W Cost Const. Cost (\$1,000)	FY	Support Costs (\$1,000)	Program Code Leg. /Congr. Dists. Perf. Meas.
Major Damage Restoration (Cont.)						
3174	10-Tuo-108 7.5/32.0 1G350 10 1600 0159	Near Sonora, from Soulsbyville Road to Old Strawberry Road. Remove and dispose of hazardous trees adjacent to roadway.	\$50 (R/W) \$6,500 (C)	15/16	PA & ED \$70 PS & E \$96 RW Sup \$24 Con Sup \$860 <u>Total</u> \$1,050	201.130 Assembly: 25 Senate: 14 Congress: 19 1 Location
3175	10-Tuo-120 29.0/R56.5 1G370 10 1600 0174	Near Yosemite National Park, from 5.1 miles east of Route 49 to Yosemite National Park Boundary Entrance. Remove and dispose of hazardous trees adjacent to roadway.	\$50 (R/W) \$4,200 (C)	15/16	PA & ED \$120 PS & E \$100 RW Sup \$24 Con Sup \$870 <u>Total</u> \$1,114	201.130 Assembly: 25 Senate: 14 Congress: 19 1 Location
1224	11-SD-78 31.9 42700 11 1600 0149	Near Ramona, at 0.1 mile west of Indian Oaks Road. Repair washout and extend drainage culvert.	\$400 (C)	15/16	PA & ED \$0 PS & E \$0 RW Sup \$50 Con Sup \$100 <u>Total</u> \$150	201.130 Assembly: 75, 77 Senate: 36 Congress: 49, 52 1 Location

2014 SHOPP Amendment 14H-497 Cost, Scope, Schedule and Technical Changes Includes Federal Emergency Relief Funds (\$ Thousands)															
Dist	County	Route	Post Miles	Description/Location	EA	PPNO	EFIS	Prog Code	FY	RW	Const	Support			
01	Mendocino	162	13.9/22.7	Near Dos Rios, from 1.2 miles to 1.0 miles west of Middle Fork Eel River Bridge and at to 2.8 miles east of Sand Bank Creek. Repair slipouts.	0B540	4554	0112000136	201.131	2015/16	140	1,750	PA&ED	161	161	
													PS&E	483	483
													RW	56	56
													Const	350	930
Comments: The scope of the project was modified when the design recommendation for one location changed from a rock buttress to a new tie-back soldierpile retaining wall, at greater cost; but a second location was removed from the project, balancing the cost. An increase in construction support is due to new added oversight by structural expert staff for new wall scope. These changes add \$580,000 to the cost of the project.															
02	Plumas	70	50.6/51.7	Near Quincy, from 0.6 mile west to 0.5 mile east of Spring Garden Bridge Overhead. Rehabilitate bridge.	2C090	3212	0200000161	201.110	2015/16	240	11,900	PA&ED	1,100	1,100	
													PS&E	1,400	1,400
													RW	230	230
													Const	2,800	2,905
Comments: Increase to programmed amount for Construction Support. Construction support has increased to account for the use of consultants performing material testing and inspection. This change adds \$105,000 to the cost of the project.															
04	Napa	29	37.0	In Calistoga, at Napa River Bridge No. 21-0018. Replace bridge.	3G640 3G641	0587G	0412000134 0416000348	201.111	2015/16	1,367 1,282	9,204 8,704	PA&ED	1,840	1,840	
													PS&E	1,900	1,900
													RW	610	610
													Const	1,900	2,100
Comments: Split off child project EA 04-3G64A to complete mitigation and plant establishment required by permitting agencies. Create child project EA 04-3G641 from parent EA 04-3G640 to complete roadway and bridge work. Increase construction support to administer the child mitigation project and to implement habitat creation and other permit conditions for the roadway/bridge portion of the project. This change adds \$350,000 to the cost of the project.															
04	Napa	121	8.9/9.4 9.2/9.4	Near Napa, at Sarco Creek Bridge No. 21-0008. Replace bridge.	2A320	0380L	0400000817	201.111	2015/16	2,500 2,400	9,650 9,550	PA&ED	1,800	1,800	
													PS&E	2,100	2,100
													RW	927	897
													Const	2,100	2,030
Comments: Split off child project EA 04-2A32A to complete mitigation and plant establishment required by permitting agencies. Increased cost for PS&E design for the mitigation project. These changes add \$50,000 to the cost of the project.															
07	Los Angeles	405	33.0/35.5	In the city of Los Angeles, near Bel Air, from Sunset Boulevard to south of Bel Air Crest Road. Upgrade existing temporary ramps.	29850	4629	0713000270	201.31	2015/16	14,830	750	PA&ED	480	480	
													PS&E	2,120	2,120
													RW	60	60
													Const	2,830	2,930
Comments: Dedicated bicycle lanes were added that were not contained in the original scope. The additional construction work adds \$100,000 to the cost of the project.															
07	Ventura	33	15.7	Near Ojai, near North Fork Matilija Creek Bridge. Construct retaining wall, stream rock weirs and fish habitat structures.	30520	4725	0714000092	201.131	2015/16	66	4,906	PA&ED	0	0	
													PS&E	600	600
													RW	50	50
													Const	1,500	2,587
Comments: It was determined in the design phase that storm flows would be too high during the wet season to construct the project and would adversely impact the endangered Steelhead Trout. As a result, construction will need to span over two seasons. The longer construction period adds \$1,087,000 to the cost of the project.															

2014 SHOPP Amendment 14H-497 Cost, Scope, Schedule and Technical Changes Includes Federal Emergency Relief Funds (\$ Thousands)														
Dist	County	Route	Post Miles	Description/Location	EA	PPNO	EFIS	Prog Code	FY	RW	Const	Support		
07	Ventura	126	10.2/10.4	Near Santa Paula, south of Route 126 and west of Briggs Road between Mission Rock Road and Pinkerton Road. Required off-site mitigation along the Santa Clara River for impacts incurred from two bridge projects. (EA 07-1760U and EA 07-0607U).	31060	4807	0715000003	201.111	2015/16	0	4,874	PA&ED	0	0
												PS&E	0	0
												RW	0	0
												Const	737	737
Comments: The project is being combined with EA 07-31480 (STIP) for construction under EA 07-3106U.														
10	San Joaquin	99	14.0/23.0	In Stockton, from Arch Road to Hammer Lane. Install ramp metering, fiber optic cable and traffic operation system elements.	1C421	3103	1015000131	201.315	2015/16	1	3,000	PA&ED	0	0
												PS&E	500	500
												RW	0	0
												Const	600	1,300
Comments: Increase to programmed amount for Construction Support. Construction support has increased due to an increase in the project working days and cost estimate. The cost estimate increase is for additional critical connections to ramp metering systems, monitoring stations, and controller cabinets, increased earthwork and longer conduit runs, and increased traffic control costs. Cost estimate increases will be addressed in a seperate Greater Than 120 book item at time of vote. This change adds \$700,000 to the cost of the project.														