State of California
DEPARTMENT OF TRANSPORTATION

California State Transportation Agency

Memorandum

TAB 63

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: March 16-17, 2016

Reference No.: 2.1a.
Action Item

PASSED BY CTC MAR 16 2016 CALIFORNIA TRANSPORTATION COMMISSION

From: NORMA ORTEGA
Chief Financial Officer

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

Subject: **SHOPP AMENDMENT 14H-495**

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-495; in accordance with Senate Bill 486 which requires the Commission to approve any changes or new projects amended into the State Highway Operation and Protection Program (SHOPP).

ISSUE:

Since the January 2016 report to the Commission, the Department recommends 19 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, Bridge Preservation 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	18		$24,370		
Bridge Preservation	1		$2,057		
Total Amendments	19		$26,427		

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-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							
1119	1-DN-101 21.2 0G030 01 1600 0117	Near Crescent City, at 0.2 mile north of Cushing Creek Viaduct. Stabilize landslide and roadway.	$20 (R/W) $2,000 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total	$0 $0 $30 $500 $530	201.130 Assembly: 1 Senate: 4 Congress: 1 1 Location
2446	1-Hum-36 32.2/32.3 0F940 01 1600 0104	Near Bridgeville, at 1.3 miles west of Larabee Valley Road. Repair slip-outs and damaged drainage system.	$10 (R/W) $600 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total	$0 $0 $10 $200 $210	201.130 Assembly: 1 Senate: 2 Congress: 1 2 Locations
4637	1-Men-1 0.0/R55.0 0F950 01 1600 0106	From Sonoma County Line to Caspar. Remove approximately 372 dead and diseased tree hazards.	$100 (R/W) $850 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total	$0 $0 $100 $500 $600	201.130 Assembly: 1 Senate: 2 Congress: 1 1 Location
4638	1-Men-271 18.4/20.3 0G020 01 1600 0116	Near Leggett, at Mc Coy Creek Sidehill Viaduct (No. 10-0100) and at 2.3 miles south of South Fork Eel River Bridge. Repair viaduct, slope, drainage and slip-out.	$20 (R/W) $750 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total	$0 $0 $15 $250 $265	201.130 Assembly: 1 Senate: 2 Congress: 1 2 Locations
3651	2-Plu-70 11.3 2H440 02 1600 0076	Near Belden, at 2.3 miles west of Chipps Creek Bridge. Remove loose rocks and stabilize slope.	$5 (R/W) $500 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total	$0 $0 $0 $250 $250	201.130 Assembly: 3 Senate: 1 Congress: 4 1 Location
3650	2-Sis-96 26.7 2H300 02 1600 0073	Near Happy Camp, at 1.1 miles east of Beck Ranch Road. Remove slide material and repair damaged roadway.	$600 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total	$0 $0 $0 $200 $200	201.130 Assembly: 2 Senate: 4 Congress: 2 1 Location
3652	2-Tri-299 12.3/12.9 2H450 02 1600 0077	Near Burnt Ranch, from 1.4 miles to 0.9 mile west of Mill Creek Road. Remove loose materials and stabilize embankment slip-out.	$50 (R/W) $3,450 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total	$0 $0 $0 $1,000 $1,000	201.130 Assembly: 1 Senate: 4 Congress: 2 1 Location

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.)							
3654	2-Tri-299 23.3 2H090 02 1600 0092	Near Del Loma, at Big French Creek Road. Provide lighting, monitoring and slide material removal.	$5 (R/W) $975 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total	$0 $0 $0 $300 $300	201.130 Assembly: 1 Senate: 4 Congress: 2 1 Location
5861	3-Sac-5 Var. 1H420 03 1600 0149	In Sacramento County on Routes 5 and 99 and in Yolo County on Routes 50 and 80 at various locations. Repair accelerated pavement failures.	$1,200 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total	$5 $0 $0 $160 $165	201.130 Assembly: 8, 9 Senate: 5, 6 Congress: 1, 5 4 Locations
6929	3-Sac-99 20.2 1H450 03 1600 0161	Near the city of Sacramento, at Turnbridge Drive Pedestrian Overcrossing (POC) No. 24-0169. Replace failing POC fence.	$900 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total	$5 $0 $0 $80 $85	201.130 Assembly: 9 Senate: 6 Congress: 5 1 Location
1497G	4-SM-1 R47.2 1K490 04 1600 0252	In Daly City, at Clarinada Avenue. Repair slope washout and drainage system.	$600 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total	$0 $0 $0 $150 $150	201.130 Assembly: 12 Senate: 8 Congress: 12 1 Location
2642	5-SBt-25 18.8/19.5 1H170 05 1600 0033	Near Pinnacles, from 2.7 to 2.0 miles south of Route 146. Construct detour and remove slide.	$10 (R/W) $1,500 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total	$45 $150 $10 $300 $505	201.130 Assembly: 28 Senate: 12 Congress: 17 1 Location
2643	5-SB-101 R15.0/R15.2 1H180 05 1600 0034	In Santa Barbara, from 0.2 to 0.4 mile north of Carrillo Street. Repair sinkhole and pavement damage caused by waterline break.	$500 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total	$10 $25 $0 $75 $110	201.130 Assembly: 35 Senate: 19 Congress: 23 1 Location
6786	6-Ker-5 82.9/85.8 0V040 06 1600 0121	Near Kettleman City, from 9.9 miles north of Route 46 to 7.6 miles south of Route 41 (also in Kings County on Route 5 from PM 0.0 to 9.0). Repair accelerated pavement failures.	$2,000 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total	$0 $40 $0 $125 $165	201.130 Assembly: 30 Senate: 16 Congress: 20 1 Location

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.)							
6782	6-Ker-99 7.3 0V030 06 1600 0107	Near Bakersfield, at Sandrini Road Overcrossing No. 50-0221. Repair bridge high load hit.	$1,000 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total	$0 $70 $0 $100 $170	201.130 Assembly: 32 Senate: 16, 18 Congress: 22 1 Location
4954	7-LA-39 28.0/31.0 4X810 07 1600 0239	Near Azusa, in the Angeles National Forest. Repair embankment washout and restore drainage systems.	$100 (R/W) $2,000 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total	$0 $0 $6 $400 $406	201.130 Assembly: 59 Senate: 29 Congress: 26 1 Location
4953	7-Ven-101 32.2/R34.8 4X800 07 1600 0230	Near the city of Ventura, from 0.7 mile north of West Main Street to 0.1 mile north of Dulah Road Undercrsossing; also on Route 1 from PM 21.5 to 23.3. Repair fire damage and place erosion measures.	$25 (R/W) $2,500 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total	$0 $0 $6 $500 $506	201.130 Assembly: 41 Senate: 23 Congress: 30 1 Location
3005F	8-SBd-40 R129.8 1G940 08 1600 0103	Near Needles, at Arbol Ditch Bridge No. 54-0204L/R. Place rock slope protection (RSP) to stabilize channel bank erosion at bridge supports.	$50 (R/W) $2,050 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total	$75 $100 $5 $200 $380	201.130 Assembly: 34 Senate: 18 Congress: 41 2 Locations
Bridge Preservation							
4062	1-Men-1 43.6/70.0 0E200 01 1400 0015	In Mendocino County at Albion River Bridge No. 10-0136, Russian Gulch Bridge No. 10-0151, and Ten Mile River Bridge No. 10-274. Repair bridge decks and strengthen. PAED: 11/30/2015 R/W: 05/02/2016 RTL: 05/06/2016 CCA: 10/13/2017	$30 (R/W) $2,027 (C)	15/16	PA & ED PS & E RW Sup Con Sup Total	$160 $355 $60 $550 $1,125	201.119 Assembly: 1 Senate: 2 Congress: 1 3 Bridges

List of Capital Project Amendments

Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support		
02	Lassen	395	R0.0/5.6	In Sierra and Lassen Counties, from Nevada State line to one mile north of Route 70. Rehabilitate pavement.	3464	4E420	0200020283	201.121	21	14,574	15/16	PA&ED PS&E RW Const	550 1,200 100 ~~800~~	550 1,200 100 **1,212**
Comments: This project is located in a remote location and requires significant lab and materials support. A structures maintenance review identified bridgework that was not originally in the scope, which requires additional lab support and services. In addition, there is increased support needed for the superpaving methodology. This increase is consistent with the required work for a CAPM and adds $412,000 to the cost of the project.														
04	Alameda	580	0.0/7.8	Near Livermore, from San Joaquin County line to east of Greenville overcrossing; also on Route 205 (PM 0.0/1.0) from San Joaquin county line to Midway Road undercrossing. Rehabilitate roadway.	8315V	3G590	0412000115	201.122	~~5~~ **55**	~~58,526~~ **58,476**	15/16	PA&ED PS&E RW Const	1,800 6,435 ~~179~~ 7,518	1,800 6,435 **29** 7,518
Comments: This project is being split to address the mitigation for an incidental take that will be delivered FY 18/19. The permit was received in January 2016 and $150,000 of funding will be rolled over to right of way support to fund the split mitigation project to purchase land for mitigation. Capital cost are being adjusted to align with the mitigation split.														
05	San Luis Obispo	101	~~44.8/50.7~~	In and near Atascadero and ~~Paso Robles~~ at various locations, from ~~Curbaril Avenue~~ to 0.7 mile north of North Paso Robles Overhead. Pave roadside, improve drainage, relocate utility boxes and ~~construct concrete~~ barriers.	2356	1C080	0512000071	201.235	5	2,529	~~15/16~~	PA&ED PS&E RW Const	551 516 5 ~~523~~	551 516 5 **622**
Comments: The project goes ~~through several~~ unincorporated communities. It was determined that public outreach was necessary which was ~~not~~ identified in the PID. With a more comprehensive ~~project~~ strategy to address the communities and updated unit cost for earthwork and traffic control requiring additional funding. The net ~~increase~~ to the project is $99,000.														
05	San Luis Obispo	101	R24.3	In and near San Luis Obispo, 1.6 miles south of Los Osos Valley Road. Replace bridge rails.	2606	1G460	0515000032	201.131	43	995	15/16	PA&ED PS&E RW Const	0 418 22 ~~494~~	0 418 22 **689**
Comments: The project work plan was updated with more detailed information identifying additional funding is needed during demolition, traffic control and false-work erection and removal. The net increase to the project is $195,000.														

withdrawn at the CTC meeting

Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support		
~~05~~	~~Santa Barbara~~	~~101~~	~~18.9/25.8~~	~~In and near Goleta, from El Sueno Road to 1.0 mile north of Storke Road/Glen Annie Road. Drought conservation improvements.~~	~~2617~~	~~1G810~~	~~0515000108~~	~~201.130~~	~~0~~	~~2,500~~	~~15/16~~	~~PA&ED~~ ~~PS&E~~ ~~RW~~ ~~Const~~	~~25~~ ~~100~~ ~~5~~ ~~200~~	~~25~~ ~~100~~ ~~5~~ ~~200~~
Comments: This project was to increase the use of recycled water by building a transmission line within the Caltrans right-of-way to convey recycled water from the Goleta Water District source to locations of existing right-of-way plantings currently irrigated with potable water. In further assessing program mandates, risks associated with recycled water expansion efforts, and issues related to railroad and creek crossings, a determination was made that the cost of the project vs the amount of water used makes the project infeasible.														
05	Santa Barbara	154	R5.9/22.9	Near Santa Ynez, from Baseline Avenue to Cold Spring Canyon Bridge. Rehabilitate pavement.	2428	1C830	0512000238	201.121	18	14,880	15/16	PA&ED PS&E RW Const	454 1,141 28 ~~1,451~~	454 1,141 28 **1,726**
Comments: The project work plan was updated with information that is more detailed. The number of working days has been increased and the utilization of consultants was identified requiring additional funding, adding $275,000 to the cost of this project														
06	Kern	43	16.1/25.2	In the cities of Shafter and Wasco, at various intersections. Construct pedestrian curb ramps.	6645	0P270	0612000090	201.361	255	1,206	15/16	PA&ED PS&E RW Const	0 750 410 ~~318~~	0 750 410 **400**
Comments: The number of working days was increased from the estimate identified in the PID. There was additional staging required to accommodate pedestrians at the various locations resulting in the need for an increase in funding for the project, adding $82,000 to the cost of this project.														
08	Riverside	VAR		In Riverside and San Bernardino Counties, on various routes. Replace weather system and highway advisory radios and update software.	0012H	1C630	0812000338	201.315	5	2,059	15/16	PA&ED PS&E RW Const	550 312 24 ~~480~~	550 312 24 **610**
Comments: This project has 25 locations, 5 new and 20 existing systems, that will require special footing designs. The original work plan did not account for the different locations and the logistics to support the project at the various locations in the district requiring additional funding, adding $130,000 to the cost of this project.														

Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support		
~~08~~	~~San Bernardino~~	~~10~~	~~12.0/12.8~~	~~In and near Fontana, from east of Etiwanda Avenue to west of Cherry Avenue. Modify drainage.~~	~~0134M~~	~~1C710~~	~~0813000002~~	~~201.010~~	~~0~~	~~1,295~~	~~15/16~~	PA&ED PS&E RW Const	~~328~~ ~~505~~ ~~17~~ ~~341~~	
Comments: It was determined that this project can be implemented as a CCO in a larger ongoing project resulting in a savings of $2,486,000.														
08	San Bernardino	15	R107.3	Near Barstow, at Clyde V. Kane Safety Roadside Rest Area. Rehabilitate Safety Roadside Rest Area.	3001G	0G842	0814000184	201.250	39	10,150	15/16	PA&ED PS&E RW Const	365 846 30 ~~1,960~~	365 846 30 **2,380**
Comments: This project has an increase in working days over what was estimated in the PID. In addition, the project location is remote and the cost of long term per diem needs to be included in the project, resulting in an increase of $420,000 to the cost of the project.														
11	San Diego	67	~~6.7/19.0~~ **R4.6/19.0**	~~In and near Poway, from Willow Road to Shady Oaks Drive. Construct median barrier.~~ **In and near Poway, from 0.2 mile south of Winter Gardens Boulevard Overcrossing to Shady Oaks Drive. Install median channelizers.**	0670	40320	1100000545	201.010	33	43,000	15/16	PA&ED PS&E RW Const	1,991 1,500 50 ~~3,145~~	1,991 1,500 50 **1,249**
Comments: The revised scope for this project is more cost effective than the original programmed project. The project will meet the need and purpose with median channelizes instead of median barriers, resulting in a savings of $1,896,000 to the project.														

Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support		
11	San Diego	94	59.7/60.2	~~Near Manzanita, from 0.8 to 1.3 miles east of Campo Creek Bridge.~~ Realign curve, widen shoulders, and remove fixed objects from clear recovery zone. **Near Manzanita, from 0.1 mile east of Church Road to 0.1 mile west of Kumeyaay Road.**	0919	29520	1100000670	201.010	615	6,171	15/16	PA&ED PS&E RW Const	790 948 199 ~~1,292~~	790 948 199 **1,633**
Comments: During a constructability review, it was determined that the number of working days planned was not adequate, adding $216,000 to the cost to the project.														
12	Orange	5	1.2/2.2	In San Clemente, at El Camino Real. Realign mainline horizontal curve, construct new approach slabs, and install warning sign structure and beacons.	2545	0M490	1212000090	201.010	14	9,400	15/16	PA&ED PS&E RW Const	0 2,500 156 ~~2,250~~	0 2,500 156 **3,300**
Comments: The super structure and foundation type retaining wall changed for this project resulting in the need for additional working days, adding $1,050,000 to the cost of the project.														
12	Orange	91	R1.0/5.4	In Buena Park and Anaheim, at Valley View Street ramps and State College Boulevard eastbound on-ramp. Improve wet pavement conditions, modify signals, lighting, delineation and pedestrian facilities.	4522A	0N360	1214000004	201.010	83	1,606	15/16	PA&ED PS&E RW Const	0 988 25 ~~421~~	0 988 25 **453**
Comments: The work plan for this project was updated with current rates resulting in an increase need for funding, adding $32,000 to the cost of the project.														