

Memorandum **TAB 80**

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: June 27-28, 2018

Reference No.: 2.1a.(1) –**REPLACEMENT ITEM**
Action Item

From: STEVEN KECK
Chief Financial Officer

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Division of Transportation
Programming

Subject: SHOPP AMENDMENT 16H-025

ISSUE:

Should the California Transportation Commission (Commission) approve the California Department of Transportation's (Department) request to amend the 2016 State Highway Operation and Protection Program (SHOPP) under SHOPP Amendment 16H-025?

RECOMMENDATION:

The Department recommends that the Commission approve SHOPP Amendment 16H-025 that will amend the 2016 SHOPP Program, in accordance with Senate Bill 486 and the Road Maintenance and Rehabilitation Program component of Senate Bill 1, which require the Commission to approve changes to projects in the SHOPP or to adopt new projects being amended into the SHOPP.

The Department recommends 21 new capital projects be amended into the 2016 SHOPP, as detailed in Attachment 1. These amendments summarized below, would be funded from the Major Damage Restoration, Collision Reduction and 2016 SHOPP programming capacity. These projects are consistent with the Transportation Asset Management Plan (TAMP).

2016 SHOPP Summary of New Projects by Category	No.	FY 2016-17 (\$1,000)	FY 2017-18 (\$1,000)	FY 2018-19 (\$1,000)	FY 2019-20 (\$1,000)
Major Damage Restoration	20		\$54,250		
Collision Reduction	1				\$2,011
Total Amendments	21		\$54,250		\$2,011

The Department also recommends an additional 1 new capital project be amended into the 2016 SHOPP, targeted to the four asset classes highlighted in Senate Bill 1, as detailed in Attachment 2 and summarized below. The amendments would be funded from the Bridge Preservation component of Senate Bill 1. This projects is consistent with the TAMP.

2016 SHOPP Summary of New Projects by Category	No.	FY 2016-17 (\$1,000)	FY 2017-18 (\$1,000)	FY 2018-19 (\$1,000)	FY 2019-20 (\$1,000)
Bridge Preservation	1		\$20,600		
Total Amendments	1		\$20,600		

The Department further recommends that the capital projects, detailed in Attachment 3 be amended in the 2016 SHOPP to update cost, scope and schedules and to make other technical changes. The amended projects are consistent with the Commission adopted Transportation Asset Management plan.

BACKGROUND:

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

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

Attachments

List of New 2016 SHOPP Capital Project Amendments

REPLACEMENT ITEM

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work	FY	Project Costs (\$1,000)		Program Code Leg./Congress. Dists. Perf. Meas.	
Major Damage Restoration						
1 01-Men-1 37.0/38.5 4715 0118000167 0J090	Near Elk, from 3.2 miles to 1.7 mile south of Route 128. Repair slipouts, drainage, remove slide material, and reconstruct roadway.	17-18	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$10 \$150 \$30 <u>\$1,500</u> \$1,690	17-18 17-18 17-18 17-18	201.130 Assembly: 2 Senate: 2 Congress: 2 1 Location(s)
2 01-Men-1 105.0 8501 0118000175 0J140	Near Leggett, at South Fork Eel River Bridge No. 10 -0149. Permanent restoration of steel truss bridge members damaged by high-load truck hit. PA&ED: N/A R/W: N/A RTL: N/A BC: N/A	17-18	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$5 \$250 \$20 <u>\$625</u> \$900	17-18 17-18 17-18 17-18	201.131 Assembly: 2 Senate: 2 Congress: 2 1 Location(s)
	Concurrent construction allocation under Resolution FP-17-60.					
	Note: Director's Order Emergency Limited Bid (ELB) project.					
3 01-Men-128 0.0/5.0 4716 0118000168 0J100	Near Albion, from Route 1 to 5.0 miles east of Route 1. Repair slipouts, drainage, remove slide material, and reconstruct roadway.	17-18	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$10 \$100 \$30 <u>\$1,000</u> \$1,140	17-18 17-18 17-18 17-18	201.130 Assembly: 2 Senate: 2 Congress: 2 1 Location(s)
4 02-Plu-70 31.4/31.6 3725 0218000158 4H610	Near Keddie, from 4.5 miles east of Twain Road to 1.4 miles west of Route 89. Repair and stabilize roadway.	17-18	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$120 \$1 <u>\$595</u> \$716	17-18 17-18 17-18 17-18	201.130 Assembly: 1 Senate: 1 Congress: 1 1 Location(s)

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Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work	FY	Project Costs (\$1,000)		Program Code Leg./Congress. Dists. Perf. Meas.	
<i>Major Damage Restoration, continued</i>						
5 03-ED-50 62.5/64.0 3332 0318000288 4H340	Near Phillips, from 0.9 mile east of Mount Ralston Road to 0.2 mile east of Sierra-at-Tahoe Road. Repair culverts, regrade ditches, stabilize slopes, and restore roadway.	17-18	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$10 \$290 \$0 <u>\$1,000</u> \$1,300	17-18 17-18 17-18	201.130 Assembly: 5 Senate: 1 Congress: 4 1 Location(s)
6 03-Sut-20 5.0/9.0 8144 0318000238 4H270	Near Meridian, from Sutter Bypass Bridge to Acacia Road. Repair deteriorated pavement.	17-18	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$200 \$0 <u>\$700</u> \$900	17-18 17-18	201.130 Assembly: 3 Senate: 4 Congress: 3 1 Location(s)
7 03-Yol-128 1.2 9305 0318000264 4H330	Near Winters, about 1.2 miles east of Putah Creek Bridge. Repair sinkhole.	17-18	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$5 \$95 \$0 <u>\$500</u> \$600	17-18 17-18 17-18	201.130 Assembly: 4 Senate: 3 Congress: 3 1 Location(s)
8 04-SCI-Var Var 2023B 0418000256 1Q370	In San Jose, on Routes 17, 101, 280, 680, and 880 at various locations. Repair damaged fence and reconstruct landscape/hardscape.	17-18	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$959 \$0 <u>\$3,838</u> \$4,797	17-18 17-18 17-18	201.130 Assembly: 24, 25, 27, 28, 30 Senate: 10, 13, 15, 17 Congress: 17, 18, 19 4 Location(s)
9 04-SCI-Var Var 2023C 0418000257 1Q380	In San Jose, on Routes 85, 87, and 680 at various locations. Repair damaged fence and reconstruct landscape/hardscape.	17-18	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$619 \$0 <u>\$2,468</u> \$3,087	17-18 17-18 17-18	201.130 Assembly: 24, 25, 27, 28 Senate: 10, 13, 15 Congress: 17, 18, 19 4 Location(s)
10 04-SM-84 R28.0 2023M 0418000295 1Q550	In Menlo Park, 0.2 mile south of University Avenue at the Ravenswood pump plant. Repair drainage pumps.	17-18	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$300 \$0 <u>\$1,000</u> \$1,300	17-18 17-18	201.130 Assembly: 24 Senate: 13 Congress: 14 1 Location(s)

List of New 2016 SHOPP Capital Project Amendments

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work	FY	Project Costs (\$1,000)		Program Code Leg./Congress. Dists. Perf. Meas.
<i>Major Damage Restoration, continued</i>					
11 04-Sol-80 20.9 2024B 0418000323 1Q730	In Farifield, at North Texas Street Overcrossing Bridge No. 23-0102. Reconstruct damaged bridge girders.	17-18	PA&ED	\$0	201.130 Assembly: 11 Senate: 3 Congress: 3 1 Location(s)
			PS&E	\$0	
			R/W Sup	\$0	
			Con Sup	\$380	
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$600</u>	
Total	\$980				
12 05-SBT-101 5.2/5.4 2760 0518000011 1J680	Near San Juan Bautista, at the San Benito River Bridge No. 43-004L. Replace joint seals.	17-18	PA&ED	\$10	201.130 Assembly: 30 Senate: 12 Congress: 20 1 Location(s)
			PS&E	\$100	
			R/W Sup	\$0	
			Con Sup	\$300	
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$1,000</u>	
Total	\$1,410				
13 06-Fre-5 29.1/48.6 6952 0618000173 0X650	Near Coalinga, from 0.9 mile south of Route 5/33 Inlterchange to 0.3 mile south of Panoche Road Overcrossing; also from, 0.2 mile south of Oxford Avenue Overcrossing to 0.4 mile north of Shields Avenue Overcrossing (PM 58.5/60.5). Repair deteriorated pavement.	17-18	PA&ED	\$0	201.130 Assembly: 31 Senate: 12 Congress: 21 2 Location(s)
			PS&E	\$0	
			R/W Sup	\$0	
			Con Sup	\$525	
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$1,500</u>	
Total	\$2,025				
14 06-Tul-190 39.9/47.0 6951 0618000172 0X640	Near Camp Nelson, from 24.6 miles east of Routes 190 and 65 intersection to McComber Drive. Repair roadway and remove slide debris.	17-18	PA&ED	\$0	201.130 Assembly: 26 Senate: 16 Congress: 23 1 Location(s)
			PS&E	\$0	
			R/W Sup	\$0	
			Con Sup	\$275	
			R/W Cap	\$0	
			<u>Const Cap</u>	<u>\$750</u>	
Total	\$1,025				
15 07-LA-47 0.8 5309 0718000239 1XH00	In the community of San Pedro, on Vincent Thomas Bridge No. 53-1471. Remove and replace long finger joint assemblies and repair elevators.	17-18	PA&ED	\$0	201.130 Assembly: 70 Senate: 35 Congress: 44 1 Location(s)
			PS&E	\$0	
			R/W Sup	\$100	
			Con Sup	\$1,155	
			R/W Cap	\$175	
			<u>Const Cap</u>	<u>\$4,625</u>	
Total	\$6,055				

List of New 2016 SHOPP Capital Project Amendments

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work	FY	Project Costs (\$1,000)			Program Code Leg./Congress. Dists. Perf. Meas.
<i>Major Damage Restoration, continued</i>						
16 07-LA-210 R28.4/R28.9 5312 0718000302 1XH30	In Pasadena, from Sierra Madre Boulevard Undercrossing to Foothill Boulevard Undercrossing. Replace collapsed culverts and repave concrete slopes.	17-18	PA&ED	\$0		201.130
			PS&E	\$0		Assembly: 41
			R/W Sup	\$0		Senate: 25
			Con Sup	\$435	17-18	Congress: 27
			R/W Cap	\$0		
			<u>Const Cap</u>	<u>\$1,450</u>	17-18	3 Location(s)
			Total	\$1,885		
17 09-Iny-168 R2.0 2660 0918000051 37780	Near Aspendell, about 1.2 miles west of South Lake Road. Repair arch culvert.	17-18	PA&ED	\$0		201.130
			PS&E	\$0		Assembly: 26
			R/W Sup	\$0		Senate: 8
			Con Sup	\$20	17-18	Congress: 8
			R/W Cap	\$0		
			<u>Const Cap</u>	<u>\$220</u>	17-18	1 Location(s)
			Total	\$240		
18 10-Mpa-49 31.0/R34.6 3405 1018000201 1J680	Near the community of Mariposa, at various locations. Repair slipouts.	17-18	PA&ED	\$50	17-18	201.130
			PS&E	\$300	17-18	Assembly: 5
			R/W Sup	\$50	17-18	Senate: 8
			Con Sup	\$1,400	17-18	Congress: 4
			R/W Cap	\$100	17-18	
			<u>Const Cap</u>	<u>\$8,900</u>	17-18	1 Location(s)
			Total	\$10,800		
19 10-Mpa-132 Var 3406 1018000199 1J660	In Mariposa, Stanislaus, and Tuolumne Counties, at various locations. Repair roadway, stabilize slopes, and replace culverts and headwalls.	17-18	PA&ED	\$40	17-18	201.130
			PS&E	\$120	17-18	Assembly: 5, 12
			R/W Sup	\$40	17-18	Senate: 8
			Con Sup	\$1,000	17-18	Congress: 4, 10
			R/W Cap	\$0		
			<u>Const Cap</u>	<u>\$6,000</u>	17-18	3 Location(s)
			Total	\$7,200		
20 10-Tuo-49 0.0/R6.5 6953 1018000200 1J670	Near Moccasin, from Mariposa County line to Routes 120/49 interchange at various locations. Roadway washout and slope repair.	17-18	PA&ED	\$40	17-18	201.130
			PS&E	\$120	17-18	Assembly: 5, 12
			R/W Sup	\$40	17-18	Senate: 8
			Con Sup	\$1,000	17-18	Congress: 4, 10
			R/W Cap	\$0		
			<u>Const Cap</u>	<u>\$5,000</u>	17-18	9 Location(s)
			Total	\$6,200		

List of New 2016 SHOPP Capital Project Amendments

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work	FY	Project Costs (\$1,000)		Program Code Leg./Congress. Dists. Perf. Meas.	
<i>Collision Reduction, continued</i>						
Collision Reduction						
21 12-Ora-90 4.0 4373 1217000042 0Q420	In Brea, at the intersection of Route 90 (Imperial Highway) with Jasmine Drive/Berry Street. Improve safety by modifying the existing traffic signals and lighting, adding safety lighting, and refreshing pavement striping.	19-20	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$313 \$370 \$216 \$337 \$17 <u>\$758</u> \$2,011	18-19 19-20 19-20 19-20 19-20 19-20 19-20	201.010 Assembly: 55 Senate: 29 Congress: 39 23 Collision(s) reduced
	PA&ED: 3/20/2019 R/W: 3/11/2020 RTL: 4/15/2020 BC: 9/1/2020					

List of New 2016 SHOPP Capital Project Amendments for Senate Bill 1 Projects

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work	FY	Project Costs (\$1,000)		Program Code Leg./Congress. Dists. Perf. Meas.
Bridge Preservation					
1 04-CC-4 R12.9 0298X 0418000298 22913	Near Martinez, at Grayson Creek Bridge No. 28 -0066 R/L. Replace bridges by Financial Contribution Only (FCO) to Contra Costa Transportation Authority.	17-18	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$100 \$0 \$0 \$0 <u>\$20,500</u> \$20,600	201.111 Assembly: 14 Senate: 7 Congress: 11 2 Bridge(s)
	PA&ED: 2/19/2009 R/W: 7/6/2018 RTL: 7/13/2018 BC: 12/31/2018				
	Concurrent construction allocation under Resolution FP-17-60.				

**List of 2016 SHOPP Amendments
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code		Project Costs (\$1,000)			
1 01-Hum-96 0.4 0.6 2462 0117000052 0G710	Near Willow Creek, at 0.1 mile east of Willow Creek Bridge the Willow Creek Maintenance Station. Transportation infrastructure improvement for zero-emission vehicle charging. <u>Performance Measure</u> 1 Location(s)	17-18 201.999	PA&ED PS&E R/W Sup * Con Sup R/W Cap <u>* Const Cap</u> Total	\$267 \$0 \$0 \$218 \$0 <u>\$381</u> \$866	Prior 17-18 17-18 17-18 17-18 17-18 17-18	\$267 \$250 \$39 \$218 \$14 <u>\$381</u> \$1,169	Prior 17-18 17-18 17-18 17-18 17-18

* Phase NOT Authorized.

Note: Program unfunded PS&E, R/W support, and R/W capital for zero-emission vehicle charging station project.

2 01-Lak-175 R25.0/27.5 3080 0100020013 0A040	Near Middletown, from east of Putah Creek Bridge to Dry Creek Bridge. Widen shoulders. <u>Performance Measure</u> 22 Collision(s) reduced	17-18 201.010	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$2,214 \$2,161 \$964 \$2,784 \$2,756 <u>\$10,221</u> \$21,100	Prior Prior Prior 17-18 17-18 17-18	\$2,214 \$2,161 \$964 \$2,484 \$2,746 <u>\$9,621</u> \$20,190	Prior Prior Prior 17-18 17-18 17-18
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Note: Split off mitigation and long term revegetation work for project EA 0A040/PPNO 01-3080 under EA 0A041/PPNO 01-3128.

3 01-Lak-175 R25.0/27.5 3128 0118000154 0A041	Near Middletown, from east of Putah Creek Bridge to Dry Creek Bridge. Mitigation planting and monitoring for EA 0A040, PPNO 01-3080. <u>Performance Measure</u> 0 Collision(s) reduced	18-19 201.010	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total			\$0 \$0 \$0 \$300 \$10 <u>\$600</u> \$910	18-19 18-19 18-19
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Note: Split off mitigation and long term revegetation work for project EA 0A040/PPNO 01-3080 under EA 0A041/PPNO 01-3128.

**List of 2016 SHOPP Amendments
 (Cost, Scope, Schedule and Technical Changes. Includes Federal Emergency Relief.)**

Project No. Dist-Co-Rte PM PPNO Project ID EA	Project Location and Description of Work Performance Measure	FY Program Code	Project Costs (\$1,000)					
4 02-Sha-5 R3.8/R7.0 R3.8/R11.7 3702 0218000024 0218000153 3H730 3H73U	In and near Anderson, from Route 273 to Sacramento River Bridge. Roadway rehabilitation, replace bridge, update signage and lighting, and add Intelligent Transportation System (ITS) elements. <u>Performance Measure</u> 6.4 Lane mile(s) 27.0 Lane mile(s)	18-19 201.120	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$3,000 \$220 \$6,900 \$1,221 \$33,081 \$44,422		\$0 \$3,000 \$220 \$9,100 \$1,221 \$46,981 \$60,522		Prior Prior 18-19 18-19 18-19 18-19
Concurrent construction allocation under Resolution FP-17-63.								
Note: For construction efficiency, cost savings, economy of scale, reduction of construction exposure to the traveling public and improved worker safety, it is proposed to combine projects EA 3H730/PPNO 02-3702 and EA 2H880/PPNO 02-3670 for construction under EA 3H73U/PPNO 02-3702.								
5 02-Sha-5 R6.2/R11.7 3670 2H880 0217000026	In and near Anderson, from south of Riverside Avenue Overcrossing to south of South Bonnyview Road/Churn Creek Road Overcrossing. Rehabilitate roadway, upgrade median barrier, update signage and lighting, and add Intelligent Transportation System (ITS) elements. This project is combined with an existing STIP project EA 02-4C403. <u>Performance Measure</u> 20.6 Lane mile(s)	18-19 201.121	PA&ED PS&E R/W Sup Con Sup R/W Cap <u>Const Cap</u> Total	\$0 \$0 \$0 \$2,200 \$0 \$13,900 \$16,100				18-19 18-19 18-19 18-19
Note: For construction efficiency, cost savings, economy of scale, reduction of construction exposure to the traveling public and improved worker safety, it is proposed to combine projects EA 3H730/PPNO 02-3702 and EA 2H880/PPNO 02-3670 for construction under EA 3H73U/PPNO 02-3702.								