

Memorandum

TAB 50

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: December 6-7, 2017

Reference No.: 2.1a.(3) – **REPLACEMENT ITEM**
Action Item

From: NORMA ORTEGA
Chief Financial Officer

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

Subject: **ZERO-EMISSION VEHICLES PROGRAM**
SHOPP AMENDMENT 16H-021

ISSUE:

Should the California Transportation Commission (Commission) approve a request by the California Department of Transportation (Department) to amend the State Highway Operation and Protection Program (SHOPP) in accordance with SHOPP Amendment 16H-021?

RECOMMENDATION:

The Department recommends that the Commission approve SHOPP Amendment 16H-021 that will amend into the SHOPP Program to be consistent with the Road Repair and Accountability Act (Senate Bill 1) Road Maintenance and Rehabilitation Program, requiring that the Department use advanced technologies and communications systems in transportation infrastructure that may include charging or fueling opportunities for zero-emission vehicles (ZEVs). The amendment is also consistent with the Governor’s 2016 ZEV Action Plan that requires the Department to install public direct current fast chargers (DCFC) at a minimum of 30 locations, including highway Safety Roadside Safety Rest Areas and other strategically located Department properties by December 2018. The amendments noted below will be funded from 2016 SHOPP programming capacity and are outlined in Attachment 1.

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)
Zero-Emission Vehicle Fueling	5		\$8,790	\$1,906	
Total Amendments	5		\$8,790	\$1,906	

BACKGROUND:

At the June 2017 Commission meeting, 11 ZEV projects were approved for Project Approval and Environmental Document only. Five of those 11 projects have completed that phase and are now requesting programming for Plans, Specifications and Estimates (PS&E) and/or Right-of-Way support (R/W). Although the Commission approved this action taken in June 2017, it still had concerns with the “soft costs” or support costs for these projects. The Department’s “30/30 Zero-Emission Vehicle Implementation Plan,” also presented at the December 2017 meeting,

outlines the DCFC installation strategy to mitigate gaps along the State Highway System key routes where sufficient commercial ZEV fueling opportunities do not currently exist. In collaboration with the California Energy Commission (CEC) and the Governor's Office, the Department will utilize CEC's gap analysis to help identify high priority corridors and sites for public DCFCs.

The Department is accelerating the delivery of these ZEV charging station projects to comply with infrastructure deployment timelines set by the Governor in Executive Order B-16-12. The Department's activities will not preclude private industry investment in ZEV fueling opportunities, but will pursue a range of funding options for maintaining and operating ZEV public fueling stations where available

Attachment

**List of 2016 SHOPP Amendments
 (Cost, Scope, Schedule and Technical Changes.)
 (ZEV)**

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 02-Sis-5 R56.1/R59.5 3671 021700032 2H890	Near Hornbrook, at Randolph Collier Safety Roadside Rest Area (SRRA), from 2.0 miles south of Klamath River Road Undercrossing to 1.2 miles north of Route 96; also on Route 96 at 2.0 miles east of Route 263. Transportation infrastructure improvement for zero-emission vehicle charging.	17-18 201.999	PA&ED	\$70	\$70
			PS&E		\$225
			R/W Sup		\$30
			Con Sup		\$190
			R/W Cap		\$7
			<u>Const Cap</u>		<u>\$529</u>
			Total	<u>\$70</u>	<u>\$1,051</u>
1 Location(s)					
2 02-Tri-299 54.9/60.2 3691 0217000110 3H430	Near Douglas City, at Moon Lim Lee Safety Roadside Rest Area (SRRA), from 0.4 mile east of Little Browns Creek Bridge to 0.8 mile west of Steel Bridge Road. Transportation infrastructure improvement for zero-emission vehicle charging.	17-18 201.999	PA&ED	\$70	\$70
			PS&E		\$175
			R/W Sup		\$3
			Con Sup		\$170
			R/W Cap		\$0
			<u>Const Cap</u>		<u>\$250</u>
			Total	<u>\$70</u>	<u>\$668</u>
1 Location(s)					
3 03-Gle-5 5129 0317000154 2H550	At N northbound (NB) and S southbound (SB) Willows Safety Roadside Rest Area (SRRA) (PM R14.6/R14.7); also, in Colusa County at NB and SB Maxwell SRRA (PM R24.4/R24.5), and in Nevada County on Route 80 at the WB and EB Donner Pass SRRA (PM R5.5L/R5.5R). Transportation infrastructure improvement for zero-emission vehicle charging.	17-18 201.999	PA&ED	\$300	\$300
			PS&E		\$300
			R/W Sup		\$20
			Con Sup		\$300
			R/W Cap		\$11
			<u>Const Cap</u>		<u>\$1,934</u>
			Total	<u>\$300</u>	<u>\$2,865</u>
6 Location(s)					
4 06-Fre-99 6875 0617000062 0V910	In Fresno and Tulare Counties, at various locations; also in Kern County on Route 5 at various locations. Transportation infrastructure improvement for zero-emission vehicle charging.	17-18 201.999	PA&ED	\$0	\$0
			PS&E	\$600	\$600
			R/W Sup	\$50	\$50
			Con Sup		\$600
			R/W Cap		\$46
			<u>Const Cap</u>		<u>\$4,000</u>
			Total	<u>\$650</u>	<u>\$5,296</u>
10 Location(s)					
5 08-SBd-15 R107.4 3007E 0817000103 1H660	At Clyde V. Kane northbound (NB) and southbound (SB) Safety Roadside Rest Areas (SRRA); also at Valley Wells NB and SB SRRA's (PM 161.2) . Transportation infrastructure improvement for zero-emission vehicle charging.	18-19 201.999	PA&ED	\$259	\$259
			PS&E		\$415
			R/W Sup		\$33
			Con Sup		\$265
			R/W Cap		\$10
			<u>Const Cap</u>		<u>\$1,183</u>
			Total	<u>\$259</u>	<u>\$2,165</u>
2 Location(s) 4 Location(s)					