



# ZERO-EMISSION VEHICLES INFRASTRUCTURE

Presented to the  
California Transportation Commission

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# PROJECT OVERVIEW

- Department request: SHOPP amendments for 11 projects (37 total sites)
- Projects will update existing Department assets
- Project sites include Safety Roadside Rest Areas, park and ride lots, maintenance stations, and district offices
- Public fast-charging opportunities
- Fulfilling Administration mandate for minimum of 30 DC fast chargers to be implemented by Caltrans

# SB 1: ZERO EMISSION VEHICLES (ZEVs)

- SB 1 authorized funding for ZEV refueling/charging infrastructure under the Road Maintenance and Rehabilitation Program:

“To the extent possible and cost effective, and where feasible, the department and cities and counties receiving funds under the program shall use advanced technologies and communications systems in transportation infrastructure that recognize and accommodate advanced automotive technologies that may include, but are not necessarily limited to, charging or fueling opportunities for zero-emission vehicles, and provision of infrastructure-to-vehicle communications for transitional or full autonomous vehicle systems (Cal. SHC § 2030d).”

# ADMINISTRATION ZEV POLICIES

- Executive Order B-16-12
  - directed state agencies to “support and facilitate the rapid commercialization of zero-emission vehicles”
- Governor’s 2016 ZEV Action Plan
  - Introduced actions to meet priorities in EO B-16-12
  - Included specific actions for the Department, including installation of public DC fast chargers at minimum of 30 strategically located Department properties, including rest areas, by December 2018

# PROPOSED SITES

Number	Location
1	1a: Willow Creek Maintenance Station (State Routes 96 and 299)
2	2a: Clearlake Oaks Maintenance Station (SR-20)
3	3a: Moon Lim Lee Safety Roadside Rest Area (SR-299)
4	4a: Randolph E. Collier Safety Roadside Rest Area-Southbound (I-5)
5	5a: Donner Summit Safety Roadside Rest Area-Eastbound (I-80)
6	5b: Donner Summit Safety Roadside Rest Area-Westbound (I-80)
7	5c: Willows Safety Roadside Rest Area-Southbound (I-5)
8	5d: Willows Safety Roadside Rest Area-Northbound (I-5)
9	5e: Maxwell Safety Roadside Rest Area-Southbound (I-5)
10	5f: Maxwell Safety Roadside Rest Area-Northbound (I-5)
11	6a: Edgewood Park and Ride (I-280)
12	7a: Camp Roberts Safety Roadside Rest Area-Southbound (U.S. 101)
13	7b: Camp Roberts Safety Roadside Rest Area-Northbound (U.S. 101)
14	7c: Shandon Safety Roadside Rest Area (SR-46)
15	8a: Tejon Pass Safety Roadside Rest Area-Northbound (I-5)
16	8b: Tejon Pass Safety Roadside Rest Area-Southbound (I-5)
17	8c: West Ave Maintenance Station (SR-99)
18	8d: Stockdale Park and Ride (Interchange of SR-58 and SR-99)
19	8e: Delano Maintenance Station (SR-99)
20	8f: North Region Maintenance Station (SR-99)
21	8g: District 6 Office (SR-99)
22	8h: C.H. Warlow Safety Roadside Rest Area (SR-99)
23	8i: Philip S. Raine Safety Roadside Rest Area-Southbound (SR-99)
24	8j: Philip S. Raine Safety Roadside Rest Area-Northbound (SR-99)
25	9a: Clyde V. Kane Safety Roadside Rest Area-Northbound (I-15)
26	9b: Clyde V. Kane Safety Roadside Rest Area-Southbound (I-15)
27	10a: Boron Safety Roadside Rest Area-Westbound (SR-58)
28	10b: Boron Safety Roadside Rest Area-Eastbound (SR-58)
29	10c: Crestview Safety Roadside Rest Area-Southbound (U.S. 395)
30	10d: Division Creek Safety Roadside Rest Area (U.S. 395)
31	10e: Coso Junction Safety Roadside Rest Area (U.S. 395)
32	10f: District 9 Office (U.S. 395)
33	11a: Westley Safety Roadside Rest Area-Southbound (I-5)
34	11b: Westley Safety Roadside Rest Area-Northbound (I-5)
35	11c: John "Chuck" Erreca Safety Roadside Rest Area-Southbound (I-5)
36	11d: John "Chuck" Erreca Safety Roadside Rest Area-Northbound (I-5)
37	11e: Lodi Park and Ride (SR-99)



# PARTNERSHIPS

- Department is exploring ZEV fueling/charging partnerships
- Potential partners for public charging: EVgo, Electrify America (VW), MBARD, utilities, local agencies
  - Department exploring at least three (3) sites for partnership with EVgo
  - Many partners seeking commercial locations, which may not be feasible with Department limitations
- Potential partners for workplace charging: CHP, EVgo, PG&E
  - Currently approved: 19 workplace sites with EVgo (inc. seven co-located with CHP)