

Trade Corridor Enhancement Program (TCEP)
Project Outputs

Project Title	District	FPNO	Output	Approved Quantity	Unit
(2024:16) Coastal Rail Infrastructure Resiliency Project - Area 4 and Sand Nourishment	75	CP171C	Mile(s) of rehabilitated track	0.67	Miles
(2024:16) Coastal Rail Infrastructure Resiliency Project (Area 3 Infrastructure)	75	CP171A	Pedestrian/Bicycle facilities mile(s) constructed	0.27	Miles
			Retaining Wall	1	Each
(2024:16) Coastal Rail Infrastructure Resiliency Project (Area 3 Project Management Support)	75	CP171B	Pedestrian/Bicycle facilities mile(s) constructed	0	Miles
12-0J34U Rte 055 Construct additional HOV, GP and Aux Lane	12	3474	Auxiliary lane constructed	4.5	Miles
			HOV/HOT mainline constructed	5.8	Miles
			Mixed flow mainline constructed	7.4	Miles
			Operational Improvements	1153	Daily vehicle hour(s) of delay (DVHD)
12-0K91U Rte/ 91 Combine 0K981 & 0R314 for Construction	12	4600B	Bicycle lane mile(s)	0.2	Miles
			Channelization	0.4	Each
			Interchange modification(s)	1	Each
			Intersection/Signal improvement(s)	1	Each
			Local reconstructed bridge(s)/tunnel(s)	86400	SQFT
			Transportation Management Systems	14	Field element(s)
7th Street Grade Separation (East)	4	2103D	Bicycle lane mile(s)	0.4	Miles
			Grade separation(s) / rail crossing improvement(s)	1	Each
			Local road lane-mile(s) rehabilitated	0.4	Miles
Accelerating Zero Emission Fleet Charging on Priority Freight Corridors - Fresno	6	Z001C	Energy Storage System - Capacity	4	MWh
			Number of AC charging ports	4	Each
			Number of DC charging ports	40	Each
			Number of Locations with ZEV infrastructure	1	Each
			Simultaneous EV charging site capacity	5000	kW
			Solar Capacity	0.75	MW
Accelerating Zero Emission Fleet Charging on Priority Freight Corridors - Oakland	4	Z001A	Energy Storage System - Capacity	4	MWh
			Number of AC charging ports	4	Each
			Number of DC charging ports	34	Each
			Number of Locations with ZEV infrastructure	1	Each
			Simultaneous EV charging site capacity	5100	kW
			Solar Capacity	0.75	MW
Accelerating Zero Emission Fleet Charging on Priority Freight Corridors - Ontario	8	Z001B	Number of AC charging ports	4	Each
			Number of DC charging ports	32	Each
			Number of Locations with ZEV infrastructure	1	Each
			Simultaneous EV charging site capacity	4000	kW
Accelerating Zero Emission Fleet Charging on Priority Freight Corridors - San Diego	11	Z001D	Number of AC charging ports	4	Each
			Number of DC charging ports	40	Each
			Number of Locations with ZEV infrastructure	1	Each
			Simultaneous EV charging site capacity	5000	kW
Alameda Corridor Southern Terminus Gap Closure	7	T0005	Local road operational improvement(s)	1	Each
			Mile(s) of new track	0.9	Miles
	75	T0005	Local road operational improvement(s)	1	Each
			Mile(s) of new track	0.9	Miles
America's Green Port Gateway: Pier B Early Rail Enhancements Project - East Expansion	75	6197	Mile(s) of new track	1.89	Miles
			Port improvement(s)	1	Each
America's Green Port Gateway: Pier B Early Rail Enhancements Project - Locomotive Facility	75	6198	Port improvement(s)	1	Each
Baker Boulevard Bridge and Zero-Emission Truck Infrastructure Project - Bridge Component	8	1349	Local reconstructed bridge(s)/tunnel(s)	43863	SQFT
			New sidewalk	2806	LF
			Shoulder widening	2	Each
Baker Boulevard Bridge and Zero-Emission Truck Infrastructure Project - Zero-Emission Component	8	1350	Number of DC charging ports	18	Each
			Number of Locations with ZEV infrastructure	1	Each
			Number of vehicle stalls available for charging	18	Each
			Simultaneous EV charging site capacity	4900	kW
Beyond the Dock - HD Electrification of the Port of Oakland Priority Trade Corridors	4	2364S	Number of DC charging ports	30	Each
			Number of Locations with ZEV infrastructure	1	Each
			Number of vehicle stalls available for charging	26	Each
			Simultaneous EV charging site capacity	2000	kW
Broadway to Gaslamp Track Signalization and Platform	75	T0016	Grade separation(s) / rail crossing improvement(s)	2	Each
			Mile(s) of rehabilitated track	1	Miles
			New station(s)	1	Each
Calixico East Port of Entry Truck Crossing Improvement	11	1335	Modified/Reconstructed bridge(s)/tunnel(s)	27825	SQFT
			Roadway lane mile(s) - new	44	Miles
Capital Region Freight - Elkhorn	3	1812	Local road - new	1	Miles
Capital Region Freight - I-5	3	5876	Auxiliary lane(s)	3.6	Miles
			Changeable message sign(s)	2	Each
			Close circuit television camera(s)	2	Each
			Freeway ramp meter(s)	8	Each
Capital Region Freight - I-80	3	5101A	Mixed flow mainline constructed	2.1	Miles
			Ramps modification(s)	2	Each
Carpinteria to Santa Barbara Widening - 4A Carpinteria Mitigation Pllg	5	7101L	Roadway Rehabilitation (3R)	0	Lane mile(s)
Carpinteria to Santa Barbara Widening - Segment 4A Combined	5	7101P	HOV/HOT lane-mile(s) constructed	5.8	Miles
			Modified/Improved interchange(s)	0	Each
			Modified/Reconstructed bridge(s)	4	Each
			Roadway Rehabilitation (3R)	7.9	Lane mile(s)
			Sound wall mile(s) constructed	1.47	Miles
Carpinteria to Santa Barbara Widening Project - Segment 4C Combined	5	7101S	HOV/HOT lane-mile(s) constructed	3.4	Miles
			Modified/Improved interchange(s)	1	Each
			Modified/Reconstructed bridge(s)	1	Each
			Roadway Rehabilitation (3R)	6.6	Lane mile(s)
			Sound wall mile(s) constructed	0.4	Miles
Castroville Boulevard Interchange	5	0057D	Interchange modification(s)	1	Each
			Pedestrian/Bicycle facilities mile(s) constructed	1.3	Miles
Centennial Corridor SB99 to WB58 Connector	6	8030	Interchange modification(s)	1	Each
Coastal Rail Infrastructure Resiliency Project - Emergency	75	CP171	Mile(s) of rehabilitated track	0.5	Miles
CVEF Design and Construction- Segment 2C	11	0999G	Port improvement(s)	1	Each
Del Mar Bluffs Phase 5	75	T0015	Mile(s) of rehabilitated track	1.6	Miles
East Basin Rail Gateway Expansion: Fourth Track at Ocean	7	T0019	Mile(s) of new track	0.85	Miles
			Mile(s) of rehabilitated track	0.28	Miles
	75	T0019	Mile(s) of new track	0.85	Miles
			Mile(s) of rehabilitated track	0.28	Miles
East Otay Mesa Land Port of Entry - Construction	11	0999I	Border crossing improvement(s)	1	Each
			Port improvement(s)	1	Each

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East Otay Mesa Land Port of Entry - Segment 3	11	0999C	Border crossing improvement(s)	1	Each
			Port improvement(s)	1	Each
EB SR-91 Atlantic Ave to Cherry Ave, Aux Lane Project	7	5496	Auxiliary lane(s)	0.86	Miles
Eliwanda Avenue Grade Separation	75	T0011	Af-Grade crossing(s) eliminated	1	Each
			Bicycle lane mile(s)	0.64	Miles
			Local road operational improvement(s)	1	Each
EV Oasis North_Corning	2	6299D	New local road bridge structure(s)	1	Each
			Number of DC charging ports	6	Each
			Number of Locations with ZEV infrastructure	1	Each
EV Oasis North_Livingston	10	6299A	Number of vehicle stalls available for charging	6	Each
			Number of DC charging ports	6	Each
			Number of Locations with ZEV infrastructure	1	Each
EV Oasis North_Redding	2	6299C	Number of vehicle stalls available for charging	6	Each
			Number of DC charging ports	6	Each
			Number of Locations with ZEV infrastructure	1	Each
EV Oasis North_Santa Nella	10	6299B	Number of vehicle stalls available for charging	6	Each
			Number of DC charging ports	6	Each
			Number of Locations with ZEV infrastructure	1	Each
EV Oasis South - Petro Ontario	8	6199A	Number of vehicle stalls available for charging	6	Each
			Energy Storage System - Capacity	3.9	MWh
			Number of DC charging ports	6	Each
			Number of Locations with ZEV infrastructure	1	Each
			Number of vehicle stalls available for charging	6	Each
			Simultaneous EV charging site capacity	3000	kW
EV Oasis South - Petro Wheeler Ridge	6	6240B	Solar Capacity	0.4	MW
			Energy Storage System - Capacity	3.9	MWh
			Number of DC charging ports	6	Each
			Number of Locations with ZEV infrastructure	1	Each
			Number of vehicle stalls available for charging	6	Each
			Simultaneous EV charging site capacity	3000	kW
EV Oasis South - TA Barstow	8	6199C	Solar Capacity	0.4	MW
			Energy Storage System - Capacity	3.9	MWh
			Number of DC charging ports	6	Each
			Number of Locations with ZEV infrastructure	1	Each
			Number of vehicle stalls available for charging	6	Each
			Simultaneous EV charging site capacity	3000	kW
EV Oasis South - TA Buttonwillow	6	6240C	Solar Capacity	0.4	MW
			Energy Storage System - Capacity	3.9	MWh
			Number of DC charging ports	6	Each
			Number of Locations with ZEV infrastructure	1	Each
			Number of vehicle stalls available for charging	6	Each
			Simultaneous EV charging site capacity	3000	kW
EV Oasis South - TA Wheeler Ridge	6	6240A	Solar Capacity	0.4	MW
			Energy Storage System - Capacity	3.9	MWh
			Number of DC charging ports	6	Each
			Number of Locations with ZEV infrastructure	1	Each
			Number of vehicle stalls available for charging	6	Each
			Simultaneous EV charging site capacity	3000	kW
EV Oasis South A	8	6199	Solar Capacity	0.4	MW
			Energy Storage System - Capacity	7.8	MWh
			Number of DC charging ports	24	Each
			Number of Locations with ZEV infrastructure	2	Each
			Number of vehicle stalls available for charging	24	Each
			Simultaneous EV charging site capacity	8100	kW
EV Oasis South B	6	6240	Solar Capacity	0.8	MW
			Energy Storage System - Capacity	11.7	MWh
			Number of DC charging ports	36	Each
			Number of Locations with ZEV infrastructure	3	Each
			Number of vehicle stalls available for charging	36	Each
			Simultaneous EV charging site capacity	8100	kW
EV Realty - South Bay Truck Charging Hub	7	Z003	Solar Capacity	1.2	MW
			Number of DC charging ports	60	Each
			Number of Locations with ZEV infrastructure	1	Each
			Number of vehicle stalls available for charging	60	Each
FITS: Joint Traffic Management Center/Emergency Operations Center (TMC/EOC) (Contract 3)	4	T0005	Simultaneous EV charging site capacity	7600	kW
			Port improvement(s)	1	Each
			TMC interconnect project(s)	1	Each
FITS: System Integration/GoPort Application/Smart Parking System (Contract 2)	4	T0004	Port improvement(s)	3.5	Each
			Software and hardware system(s)	1	Each
Five Cities Multimodal Transportation Network Enhancement Project	5	2653	Communications (fiber optics)	4.5	Miles
			Shoulder widening	1	Each
Five Cities Project-Landscape Mitigation Planting & Biological Monitoring	5	2653X	Facility Improvements	0	Each
			Auxiliary lane(s)	5	Miles
Fix 5 Cascade Gateway / I-5 Improvements Shasta	2	3597	Close circuit television camera(s)	1	Each
			Communications (fiber optics)	1.2	Miles
			Mainline shoulder(s) constructed	15.2	Miles
			Modified/Reconstructed bridge(s)/tunnel(s)	119522	SQFT
			Roadway lane mile(s) - new	7.6	Miles
			Slow vehicle lane(s)	23.7	Miles
FLEET - Freight Logistics Electrification for Emission-free Transport (Hayward)	4	2365A	Energy Storage System - Capacity	12	MWh
			Number of DC charging ports	84	Each
			Number of Locations with ZEV infrastructure	1	Each
			Simultaneous EV charging site capacity	12600	kW
Freight Intelligent Transportation System	75	T0003	Local road operational improvement(s)	1	Each
Freight Intelligent Transportation System - Port of Oakland - FITS (Contract 1)	4	T0003	Changeable message sign(s)	7	Each
			Close circuit television camera(s)	94	Each
			Communications (fiber optics)	3.5	Miles
			Local road operational improvement(s)	1	Each
			Traffic monitoring detection station(s)	63	Each
			Traffic signal interconnect project(s)	15	Each
Fyffe Avenue Grade Separation	75	T0002	Af-Grade crossing(s) eliminated	1	Each
			Grade separation(s) / rail crossing improvement(s)	1	Each
			Local road operational improvement(s)	1	Each
Grant Line Road Safety and Freight Mobility Project	3	5490	Intersection(s) constructed - new	1	Miles
			Local road - new	5.2	Miles
			Local road - reconstructed	5.2	Miles
Green Power Microgrid - EV Chargers	4	2090J	Number of AC charging ports	145	Each
Green Power Microgrid - Harbor Facilities	4	2090S	Energy Storage System - Capacity	6.5	MWh
			Number of DC charging ports	30	Each

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Green Power Microgrid - Seaport Terminals	4	2090T	Solar Capacity	1	MW
Green Power Microgrid - Seaport Terminals	4	2090T	Number of DC charging ports	115	Each
Green Power Microgrid - Solar	4	2090M	Solar Capacity	1	MW
Green Power Microgrid - Substations/BESS	4	2090L	Energy Storage System - Capacity	6.5	MWh
Harbor Scenic Drive Enhancements Project	7	6463	Changeable message sign(s)	7	Each
			Close circuit television camera(s)	7	Each
			Data Management	1	Each
			Local road - reconstructed	2	Miles
			Ramps modification(s)	3	Each
			Real-time Transit Information	10	Each
			Turn pocket(s) constructed	2	Each
Hueneme Road Widening - Edison Drive to Rice Avenue	7	6464	Bicycle lane mile(s)	3.7	Miles
			Roadway lane mile(s) - new	3.86	Miles
I-10 Corridor Freight and Express Lane Project - Contract 2	8	3019M	Auxiliary lane constructed	1.7	Miles
			HOV/HOT mainline constructed	22.2	Miles
I-10 Eastbound Truck Climbing Lane in Yucaipa	8	3009Q	Slow vehicle lane(s)	3	Miles
I-10 Express Lanes-San Antonio Ave to Route 15 (Contract 1)	8	3009P	HOV/HOT lane-mile(s) constructed	41.4	Miles
I-10/Riverside Ave Freight Improvement Project	8	1348	Intersection/Signal improvement(s)	2	Each
			Local road - reconstructed	0.5	Miles
			Sidewalk mile(s)	0.4	Miles
			Turn pocket(s) constructed	1	Each
			Two-way left turn lane(s)	1	Each
I-5 Golden State Chokepoint Relief	7	3189B	Auxiliary lane mile(s) constructed	3	Miles
			HOV/HOT lane-mile(s) constructed	27	Miles
			Modified/Reconstructed bridge(s)	8	Each
			Truck climbing lane mile(s) constructed	7	Miles
I-5 Managed Lanes Project	3	5860	HOV/HOT mainline constructed	23.44	Miles
I-5/SR-15/Harbor Drive 2.0	11	1447	Intersection/Signal improvement(s)	12	Each
			Local road - rehabilitated	2.1	Miles
			Ramps modification(s)	1	Each
			Repair existing sidewalk	816	LF
			Repair/Upgrade curb ramp	22	Each
			Sidewalk mile(s)	0.2	Miles
			Slow vehicle lane(s)	2.8	Miles
I-580/ International Parkway Interchange	10	3416	Communications (fiber optics)	0.56	Miles
			Interchange modification(s)	1	Each
			Intersection/Signal improvement(s)	2	Each
			Modified/Improved interchange(s)	18680	SQFT
			Pedestrian/Bicycle facilities mile(s) constructed	1.4	Miles
I-680/SR 4 Interchange Improvements Phases 2A and 4	4	0298F	Auxiliary lane(s)	2.8	Miles
			Interchange modification(s)	1	Each
			Ramps modification(s)	2	Each
I-710 Integrated Corridor Management Project	7	5793	Changeable message sign(s)	16	Each
			Channelization	3	Each
			Close circuit television camera(s)	21	Each
			Intersection/Signal improvement(s)	89	Each
			Software and hardware system(s)	107	Each
			TMC interconnect project(s)	10	Each
			Traffic monitoring detection station(s)	50	Each
			Traffic signal interconnect project(s)	95	Each
		6200	Changeable message sign(s)	16	Each
			Channelization	3	Each
			Close circuit television camera(s)	21	Each
			Intersection/Signal improvement(s)	89	Each
			Software and hardware system(s)	107	Each
			TMC interconnect project(s)	10	Each
			Traffic monitoring detection station(s)	50	Each
			Traffic signal interconnect project(s)	95	Each
I-80/Gilman Interchange Bicycle/Pedestrian Over-crossing and Access Improvements (Phase 2: Interchange)	4	2323B	Interchange modification(s)	1	Each
			Pedestrian/Bicycle facilities mile(s) constructed	1.08	Miles
I-80/I-680/Route 12 Interchange Package 2A	4	5301X	Modified/Improved interchange(s)	1	Each
			Modified/Reconstructed bridge(s)	1	Each
			New bridge(s)	1	Each
I-80/San Pablo Dam Interchange - Phase 2	4	0242K	Interchange modification(s)	1	Each
Intelligent Transportation System Technology (Advanced Technology Corridors at Border Ports of Entry)	11	1241	ITS element(s)	166	Each
			Transportation Management (Fiber Optic Cable)	13.8	Mile(s) of cable
Interstate 10 Corridor Freight and Managed Lane Project: I-15 to Sierra Avenue, Contract 2A	8	1325	Auxiliary lane constructed	0.35	Miles
			HOV/HOT mainline constructed	13.4	Miles
Interstate 10 Corridor Freight and Managed Lane Project: Sierra Ave to Pepper Ave, Contract 2B	8	1326	Auxiliary lane constructed	1.8	Miles
			HOV/HOT mainline constructed	9.4	Miles
Interstate 10 Corridor Freight and Managed Lane Project: Toll System Provider (TSP) (D/B Contract)	8	1327	Changeable message sign(s)	7	Each
			Close circuit television camera(s)	10	Each
			Traffic monitoring detection station(s)	20	Each
Interstate 10 Corridor Freight and Managed Lane Project: Zero-emission Fueling Infrastructure, Nikola	8	1329	Auxiliary lane constructed	1.7	Miles
			HOV/HOT mainline constructed	22.2	Miles
Interstate 10 Corridor Freight and Managed Lane Project: Zero-emission Fueling Infrastructure, WattEV	8	1328	Number of DC charging ports	36	Each
			Number of Locations with ZEV infrastructure	1	Each
			Number of vehicle stalls available for charging	36	Each
			Simultaneous EV charging site capacity	7200	kW
Interstate 15 Corridor Freight Improvement Project: Auxiliary Lanes and Express Lanes - Construction	8	0167M	Auxiliary lane constructed	5	Miles
			HOV/HOT mainline constructed	26.98	Miles
Interstate 15 Corridor Freight Improvement Project: Establish Existing Planting	8	3017P	Auxiliary lane constructed	5	Miles
			Changeable message sign(s)	16	Each
			Close circuit television camera(s)	16	Each
			HOV/HOT mainline constructed	25	Miles
			Software and hardware system(s)	8	Each
			Traffic monitoring detection station(s)	32	Each
Interstate 15 Corridor Freight Improvement Project: Toll System Provider (D/B Contract)	8	3017N	Changeable message sign(s)	16	Each
			Close circuit television camera(s)	16	Each
			Software and hardware system(s)	8	Each
			Traffic monitoring detection station(s)	32	Each
Interstate 605/Valley Boulevard Interchange Improvements Project	7	4382	Curve and vertical alignment correction(s)	4	Each
			Interchange modification(s)	1	Each
			Intersection/Signal improvement(s)	4	Each

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Project Title	District	PPNO	Output	Approved Quantity	Unit
			Ramps modification(s)	4	Each
			Shoulder widening	4	Each
La Media Road Improvements-TCEPS81L 5004(212)	11	1435	# Sign(s), light(s), greenway, or other safety / beautification	250	Each
			Culvert(s)	1322	LF
			Intersection/Signal improvement(s)	3	Each
			Local road - reconstructed	0.9	Miles
			Modify driveway	316	LF
			New sidewalk	10910	LF
Livingston Widening Northbound	10	0161A	Mixed flow lane-mile(s) constructed	7.65	Miles
Long Beach-East Los Angeles Corridor Zero-Emissions Truck Project (Forum Mobility)	7	Z004A	Number of DC charging ports	59	Each
			Number of vehicle stalls available for charging	107	Each
Long Beach-East Los Angeles Corridor Zero-Emissions Truck Project (MNB Energy)	7	Z004B	Number of DC charging ports	30	Each
			Number of vehicle stalls available for charging	26	Each
McKinley Street Grade Separation	8	1272	At-Grade crossing(s) eliminated	26385	SQFT
			Grade separation(s) / rail crossing improvement(s)	1	Each
			Intersection/Signal improvement(s)	5	Each
			Roadway lane mile(s) - new	3.75	Miles
			Sidewalk mile(s)	0.75	Miles
Modesto EV Charging	10	3701	Number of DC charging ports	2	Each
			Number of Locations with ZEV infrastructure	1	Each
Montebello Boulevard Grade Separation Project	75	T0008	At-Grade crossing(s) eliminated	1	Each
			Grade separation(s) / rail crossing improvement(s)	1	Each
National City Marine Terminal Rail Track Extension Project	75	T0012	Operational improvement(s)	1	Each
Nev 49 Corridor Improvement Project	3	4136A	Collision Severity Reduction	0.38	Annual fatal and serious injury collision(s)
			Intersection/Signal improvement(s)	1	Each
			Slow vehicle lane(s)	1.5	Miles
			Truck climbing lane(s) constructed	1	Miles
North County Corridor Project - Phase 1 from Claribel Road to Claus Road.	10	3507	At-Grade crossing(s) eliminated	37400	SQFT
			Bicycle lane mile(s)	2.4	Miles
			Changeable message sign(s)	2	Each
			Grade separation(s) / rail crossing improvement(s)	1	Each
			Install new detectable warning surface	750	SQFT
			Intersection(s) constructed - new	4.83	Miles
			Local road - new	2	Miles
			Mainline shoulder(s) constructed	3.12	Miles
			Mixed flow mainline constructed	6.24	Miles
			New bridge(s)/tunnel(s)	39900	SQFT
			New crosswalk	1320	LF
			New curb ramp installed	35	Each
			New interchange(s)	40800	SQFT
			New local road bridge structure(s)/tunnel(s)	24920	SQFT
			Ramp(s) and connector(s) constructed	1.59	Miles
Otay Mesa East Land Port of Entry Early Work Package	11	0999H	Border crossing improvement(s)	0.1	Each
Otay Mesa East Port of Entry Construction - Underground Utilities and Grading Work Package	11	0999K	Border crossing improvement(s)	0.01	Each
Otay Mesa East Port of Entry Technology Package	11	0999J	Border crossing improvement(s)	0.01	Each
Otay Mesa East Port of entry-Segment 3A	11	0999F	Border crossing improvement(s)	1	Each
			Port improvement(s)	1	Each
Otay Mesa Truck Route, Phase 4A	11	1334	Intersection(s) modified	2	Each
			Local road lane-mile(s) rehabilitated	1.27	Miles
			Local road operational improvement(s)	1	Each
Padaro - (Segment 4B) Combined	5	7101R	HOV/HOT lane-mile(s) constructed	5.8	Miles
			Modified/Improved interchange(s)	0	Each
			Modified/Reconstructed bridge(s)	6	Each
			Roadway Rehabilitation (3R)	11.5	Lane mile(s)
			Sound wall mile(s) constructed	0.76	Miles
Park and Ride EV Charging	8	1347	Number of DC charging ports	8	Each
Pennsylvania Avenue Grade Separation Project	8	3025G	Grade separation(s) / rail crossing improvement(s)	1	Each
			Intersection/Signal improvement(s)	2	Each
			New bridge(s)/tunnel(s)	10477	SQFT
Pier G and J Double Track	7	T0007	Local road operational improvement(s)	1	Each
			Mile(s) of new track	1.7	Miles
			Local road operational improvement(s)	1	Each
			Mile(s) of new track	1.7	Miles
Pla-80 EB Aux Lane and WB 5th Lane	3	5101C	Auxiliary lane(s)	1.9	Miles
			Mixed flow mainline constructed	2.1	Miles
			Ramps modification(s)	3	Each
POLA Rail System Efficiency/Emission Reduction Program - Terminal Island Rail Infrastructure Project	7	6465	Mile(s) of rehabilitated track	0.95	Miles
			New/Upgraded Facility	1	Each
			Port improvement(s)	1	Each
			Rail/Transit Equipment	21	Each
Port of Los Angeles - Fenix Terminal Railyard Expansion & Modernization Project	7	5830	Port improvement(s)		Each
			Port improvement(s)	1	Each
Port of Los Angeles Maritime Support Facility (MSF) Access/Terminal Island Rail System Grade Separation Project	7	6201	Grade separation(s) / rail crossing improvement(s)	1	Each
Port of San Diego Tenth Avenue Marine Terminal Beyond Compliance Environmental Enhancement Project	11	T0013	Local road operational improvement(s)	1	Each
Port of Stockton Rail Bridge, Phase I	10	T0018	Grade separation(s) / rail crossing improvement(s)	1	Each
			Grade separation(s) / rail crossing improvement(s)	1	Each
Port to Border California Freight Electrification Project - Long Beach	7	Z002A	Number of DC charging ports	8	Each
			Number of Locations with ZEV infrastructure	1	Each
			Number of vehicle stalls available for charging	8	Each
			Simultaneous EV charging site capacity	10000	kW
Port to Border California Freight Electrification Project - Otay Mesa	11	Z002B	Number of DC charging ports	8	Each
			Number of Locations with ZEV infrastructure	1	Each
			Number of vehicle stalls available for charging	8	Each
			Simultaneous EV charging site capacity	10000	kW
Quiet Zone Safety Engineering Measures	75	T0004	Grade separation(s) / rail crossing improvement(s)	3	Each
			Intersection(s) modified	4	Each
			Local road operational improvement(s)	9	Each
			Sidewalk mile(s)	0.13	Miles
Rail Safety Enhancement Program - Phase A (Package 1)	4	2365B	Grade separation(s) / rail crossing improvement(s)	8	Each
			New sidewalk	585	LF
			Repair existing sidewalk	980	LF
Rail Safety Enhancement Program - Phase A (Package 2)	4	2365C	Grade separation(s) / rail crossing improvement(s)	10	Each
			New sidewalk	248	LF
			Repair existing sidewalk	1624	LF
Rail Safety Enhancement Program - Phase A (Package 3)	4	2365D	Grade separation(s) / rail crossing improvement(s)	6	Each
			New sidewalk	500	LF

Trade Corridor Enhancement Program (TCEP)
Project Outputs

Project Title	District	PPNO	Output	Approved Quantity	Unit
Redding to Anderson Six Lane - Phase 1 & 2	2	3445A	Repair existing sidewalk	791	LF
			Mixed flow lane-mile(s) constructed	15	Miles
			Modified/Reconstructed bridge(s)	8	Each
			New bridge(s)	2	Each
Rice Avenue & Fifth Street Grade Separation Project	7	4961	Operational improvement(s)	6	Each
			At-Grade crossing(s) eliminated	1	Each
			Bicycle lane mile(s)	1.4	Miles
			Local road operational improvement(s)	1	Each
	75	4961	Sidewalk mile(s)	1.65	Miles
			At-Grade crossing(s) eliminated	1	Each
			Bicycle lane mile(s)	1.4	Miles
			Local road operational improvement(s)	1	Each
Rosecrans / Marquardt Grade Separation	75	2002A	Sidewalk mile(s)	1.65	Miles
			Bicycle lane mile(s)	0.88	Miles
			Grade separation(s) / rail crossing improvement(s)	1	Each
			Sidewalk mile(s)	0.72	Miles
Route 125/905 Connector	11	1036	Modified/Improved interchange(s)	1	Each
Route 132 Expressway, Phase 1	10	0944M	Mixed flow lane-mile(s) constructed	8.6	Miles
Route 395 Widening from SR 18 to Chamberlaine Way	8	0260J	Intersection(s) modified	5	Each
			Mixed flow lane-mile(s) constructed	10.8	Miles
			Modified/Reconstructed bridge(s)	2	Each
			Sound wall mile(s) constructed	0.55	Miles
Route 46 Expressway Segment 4C	6	3386E	Turn pocket(s) constructed	22	Each
			Intersection/Signal improvement(s)	2	Each
			Roadway lane mile(s) - new	6.9	Miles
			Interchange modification(s)	1	Each
Route 46/Union Road Intersection Improvements	5	2528	Pedestrian/Bicycle facilities mile(s) constructed	0.5	Miles
			Auxiliary lane(s)	1.5	Miles
			Interchange modification(s)	4	Each
Route 57/60 Confluence: Chokepoint Relief Project	7	5394	New bridge(s)/tunnel(s)	163929	SQFT
			Auxiliary lane mile(s) constructed	0.5	Miles
			Modified/Improved interchange(s)	1.1	Each
			Sound wall mile(s) constructed	0.2	Miles
Route 60 Truck Safety and Efficiency Project - Phase 1A	8	3010I	Auxiliary lane mile(s) constructed	0.8	Miles
			Bicycle lane mile(s)	0.5	Miles
			Modified/Improved interchange(s)	1	Each
			Modified/Reconstructed bridge(s)	1	Each
Route 605 / 91 Interchange Improvement: Gateway Cities Freight Crossroads Project	7	5388	Auxiliary lane(s)	2.9	Miles
			Interchange modification(s)	1	Each
			Mixed flow mainline constructed	2.9	Miles
			Modified/Improved interchange(s)	31981	SQFT
Route 71 Expressway to Freeway Conversion (South Segment)	7	2741S	HOV/HOT lane-mile(s) constructed	6	Miles
			Mixed flow lane-mile(s) constructed	6	Miles
			Sound wall mile(s) constructed	3.9	Miles
			Auxiliary lane constructed	1	Miles
Route 71/91 Interchange EB-NB Connector	8	0077G	Auxiliary lane(s)	0.5	Miles
			Culvert(s)	2000	LF
			Freeway ramp meter(s)	1	Each
			Grade separation(s) / rail crossing improvement(s)	1	Each
			Interchange modification(s)	1	Each
			Modified/Improved interchange(s)	200000	SQFT
			New curb ramp installed	2	Each
			New local road bridge structure(s)/tunnel(s)	10000	SQFT
			Ramp(s) and connector(s) constructed	2.5	Miles
			Ramps modification(s)	1	Each
			Traffic monitoring detection station(s)	1	Each
			Intersection(s) modified	3	Each
			Operational improvement(s)	1	Each
			Pedestrian/Bicycle facilities mile(s) constructed	0.8	Miles
RT 49 Corridor Improvements, La Barr--McKnight, SB Truck Climbing Lane project	3	4117	Intersection/Signal improvement(s)	1	Each
			Slow vehicle lane(s)	1.5	Miles
			Truck climbing lane(s) constructed	1	Miles
			Intersection/Signal improvement(s)	3	Each
Sacramento County WaTEV Innovative Freight Terminal (SWIFT)	3	1821	New/Upgraded Facility	2	Each
			Number of DC charging ports	108	Each
			Solar Capacity	21	MW
			Turn pocket(s) constructed	1	Each
San Dieguito Double Track Phase 1	75	LP003	Mile(s) of new track	0.8	Miles
San Onofre to Pulgas Double Track Phase 2	75	2190	Mile(s) of new track	0.5	Miles
Shell Beach Road Shared Use Path Extension	5	3196	Pedestrian/Bicycle facilities mile(s) constructed	2	Miles
Siempre Viva Interchange and Site Preparation Design for Commercial Vehicle Enforcement Facility - Segment 2B	11	0999E	New interchange(s)	1	Each
			Operational improvement(s)	1	Each
Solano 80 Managed Lanes	4	0658L	HOV/HOT mainline constructed	36	Miles
Solano 80 Managed Lanes Toll System Integration	4	0658N	Communications (fiber optics)	36	Miles
Sorrento to Miramar, Phase 2 Intermodal Improvements	75	T0014	Mile(s) of new track	1.9	Miles
			Operational improvement(s)	1	Each
South Coast 101 HOV Lanes - Carpinteria (Segment 4A)	5	7101C	HOV/HOT lane-mile(s) constructed	5.8	Miles
			Modified/Improved interchange(s)	0	Each
			Modified/Reconstructed bridge(s)	4	Each
			Sound wall mile(s) constructed	1.47	Miles
South Madera 6 Lane	6	6297	Auxiliary lane constructed	1	Miles
			Changeable message sign(s)	2	Each
			Culvert(s)	3000	LF
			Mixed flow lane-mile(s) constructed	11.6	Miles
			Ramps modification(s)	2	Each
			Roadway lane mile(s) - new	24	Miles
Southern California Hydrogen Fueling Stations - Phase 1 (Construction)	8	1318	Hydrogen site capacity per day	4000	kg H2/day
			Number of hydrogen nozzles		Each
			Number of Locations with ZEV infrastructure	1	Each
Southern California Hydrogen Fueling Stations - Phase 1 A (Procurement)	8	1318A	Number of hydrogen nozzles	1	Each
Southern California Hydrogen Fueling Stations - Phase 2	7	1319	Facility Improvements	1	Each
Southern California Hydrogen Fueling Stations - Phase 3 (Construction)	8	1320	Hydrogen site capacity per day	20000	kg H2/day
			Number of hydrogen nozzles		Each
			Number of Locations with ZEV infrastructure	3	Each
Southern California Hydrogen Fueling Stations - Phase 3 A (Procurement)	8	1320A	Hydrogen site capacity per day		kg H2/day
			Number of hydrogen nozzles	5	Each
			Number of Locations with ZEV infrastructure		Each

Trade Corridor Enhancement Program (TCEP)
Project Outputs

Project Title	District	PPNO	Output	Approved Quantity	Unit			
SR 132 West Gates to Dakota	10	3593	Channelization	1	Each			
			Culvert(s)	52	LF			
			Mainline shoulder(s) constructed	14	Miles			
			New bridge(s)/tunnel(s)	25364	SQFT			
SR 4 Wagon Trail Realignment Project (Eastern Segment)	10	3546	Roadway lane mile(s) - new	11.5	Miles			
			Curve and vertical alignment correction(s)	5	Each			
			Mainline shoulder(s) constructed	6.42	Miles			
			Roadway lane mile(s) - new	6.42	Miles			
SR 46 Expressway Conversion - Antelope Grade Segment	5	0226L	Turn pocket(s) constructed	7	Each			
			Roadway lane mile(s) - new	7.8	Miles			
SR 60/World Logistics Center Parkway Interchange Replacement Project	8	3025F	# Sign(s), light(s), gateway, or other safety / beautification	2	Each			
			Auxiliary lane constructed	2	Miles			
			Culvert(s)	1600	LF			
			Intersection/Signal improvement(s)	2	Each			
			Modified/Reconstructed bridge(s)/tunnel(s)	14000	SQFT			
			Pedestrian/Bicycle facilities mile(s) constructed	2	Miles			
			Ramps modification(s)	4	Each			
			Grade separation(s) / rail crossing improvement(s)	1	Each			
SR-15 Operational Improvements	11	1417	Interchange modification(s)	1	Each			
			Port improvement(s)	1	Each			
			Auxiliary lane mile(s) constructed	0.4	Miles			
			Modified/Reconstructed bridge(s)	1	Each			
SR-57 - Lambert Road Interchange Improvements	12	3834	Operational improvement(s)	14	Each			
			Auxiliary lane(s)	0.49	Miles			
			Bicycle lane mile(s)	0.75	Miles			
SR-60/Potrero Boulevard Interchange Phase II	8	1321	Interchange modification(s)	1	Each			
			Sidewalk mile(s)	0.89	Miles			
			Changeable message sign(s)	2	Each			
			Close circuit television camera(s)	4	Each			
State Route 37 Sears Point to Mare Island Improvement Project Phase 2	4	5202A	Communications (fiber optics)	8.6	Miles			
			Extinguishable message sign(s)	1	Each			
			HOV/HOT mainline constructed	8.2	Miles			
			Intersection/Signal improvement(s)	2	Each			
			Modified/Improved interchange(s)	10824	SQFT			
			Ramps modification(s)	1	Each			
			Traffic monitoring detection station(s)	7	Each			
State Route 47-Vincent Thomas Bridge and Harbor Boulevard-Front Street Interchange Improvement Project	7	5088	Interchange modification(s)	1	Each			
			Intersection/Signal improvement(s)	1	Each			
			Port improvement(s)	1	Each			
State Route 71 Gap Closure Project Phase 2	7	2741N	HOV/HOT lane-mile(s) constructed	4	Miles			
			Mixed flow lane-mile(s) constructed	4	Miles			
			Modified/Reconstructed bridge(s)	2	Each			
			New bridge(s)	1	Each			
State Route 84 / United States Route 101 Interchange Reimagined Project	4	0692K	Grade separation(s) / rail crossing improvement(s)	2	Each			
			Interchange modification(s)	1	Each			
			Intersection/Signal improvement(s)	6	Each			
			Modified/Improved interchange(s)	70314	SQFT			
			Pedestrian/Bicycle facilities mile(s) constructed	4.2	Miles			
State Route 91 Operational and Multimodal Improvements Project from SR-55 to Lakeview Avenue -TCEP	12	4600A	Bicycle lane mile(s)	0.2	Miles			
			Channelization	0.4	Each			
			Interchange modification(s)	1	Each			
			Intersection/Signal improvement(s)	1	Each			
			Local reconstructed bridge(s)/tunnel(s)	86400	SQFT			
			Grade separation(s) / rail crossing improvement(s)	1	Each			
Stockton Diamond Grade Separation	10	9883	Grade separation(s) / rail crossing improvement(s)	1	Each			
			Grade separation(s) / rail crossing improvement(s)	1	Each			
Tenth Avenue Marine Terminal Beyond Compliance Environmental Enhancement Project	75	T0013	Local road operational improvement(s)	2	Each			
			Operational improvement(s)	2	Each			
Terminal Island Railyard Enhancement Project	7	T0006	Local road operational improvement(s)	1	Each			
			Mile(s) of new track	5.8	Miles			
			New local road bridge structure(s)	1	Each			
			Local road operational improvement(s)	1	Each			
TOWN Rail Safety Improvements	4	2090K	Mile(s) of new track	5.8	Miles			
			New local road bridge structure(s)	1	Each			
			# Sign(s), light(s), gateway, or other safety / beautification	500	Each			
			Crosswalk	16	Each			
Tulare SR 99 Corridor and Paige Avenue Multimodal Interchange Enhancements	6	6369	Culvert(s)	2500	LF			
			Curve and vertical alignment correction(s)	4	Each			
			Grade separation(s) / rail crossing improvement(s)	3	Each			
			Intersection/Signal improvement(s)	4	Each			
			Local road - reconstructed	0.66	Miles			
			Local road - rehabilitated	0.75	Miles			
			Modify driveway	320	LF			
			New curb ramp installed	30	Each			
			New sidewalk	1400	LF			
			Pedestrian/Bicycle facilities mile(s) constructed	0.66	Miles			
			Port improvement(s)	2	Each			
			Remove obstruction(s)	500	Each			
			Repair existing sidewalk	600	LF			
			TMC interconnect project(s)	2	Each			
			Turnbull Canyon Road Grade Separation Project	75	T0009	Changeable message sign(s)	1	Each
						Culvert(s)	3000	LF
						Modified/Reconstructed bridge(s)/tunnel(s)	5300	SQFT
New sidewalk	8078	LF						
Pedestrian/Bicycle facilities mile(s) constructed	1.7	Miles						
Ramp(s) and connector(s) constructed	1	Miles						
Ramps modification(s)	4	Each						
Roadway lane mile(s) - new	10.6	Miles						
Sound wall mile(s) constructed	0.3	Miles						
At-Grade crossing(s) eliminated	1	Each						
Union Pacific (Fresno Subdivision) Ceres to Turlock Double-Tracking Project TCEP	75	T0020	Grade separation(s) / rail crossing improvement(s)	1	Each			
			Culvert(s)	40	LF			
			Grade separation(s) / rail crossing improvement(s)	12	Each			
US 101 / State Route 25 Interchange - Phase 1	4	0462G	Mile(s) of new track	10.8	Miles			
			Bicycle lane mile(s)	0.34	Miles			
			Intersection/Signal improvement(s)	2	Each			
			Modified/Improved interchange(s)	47400	SQFT			

Trade Corridor Enhancement Program (TCEP)
Project Outputs

Project Title	District	PPNO	Output	Approved Quantity	Unit
US 395 – Phase 2 Freight Mobility and Safety Project - Zero-Emission Construction Component	8	1323	Roadway lane mile(s) - new	3	Miles
			Hydrogen site capacity per day	4000	kg H2/day
			Number of Locations with ZEV infrastructure	1	Each
US 395 – Phase 2 Freight Mobility and Safety Project - Zero-Emission Procurement Component	8	1323A	Number of hydrogen nozzles	1	Each
US 395 – Phase 2 Freight Mobility and Safety Project-CON Mainline	8	1322	Intersection/Signal improvement(s)	7	Each
			Modified/Reconstructed bridge(s)/tunnel(s)	1	SQFT
			Roadway lane mile(s) - new	14.4	Miles
			Turn pocket(s) constructed	14	Each
		3019L	Intersection/Signal improvement(s)	7	Each
			Modified/Reconstructed bridge(s)/tunnel(s)	1	SQFT
			Roadway lane mile(s) - new	14.4	Miles
			Turn pocket(s) constructed	14	Each
Westbound I-80 Cordelia Commercial Vehicle Enforcement Facility	4	8273C	Station improvement(s)	1	Each
Yolo 80 Corridor Improvements Project – Phase 1	3	8922A	Changeable message sign(s)	5	Each
			Close circuit television camera(s)	12	Each
			Communications (fiber optics)	18	Miles
			Extinguishable message sign(s)	4	Each
			Freeway ramp meter(s)	6	Each
			HOV/HOT mainline constructed	17	Miles
			Pedestrian/Bicycle facilities mile(s) constructed	0.4	Miles
			Traffic monitoring detection station(s)	1	Each