Appendix J Acronyms and Abbreviations

Acronym/Abbreviation	Definition
°F	degrees Fahrenheit
AAR	Alternatives Assessment Report
AB	Assembly Bill
ACM	asbestos-containing material
ADA	Americans with Disabilities Act
ADI	area of direct impact
ADL	aerially deposited lead
amsl	above mean sea level
APE	Area of Potential Effects
APN	assessor's parcel number
AQMP	Air Quality Management Plan
AQR	Air Quality Report
ARB	California Air Resources Board
ASR	Archaeological Survey Report
ATSPM	Automated Traffic Signal Performance Measure
Basin Plan	Water Quality Control Plan
bgs	below ground surface
BMP	best management practice
BSA	Biological Study Area
BT	Bluetooth
BTU	British thermal unit
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CAFÉ	Corporate Average Fuel Economy
CAGN	coastal California gnatcatcher
CAL FIRE	California Department of Forestry and Fire Protection
CAL-CET 2021	California Construction Emissions Tools 2021
Caltrans	California Department of Transportation
CAP	Climate Action Plan
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CGP	Construction General Permit
CGS	California Geological Survey
CH_4	methane
CHP	California Highway Patrol
CNPS	California Native Plant Society
CO	carbon monoxide

Acronym/Abbreviation	Definition
CO_2	carbon dioxide
CO_2e	carbon dioxide equivalent
CRHR	California Register of Historical Resources
CRPR	California Rare Plant Rank
CSS	coastal sage scrub
CV	connected-vehicle
CWA	Clean Water Act
dB	decibel
dBA	A-weighted decibels
DMS	Dynamic Message Signs
DPPIA	Design Pollution Prevention Infiltration Area
DSA	disturbed soil area
EA	environmental assessment
ECR	Environmental Commitments Record
EIR	environmental impact report
EMFAC2021	Emission Factor Model, Version 2021
EMS	Emergency Medical Services
EO	Executive Order
EPA	U.S. Environmental Protection Agency
ESA	Environmentally Sensitive Area
FAAR	Final Alternatives Assessment Report
FEMA	Federal Emergency Management Agency
FHSZ	Fire Hazard Severity Zone
FHWA	Federal Highway Administration
FSP	Freight Signal Priority
FT	full takes
FTA	Federal Transit Administration
FTC	full trash capture
FTIP	Federal Transportation Improvement Program
FY	fiscal year
GHG	greenhouse gas
GSRD	Gross Solids Removal Device
H_2S	hydrogen sulfide
HCP	Habitat Conservation Plan
HDM	Highway Design Manual
HOV	high-occupancy vehicle
HPSR	Historic Property Survey Report
HR	Hydraulic Region
HRER	Historical Resources Evaluation Report
HU	Hydrologic Unit

Acronym/Abbreviation	Definition
HUC	hydrologic unit code
I-	Interstate
ICMS	Integrated Corridor Management System
in/sec	inch per second
IS	initial study
ISA	Initial Site Assessment
ITS	Intelligent Transportation Systems
KV	key view
kWh	kilowatt-hour
LBP	lead-based paint
LBVI	least Bell's vireo
LED	light-emitting diode
LEDPA	least environmentally damaging practicable alternative
$L_{eq}(h)$	equivalent hourly noise level
LID	low-impact development
L_{max}	maximum noise level
LOS	level of service
LOSSAN	Los Angeles–San Diego–San Luis Obispo
LRA	Local Responsibility Area
LRTP	Long-Range Transportation Plan
LST	localized significance threshold
LUST	leaking underground storage tank
M2	Measure M Transportation Investment Plan
m/s	meters per second
MCTT	Multi-Chamber Treatment Train
mg/L	milligrams per liter
mg/m^3	micrograms per cubic meter
MPAH	Master Plan of Arterial Highways
MS4	municipal separate storm sewer system
MSAT	mobile-source air toxic
N_2O	nitrous oxide
NAA	Noise Analysis Area
NAAQS	National Ambient Air Quality Standards
NAC	noise abatement criteria
NAHC	Native American Heritage Commission
NCCP	natural community conservation plan
NEPA	National Environmental Policy Act
NIS	New Impervious Surface
NNI	Net New Impervious
NO_2	nitrogen dioxide

Acronym/Abbreviation	Definition
NOA	naturally occurring asbestos
NOAA	National Oceanic and Atmospheric Administration
NOP	Notice of Preparation
NO_X	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historic Places
O_3	ozone
OBUs	onboard units
OCFA	Orange County Fire Authority
OCFCD	Orange County Flood Control District
OCSD	Orange County Sheriff's Department
OCTA	Orange County Transportation Authority
O-D	origin-destination
OWJ	official with jurisdiction
PA/ED	Project Approval/Environmental Documentation
PAP	Project Area Parcel
Pb	lead
PDPM	Project Development Procedures Manual
PDT	Project Development Team
PF	Project Feature
PGA	peak ground acceleration
PIR/PER	Paleontological Identification Report/Paleontological Evaluation Report
PM	Post Mile
PM	particulate matter
PM_{10}	respirable particulate matter
$PM_{2.5}$	fine particulate matter
PMP	Paleontological Mitigation Plan
PMR	Paleontological Monitoring Report
POAQC	project of air quality concern
Porter-Cologne Act	Porter-Cologne Water Quality Control Act
ppb	parts per billion
ppm	parts per million
PPV	peak particle velocity
Program	Orange County Stormwater Program
Project	I-5/El Toro Road Interchange Project
Protocol	*Traffic Noise Analysis Protocol for New Highway Construction and Reconstruction Projects*
PS&E	Plans, Specifications, & Estimates
PSR/PDS	Project Study Report/Project Development Support
PT	partial takes
Qaf	human-made artificial fills

Acronym/Abbreviation	Definition
$Qvof_a$	very old alluvial fan deposits
Qya	young axial channel deposits
REC	recognized environmental condition
RIS	Replaced Impervious Surface
RSA	Rapid Stability Assessment
RSA	Resource Study Area
RSP	Rock Slope Protection
RTP	Regional Transportation Plan
RWQCB	Regional Water Quality Control Board
SAPE	Supplemental Area of Potential Effects
SASR	Supplemental Archaeological Survey Report
SB	Senate Bill
SC	clayey sand
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCCIC	South Central Coastal Information Center
SCS	Sustainable Communities Strategy
SEAR	Supplemental Energy Analysis Report
Section 106	Section 106 of the National Historic Preservation Act
Section 106 PA	*Programmatic Agreement among the FHWA, the Advisory Council on Historic Preservation, the California State Historic Preservation Officer, the United States Army Corps of Engineers' Sacramento District, San Francisco District, and Los Angeles District, and the California Department of Transportation Regarding Compliance with Section 106 of the National Historic Preservation Act, as it Pertains to the Administration of the Federal-Aid Highway Program in California*
SER	Standard Environmental Reference
SHPO	State Historic Preservation Officer
SHPSR	Supplemental Historic Property Survey Report
SHRER	Supplemental Historical Resources Evaluation Report
SIP	State Implementation Plan
SLF	Sacred Lands File
SM	silty sand
SNADR	Supplemental Noise Abatement Decision Report
SNSR	Supplemental Noise Study Report
SO_2	sulfur dioxide
SO_X	sulfur oxides
SP	poorly graded sands
SR	State Route
SRA	State Responsibility Area
STGA	Significant Trash Generating Area

Acronym/Abbreviation	Definition
STIP	State Transportation Improvement Program
SVIA	Supplemental Visual Impact Assessment
SWFL	southwestern willow flycatcher
SWMP	Stormwater Management Plan
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TCE	temporary construction easement
TCP	Traditional Cultural Property
TCR	tribal cultural resource
TCWG	Transportation Working Group
TDM	Transportation Demand Management
TeNS	Technical Noise Supplement
TIM	traveler information message
Tm	Miocene-aged Monterey Formation
TMDL	Total Maximum Daily Load
TMP	Traffic Management Plan
Tn	Niguel Formation
TNM	Traffic Noise Model
TOAR	Traffic Operations Analysis Report
TSM	Transportation System Management
TSMO	Transportation Systems Management and Operations
TSP	Transit Signal Priority
U.S.C.	United States Code
Uniform Act	Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970
USACE	U.S. Army Corps of Engineers
USC	United States Code
USFWS	U.S. Fish and Wildlife Service
UST	Underground Storage Tank
VIVDS	Video Imaging Vehicle Detection System
VMT	vehicle miles traveled
VOC	volatile organic compound
VRP	visibility-reducing particles
VRU	vulnerable road user
Vs30	shear wave velocity
WDR	Waste Discharge Requirement