

°F	degrees Fahrenheit
AADT	average annual daily traffic
AB	Assembly Bill
ACHP	Advisory Council on Historic Preservation
ACM	asbestos-containing materials
ADA	Americans with Disabilities Act
ADI	Area of Direct Impact
ADL	aerially deposited lead
ADT	average daily traffic
AII	Area of Indirect Interest
AMA	Archaeological Monitoring Area
APD	Area of Potential Disturbance
APE	Area of Potential Effects
AQMP	Air Quality Management Plan
ARPA	Archaeological Resources Protection Act
ASR	Archaeological Survey Report
ASTM	American Society for Testing and Materials
BAU	business as usual
BCT/BAT	Best Conventional Technology/ Best Available Technology
BFEs	base flood elevations
bgs	below ground surface
BLM	Bureau of Land Management
BMPs	Best Management Practices
BRT	bus rapid transit
BSA	Biological Study Area
BTUs	British thermal units
CAAAAs	Clean Air Act Amendments
CAAQS	California Ambient Air Quality Standards
Cal/EPA	California Environmental Protection Agency
Cal-IPC	California Invasive Plant Council
Caltrans	California Department of Transportation
CARB	California Air Resources Board
CBSP	2009 Commuter Bikeways Strategic Plan

CCAA	California Clean Air Act
CCR	California Code of Regulations
C-D	collector-distributor
CDFW	California Department of Fish and Wildlife
CDMG	California Division of Mines and Geology
CDR	Center for Demographic Research
CEC	California Energy Commission
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
CERFA	Community Environmental Response Facilitation Act
CESA	California Endangered Species Act
CFGC	California Fish and Game Code
CFR	<i>Code of Federal Regulations</i>
cfs	cubic feet per second
CGP	Construction General Permit
CGVP	Compass Growth Visioning Plan
CH <sub>4</sub>	methane
CHIN	Caltrans Highway Information Network
CHP	California Highway Patrol
CHRIS	California Historical Resources Information System
CMFD	Costa Mesa Fire Department
CMPD	Costa Mesa Police Department
CNDDB	California Natural Diversity Database
CNEL	community noise equivalent level
CNPS	California Native Plant Society
CO	carbon monoxide
CO-CAT	Coastal Ocean Climate Action Team
COG	Gateway Cities Council of Governments
CO Protocol	Transportation Project-Level Carbon Monoxide Protocol
COZEEP	Construction Zone Enhanced Enforcement Program
CPUC	California Public Utilities Commission
CRHR	California Register of Historical Resources

CSC	California Species of Special Concern
CSA	Construction Staging Area
CSS	context-sensitive solutions
CSS	coastal sage scrub
CTP	California Transportation Plan
CTC	California Transportation Commission
CWA	Clean Water Act
dB	decibel
dBA	A-weighted decibel
Department	California Department of Transportation
DoD	Department of Defense
DPM	diesel particulate matter
DRRP	Diesel Risk Reduction Plan
DSA	disturbed soil area
DTSC	Department of Toxic Substances Control
ED	environmental document
EDR	Environmental Data Resources, Inc.
EGGWC	East Garden Grove-Wintersburg Channel
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
EMS	emergency medical services
EMTs	emergency medical technicians
EO	Executive Order
EPA	United States Environmental Protection Agency
ERNS	Emergency Response Notification System
ESA	environmentally sensitive area
FCAA	Federal Clean Air Act
FEMA	Federal Emergency Management Agency
FESA	Federal Endangered Species Act
FHWA	Federal Highway Administration
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FIRMs	Flood Insurance Rate Maps
FPPA	Farmland Protection Policy Act

ft	foot
FTA	Federal Transit Administration
FTIP	Federal Transportation Improvement Plan
FVFD	Fountain Valley Fire Department
FVPD	Fountain Valley Police Department
FVRMC	Fountain Valley Regional Hospital and Medical Center
GIS	Geographic Information System
GGFD	Garden Grove Fire Department
GGPD	Garden Grove Police Department
GHG	greenhouse gas
GP	general purpose
H <sub>2</sub> S	hydrogen sulfide
HA	hydrologic area
HBFD	Huntington Beach Fire Department
HBH	Huntington Beach Hospital
HBPD	Huntington Beach Police Department
HCM	Highway Capacity Manual
HEI	Health Effects Institute
HHS	United States Department of Health and Human Services
HOT	high-occupancy toll
HOV	high-occupancy vehicle
HP	high-pressure
HP	Habitat Present
HPSR	Historic Property Survey Report
HRER	Historical Resources Evaluation Report
HSA	hydrologic subarea
HU	hydrologic unit
I-110	Interstate 110
I-210	Interstate 210
I-405	Interstate 405
I-5	Interstate 5
I-605	Interstate 605
IBC	Irvine Business Center

IGR	Intergovernmental Review
IPaC	Information Planning and Conservation System
IPCC	Intergovernmental Panel on Climate Change
IRIS	Integrated Risk Information System
ISA	Initial Site Assessment
ITS	Intelligent Transportation Systems
JD	Jurisdictional Delineation
kPa	kilopascal
kV	kilovolt
LACDPW	Los Angeles County Department of Public Works
LAMC	Los Alamitos Medical Center
LBP	lead-based paint
LEDPA	least environmentally damaging practicable alternative
LHS	Location Hydraulic Study
LOS	level of service
LPS	Locally Preferred Strategy
LRT	light-rail transit
LRTP	Long-Range Transportation Plan
LUST	leaking underground storage tank
LWCF Act	Land and Water Conservation Act
µg/L	micrograms per liter
µg/m <sup>3</sup>	micrograms per cubic meter
MAR	Modified Access Report
MBTA	Migratory Bird Treaty Act
MDU	multiple-family dwelling unit
MEP	maximum extent practicable
MIS	Major Investment Study
MLD	Most Likely Descendent
mm	millimeter
MPAH	Master Plan of Arterial Highways
mpg	miles per gallon
mph	miles per hour
MPO	Metropolitan Planning Organization

MS4	Municipal Separate Storm Sewer System
MSAT	mobile source air toxics
msl	mean sea level
MTBE	methyl tributyl ethylene
MVP	maintenance vehicle pullout
N <sub>2</sub> O	nitrous oxide
n/a	not available
NAAQS	National Ambient Air Quality Standards
NAC	noise abatement criteria
NADR	Noise Abatement Decision Report
NAHC	Native American Heritage Commission
NATA	National Air Toxics Assessment
NAVWPNSTA	Naval Weapons Station
NEPA	National Environmental Policy Act
NES	Natural Environment Study
NESHAPs	National Emissions Standards for Hazardous Air Pollutants
NFIP	National Flood Insurance Program
NHPA	National Historic Preservation Act of 1966
NHTSA	National Highway Traffic Safety Administration
NIFZ	Newport-Inglewood Fault Zone
NO	nitric oxide
NO <sub>2</sub>	nitrogen dioxide
NOA	naturally occurring asbestos
NOAA Fisheries Service	National Oceanic and Atmospheric Administration Fisheries Service
NOC	Notice of Construction
NOCC	Notice of Completion of Construction
NOD	Notice of Determination
NOI	Notice of Intent
NOP	Notice of Preparation
NO <sub>x</sub>	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places

NSR	Noise Study Report
NAVWPNSTA	Naval Weapons Station
O <sub>3</sub>	ozone
OCFA	Orange County Fire Authority
OCFCD	Orange County Flood Control District
OCMC	Orange Coast Memorial Medical Center
OCP	Orange County Projections
OCSD	Orange County Sanitation District
OCTA	Orange County Transportation Authority
OCTAM	Orange County Transportation Analysis Model
OCWD	Orange County Water District
OHWM	Ordinary High Water Mark
OPR	Office of Planning and Research
OSHA	Occupational Safety and Health Act
OSTP	Office of Science and Technology Policy
P3	Public-Private Partnership
PA	Programmatic Agreement
PA/ED	Project Approval/Environmental Document
PAHs	polycyclic aromatic hydrocarbons
Pb	lead
PCBs	polychlorinated biphenyls
PCE	perchloroethylene
pc/mi/ln	passenger cars per mile per lane
PDT	Project Development Team
PEAR	Preliminary Environmental Assessment Report
PeMS	Performance Monitoring System
PIR/PER	Paleontological Identification Report/Paleontological Evaluation Report
PM	particulate matter
PM	Postmile
PM <sub>2.5</sub>	particulate matter less than 2.5 microns in diameter
PM <sub>10</sub>	particulate matter less than 10 microns in diameter
PMP	Paleontological Mitigation Plan
POAQC	project of air quality concern

ppb	parts per billion
ppd	pounds per day
PPDG	Project Planning and Design Guide
ppm	parts per million
PPV	peak particle velocity
PRC	Public Resources Code
PS&E	Plans, Specifications, and Estimate
p.s.i.g.	pounds per square inch gauge
PSR/PDS	Project Study Report/Project Development Support
PWG	Policy Working Group
RAP	Relocation Assistance Program
RCB	reinforced concrete box
RCP	reinforced concrete pipe
RCR	Route Concept Report
RCRA	Resource Conservation and Recovery Act of 1976
RCS	Ramp Closure Study
RDMD	Resources Development and Management Division
REC	Recognized Environmental Concern
RHNA	Regional Housing Needs Assessment
RMS	root mean square
ROD	Record of Decision
ROG	reactive organic gas
ROW	right-of-way
RSA	Regional Statistical Areas
RTARM	Real-Time Adaptive Ramp Metering
RTIP	Regional Transportation Improvement Program
RTP	Regional Transportation Plan
RWQCB	Regional Water Quality Control Board
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
SBPD	Seal Beach Police Department
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District

SCCIC	South Central Coastal Information Center
SCE	Southern California Edison
SCG	Southern California Gas Company
SCS	Sustainable Communities Strategy
SDC	Seismic Design Criteria
SDU	single-family dwelling units
SER	Standard Environmental Reference
SF <sub>6</sub>	sulfur hexafluoride
SHPO	State Historic Preservation Officer
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SLIC	Spills, Leaks, Investigations, and Cleanup
SO <sub>2</sub>	sulfur dioxide
SOV	single-occupancy vehicle
SR	State Route
STAA	Surface Transportation Assistance Act
STIP	State Transportation Improvement Program
SWAT	Special Weapons and Tactics
SWMP	Stormwater Management Plan
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminant
TASAS	Traffic Accident Surveillance and Analysis System
TAZ	traffic analysis zone
TCA	Transportation Corridor Agencies
TCE	trichloroethylene
TCEs	Temporary Construction Easements
TCM	Transportation Control Measure
TCRP	Transportation Congestion Relief Plan
TCWG	Transportation Conformity Working Group
TDCs	Targeted Design Constituents
TDM	Traffic Demand Management
T/E	threatened and endangered

TeNS	Technical Noise Supplement
TIP	Transportation Improvement Plan
TMDLs	total maximum daily loads
TMP	Transportation Management Plan
TNW	traditional navigable water
TPH	total petroleum hydrocarbons
TSCA	Toxic Substances Control Act
TSM	Transportation Systems Management
UC Davis	University of California, Davis
UPRR	Union Pacific Railroad
USACE	United States Army Corps of Engineers
USAR	urban search and rescue
U.S.C.	United States Code
USDA	United States Department of Agriculture
USDOT	United States Department of Transportation
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
USPS	United States Postal Service
VA	Value Analysis
v/c	volume-to-capacity
VdB	vibration decibel
vhd	vehicle hours of delay
VIA	Visual Impact Assessment
VMT	vehicle miles traveled
VOCs	volatile organic compounds
vpd	vehicles per day
vph	vehicles per hour
vphpl	vehicles per hour per lane
VRP	visibility reducing particles
WCC	West County Connectors
WDRs	Waste Discharge Requirements
WPCP	Water Pollution Control Program
WQF	water quality flow
WQV	water quality volume