

## **Appendix F** List of Acronyms and Abbreviations

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°F	degrees Fahrenheit
µg/L	micrograms per liter
µg/m <sup>3</sup>	micrograms per cubic meter
AADT	average annual daily traffic
AARP	American Association of Retired Persons
AB	Assembly Bill
ABCW	Association of Black Correctional Workers
ACHP	Advisory Council on Historic Preservation
ACM	asbestos-containing material
ADA	Americans with Disabilities Act
ADI	Area of Direct Impact
ADL	aerially deposited lead
ADT	average daily traffic
AJD	Approved Jurisdictional Delineation
AM	morning
a/mvm	accidents per million vehicle miles
APE	Area of Potential Effects
APN	Assessor's Parcel Number
AQMP	Air Quality Management Plan
ARAs	Agricultural Resource Areas
ARB	California Air Resources Board

AREAA	Asian Real Estate Association of America
ARMC	Arrowhead Regional Medical Center
ARS	acceleration response spectrum
ASR	Archaeological Survey Report
AST	aboveground storage tank
ATP	Active Transportation Program
BA	Biological Assessment
BACT	Best Available Control Technology
BFE	base flood elevation
bgs	below ground surface
BLM	Bureau of Land Management
BMPs	Best Management Practices
BNSF	Burlington Northern Santa Fe
BO	Biological Opinion
BRT	bus rapid transit
BSA	Biological Study Area
BTU	British thermal unit
BUOW	burrowing owl
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CAFÉ	Corporate Average Fuel Economy
CAG	Community Advisory Group
CAGN	coastal California gnatcatcher

CAL FIRE	California Department of Forestry and Fire Protection
Cal/EPA	California Environmental Quality Act
Cal-IPC	California Invasive Species Council
Caltrans	California Department of Transportation
CAS	Comprehensive Administrative Strategy
CCA EJ	Center for Community Action and Environmental Justice
CCR	California Code of Regulations
CCTV	closed-circuit television
CCUA	Consent to Common Use Agreement
CDFW	California Department of Fish and Wildlife
CEC	California Energy Commission
CEHC	California Essential Habitat Connectivity
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 of 1992
CESA	California Endangered Species Act
CFR	<i>Code of Federal Regulations</i>
CH	Critical Habitat
CH <sub>4</sub>	methane
CHIN	Caltrans Highway Information Network
CHP	California Highway Patrol

CIA	Community Impact Assessment
CMS	changeable message sign
CNDDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
CO-CAT	Coastal Ocean Climate Action Team
COHb	carboxyhemoglobin
COZEEP	Construction Zone Enhanced Enforcement Program
CPCN	Certificate of Public Convenience and Necessity
CPUC	California Public Utilities Commission
CRHR	California Register of Historical Resources
CSA	construction staging area
CTC	California Transportation Commission
CTP	California Transportation Plan
CVWD	Cucamonga Valley Water District
CWA	Clean Water Act
dB	decibel
dba	A-weighted decibel
d/c	demand-to-capacity ratio
DMV	Department of Motor Vehicles
DOC	California Department of Conservation
DOI	United States Department of the Interior

DPM	diesel particulate matter
DRPA	Devore Rural Protection Association
DSA	disturbed soil area
DSF	Delhi Sands flower-loving fly
DTSC	Department of Toxic Substances Control
DWR	California Department of Water Resources
EB	eastbound
ECR	Environmental Commitments Record
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
EO	Executive Order
EPA	United States Environmental Protection Agency
EPDs	Employment Protection Districts
ESA	environmentally sensitive area
ESRI	Environmental Systems Research Institute
FAQs	Frequently Asked Questions
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
FIS	Flood Insurance Study
FMMP	Farmland Mapping and Monitoring Program

FNAE	Finding of No Adverse Effect with Non-Standard Conditions
FOE	Finding of Effect
FPPA	Farmland Protection Policy Act of 1981
FRIS	Final Relocation Impact Statement
FTA	Federal Transit Administration
FTIP	Federal Transportation Improvement Program
GCC	Grid Control Center
GHG	greenhouse gas
GIS	Geographic Information System
GP	general purpose
GPS	Global Positioning System
H <sub>2</sub> S	hydrogen sulfide
HCM	Highway Capacity Manual
HDM	Highway Design Manual
HEI	Health Effects Institute
HHS	Department of Health and Human Services
HMA	hot-mix asphalt
HOT	high-occupancy toll
HOV	high-occupancy vehicle
HPSR	Historic Property Survey Report
HRER	Historical Resources Evaluation Report
HSA <sub>s</sub>	hydrologic subareas
I/E	ingress/egress

I-10 CP	Interstate 10 Corridor Project
I-10	Interstate 10
I-15	Interstate 15
I-215	Interstate 215
IBI	Index of Biotic Integrity
IGR	Intergovernmental Review
IPCC	Intergovernmental Panel on Climate Change
IRIS	Integrated Risk Information System
IS/EA	Initial Study/Environmental Assessment
ISA	Initial Site Assessment
ISI	Institute for Sustainable Infrastructure
ITS	Intelligent Transportation System
JD	Jurisdictional Delineation
kV	kilovolt
LA/SB	Los Angeles/San Bernardino
LBP	lead-based paint
LBV	least Bell's vireo
LCP	lead-containing paint
LED	light-emitting diode
LEDPA	least environmentally damaging practicable alternative
LF	linear feet
LHS	Location Hydraulic Study
LOMR	Letter of Map Revision

LOS	level of service
LOTB	Log of Test Borings
LPA	Locally Preferred Alternative
LRT	light-rail transit
LUST	leaking underground storage tank
LWCF	Land and Water Conservation Fund
MAP-21	Moving Ahead for Progress in the 21 <sup>st</sup> Century
MATES-IV	Multiple Air Toxics Exposure Study IV
MBTA	Migratory Bird Treaty Act
MEP	maximum extent practicable
Metro	Los Angeles County Metropolitan Transportation Authority
MFR	multi-family residential
mg/L	milligrams per liter
MLD	Most Likely Descendent
MMT	million metric tons
MMTCO <sub>2</sub> e	million metric tons of carbon dioxide equivalent
MOVES	Motor Vehicle Emissions Simulator
mph	miles per hour
MPO	Metropolitan Planning Organization
MS4	municipal separate storm sewer systems
MSAT	mobile source air toxics
MSE	mechanically stabilized earth
MSWSMP	Master Stormwater System Maintenance Program



MVP	maintenance vehicle pullout
MWD	Metropolitan Water District of Southern California
N <sub>2</sub> O	nitrous oxide
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
NCHRP	National Cooperative Highway Research Program
NEPA	National Environmental Policy Act
NES	Natural Environment Study
NESHAP	National Emission Standards for Hazardous Air Pollutants
NFIP	National Flood Insurance Program
NHPA	National Historic Preservation Act
NHTSA	National Highway Traffic Safety Administration
NO	nitric oxide
NO <sub>2</sub>	nitrogen dioxide
NOA	Naturally Occurring Asbestos
NOAA	National Oceanic and Atmospheric Administration
NOAA Fisheries Service	National Oceanic and Atmospheric Administration's National Marine Fisheries Service
NOD	Notice of Determination
NOI	Notice of Intent

NOP	Notice of Preparation
NO <sub>x</sub>	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NPS	National Park Service
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NSR	Noise Study Report
NTSA	National Trails System Act
NWI	National Wetland Inventory
NWP	Nationwide Permit
O <sub>3</sub>	ozone
OBT	Orange Blossom Trail
OC	Overcrossing
OCTA	Orange County Transportation Authority
OFM	Office of the Fire Marshall
OH	overhead
OHM	Oak Hills Marketplace
OMSD	Ontario-Montclair School District
OPR	Office of Planning and Research
OSHA	Occupational Safety and Health Administration
OSNHT	Old Spanish National Historic Trail
OSTP	Office of Science and Technology Policy
PA	Programmatic Agreement

PA/ED	Project Approval/Environmental Document
Pb	lead
pc/mi/ln	passenger car per mile per lane
PCBs	polychlorinated biphenyls
PCE	passenger car equivalent
PCEs	primary constituent elements
PDT	Project Development Team
PeMS	Performance Measurement System
PFYC	Potential Fossil Yield Classification
PGA	Peak Ground Acceleration
PGR	Preliminary Geotechnical Report
PIR/PER	Paleontological Identification Report/Paleontological Evaluation Report
PJD	Preliminary Jurisdictional Delineation
PM	particulate matter
PM	evening
PM	Post Mile
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
PMR	Paleontological Mitigation Report
POAQC	Project of Air Quality Concern
ppb	parts per billion

ppm	parts per million
PQS	Professional Qualified Staff
PRC	Public Resources Code
PS&E	Plans, Specification, and Estimate
psf	pounds per square foot
PSR/PDS	Project Study Report/Project Development Support
PTZ	Pan-Tilt-Zoom
PVC	polyvinyl chloride
QR	Quick Response
RAP	Relocation Assistance Program
RCB	reinforced concrete box
RCP	Regional Comprehensive Plan
RCRA	Resource Conservation and Recovery Act of 1976
RCS	Ramp Closure Study
RCTC	Riverside County Transportation Commission
REAP	Rain Event Action Plan
RECs	Recognized Environmental Conditions
RIS	Relocation Impact Statement
RMS	Ramp Metering System
ROD	Record of Decision
ROG	reactive organic gas
ROW	right-of-way
RPW	Relatively Permanent Waters

RSA	Resource Study Area
RSS	Riversidean sage scrub
RTIP	Regional Transportation Improvement Program
RTP	Regional Transportation Plan
RWQCB	Regional Water Quality Control Board
SAN	Streambed Alteration Notification
SANBAG	San Bernardino Associated Governments
SANDAG	San Diego Association of Governments
SAR	Santa Ana River
SART	Santa Ana River Trail
SAS	Sana Ana sucker
SB	Senate Bill
SBAIC	San Bernardino Archaeological Information Center
SBCCD	San Bernardino Community College District
SBCFCD	San Bernardino County Flood Control District
SBCSD	San Bernardino County Sheriff's Department
SBCTA	San Bernardino County Transportation Authority
SBKR	San Bernardino kangaroo rat
SBTAM	San Bernardino County Transportation Analysis Model
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
SCH	State Clearinghouse
SCRRA	Southern California Regional Rail Authority
SCS	Sustainable Communities Strategy
SDC	Seismic Design Criteria
SEA	Significant Ecological Areas
SF <sub>6</sub>	sulfur hexafluoride
SFR	single-family residences
SHPO	State Historic Preservation Officer
SIP	State Implementation Plan
SLF	Sacred Lands File
SNES	Supplemental Natural Environment Study
SO <sub>2</sub>	sulfur dioxide
SOIS	Secretary of the Interior's Standards
SOV	single-occupancy vehicle
SR	State Route
SRA	Source Receptor Area
SSC	Species of Special Concern
STAA	Surface Transportation Assistance Act
STLC	Soluble Threshold Limit Concentration
SWAMP	Surface Water Ambient Monitoring Program
SWIP	Southwest Industrial Park

SWMP	Storm Water Management Plan
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
SWWF	southwestern willow flycatcher
TACs	toxic air contaminants
TASAS	Traffic Accident Surveillance and Analysis Systems
TCE	temporary construction easement
TCWG	Transportation Conformity Working Group
TDCs	targeted design constituents
TDM	Transportation Demand Management
TIE	Toxicity Identification Evaluation
TMDLs	total maximum daily loads
TMP	Transportation Management Plan
TNM	Traffic Noise Model
TNW	Traditional Navigable Waterways
TOD	Transit-Oriented District
TSCA	Toxic Substances Control Act
TSM	Transportation System Management
TU	toxicity unit
UC	Undercrossing
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
USGCRP	United States Global Change Research Program
USGS	United States Geological Survey
USPS	United States Postal Service
UST	underground storage tank
VA	Value Analysis
v/c	volume-to-capacity
VDS	Vehicle Detection System
VHD	vehicle hours of delay
VIA	Visual Impact Assessment
VMT	vehicle miles traveled
VOCs	volatile organic compounds
vpd	vehicles per day
vphpl	vehicles per hour per lane
VTrans	Valley Transportation Services
WB	westbound
WDRs	Waste Discharge Requirements
WIB	Workforce Investment Board
WPCP	Water Pollution Control Program
WQOs	water quality objectives