

Appendix E

List of Acronyms

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°	degrees
AA	Associates of Arts
AADT	Annual Average Daily Trips
AB	Assembly Bill
ACHP	Advisory Council on Historic Preservation
ACM	Asbestos containing-materials
ACS	American Community Survey
ADA	Americans with Disabilities Act
ADL	aerially deposited lead
AELUP	Airport Environs Land Use Plan
AGR	Agriculture Supply
AM	ante meridiem
APE	Area of Potential Effects
APN	Assessor's Parcel Number
AQMD	Air Quality Management Plan
AQUA	Aquaculture
ARB	Air Resources Board
ASR	Archaeological Survey Report
BA	Bachelor of Arts
BAU	Business as Usual
BFE	base flood elevations
BIOS	Biogeographic Information & Observation System
BLM	Bureau of Land Management
BMP	best management practices
BS	Bachelor of Science

BSA	biological study area
C-D	collector-distributor
C-F	Community Facilities
C-G	General Commercial
C-O	Commercial-Professional Office
CA	California
CAFE	Corporate Average Fuel Economy
Cal-IPC	California Invasive Plant Council
CAL/OSHA	California Division of Occupational Safety and Health
Caltrans	California Department of Transportation
CARB	California Air Resources Board
CBC	California Building Code
CDFW	California Department of Fish and Wildlife
CDMG	California Division of Mines and Geology
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CERFA	Community Environmental Response Facilitation Act
CFR	Code of Federal Regulations
CGS	California Geological Survey
CH ₄	methane
CHL	California Historical Landmarks
CHP	California Highway Patrol
CHRI	California Historical Resources Inventory
CHRIS	California Historical Resources Inventory System
cm	centimeters

CNDDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CO-CAT	Coastal and Ocean Working Group of the California Climate Action Team
CO	carbon monoxide
CO ₂	carbon dioxide
CO ₂ eq	carbon dioxide equivalent
CPHI	California Points of Historical Interest
CPSC	Consumer Product Safety Commission
CSULB	California State University, Long Beach
CRHR	California Register of Historical Resources
CTP	California Transportation Plan
CWA	Clean Water Act
CY	cubic yards
dBA	A-weighted decibel scale
DDD	dichlorodiphenyldichloroethane
DDE	dichlorodiphenyldichloroethylene
DDI	diverging diamond interchange
DOGGR	Department of Oil, Gas, and Geothermal Resources
DP	Director's Policy
DSA	Disturbed Soil Area
DTSC	Department of Toxic Substances Control
du/ac	dwelling units per acre
e.g.	for example
EA	Environmental Assessment
EB	eastbound
EDR	Environmental Data Resources

EIR	Environmental Impact Report
ELAP	Environmental Laboratory Accreditation Program
EPACT92	Energy Policy Act of 1992
EO	Executive Order
EPA	Environmental Protection Agency
F	Fahrenheit
FAR	Floor Area Ratio
FCAA	Federal Clean Air Act
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FIRM	Flood Insurance Rate Map
FIS	Flood Insurance Study
FMMP	Farmland Mapping and Monitoring Program
FONSI	Finding of No Significant Impact
FRSH	Freshwater Replenishment
FTA	Federal Transit Administration
FTIP	Federal Transportation Improvement Program
GWR	Ground Water Recharge
H ₂ S	hydrogen sulfide
HCM	Highway Capacity Manual
HCS	Highway Capacity Software
HDM	Highway Design Manual
HFC-134a	s, s, s, 2-tetrafluoroethane
HFC-152a	difluoroethane
HFC-23	fluoroform

HMMP	Habitat Mitigation and Monitoring Program
HSA	Hydrologic Sub-Area
HOV	High Occupancy Vehicle
HPSR	Historic Property Survey Report
HRER	Historic Resources Evaluation Report
I-	Interstate
i.e.	that is
ICE	Intersection Control Evaluation
IND	Industrial Service Supply
ILFP	in-lieu fee program
IPaC	Information for Planning and Conservation
IPCC	Intergovernmental Panel on Climate Change
IS/EA	Initial Study/Environmental Assessment
ISA	Initial Site Assessment
ITS	Intelligent Transportation Systems
JD	Jurisdictional Delineation
JFTB	Joint Forces Training Base
L _{dn}	Day/Night Average
L _{eq}	Equivalent Sound Level
L _{max}	Maximum Sound Level
L _{min}	Minimum Sound Level
L _n	Exceedance Level
LACM	Natural History Museum of Los Angeles County
LBP	lead-based paint
LCFS	low carbon fuel standard
LEDPA	least environmentally damaging practicable alternative

LOP	Letter of Permission
LOS	Level of Service
L RTP	Long Range Transportation Plan
L TRMP	Long-Term Resource Management Plan
LUD	Land Use District
M1	Measure M
M2	Extended Measure M
MA	Master of Arts
Max	maximum
MBTA	Migratory Bird Treaty Act
mg/kg	milligrams per kilogram
mg/l	milligrams per liter
MLD	Most Likely Descendent
MMTCO _{2e}	million metric tons of carbon dioxide equivalent
MOE	Measures of Effectiveness
MOU	Memorandum of Understanding
mph	miles per hour
MPAH	Master Plan of Arterial Highways
MPO	Metropolitan Planning Organization
MS	Master of Science
MS4s	municipal separate storm sewer systems
MSATs	Mobile Source Air Toxics
MTBE	Methyl tert-butyl ether
MTCO _{2eq}	metric tons per year of carbon dioxide equivalent
MUN	Municipal and Domestic Supply
MW	monitoring well

N/A	Not Available
N/EB	North/Eastbound
N ₂ O	nitrous oxide
NAC	Noise Abatement Criteria
NAHC	Native American Heritage Commission
NAAQS	National Ambient Air Quality Standards
NB	northbound
NCCP/HCP	Natural Community Conservation Plan/Habitat Conservation Plan
ND	Negative Declaration
NEPA	National Environmental Policy Act
NES-MI	Natural Environment Study (Minimal Impacts)
NFIP	National Flood Insurance Program
NHPA	National Historic Preservation Act
NHTSA	National Highway Traffic Safety Administration
NISZ	Newport-Inglewood Structural Zone
NLEV	national low emission vehicle
NO ₂	nitrogen dioxide
NOA	naturally occurring asbestos
NOAA	National Oceanic and Atmospheric Administration
NMFS	National Marine Fisheries Service
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resource Conservation Service
NRHP	National Register of Historic Places
NWI	National Wetland Inventory
O ₃	ozone
O-A	Open Area

OC	Orange County
OCFA	Orange County Fire Authority
OCFCD	Orange County Flood Control District
OCSD	Orange County Sheriff's Department
OCTA	Orange County Transportation Authority
OCTAM	Orange County Transportation Authority Model
OHWM	ordinary high water mark
OPR	Office of Planning and Research
OSHA	Occupational Safety and Health Act
OSTP	Office of Science and Technology Policy
p.	page
PA	Programmatic Agreement
PA/ED	Project Approval/Environmental Document
PB	lead
pc/mi/hr	passenger cars/mile/hour
pc/mi/ln	passenger cars per mile per lane
PCBs	polychlorinated biphenyls
PCE	Passenger Car Equivalents
PDT	Project Development Team
perc	perchloroethylene
pH	Potential of Hydrogen
PhD	Doctor of Philosophy
PIR/PER	Paleontological Identification Report and Paleontological Evaluation Report
PLACs	permits, licenses, agreements, and certifications
PM	particulate matter
PM	post meridiem

PM _{2.5}	particles of 2.5 micrometers and smaller
PM ₁₀	particles of 10 micrometers or smaller
PMP	Paleontological Mitigation Program
POAQC	project of air quality concern
PRC	Public Resources Code
PROC	Industrial Process Supply
PSE	Plans, Specifications and Estimates
PSR-PDS	Project Study Report-Project Development Support
QA	quality assurance
Qya2	Holocene to late Pleistocene
RAP	Relocation Assistance Program
RARE	Rare, Threatened or Endangered Species
RCEM	Roadway Construction Emissions Model
RCRA	Resource Conservation and Recovery Act
RCSD	Rossmoor Community Services District
REC	Recognized Environmental Condition
REC1	Water Contact Recreation
REC2	Non-contact Water Recreation
ROW	right-of-way
RSA	Resource Study Areas
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
RTIP	Regional Transportation Improvement Program
RTPA	Regional Transportation Planning Agency
RWQCB	Regional Water Quality Control Board
S/WB	South/Westbound
SAA	Streambed Alteration Agreement

SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Act: A Legacy for Users
SB	Senate Bill
SB	southbound
SCAG	Southern California Association of Governments
SCCIC	South Central Coastal Information Center
SCE	Southern California Edison
SCAQMD	South Coast Air Quality Management District
SCS	Sustainable Communities Strategy
SDC	Seismic Design Criteria
Sec Del/Veh	Seconds Delay/Vehicle
SF ₆	sulfur hexafluoride
SFHA	Special Flood Hazard Area
SHPO	State Historic Preservation Officer
SLR	Sea-Level Rise
SMAQMD	Sacramento Metropolitan Air Quality Management District
SO ₂	sulfur dioxide
sp.	species
spp	subspecies
SR-	State Route
SRA	Source Receptor Area
SSC	California Species of Concern
STIP	State Transportation Improvement Program
STLC	Soluble Threshold Limit Concentration
SWIS	Solid Waste Information System
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board

TASAS	Traffic Accident Surveillance and Analysis Systems
TCE	Temporary Construction Easement
TCWG	Transportation Conformity Working Group
TDM	Transportation Demand Management
TIPS	transportation improvement programs
TMDs	Total Maximum Daily Loads
TMP	Transportation Management Plan
TNM	Traffic Noise Model
TSCA	Toxic Substances Control Act
TSM	Transportation System Management
TTLIC	Total Threshold Limit Concentration
UC	University of California
USC	United States Code
U.S.	United States
USA	Underground Service Alert
USACE	U.S. Army Corps of Engineers
USDA	United States Department of Agriculture
USDOT	U.S. Department of Transportation
USEPA	United States Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
USGS	United States Geological Survey
UST	underground storage tank
VHD	Vehicle Hours Delay
VHT	Vehicle Hours Travelled
VMT	Vehicle Miles Traveled
vp/ln	vehicles per lane per hour

VRP	Visibility Reducing Particles
WARM	Warm Freshwater Habitat
WB	westbound
WDR	Waste Discharge Requirement
WET1	USACE Letter of Permission
WET2	RWQCB CWA Section 401 Water Quality Certification
WET3	CDFW Section 1600 Streambed Alteration Agreement
WILD	Wildlife Habitat
WL	Watch List
WPCP	Water Pollution Control Program
WQAR	Water Quality Assessment Report
WQO	Water Quality Objectives
XPI	Extended Phase I
yr	year