

# List of Acronyms

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$\mu\text{g}/\text{m}^3$	micrograms per cubic meter
AADT	annual average daily traffic
AB 1493	Assembly Bill 1493, Vehicular Emissions: Greenhouse Gases, 2002
AB 32	Assembly Bill 32, Global Warming Solutions Act of 2006
ABAG	Association of Bay Area Governments
ADA	Americans with Disabilities Act
Alameda CTC	Alameda County Transportation Commission
APE	Area of Potential Effects
ATM	Active Traffic Management
BA	Biological Assessment
BAAQMD	Bay Area Air Quality Management District
BART	Bay Area Rapid Transit
BCDC	Bay Conservation and Development Commission
BMPs	Best Management Practices
BO	Biological Opinion
BSA	Biological Study Area
CARB	California Air Resources Board
CCTA	Contra Costa Transportation Authority
CCTV	closed-circuit television camera
CDFG	California Department of Fish and Game
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
CERFA	Community Environmental Response Facilitation Act
CESA	California Endangered Species Act
CEQ	Council on Environmental Quality

CEQA	California Environmental Quality Act
CH <sub>4</sub>	methane
CHP	California Highway Patrol
CMAI	Corridor Mobility Improvement Account Program
CMAQ	Congestion Mitigation and Air Quality Improvement Program
CNDDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CO	carbon monoxide
CO-CAT	Coastal Ocean Climate Action Team
COC	Community of Concern
CRLF	California red-legged frog
CSMP	Corridor System Management Plan
CWA	Clean Water Act
CZMA	Coastal Zone Management Act of 1972
Department	California Department of Transportation
DSA	Disturbed Soil Area
EA	Environmental Assessment
EIS	Environmental Impact Study
EJ	Environmental Justice
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
FIRM	Flood Insurance Rate Maps
FONSI	Finding of No Significant Impact

FTA	Federal Transit Administration
FTIPs	Federal Transportation Improvement Programs
GHGs	greenhouse gases
H <sub>2</sub> S	hydrogen sulfide
HCFs	hydrofluorocarbons
HDD	Horizontal directional drilling conduit installation
HOV	High-Occupancy Vehicle lanes
I-80	Interstate 80
ICM	Integrated Corridor Mobility
IDBs	information display boards
IGR	Intergovernmental Review
IPCC	Intergovernmental Panel on Climate Change
IS	Initial Study
ITS	Intelligent Transportation System
LEDPA	least environmentally damaging practicable alternative
LOS	Level of service
MBTA	Migratory Bird Treaty Act
MCE	Maximum Credible Earthquake
MLD	Most Likely Descendent
mmt	million metric tons
MND	Mitigated Negative Declaration
MOU	Memorandum of Understanding
MPG	miles per gallon
mph	miles per hour
MPO	Metropolitan Planning Organization
MS4s	Municipal Separate Storm Sewer Systems

MSAT	Mobile Source Air Toxics
MTC	Metropolitan Transportation Commission
N <sub>2</sub> O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAC	noise abatement criteria
NAHC	Native American Heritage Commission
NEPA	National Environmental Policy Act
NES	Natural Environment Study
NHTSA	National Highway Traffic Safety Administration
NO <sub>2</sub>	nitrogen dioxide
NOAA	National Oceanic and Atmospheric Administration
NPDES	National Pollutant Discharge Elimination System
NPHA	National Historic Preservation Act of 1966
O <sub>3</sub>	ozone
OPR	Governor's Office of Planning and Research
OS	Open Space
OSHA	Occupational Safety and Health Act
OSTP	Office of Science and Technology Policy
PA	Section 106 Programmatic Agreement
Pb	lead
PDT	Project Development Team
PER	Paleontological Evaluation Report
PFCs	perfluorocarbons
PID	Project Initiation Document phase
PM	particulate matter
PMP	paleontological mitigation program

ppb	parts per billion (thousand million)
ppm	parts per million
PRC	California Public Resources Code
PS&E	Plans, Specifications, and Estimates phase
RANC	Richmond Annex Neighborhood Council
RCRA	Resource Conservation and Recovery Act of 1976
ROG	reactive organic gases
ROW	right-of-way
RTP	Regional Transportation Plan
RWQCB	Regional Water Quality Control Boards
SER	Standard Environmental Reference
SF <sub>6</sub>	sulfur hexafluoride
SFBRWQCB	San Francisco Bay Regional Water Quality Control Board
SFHA	Special Flood Hazard Area
SHPO	State Historic Preservation Officer
SIP	State Implementation Plan
SO <sub>2</sub>	sulfur dioxide
SO <sub>x</sub>	sulfur oxides
SR-4	State Route 4
SWDR	Storm Water Data Report
SWMP	Storm Water Management Plan
SWPPP	Storm Water Pollution Prevention Plans
SWRCB	State Water Resources Control Board
TIP	Transportation Improvement Program
TMC	Transportation Management Center
TMDLs	Total Maximum Daily Loads

TMP	Transportation Management Plan
TOAR	Traffic Operational Analysis Report
TOS	Traffic Operations Systems
TSCA	Toxic Substances Control Act
UD	Urban Design
U.S.	United States
USACE	United States Army Corps of Engineers
USC	United States Code
U.S. EPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Services
USGS	United States Geological Survey
v/c	volume to capacity ratio
VASS	Variable Advisory Speed Signs
VMT	vehicle miles travelled
VOC	volatile organic compounds
WCCTAC	Western Contra Costa Transportation Advisory Committee
WDRs	Waste Discharge Requirements
WPCP	Water Pollution Control Plan