

ACRONYMS AND ABBREVIATIONS

µg/m ³	micrograms per cubic meter
AADT	average annual daily trips
AAQS	Ambient Air Quality Standards
AB	Assembly Bill
ABAG	Association of Bay Area Governments
ACM	asbestos-containing material
ACTC	Alameda County Transportation Commission
ADT	average daily traffic
af	acre-foot
AFY	acre-feet per year
AL	Agricultural Land
APE	Area of Potential Effect
APN	Assessors Parcel Number
AQP	Air Quality Plan
ARB	California Air Resources Board
ARP	Acid Rain Program
AST	aboveground storage tank
ATCM	Airborne Toxic Control Measures
AWSC	all-way stop-controlled
BAAQMD	Bay Area Air Quality Management District
BART	Bay Area Rapid Transit
BAU	business as usual
BMP	Best Management Practices
BRA	Biological Resources Analysis
BVOC	biogenic volatile organic compound
C	Celsius
CA MUTCD	California Manual on Uniform Traffic Control Devices
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CAIR	Clean Air Interstate Rule
Cal OSHA	California Occupational Health and Safety Administration
Cal/EPA	California Environmental Protection Agency
Caltrans	California Department of Transportation
CAP	Climate Action Plan
CBC	California Building Code
CBD	Central Business District

Acronyms and Abbreviations

CBG	Carlson, Barbee & Gibson
CCR	California Code of Regulations
CCTA	Contra Costa Transportation Authority
CDFW	California Department of Fish and Wildlife (formerly California Department of Fish and Game)
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CESA	California Endangered Species Act
CFC	chlorofluorocarbon
CFR	Code of Federal Regulations
CGS	California Geological Society
CH ₄	methane
CHL	California Historical Landmarks
CIP	capital improvement program
CMP	Congestion Management Plan
CNDDDB	California Natural Diversity Database
CNEL	Community Noise Equivalent Level
CNPS	California Native Plant Society
CO	carbon monoxide
CO ₂ e	carbon dioxide equivalent
CPHI	California Points of Historical Interest
CPUD	Calaveras Public Utility District
dB	decibel
dBA	A-weighted sound level
DCD	Contra Costa County Department of Conservation and Development
DOT	United States Department of Transportation
DPM	diesel particulate matter
DPS	Distinct Population Segment
DTSC	California Department of Toxic Substances Control
DU	Dwelling Units
DWR	California Department of Water Resources
EB	eastbound
EBL	eastbound left
EBMUD	East Bay Municipal Utility District
EBRPD	East Bay Regional Park District
EDR	Environmental Data Resources, Inc.
EIR	Environmental Impact Report
EPA	United States Environmental Protection Agency

ESA	Endangered Species Act
EVA	Emergency Vehicle Access
F	Fahrenheit
FCS	FirstCarbon Solutions
FCWCD	Contra Costa County Flood Control and Water Conservation District
FEMA	Federal Emergency Management Agency
FESA	Federal Endangered Species Act
FGC	Federal Game Code
FHWA	Federal Highway Administration
FIRM	Flood Insurance Rate Map
FMMP	Farmland Monitoring and Mapping Program
FPPA	Federal Farmland Protection Policy Act
GHAD	Geologic Hazard Abatement District
GHG	Greenhouse gas
GMP	Growth Management Program
GWh/y	gigawatt-hours per year
GWP	global warming potential
HAP	hazardous air pollutant
HCM	Highway Capacity Manual
HCP	Habitat Conservation Plan
HFC	hydrofluorocarbon
HOV	high-occupancy vehicle
HRA	Health Risk Assessment
HRI	California Historic Resources Inventory
HVAC	heating, ventilation, and air conditioning
HWCL	Hazardous Waste Control Law
I	Interstate
ICC	International Code Council
ITE	Institute of Transportation Engineers
LAFCO	Local Agency Formation Commission
LCFS	California Low Carbon Fuel Standard
L _{dn}	day/night average sound level
LED	light emitting diode
L _{eq}	equivalent sound level
LOS	Level of Service
MBTA	Migratory Bird Treaty Act
MEP	Maximum Extent Practicable
mgd	million gallons per day

Acronyms and Abbreviations

MH	Multiple Family Residential—High
MM	mitigation measure
MMI	Modified Mercalli Intensity
MOE	measure of effectiveness
mph	miles per hour
MRP	Municipal Regional Permit
MTC	Metropolitan Transportation Commission
MTCO _{2e}	metric tons of carbon dioxide equivalent
MTSO	multimodal transportation service objectives
MUTCD	Manual of Uniform Traffic Control Devices
N ₂ O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NAL	Numeric action level
NB	northbound
NBL	northbound left
NCCP	Natural Community Conservation Plan
NEHRP	National Earthquake Hazards Reduction Program
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NHPA	National Historic Preservation Act
NMFS	National Marine Fisheries Service
NO ₂	nitrogen dioxide
NOC	Notice of Completion
NOP	Notice of Preparation
NO _x	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NR	National Register of Historic Places
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NWIC	Northwest Information Center
O ₃	ozone
OEHHA	California Office of Environmental Health Hazard Assessment
OHP	California Office of Historic Preservation
OHWM	ordinary high water mark
OS	Open Space
P/SP	Public/Semi-Public
PCB	polychlorinated biphenyl
pCi/l	picocuries per liter

PCM	parallel climate model
PFC	perfluorocarbon
PG&E	Pacific Gas & Electric
Phase I ESA	Phase I Environmental Site Assessment
PM _x	particulate matter
ppb	parts per billion
ppm	parts per million
PPV	peak particle velocity
PR	Parks and Recreation
PS	Parking Space
PVC	polyvinyl chloride
RCNM	Roadway Construction Noise Model
RCRA	Resource Conservation and Recovery Act
R-DEIR	Recirculated Draft Environmental Impact Report
RIRO	right-in right-out
RMS	root mean square
ROG	reactive organic gases
RTIP	Regional Transportation Improvement Program
RWQCB	Regional Water Quality Control Board
SB	Senate Bill
SB	southbound
SBAA	Streambed Alteration Agreement
SBL	southbound left
SBR	southbound right
SBT	southbound through
SF ₆	sulfur hexafluoride
SFBAAB	San Francisco Bay Area Air Basin
SIP	State Implementation Plan
SL	Single Family Residential—Low
SO ₂	sulfur dioxide
SOI	Sphere of Influence
SP	service population
SR	State Route
SRVFPD	San Ramon Valley Fire Protection District
SRVUSD	San Ramon Valley Unified School District
SSSC	side-street stop-controlled
SWMP	Stormwater Management Plan
SWP	State Water Project

Acronyms and Abbreviations

SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminants
TDM	Transportation Demand Management
TDS	total dissolved solids
TFCA	Transportation Fund for Clean Air
Tg	teragram
therms/y	therms per year
TIS	Traffic Impact Study
TMDL	Total Maximum Daily Load
TSM	Transportation Systems Management
TVTC	Tri-Valley Transportation Council
TVTD	Tri-Valley Transportation Development
UC	University of California
UCMP	University of California Museum of Paleontology
ULL	Urban Limit Line
UN	United Nations
USACE	United States Army Corps of Engineers
USB	urban service boundary
USDA	United States Department of Agriculture
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	underground storage tank
UWMP	Urban Water Management Plan
V/C	volume to capacity ratio
VMT	vehicle miles traveled
VOC	Volatile Organic Compounds
WB	westbound
WBL	westbound left
WBT	westbound through
WBWG	Western Bat Working Group
WDR	Waste Discharge Requirements
WSA	Water Supply Assessment
WSE	Water Supply Evaluation