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Acronyms and Abbreviations

µg/m3	Micrograms per cubic meter
µT	microTesla
2035 Plan	MTC Transportation 2035 Plan for the San Francisco Bay Area
AB	Assembly Bill
ABAG	Association of Bay Area Governments
AC	alternating current
ACE	Altamont Commuter Express
ACGIH	American Conference of Governmental Industrial Hygienists
ACS	American Community Survey
ADA	Americans with Disabilities Act
AFOs	Audio Frequency Overlays
AIA	Airport Influence Area
APE	Area of Potential Effect
APM	Automated People Mover
APU	auxiliary power unit
ARB	California Air Resources Board
AWR	average weekday ridership
BAAQMD	Bay Area Air Quality Management District
BART	Bay Area Rapid Transit
BAT	Best Available Technology
BC	Business Commercial
BCDC	Bay Conservation and Development Commission
BFEs	base flood elevations
bgs	below ground surface
BIA	Building Industry Association
BMPs	best management practices
BRT	Bus Rapid Transit
BTP	Business Technology Park
C&D	construction and demolition
C/CAG	City/County Association of Governments
C_2H_3Cl	vinyl chloride
CAA	Clean Air Act
CAAA	Clean Air Act amendments
CAAQS	California ambient air quality standards
cal BP	calibrated years before the present

Cal OSHA	California Division of Occupational Safety and Health
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
Caltrans	California Department of Transportation
CBOSS	Caltrain Communications Based Overlay Signal System
CCAA	California Clean Air Act
CCAs	Community Choice Aggregations
CCJPA	Capitol Corridor Joint Powers Authority
CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CEC	California Energy Commission
CEMOF	Central Equipment Maintenance Operations Facility
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CESA	California Endangered Species Act
CFR	Code of Federal Regulations
CGP	Construction General Permit
CH_4	methane
CHSRA	California High-Speed Rail Authority
CHWMP	County Hazardous Waste Management Plan
cm	centimeter
CNDDB	California Natural Diversity Database
CNEL	Community Noise Equivalent Level
CNPS	California Native Plant Society
CO	carbon monoxide
CO_2	carbon dioxide
CO_2e	carbon dioxide equivalent
CO-CAT	California Climate Action Team
CP	Control Point
CPUC	California Public Utilities Commission
CRHR	California Register of Historical Resources
CRPR	California Rare Plant Rank
CT	computerized tomography
CTP	California Transportation Plan
CWA	Clean Water Act
CWSC	California Water Service Company
dB	Decibel

dBA	A-Weighted Decibel
DC	direct current
DMU	Diesel Multiple Unit
DNA	deoxyribonucleic acid
DOT	Department of Transportation
DPM	diesel particulate matter
DPR	California Department of Pesticides Regulation
DRC	Dumbarton Rail Corridor
DSOD	California Department of Safety and Dams
DTSC	California Department of Toxic Substances Control
DTX	Downtown Extension
DWR	California Department of Water Resources
EA	environmental assessment
EDR	Environmental Data Resources
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
ELF	extremely low frequency
EMF	electromagnetic fields
EMI	electromagnetic fields
EMU	electric multiple unit
EO	Executive Order
EOC	Emergency Operations Center
EOP	Emergency Operations Plan
EPA	U.S. Environmental Protection Agency
ESA	Environmental Site Assessment
ESD	Emergency Services Department
ESP	energy service providers
ESZ	electrical safety zone
ETB	electric trolley bus
FC	Freeway Commercial
FEMA	Federal Emergency Management Agency
FIRM	Flood Insurance Rate Map
FMMP	Farmland Mapping and Monitoring Project
FOEA	Finding of Effect Amended
FONSI	Finding of No Significant Impact
FR	Federal Register
FRA	Federal Railroad Administration
FTA	Federal Transit Administration

G	ground factor
GCFI	Ground Fault Circuit Interrupter
GHG	greenhouse gas
GHz	gigahertz
GOs	General Orders
GWP	global warming potential
H_2S	hydrogen sulfide
HABS	Historic American Building Surveys
HAER	Historic American Engineering Record
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
HCP	habitat conservation plan
HFCs	hydrofluorocarbons
HI	hazard index
HMP	Hydromodification Management Plan
HOPS	High Output Plant System
HSR	high-speed rail
HST	high-speed train
Hz	Hertz
I	Interstate
ICF	ICF International
ICNIRP	International Commission on Non-Ionizing Radiation Protection
IEEE	Institute of Electrical and Electronics Engineers
in/sec	inches per second
IOUs	investor-owned utilities
IPCC	Intergovernmental Panel on Climate Change
ISP	iron/steel pipe
JPB	Peninsula Corridor Joint Powers Board
kHz	kilohertz
kV	kilovolt
Kv/m	kilovolt per meter
Ldn	Day-Night Sound Level
L_{eq}	Equivalent Sound Level
LID	Low Impact Development
L_{max}	maximum noise level
L_{max}	Maximum Sound Levels
L_{min}	Minimum Sound Levels
LOS	Level of Service

L_p	level
LUPs	Linear Underground/Overhead Projects
L_v	velocity level
m	meter
MAA	Management Agency Agreement
MARC	Maryland Regional Commute trains
MBTA	Migratory Bird Treaty Act
MEP	maximum extent practicable
mG	milligaus
mg/m^3	milligrams per cubic meter
MNRR	Metro-North Railroad
MOU	Memorandum of Understanding
MPE	Maximum Permissible Exposure
mph	miles per hour
MPO	metropolitan planning organization
MRI	magnetic resonance imaging
MS4 Permit	General Permit for Municipal Separate Storm Sewer Systems
MSL	mean sea level
MST	Monterey-Salinas Transit
MT	metric tons
MTC	Metropolitan Transportation Commission
MU	Multiple Unit
N_2O	nitrous oxide
NAAQS	national ambient air quality standards
NAHC	Native American Heritage Commission
NCCP	Natural Community Conservation Planning
NCP	National Contingency Plan
NEC	Northeast Corridor
NES	Natural Environmental Study
NFIP	National Flood Insurance Act
NJT	New Jersey Transit
NO_2	nitrogen dioxide
NOP	Notice of Preparation
NO_X	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NRC	National Research Council
NRHP	National Register of Historic Place

O_3	ozone
OCS	overhead catenary system
OES	Office of Emergency Services
OSHA	Occupational Safety and Health Administration
PA	Programmatic Agreement
Pb	lead
PCEP or Proposed Project	Peninsula Corridor Electrification Project
PDA	Priority Development Area
PFCs	perfluorinated carbons
PFRUG	Peninsula Freight Rail Users' Group
PG&E	Pacific Gas & Electric Company
PM10	particulate matter less than 10 micrometers in size
PM2.5	particulate matter that is 2.5 microns in diameter or less
Porter-Cologne Act	Porter-Cologne Water Quality Control Act
ppb	parts per billion
PPE	Personal Protective Equipment
pphpd	per peak hour per direction
ppt	parts per thousand
PPV	Peak Particle Velocity
PRC	Public Resources Code
PS	Paralleling Station
PSD	Prevention of Significant Deterioration
PTC	Positive Train Control
QA/QC	quality assurance/quality control
R&D	Research &Development
RCP	reinforced concrete pipe
RCRA	Resource Conservation and Recovery Act
Regional Water Board	Regional Water Quality Control Board
RF	Radio Frequency
RMS	root-mean-square
ROG	reactive organic gases
ROW	right of way
RPS	Renewable Portfolio Standard
RTPs	Regional Transportation Plans
RTSS	Rail Transit Safety Section
RWD	Report of Waste Discharge
RWQCB	Regional Water Quality Control Board
SAFETEA-LU	Safe, Accountable, Flexible, Efficient, Transportation Equity Act –

	A Legacy for Users
SamTrans	San Mateo County Transit District
Santa Cruz METRO	Santa Cruz Metropolitan Transit District
SAP	Sampling and Analysis Plan
SARA	Superfund Amendments and Reauthorization Act
SB	Senate Bill
SCP	Stormwater Control Plan
SCS	sustainable communities strategy
SCVURPPP	Santa Clara Valley Urban Runoff Pollution Prevention Program
SCVWD	Santa Clara Valley Water District
SEL	sound exposure level
SEMS	Standardized Emergency Management System
SEPTA	Southeastern Pennsylvania Transportation Authority
SF&SJ RR	San Francisco and San Jose Railroad
SF_6	hexafluoride
SFBAAB	San Francisco Bay Area Air Basin
SFMTA	San Francisco Municipal Transportation Agency
SFO	San Francisco International Airport
SFPUC	San Francisco Public Utilities Commission
SFRWQCB	San Francisco Regional Water Quality Control Board
SHPO	State Historic Preservation Officer
SIP	state implementation plan
SLR	sea level rise
SMART	Sonoma-Marin Area Rail Transit
SMCTA	San Mateo County Transportation Authority
SMCWPPP	San Mateo Countywide Water Pollution Prevention Program
SO_2	sulfur dioxide
SO_4	sulfates
SOIS	Secretary of the Interior's standards
SPPH	Separate phase product
SR	State Route
SSM	supplemental safety measures
STA	South Terminal Area
State Water Board	State Water Resources Control Board
SWPPP	Storm Water Pollution Prevention Plan
SWS	switching station
TAC	Toxic Air Contaminant
TCM	traffic control measure

TCP	Traffic Control Plan
TDS	total dissolved solids
TGV	Train A Grande Vitesse
TJPA	Transbay Joint Powers Authority
TMDL	total maximum daily load
TOD	Transit-oriented development
TPF	traction power facility
TPS	traction power substation
TRA	Trackage Rights Agreement
TTC	Transbay Terminal Center
U.S.C	United States Code
UBC	Uniform Building Code
UCSF	University of California San Francisco
UK	United Kingdom
UPRR	Union Pacific Rail Road
US 101	U.S. Highway 101
USACE	U.S. Army Corps of Engineers
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
VCB	vacuum circuit breaker
VCP	vitrified clay pipe
VdB	velocity in decibels
VMT	vehicle miles of travel
VTA	Santa Clara Valley Transportation Authority
WAPA	Western Area Power Administration
WBWG	Western Bat Working Group
WDR	waste discharge requirement
WHO	World Health Organization
WIA	Wilson, Ihrig and Associates
WIC	Women Infants & Children