

## APPENDIX C: GLOSSARY / ACRONYMS

### Definitions and Abbreviations

**ACA4** - Assembly Constitutional Amendment 4

**acre** - A unit of measurement of area equivalent to 43,560 square feet.

**alluvium** - Deposits resulting from the operations of water including floodplains, lakes, rivers and fans at the foot of mountain slopes.

**candidate species** - Any species of fish, wildlife or plant which has been determined to be a candidate for listing under Section 4 of the Endangered Species Act of 1973 (amended).

**Corps of Engineers** - (COE) U.S. Army Corps of Engineers. Federal agency with jurisdiction over wetlands and waters of the U.S.

**cultural resources** - Archaeological and historic resources that could potentially be affected by a given project. Cultural resources include buildings, sites, districts, structures or objects having historical, architectural, archaeological, cultural or scientific importance.

**cumulative impact** - The impact on the environment that results from the incremental impact of the action when added to other past, present and reasonably foreseeable future actions.

**dBA** - A sound level in decibels, measured with a sound level meter having metering characteristics and frequency weighting specified in American National Standard Specifications for sound level meters ANSIS1.4-1971. It is common to refer to numerical units of an A-weighted sound level as "dBA."

**DEIS/EIR** - Draft Environmental Impact Statement/Report. A report that identifies and analyzes potential environmental effects of a preferred project alternative.

**Electromagnetic field (EMF)** – electromagnetic fields associated with electromagnetic radiation.

**Electromagnetic interference (EMI)** – Electromagnetic interference may include the interruption, obstruction, or other degradation in the effective performance of

**EPA** - U.S. Environmental Protection Agency. The federal agency responsible for maintaining environmental quality including air quality, noise and hazardous waste management.

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**FEIS/EIR** - Final Environmental Impact Statement/Report. A report that identifies and analyzes potential environmental effects of a preferred project alternative and responds to comments received on the DEIS/R.

**fill** - Earth used to create embankments or to raise low-lying areas in order to bring them to grade.

**floodplain** - The part of the ground surface inundated with water on a recurring basis, usually associated with the one percent recurrence interval (100-year) flow.

**g** - horizontal ground acceleration

**gram** - Unit of measurement of mass, metric system.

**ha** - hectare (10,000 square meters)

**HOV** - High Occupancy Vehicle. A "carpool," or vehicle occupied by two or more persons.

**HOV Lane** - High Occupancy Vehicle lane. A system of exclusive lanes signed and striped for use by vehicles with multiple occupants (two or more persons) or ridership. HOV lanes are designed on roadways to reduce traffic congestion, improve safety, and reduce fuel consumption and to improve air quality.

**Kilo** - Prefix used in metric measurement, 1000.

**kiss-and-ride** - A passenger loading area where vehicles can pick up and drop off passengers.

**km** - Kilometer.

**kmph** - Kilometer per hour.

**KV** - Kilovolt.

**Ldn** - Day-Night Equivalent Sound Level. A 24-hour equivalent sound level with a 10 dB penalty assessed to noise events occurring at night (10 p.m. to 7 a.m.).

**Leq** - Equivalent Sound Level. A measure of sound energy over a period of time, or a sound level which, in a stated period of time, would contain the same acoustical energy as the time-varying sound during the same period.

**liter** - Unit of measurement of volume (metric system).

**LOS (Level of Service)** - The operating level of an intersection or roadway segment can be described using the term Level of Service. Level of Service is a qualitative description of operation based on delay and maneuverability. It can range from "A," representing free flow conditions, to "F" representing gridlock.

**m** - Meter.

**mG** - MilliGauss.

**mitigation** - Measures taken to minimize adverse environmental impacts. Mitigation could reduce the magnitude and extent of an impact from a level of significance to a level of insignificance.

**mph** - Miles per hour.

**mT** - MicroTesla.

**National Historic Preservation Act of 1966** - The primary federal law pertaining to protection of cultural resources.

**National Register of Historic Places** - A federal listing of historic resources protected under the National Historic Preservation Act of 1966.

**NEPA** - National Environmental Policy Act. The United States' basic national charter for protection of the environment. It establishes policy, sets goals and provides means for carrying out the policy.

**nonpoint source** - Pertains to the discharge of pollutants into waters or air where the pollutant sources come from an area rather than a single source that can be pinpointed.

**NO<sub>x</sub>** - Nitrogen Oxide.

**National Register-eligible** - Cultural resources determined eligible for inclusion on the National Register of Historic Places.

**O<sub>3</sub>** - Ozone.

**ozone** - A major component of photochemical smog, which is formed in the atmosphere by the chemical reaction between nitrogen dioxide and organic gases in the presence of sunlight. Excessive levels of ozone can cause eye irritation, reduced visibility, vegetation damage and aggravation of respiratory conditions. The biggest source of these gases is the automobile.

**park-and-ride** - A parking area intended for transit riders who arrive at transit stations by car.

**Pb** - Lead.

**PM<sub>2.5</sub>** - Particulate matter less than 2.5 microns in diameter, considered to be fine particulate matter. (One micron is equal to one-millionth of a meter.)

**PM<sub>10</sub>** - Particulate matter less than 10 microns in diameter. (One micron is equal to one-millionth of a meter.)

**ppm** - parts per million.

**PPV** - Peak particle velocity. The maximum instantaneous peak in the velocity of an object's vibratory motion. The PPV is used to define thresholds of potential building damage from vibration.

**right-of-way** - Land dedicated to the transportation facility.

**RMS** - Root-mean-square amplitude. The average energy of vibrating measured over a short time interval, usually one second. RMS vibration velocity is considered the best available measure of potential human annoyance from ground-borne vibration.

**Section 106** - Section 106 of the National Historic Preservation Act of 1966.

**SO<sub>2</sub>** - Sulphur Dioxide.

**SIP** - State Implementation Plan – a plan for attaining national ambient air quality standards required by the Clean Air Act.

**USFWS** - U.S. Fish and Wildlife Service. The federal agency that administers the federal Endangered Species Act and is involved in protection of fish and wildlife habitat including wetland areas.

**Vdb** - Decibels of vibration velocity. An expression of ground-borne vibrations.

**watershed** - That part of the earth's surface from which storm water runoff flows to a single point.

**wetlands** - According to the U.S. Army Corps of Engineers, wetlands are areas that are inundated or saturated by surface water or ground water at a frequency and duration sufficient to support, under normal conditions, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes and similar areas, and are subject to protection under Executive Order 11990 and Section 404 of the Clean Water Act (CWA).

**Glossary of Acronyms**

AB	Assembly Bill
ABAG	Association of Bay Area Governments
AC	Alternating current
AC Transit	Alameda Contra Costa Transit District
ACHP	Advisory Council on Historic Preservation
ADA	Americans with Disabilities Act
ADT	Average Daily Traffic
APE	Area of Potential Effects
APTA	American Public Transit Association
ATS	Automated Train Stop
AWSS	Auxiliary Water Supply System
BAAB	Bay Area Air Basin
BAAQMD	Bay Area Air Quality Management District
BART	Bay Area Rapid Transit
BATA	Bay Area toll Authority
BTU -	British Thermal Unit.
BCDC	Bay Conservation and Development Commission
CAA	Clean Air Act of 1970
CAAQS	California Ambient Air Quality Standards
CAC	Community Advisory Committee
CALINE4	Computer model used to predict carbon monoxide levels
CALTRANS	California Department of Transportation
CARB	California Air Resources Board
CBD	Central Business District
CCAA	California Clean Air Act
CCSF	City and County of San Francisco
CDFG	California Department of Fish and Game
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response Compensation & Liability Act
CERCLIS	Comprehensive Environmental Response Compensation Information System
CFR	Code of Federal Regulations
CHP	California Highway Patrol
CLUP	Comprehensive Land Use Plan
CM	Construction Management
CMAQ	Congestion Mitigation and Air Quality Improvement Program
CNDDB	California Natural Diversity Data Base
CNPS	California Native Plant Society
CO	Carbon Monoxide
COE	Army Corps of Engineers
CTC -	California Transportation Commission or Centralized Train Control
CPUC	California Public Utilities Commission

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CY	Cubic yards.
DC -	Direct current.
CFR	Codified Federal Regulations
CZMA	Coastal Zone Management Act
DEIS/EIR	Draft Environmental Impact Statement/Environmental Impact Report
DPT	Department of Parking and Traffic
DPW	Department of Public Works
DWR	Department of Water Resources
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
EMU	Electrical Multiple Unit
EPA	Environmental Protection Agency
FEIS/EIR	Final Environmental Impact Statement/Report
FHWA	Federal Highway Administration
FPPA	Farmland Protection Policy Act
FTA	Federal Transit Administration
FVM	Fare Vending Machine
FY	Fiscal Year
GGBHT	Golden Gate Bridge, Highway and Transportation District
HASR	Historical Architectural Survey Report
HPSR	Historic Property Survey Report
HOV	High Occupancy Vehicle
Hz	Hertz.
I-280	Interstate 280
ISP	Iron/Steel Pipe
ISTEA	Intermodal Surface Transportation Act of 1991
ITIP	Interregional Transportation Improvement Program
JPA	Joint Exercise of Powers Agency
JPB	Peninsula Corridor Joint Powers Board
LOS	Level of Service
LPA	Locally Preferred Alternative
LUST	Leaking Underground Storage Tank
MOA	Memorandum of agreement
MGP	Manufactured Gas Plant
MPO	Metropolitan Planning Organization
MTC	Metropolitan Transportation Commission
Muni	San Francisco Municipal Railway
NAAQS	National Ambient Air Quality Standards
NEPA	National Environmental Policy Act
NOI	Notice of Intent
NOP	Notice of Preparation
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historic Properties
O&M	Operating and Maintenance
OCS	Overhead Control System

OSHA	Occupational Safety and Health Administration
PAH	Polyaromatic Hydrocarbons
PPA	Pollution Prevention Act
RIP	Regional Improvement Program
ROD	Record of Decision
RTP	Regional Transportation Plan
RTIP	Regional Transportation Improvement Program
RWQCB	Regional Water Quality Board
SAA	Streambed Alteration Agreement
SAMTRANS	San Mateo County Transportation
SFAH	San Francisco Architectural Heritage
SFBRWQB	San Francisco Bay Regional Water Quality Control Board
SFIA	San Francisco Institute of Architecture
SFRA	San Francisco Redevelopment Agency
SHPO	State Historic Preservation Office or Officer
SIP	State Implementation Plan
SOMA	South of Market Area
SP	Southern Pacific (Railroad)
SPR	Southern Pacific Railroad
SRTTP	Short Range Transit Plan
STA	State Transit Assistance program.
STP	State Transportation Program
STIP	State Transportation Improvement Program
SWPPP	Storm Water Pollution Prevention Plan
TAC	Technical Advisory Committee
TAZ	Traffic Analysis Zone
TCM	Transportation Control Measure
TCRP	Transportation Congestion Relief Program
TDM	Transportation Demand Management
TEA-21	Transportation Equity Act for the 21 <sup>st</sup> Century
TIP	Transportation Improvement Program
TIFIA	Transportation Infrastructure Financing and Innovation Act
TJPA	Transbay Joint Powers Authority
TRP	Trip Reduction Program
TSM	Transportation Systems Management
US 101	US Highway 101
USEPA	US Environmental Protection Agency
USFWS	US Fish and Wildlife Service
USGS	US Geological Survey
UST	Underground Storage Tank
VC	Volume-to-Capacity Ratio
VCP	Vitrified Clay Pipe
VHT	Vehicle Hours of Travel
VMT	Vehicle Miles of Travel