

ACRONYMS AND ABBREVIATIONS

$\mu\text{g}/\text{m}^3$	micrograms per cubic meter
AA	Alternatives Analysis
AAA	Automobile Club of Southern California
AERMOD	USEPA's Atmospheric Dispersion Model
APE	Area of Potential Effects
ARB	Air Resources Board
BHHS	Beverly Hills High School
BHUSD	Beverly Hills Unified School District
CAA	Clean Air Act
Cal/OSHA	California Occupational Safety and Health Administration
CARB	California Air Resource Board
CCAA	California Clean Air Act
CEQA	California Environmental Quality Act (PRC 21000-21177)
CFR	Code of Federal Regulations
CGS	California Geological Surveys
CMS	changeable message signs
CO	carbon monoxide
CO _{2e}	carbon dioxide equivalent
CPT	cone penetration test
DASH	Downtown Area Shuttle
dB	decibels
dBA	A-weighted decibels
DOGGR	State of California Division of Oil, Gas, and Geothermal Resources
DSOD	State of California Division of Safety of Dams
DTSC	State of California Department of Toxic Substances Control
DWP	City of L.A. Department of Water and Power
EAI	Environmental Audit Inc.
ECI	Earth Consultants International
EIS/EIR	environmental impact statement/environmental impact report
EMFAC	model for on-road vehicle emissions
EPB	earth pressure balance
FHWA	Federal Highway Administration

Final Decision	Final Decision on Motions for Summary Judgment and Ruling in Regards to Remedies (Final Decision) of the United States District Court for the Central District of California in <i>Beverly Hills Unified School District v. Federal Transit Administration, et al.</i> , CV 12-9861-GW(SSx)
FTA	Federal Transit Administration
HARP2	Hotspots Analysis and Reporting Program Version 2
ka	thousand years old
KGS	Kenney GeoScience
La	ground-borne noise
LADBS	L.A. Department of Building and Safety
LADOT	Los Angeles Department of Transportation
lbs	pounds
LCI	Leighton Consulting, Inc.
LEL	methane lower explosive limit
Leq	equivalent sound level
Leq(h)	hourly equivalent sound level
LOS	level-of-service
LPA	Locally Preferred Alternative
LRT	Light Rail Transit
LSTM	Line Source Transfer Mobility
Lv	ground-born vibration
MDE	2,450-year return period earthquake
Metro	Los Angeles County Metropolitan Transportation Authority
Metrolink	Southern California Regional Rail Authority
MFR	multi-family residences
mph	miles per hour
MSHA	Mine Safety and Health Administration
Mw	earthquake magnitude
NAAQS	National Ambient Air Quality Standards
NEPA	National Environmental Protection Act
NO ₂	nitrogen dioxide
NO _x	nitrogen oxides
NRHP	National Register of Historic Places
O ₃	ozone
ODE	150-year return period earthquake
OFFROAD	model for off-road vehicle and equipment emissions
OSHA PEL	permissible exposure limit

OSL	Optical Stimulated Luminescence
pCi/l	pico Curies per liter of air
PCMS	portable changeable message sign
PFDDHA	probabilistic fault displacement hazard analysis
PFRSA	Preliminary Fault Rupture Study Areas
PM	Particulate Matter
PM ₁₀	particulate matter smaller than or equal to 10 microns in size
PM _{2.5}	particulate matter smaller than or equal to 2.5 microns in size
ppb	parts per billion
ppm	parts per million
PPP	Public Participation Plan
PPV	peak particle velocity
Project	Westside Purple Line Extension
PSHA	probabilistic seismic hazard analyses
RAST	Risk Assessment Standalone Tool
RMS	root mean squared
ROD	Record of Decision
SAAG	Station Area Advisory Group
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
Section 106	National Historic Preservation Act of 1966
Section 4(f)	Parks, Recreation Areas, Wildlife and Waterfowl Refuges, and Historic Sites (23 CFR 774 et seq.)
SEIS	Supplemental Environmental Impact Statement
SFR	single-family residences
SHPO	State Historic Preservation Office/Officer
SO ₂	sulfur dioxide
SOP	Standard Operating Procedures
TBM	tunnel boring machine
TDM	transportation demand management
TL	Thermoluminescence
TLV	threshold limit value-time weighted average
TMP	Transportation Management Plan
TOD	transit-oriented development
UCERF	The Uniform California Earthquake Rupture Forecast
UCLA	University of California, Los Angeles



Uniform Relocation Act	Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended
USC	United States Code
USDOT	U.S. Department of Transportation
USEPA	U.S. Environmental Protection Agency
USGS	U.S. Geological Survey
VA	Veterans Affairs
VdB	vibration decibels
VHT	vehicle hours traveled
VMT	vehicle miles traveled
VOC	volatile organic compounds