

West Santa Ana Branch Transit Corridor

Draft EIS/EIR: Table of Contents and Acronyms



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WEST SANTA ANA BRANCH TRANSIT CORRIDOR PROJECT

Draft EIS/EIR
Table of Contents and Acronyms

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Draft Environmental Impact Statement/ Environmental Impact Report

**LEAD AGENCIES: Federal Transit Administration of the U.S. Department of
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ACRONYMS AND ABBREVIATIONS

Acronym	Definition
µm	micrometer
AA	Alternatives Analysis
AAQS	Ambient Air Quality Standards
AB	Assembly Bill
ACGIH	American Conference of Governmental Industrial Hygienists
ACM	asbestos-containing materials
ACS	American Community Survey
ADA	Americans with Disabilities Act
ADL	aerial-deposited lead
APE	Area of Potential Effects
AQMP	Air Quality Management Plan
AREMA	American Railway Engineering and Maintenance-of-Way Association
ATSDR	Agency for Toxic Substances and Disease Registry
Basin	South Coast Air Basin
Bgs	below ground surface
BMP	best management practice
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
Cal/OSHA	California Occupational Safety and Health Administration
CalEEMod	California Emissions Estimator Model
CALGreen	California Green Building Standards Code
Caltrans	California Department of Transportation
CARB	California Air Resources Board
CASQA	California Stormwater Quality Association
CBC	California Building Code
CCAA	California Clean Air Act
CCR	California Code of Regulations
CCTV	closed circuit television
CDC	Centers for Disease Control and Prevention
CDFW	California Department of Fish and Wildlife
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act

Acronym	Definition
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CGP	General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities
CGS	California Geological Survey
CH ₄	methane
CIDH	cast-in-drilled-hole
CO ₂	carbon dioxide
CO ₂ e	carbon dioxide equivalent
CPTED	Crime Prevention Through Environmental Design
CPUC	California Public Utilities Commission
CRHR	California Register of Historical Resources
CRMMP	Cultural Resources Mitigation and Monitoring Program
CUPA	Certified Unified Program Agency
CWA	Clean Water Act
DASH	Downtown Area Short Hop
dB	decibel
dba	A-weighted decibel
DC	direct current
DF	direct fixation
DHSS	Delaware Health and Social Services
DIR	California Department of Industrial Relations
DOGGR	California Division of Oil, Gas, and Geothermal Resources, now known as California Geologic Energy Management Division (CalGEM)
DTSC	Department of Toxic Substances Control
DWR	California Department of Water Resources
ECMP	Energy Conservation and Management Plan
EIR	environmental impact report
EIS	environmental impact statement
EJ	environmental justice
EMF	electromagnetic field
EMI	electromagnetic interference
EO	Executive Order
EPBT	Elysian Park Blind Thrust Fault

Acronym	Definition
EPP	Emergency Preparedness Plan
ESA	environmental site assessment
FAST Act	Fixing America’s Surface Transportation Act
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FLM	First/Last Mile
FRA	Federal Railroad Administration
FTA	Federal Transit Administration
FTIP	Federal Transportation Improvement Program
g	acceleration due to gravity
g/mi	grams per mile
GBN	ground-borne noise
GBV	ground-borne vibration
GHG	greenhouse gas
GIS	geographic information system
GO	General Order
GSA	Groundwater Sustainability Agency
GWP	global warming potential
H ₂ S	hydrogen sulfide gas
HBW	home-based work
HHS	U.S. Department of Health and Human Services
HRT	heavy rail transit
HUD	Department of Housing and Urban Development
Hz	hertz
I-	Interstate
IEEE	Institute of Electrical and Electronics Engineers
IGP	Industrial General Permit
in/sec	inches per second
IVT	in-vehicle travel time
kV	kilovolt
LA	Los Angeles
LA County	Los Angeles County
LACDPW	Los Angeles County Department of Public Works

Acronym	Definition
LACFCD	Los Angeles County Flood Control District
LACSD	Los Angeles County Sheriff's Department
LADBS	Los Angeles Department of Building and Safety
LADWP	Los Angeles Department of Water and Power
LAFD	Los Angeles Fire Department
LA-NMS	Los Angeles – North Main Street
LAPD	Los Angeles Police Department
LARWQCB	Los Angeles Regional Water Quality Control Board
LAUS	Los Angeles Union Station
LAUSHS	Los Angeles Union Station Historical Society
LB-H	Long Beach – Hudson
LBN	Long Beach North
LB-NR	Long Beach – Near Road
LBP	lead-based paint
LBPD	Long Beach Police Department
lbs/day	pounds per day
L_{dn}	day-night noise level
LEED	Leadership in Energy and Environmental Design
LEL	lower explosive limit
L_{eq}	equivalent noise level
LID	low impact development
Link US	Link Union Station
L_{max}	maximum sound level
LOS	level-of-service
LOSSAN	Los Angeles – San Diego – San Luis Obispo Rail Corridor
LRT	light rail transit
LRTP	long range transportation plan
LRV	light rail vehicle
MAP-21	Moving Ahead for Progress in the 21st Century Act
MDE	maximum design earthquake
Metro	Los Angeles County Metropolitan Transportation Authority
Metro Board	Metro Board of Directors
mG	milligauss

Acronym	Definition
MMTCO ₂ e	million metric tons of CO ₂ e
MOS	minimum operable segment
MPE	maximum permissible exposure
mph	miles per hour
MRDC	Metro Rail Design Criteria
MRI	magnetic resonance imaging
MRN	Map Reference Number
MS4	municipal separate storm sewer system
MSAT	Mobile Source Air Toxic
MSF	maintenance and storage facility
msl	mean sea level
MTCO ₂ e	metric tons of CO ₂ e
MUTCD	Manual of Uniform Traffic Control Devices
MWD	Metropolitan Water District
N ₂ O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAGPRA	Native American Graves Protection and Repatriation Act
NAHC	Native American Heritage Commission
National Register	National Register of Historic Places
NEPA	National Environmental Policy Act
NFIP	National Flood Insurance Program
NHMLAC	Natural History Museum of Los Angeles County
NHPA	National Historic Preservation Act
NO ₂	nitrogen dioxide
NOI	Notice of Intent
NOP	Notice of Preparation
NO _x	nitrogen oxide
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historic Places
NTS	Norwalk Transit System
O&M	operation and maintenance
O ₃	ozone
OCS	overhead catenary system

Acronym	Definition
ODE	operating design earthquake
OEHHA	California Office of Environmental Health Hazard Assessment
OPR	Governor’s Office of Planning and Research
OSHA	U.S. Occupational Safety and Health Administration
OVT	out-of-vehicle travel time
P	Primary Number
P.L.	Public Law
PAH	polycyclic aromatic hydrocarbons
Pb	lead
PCB	polychlorinated biphenyls
pCi/l	picocuries per liter of air pCi/l
PE	Preliminary Engineering
PEL	permissible exposure limit
PEROW	Pacific Electric Right-of-Way
PGA	peak ground acceleration
PHA	Preliminary Hazard Analysis
PHBT	Puente Hills Blind Thrust Fault
PM	particulate matter
PM ₁₀	respirable particulate matter of diameter less than 10 microns
PM _{2.5}	fine particulate matter of diameter less than 2.5 microns
ppm	parts per million
PPV	peak particle velocity
PRC	Public Resources Code
PRMMP	Paleontological Resources Mitigation and Monitoring Program
Project	West Santa Ana Branch Transit Corridor Project
PSR/PR	Project Study Reports/Project Reports
RCRA	Resource Conservation and Recovery Act
RMS	root mean square
ROD	Record of Decision
ROW	right-of-way
RTIP	Regional Transportation Improvement Plan
RTP	Regional Transportation Plan
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy

Acronym	Definition
RWQCB	Regional Water Quality Control Board
SAFETA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
SARA	Superfund Amendments and Reauthorization Act
SB	Senate Bill
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCCIC	South Central Coastal Information Center
SCH	State Clearinghouse
SCS	Sustainable Communities Strategy
SEL	sound exposure level
SGMA	Sustainable Groundwater Management Act
SHPO	State Historic Preservation Officer
SIP	State Implementation Plan
SLF	Sacred Lands File
SMAQMD	Sacramento Metropolitan Air Quality Management District
SO ₂	sulfur dioxide
SR	State Route
SRA	Source Receptor Areas
STEL	short-term exposure limit
SWG	Stakeholder Working Group
SWIS	Solid Waste Information System
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	Toxic Air Contaminants
TAP	Tunnel Advisory Panel
TAZ	Transportation Analysis Zone
TBM	tunnel boring machine
TC&C	train control and communications
TCE	temporary construction easement
TCP	Traditional Cultural Property
TCR	Tribal Cultural Resource
TLV	threshold limit value

Acronym	Definition
TMDL	total maximum daily load
TMP	Transportation Management Plan
TOD	transit-oriented development
TOD-SIP	Transit-Oriented Development Strategic Implementation Plan
TPSS	traction power substation
TRB	Transportation Research Board
TRS	Technical Refinement Study
TSB	LACSD Transit Services Bureau
TVA	Threat and Vulnerability Assessment
TWA	time weighted average
U.S.C.	United States Code
UBC	Uniform Building Code
UEL	upper explosive limit
UPRR	Union Pacific Railroad
US-101	U.S. Highway 101
USACE	United States Army Corps of Engineers
USDHHS	United States Department of Health and Human Services
USDOT	U.S. Department of Transportation
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
UST	underground storage tanks
VdB	decibel notation
VMT	vehicle miles traveled
VOC	volatile organic compounds
WDR	waste discharge requirement
WRD	Water Replenishment District of Southern California
WSAB	West Santa Ana Branch