

## **Appendix D. List of Acronyms and Abbreviations**

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## A

**AADT:** average annual daily traffic

**AB:** Assembly Bill

**ACHP:** Advisory Council on Historic Preservation

**ADA:** Americans with Disabilities Act

**ADL:** aerially deposited lead

**ADT:** average daily traffic

**AE:** Adverse Effect

**AEP:** Associate Environmental Planner

**AEPNS:** Associate Environmental Planner, Natural Science

**AHERA:** Asbestos Hazard Emergency Response Act

**AIRFA:** American Indian Religious Freedom Act

**APCD:** Air Pollution Control District

**APE:** Area of Potential Effects

**APEFZ:** Alquist-Priolo Earthquake Fault Zone

**AQMD:** Air Quality Management District

**ARB:** Air Resources Board

**ARPA:** Archaeological Resources Protection Act of 1979

**ARTIC:** Anaheim Regional Transportation Intermodal Center

**ASR:** Archaeological Survey Report

**ASTM:** American Society for Testing Materials

**ATCM:** Airborne Toxic Control Measure

**AVO:** Average Vehicle Occupancy

## B

**BA:** Biological Assessment

**Bgs:** below ground surface

**BFE:** Base Flood Elevation

**BIA:** Bureau of Indian Affairs

**BLM:** Bureau of Land Management

**BMP:** Best Management Practice

**BNSF:** Burlington Northern Santa Fe

**BO:** Biological Opinion

**BTU:** British thermal unit

## C

**CAA:** Clean Air Act

**Cal/EPA:** California Environmental Protection Agency

**Cal/OSHA:** California Division of Occupational Safety and Health Administration

**CalRecycle:** California Department of Resources Recycling and Recovery

**Caltrans:** California Department of Transportation

**CCAA:** California Clean Air Act

**CCC:** California Conservation Corps

**CCO:** Contract Change Order

**CCR:** California Code of Regulations

**CDC:** Centers for Disease Control and Prevention

**CDFW:** California Department of Fish and Wildlife

**CDP:** Coastal Development Permit

**CE:** Categorical Exclusion (NEPA) or Categorical Exemption (CEQA)

**CEQ:** Council on Environmental Quality

**CEQA:** California Environmental Quality Act

**CERES:** California Environmental Resources Evaluation System

**CERLA:** Comprehensive Environmental Response, Compensation, and Liability Act

**CERFA:** Community Environmental Response Facilitation Act of 1992

**CESA:** California Endangered Species Act

**CFR:** Code of Federal Regulations

**CGS:** California Geological Survey

**CHL:** California Historical Landmarks

**CHP:** California Highway Patrol

**CHRIS:** California Historical Resources Information System  
**CIA:** Community Impact Assessment  
**CL:** center line  
**CMP:** Conceptual Mitigation Plan  
**CNDDDB:** California Natural Diversity Database  
**CNEL:** community noise equivalent level  
**CNPS:** California Native Plant Society  
**COG:** Council of Governments  
**COZEEP:** Construction Zone Enhanced Enforcement Program  
**CPHI:** California Points of Historical Interest  
**CPD:** Construction Procedures Directives  
**CPRA:** California Public Records Act  
**CRHR:** California Register of Historical Resources  
**CRM:** Cultural Resources Management  
**CSO:** Cultural Studies Office  
**CT:** California Department of Transportation  
**CTC:** California Transportation Commission  
**CTP:** California Transportation Plan  
**CUPA:** Certified Unified Program Agencies  
**CWA:** Clean Water Act

## **D**

**DA:** Department of the Army (U.S.)  
**dB(A):** A-weighted decibel  
**dB(A) Leq:** A-weighted noise level  
**DBH:** Diameter at breast height  
**DEA:** Division of Environmental Analysis  
**DED:** draft environmental document  
**DEIR:** Draft Environmental Impact Report (CEQA)  
**DEIS:** Draft Environmental Impact Statement (NEPA)

**DES-OE:** Division of Engineering Services-Office Engineer

**the Department:** California Department of Transportation

**DLAE:** District Local Assistance Engineer

**DNAC:** District Native American Coordinator

**DOC:** California Department of Conservation

**DOD:** Department of Defense [U.S.]

**DOI:** Department of the Interior [U.S.]

**DOT:** Department of Transportation [general]

**DRID:** Draft Relocation Impact Document

**DRIM:** Draft Relocation Impact Memorandum

**DPR:** Draft Project Report

**DPR:** California Department of Parks and Recreation

**DRP:** Data Recovery Plan

**DSA:** Disturbed Soil Area

**DSI:** Detailed Site Investigation

**DTSC:** California Department of Toxic Substances Control

**DWR:** California Department of Water Resources

## E

**EA:** Environmental Assessment [NEPA}

**EA:** Expenditure Authorization

**EBC:** Environmental Branch Chief

**ECL:** Environmental Construction Liaison/Coordinator

**ECR:** Environmental Commitments Record

**ED:** environmental document

**EFH:** Essential Fish Habitat

**EH:** Environmental Handbook

**EIR:** Environmental Impact Report [CEQA]

**EIS:** Environmental Impact Statement [NEPA]

**EJ:** Environmental Justice

**ELAP:** Environmental Laboratory Accreditation Program  
**EMO:** Environmental Management Office  
**EO:** Executive Order  
**EOC:** Environmental Office Chief  
**EP:** Environmental Planner  
**EPA:** Environmental Protection Agency  
**EPNS:** Environmental Planner (Natural Science)  
**ESA:** Environmentally Sensitive Area  
**ESA:** Endangered Species Act  
**ESR:** Environmental Study Request  
**ESU:** Environmentally Significant Unit (relates to salmonids)

## **F**

**FAE:** Finding of Adverse Effect  
**FAC:** Facultative  
**FACW:** Facultative Wetland  
**FACU:** Facultative Upland  
**FBFM:** Flood Boundary and Floodway Map  
**FCAA:** Federal Clean Air Act  
**FED:** final environmental document  
**FEIR:** Final Environmental Impact Report (CEQA)  
**FEIS:** Final Environmental Impact Statement (NEPA)  
**FEMA:** Federal Emergency Management Agency  
**FESA:** Federal Endangered Species Act  
**FHWA:** Federal Highway Administration  
**FIFRA:** Federal Insecticide, Fungicide, and Rodenticide Act  
**FIRM:** Flood Insurance Rate Map  
**FIS:** Flood Insurance Study  
**FLPMA:** Federal Land Policy and Management Act of 1976  
**FNAE:** Finding of No Adverse Effect

**FOE:** Finding of Effect

**FOIA:** Freedom of Information Act

**FONSI:** Finding of No Significant Impact [NEPA]

**FPPA:** Farmland Protection Policy Act

**FR:** Federal Register

**FRA:** Federal Railroad Administration

**FRID:** Final Relocation Impact Document

**FRIS:** Final Relocation Impact Statement

**FTA:** Federal Transit Authority

**FSTIP:** Federal State Transportation Improvement Program

**FTIP:** Federal Transportation Improvement Program

**FY:** Fiscal Year

## G

**GHG:** greenhouse gas

**GIS:** Geographic Information Systems

**GP:** General Purpose

**GPR:** Ground Penetrating Radar

**GPS:** Global Positioning System

## H

**HA:** Highway Agency

**HABS:** Historic American Building Survey

**HAER:** Historic American Engineering Record

**HASR:** Historic Architectural Survey Report

**HCM:** Highway Capacity Manual

**HCP:** Habitat Conservation Plan

**HDM:** Highway Design Manual

**HMDD-A:** Hazardous Materials Disclosure Document-Acquisition

**HMDD-D:** Hazardous Materials Disclosure Document-Disposal



**HOV:** High-Occupancy Vehicle  
**HPSR:** Historic Property Survey Report  
**HRC:** Heritage Resources Coordinator  
**HRCR:** Historical Resources Compliance Report  
**HRER:** Historical Resources Evaluation Report  
**HSG:** Hydrologic Soil Group  
**HSWA:** Hazardous and Solid Waste Amendments

## I

**I:** Interstate  
**IAC:** Interagency Consultation  
**IGR:** Intergovernmental Review  
**IIP:** Interregional Improvement Program  
**IP:** Individual Permit  
**IPCC:** Intergovernmental Panel on Climate Change  
**IS/EA:** Initial Study / Environmental Assessment [CEQA]  
**ISA:** Initial Site Assessment  
**ISTEA:** Intermodal Surface Transportation  
Efficiency Act of 1991  
**ITE:** Institute of Transportation Engineers  
**ITIP:** Interregional Transportation Improvement Program  
**ITP:** Incidental Take Permit  
**ITSP:** Interregional Transportation Strategic Plan  
**ITTE:** Institute of Transportation and Traffic Engineering

## J

**JD:** Jurisdictional Determination

## K

**KP:** kilometer post

## L

**LAPM:** Local Assistance Procedures Manual  
**LEDPA:** Least Environmentally Damaging Practicable Alternative  
**LESA:** Land Evaluation and Site Assessment  
**LOMR:** Letter of Map Revision  
**LOP:** Letter of Permission  
**LOS:** Level of Service  
**LUPIN:** Land Use Planning Information Network  
**LUST:** leaking underground storage tank  
**LWCFA:** Land and Water Conservation Fund Act of 1965

## M

**MAP-21:** Moving Ahead for Progress in the 21st Century Act  
**MBTA:** Migratory Bird Treaty Act  
**MCCE:** Mitigation and Compliance Cost Estimate  
**MCE:** Maximum Credible Earthquake  
**MEP:** Maximum Extent Practicable  
**MLD:** Most Likely Descendant  
**MND:** Mitigated Negative Declaration [CEQA]  
**MOA:** Memorandum of Agreement  
**MOU:** Memorandum of Understanding  
**MPH:** Miles per Hour  
**MPO:** Metropolitan Planning Organization  
**MS4:** Municipal Separate Storm Sewer System  
**MSAT:** Mobile Source Air Toxics  
**MSL:** Mean Sea Level  
**MTP:** Metropolitan Transportation Plan  
**MTIP:** Metropolitan Transportation Improvement Program

## **N**

**NAAQS:** National Ambient Air Quality Standards

**NAC:** Noise Abatement Criteria

**NADR:** Noise Abatement Decision Report

**NAE:** No Adverse Effect

**NAGPRA:** Native American Graves Protection and Repatriation Act of 1990

**NAHC:** Native American Heritage Commission

**NCCP:** Natural Community Conservation Planning

**NCHRP:** National Cooperative Highway Research Program

**NCSE:** National Council for Science and the Environment

**ND:** Negative Declaration [CEQA]

**NEPA:** National Environmental Policy Act

**NES:** Natural Environment Study

**NES-MI:** Natural Environmental Study (Minimal Impact)

**NESHAP:** National Emissions Standards for Hazardous Air Pollutants

**NFIP:** National Flood Insurance Program

**NFSAM:** National Flood Security Act Manual

**NHL:** National Historic Landmark

**NHPA:** National Historic Preservation Act

**NHS:** National Highway System

**NI:** No Indicator

**NMFS:** National Marine Fisheries Service

**NNL:** National Natural Landmark

**NOA:** naturally occurring asbestos

**NOA:** Notice of Availability

**NOA:** Naturally Occurring Asbestos

**NOAA:** National Oceanic and Atmospheric Administration

**NOC:** Notice of Completion

**NOD:** Notice of Determination

**NOE:** Notice of Exemption  
**NOI:** Notice of Intent  
**NOP:** Notice of Preparation  
**NPDES:** National Pollutant Discharge Elimination System  
**NPL:** National Priorities List  
**NPRM:** Notice of Proposed Rule Making  
**NPS:** National Park Service  
**NR:** National Register [of Historic Places]  
**NRCS:** National Resources Conservation Service  
**NRHP:** National Register of Historic Places  
**NSSP:** Nonstandard Special Provision  
**NWP:** Nationwide Permit

## O

**OBL:** Obligate Wetland  
**OBU:** Obligate Upland  
**O.C.:** Overcrossing  
**OCGB:** Orange County Groundwater Basin  
**OHWM:** Ordinary High Water Mark  
**OPR:** Office of Planning and Research  
**OSHA:** Occupational Safety Hazard Administration  
**OCTA:** Orange County Transportation Authority

## P

**PA:** Programmatic Agreement  
**PA&ED:** Project Approval and Environmental Document  
**PAM:** Permits, Agreements, and Mitigation  
**PCB:** Polychlorinated biphenyls  
**PDPM:** [Caltrans] Project Development Procedures Manual  
**PDT:** Project Development Team

**PE:** Project Engineer  
**PEP:** Plant Establishment Period  
**PEAR:** Preliminary Environmental Assessment Report  
**PEER:** Permit Engineering Evaluation Report  
**PER:** Paleontological Evaluation Report  
**PG:** Professional Geologist  
**PID:** Project Initiation Document  
**PILOT PROGRAM:** Surface Transportation Project Delivery Pilot Program  
**PIR:** Paleontological Identification Report  
**PLAC:** Permits, Licenses, Agreements, and Certifications  
**PM:** particulate matter  
**PM:** post mile  
**PM<sub>10</sub>:** particulate matter less than 10 microns in diameter  
**PM<sub>2.5</sub>:** particulate matter less than 2.5 microns in diameter  
**PMP:** Paleontological Mitigation Plan  
**PMR:** Paleontological Mitigation Report  
**POAQC:** Project of Air Quality Concern  
**ppb:** parts per billion  
**ppm:** parts per million  
**PR:** Project Report  
**PRC:** [California] Public Resources Code  
**PS&E:** Plans, Specifications, and Estimates  
**PSI:** Preliminary Site Investigation  
**PSI:** pounds per square inch  
**PSR:** Project Study Report  
**PSR-PDS:** Project Study Report-Project Development Support  
**PUC:** Public Utilities Commission [California]

## Q

## R

- RAP:** Relocation Assistance Program
- RCR:** Route Concept Report
- RCRA:** Resource Conservation and Recovery Act of 1976
- RE:** Resident Engineer
- RIP:** Regional Improvement Program
- ROD:** Record of Decision [NEPA]
- ROW:** right of way
- RR:** Railroad
- RTIP:** Regional Transportation Improvement Program
- RTP:** Regional Transportation Plan
- RTPA:** Regional Transportation Planning Agency
- RWQCB:** Regional Water Quality Control Board

## S

- SACOG:** Sacramento Area of Council of Governments
- SAFETEA-LU:** Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
- SANDAG:** San Diego Association of Governments
- SAR:** Santa Ana River
- SART:** Santa Ana River Trail
- SARA:** Superfund Amendments and Reauthorization Act
- SB:** Senate Bill
- SCAB:** South Coast Air Basin
- SCAG:** Southern California Association of Governments
- SCCIC:** South Central Coastal Information Center
- SCH:** [California] State Clearinghouse
- SCRRA:** Southern California Regional Rail Authority
- SDC:** Seismic Design Criteria

**SDWA:** Safe Drinking Water Act  
**SEE:** social, economic, and environmental  
**SEP:** Senior Environmental Planner  
**SER:** Standard Environmental Reference  
**SFHA:** Special Flood Hazard Area  
**SHA:** State Highway Agency  
**SHBSB:** State Historical Building Safety Board  
**SHL:** State Historical Landmark  
**SHOPP:** State Highway Operation and Protection Program  
**SHPO:** State Historic Preservation Officer  
**SHS:** State Highway System  
**SI:** Safety Index  
**SIP:** State Implementation Plan  
**SLC:** [California] State Lands Commission  
**SMARA:** Surface Mining and Reclamation Act of 1975  
**SOC:** Statement of Overriding Considerations [CEQA]  
**SOL:** Statute of Limitations  
**SR:** State Route  
**SSP:** Standard Special Provision  
**STIP:** Statewide Transportation Improvement Program  
**SWMP:** Storm Water Management Plan  
**SWPPP:** Storm Water Pollution Prevention Plan  
**SWRCB:** State Water Resources Control Board

## **T**

**T&E:** Threatened and Endangered  
**TAC:** Technical Advisory Committee  
**TASAS:** Traffic Accident Surveillance and Analysis System  
**TCE:** Temporary Construction Easement  
**TCM:** Transportation Control Measure

**TCP:** Traditional Cultural Property or Place  
**TCR:** Transportation Concept Report  
**TDM:** Transportation Demand Management  
**TEA-21:** Transportation Equity Act for the 21st Century  
**TeNS:** Technical Noise Supplement  
**THPO:** Tribal Historic Preservation Officer  
**TIP:** Transportation Improvement Program  
**TMDL:** Total Maximum Daily Load  
**TMP:** Traffic Management Plan  
**TOAR:** Traffic Operations Analysis Report  
**TSCA:** Toxic Substances Control Act  
**TSM:** Transportation Systems Management  
**TP:** Transportation Planner  
**TRB:** Transportation Research Board

## U

**U.C.:** Undercrossing  
**U.S.:** United States  
**U.S. EPA:** United States Environmental Protection Agency  
**USACE:** United States Army Corps of Engineers  
**USC:** United States Code  
**USCG:** United States Coast Guard  
**USDA:** United States Department of Agriculture  
**USDOT:** United States Department of Transportation  
**USFS:** United States Forest Service  
**USFWS:** United States Fish and Wildlife Service  
**USGS:** United States Geological Survey  
**UST:** underground storage tanks



**V**

**V/C:** Volume/Capacity

**VMT:** Vehicle Miles of Travel

**VOC:** volatile organic compounds

**W**

**WDR:** Waste Discharge Requirements

**WPCP:** Water Pollution Control Plan

**WSE:** Water Surface Elevation

**X**

**Y**

**Z**

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