

# Transportation-Related and Other Acronyms in Common Usage

Bold = Deemed to be particularly common in Caltrans Local Assistance

Last edited 03/28/12

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Acronyms have become an increasingly prevalent part of western culture. They are used in almost all occupations as a form of communications shorthand. This list is an attempt to identify and explain those acronyms in common usage among transportation professionals in California.

The list was compiled by a former Caltrans employee over a number of years and *is not an official Caltrans document*. It is offered as an informational tool. Its presence on this website does not constitute advocacy or requirement of usage. If you have comments, questions or additions, please contact the [Division of Local Assistance Training Coordinator](#). We will make corrections as appropriate.

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## Numerical

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		AB 872	1999: Authorizes local agencies to spend Fed & State matching funds in current STIP for eligible work prior to allocation by CTC.
3C	Continuing, Cooperative and Comprehensive planning	AB1012	1999: Main intent to reduce large cash balance in State Highway Account by accelerating project delivery. Contains use it or lose it language whereby funds not obligated within three years of allocation lapse and are distributed to other projects.
3E	Education, Enforcement & Encouragement (SR2S)		
3R	Resurfacing, Restoration & Rehabilitation work		
4R	All of the above, plus Reconstruction		
404	ACOE permit for waterway dredging or filling	AB1475	SR2S established in CA
<b>A</b>		AB2928	2000: Traffic Congestion Relief Act, \$5 billion. Also establishes exchange of Fed RSTP & CMAQ funds for State transportation funds.
gAA	Affirmative Action		Transportation Enhancement Relief Act
AAEE	American Academy of Environmental Engineers	AB3929	
AA/EO	Affirmative Action and Equal Opportunity	ABA	Appropriated Budget Authority
AAMAS	Asphalt Aggregate Mixture Analysis System	ABAG	Association of Bay Area Governments
AAP	Arterial Analysis Package	ABET	Accreditation Board for Engineering and Technology
AAR	Agency Action Request	ABM	Air Blown Mortar
AARP	American Association of Retired Persons	ABME	Area Bridge Maintenance Engineer
<b>AASHTO</b>	<b>American Assoc. of State Highway Officials</b>	ABS	Acroconitril-Butadiene-Styrene, Antilock Braking System
AADT	Average Annual Daily Traffic (two way)		
AADTT	Average Annual Daily Truck Traffic		
AB	Aggregate Base	AC	Advance Construction
AB69	Created RTPAs	A&C	Abatement and Control
AB140	1988, Deddeh Act, revised the STIP process	ACB	Asphalt Concrete Base
AB402	1977, Alquist/Ingalls Act, California Transportation Reform Act, set up the STIP process & CTC	ACE	Alamont Commuter Express; Rail Program – Stockton to San Jose
		ACHP	Advisory Council on Historic Preservation
		ACI	American Concrete Institute

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ACOE	Army Corps of Engineers	ALOADS	Automated Location and Design System
ACP	Asphalt Concrete Pavement, Asbestos Cement Pipe	AL	Acceptable Level, regulatory Action Level (water qual.)
ACPA	American Concrete Pavement Assoc.	ALP	Annual Leave Program
ACPPA	American Concrete Pressure Pipe Association	AM	Amplitude Modulation, Anti Meridian
ACR	Allocation Change Request	AMBAG	Association of Monterey County Bay Area Govts
ACSP	Automated Capital Spending Plan	AMBER alert	America's Missing: Broadcast Emergency Response
ACTA	Alameda County Transportation Authority	AMFA	Alternative Motor Fuels Act
ACWP	Actual Cost of Work Performed	AMIS	Automated Management Information System
<b>ADA</b>	<b>Americans with Disabilities Act</b> , Advance Deposit Application (for local program reimbursements.)	AMPS	Advanced Mobile Phone System (ITS)
ADAAG	Americans with Disabilities Act Accessibility Guidelines	ANPRM	Advanced Notice of Proposed Rule Making
ADIS	Advanced Driver Information System	ANSI	American National Standards Institute
ADM	Arrow Diagramming Method	ANWR	Arctic National Wildlife Refuge (Alaska)
ADMS	Archived Data Management Subsystem (ITS)	AO	Agency Object (3-digit code used in TRS, also in WBS)
ADR	Alternative Dispute Resolution	AOA	Activity-on-Arrow
AdSC	Administrative Service Center	AON	Activity-on-Node
<b>ADT</b>	<b>Average Daily Traffic</b>	APA	Asphalt Pavement Alliance
ADUS	Archived Data User Service (ITS)	<b>APE</b>	<b>Area of Potential Effect</b>
AE	Area Engineer	APCD	Air Pollution Control District
A&E	Architectural & Engineering	APDE	Advance Project Development Element
AED	Associated Equipment Distributors	APEC	Automated Procedures for Engin. Consultants
AEM	Acoustic Emission Monitoring	APEI	Area of Potential Environmental Impact
AEP	Association of Environmental Professionals	APHA	American Public Health Association
AFD	Architecture Flow Diagram	APM	Area Project Managers, Assistant Project Manager
AFO	Animal Feeding Operation	APN	Assessor's Parcel Number
AFT	American Farmland Trust	ARRA	Asphalt Recycling and Reclamation Assoc.
AGC	Association of General Contractors	APS	Advance Planning Study; Accessible Pedestrian Signals
AGT	Automated Guideway Transit	APSEA	Asian-Pacific State Employees Association
AHAR	Automatic Highway Advisory Radio	APT	Accelerated Pavement Testing
AHS	Automated Highway System, Average Highway Speed	APTA	American Public Transit Association
AI	Artificial Intelligence; active ingredient Asphalt Institute	APTS	Advanced Public Transportation System (ITS)
AIA	American Institute of Architects	APU	auxiliary power units
AIAC	American Indian Advisory Council	APWA	American Public Works Association
AI/E	Architectural Inventory/Evaluation form	AQCP	Air Quality Control Program
AID	Architecture Interconnect Diagram (ITS)	AQCR	Air-Quality Control Region
AIHA	American Industrial Health Association	AQI	Air Quality Index
AIMS	Agency Information Management Strategy (TMS)	AQMA	Air-Quality Maintenance Area
AIP	American Institute of Planners	AQMD	Air Quality Management District
AIRS	Aerometric Information Retrieval System	AQMP	Air Quality Management Plan
ALGOL	Algebraic Oriented Language	ARA	Automatic Road Analyzer
		ARB	Air Resources Board
		AR's	Attainment Regulations

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	amounts of BFR residues have been detected in humans and the environment.	CA	(1977 & 1970) Contract Authority, Certification Acceptance
BHT	Business, Housing, and Transportation Agency	CAATS	Calif. Alliance for Advanced Transportation Systems
BIA	Bureau of Indian Affairs;		
	Building Industry Association	CAC	California Administrative Code,
BIOS	Basic Input/Operating System		Citizens Advisory Committee
<b>BIR</b>	<b>Bridge Inspection Report</b>	CAD	Computer-Aided Drafting
BIT	Binary Digit	CADD	Computer-Aided Drafting and Design
<b>BLA</b>	<b>Bicycle Lane Account program (State)</b>	CAER	Community Awareness and Emergency Response
BLM	Bureau of Land Management	CAFO	Concentrated Animal Feedlot;
BMP	Best Management Practice		Consent Agreement/Final Order
BMS	Bridge Management System, process for achieving cost effective maintenance	CAG	Citizens Advisory Group
		CAH	Controlled Access Highways
BNF	Backus- Naur Form (ITS)	CALACT	Calif. Association for Coordinated Transportation
BNSF	Burlington Northern Santa Fe	CASASFMRA	California Association of Farm Managers and Rural Assessors
BO	Budget Obligations, Biological Opinion		
BOD	Biochemical Oxygen Demand,	CALNET	Calif. Integrated Telecom. System (8-....)
	Biological Oxygen Demand	Cal/OSHA	Calif. Office of Safety and Health Administration
BOD5	biochemical oxygen demand (as measured in the standard 5-day test)	CAM	Caltrans Administrative Manual, Cooperative Agreement Manual
BSO	Building, Structures and Obstruction report (HPSR)	CAMP	Continuous Air Monitoring Program
		CANDE	Culvert Analysis and Design
BP	Before Present, Boiling Point	CAO	Corrective Action Order
BPM	Beginning Post Mile. = zero at south or west County line	CAP	Corrugated Aluminum Pipe, Certification Acceptance Plan
BPR	Business Process Review (1997 study of project management in Caltrans)		Corrective Action Plan. Control Account Plan
BPR	Bureau of Public Roads		Cost Allocation Procedure.
BRT	Bus Rapid Transit (ITS)		Criteria Air Pollutant
BSR	Beginning of Slope Rounding	CAPA	Corrugated Aluminum Pipe Arch
BSW	Back of Sidewalk	CAPM	Capital Preventive Maintenance
<b>BTA</b>	<b>Bicycle Transportation Account</b>	CAQP	Congestion and Air Quality Program
BT&H	Business, Transportation and Housing Agency	CAR	Caltrans Action Request, Cooperative Agreement Report
BTOS	Basic Traffic Operations System		
BTS	Bureau of Transportation Statistics	CARB	California Air Resources Board
BUN	Blood Urea Nitrogen	CARS	Caltrans Auxiliary Radio System
BVC	Begin Vertical Curve	CAS	Construction area signs
BW	Barbed Wire	CASAC	Clean Air Scientific Advisory Committee
BWF	Barbed Wire Fence	CASE	Computer Aided Software Engineering; Computer Aided Systems Engineering (ITS)
<b>C</b>		CASP	California Aviation System Plan; Corrugated Aluminized Steel Pipe
CAA	Federal Clean Air Act (1970), Cable Anchor Assembly	<b>CAT EX</b>	<b>Categorical Exemption (State); Categorical Exclusion (Federal)</b>
CAAA	Clean Air Act Amendment of 1990,	CATIA	Clean Air and Transportation Improvement Act

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CATV	Cable Television	CEC	California Energy Commission;
CB	Catch Basin, Citizens Band		Caltrans Encroachment Committee
CBA	Cost Benefit Analysis	CELSOC	Consulting Engs. and Land Surveyors of Calif.
CBC	California Bicycle Coalition, California Building Code	CEMs	Continuous Emissions Monitors
CBD	Central Business District	CEP	Cumulative Exposure Project
CBMC	Causes Beyond My Control (my coinage)	CEQ	Council of Environmental Quality (Federal Agency)
CBO	Congressional Budget Office	<b>CEQA</b>	<b>California Environmental Quality Act (1970)</b>
CBR	California Bearing Ratio	CERCLA	Comprehensive Environmental Response, Compensation/Liab. Act
CBTP	Community Based Transportation Planning grants		
CC	Construction Complete	CERES	Calif. Envir. Resources Evaluation System
CCA	California Coastal Act of 1976	CERF	Civil Engineering Research Foundation
CCAA	Calif. Clean Air Act	CERL	Construction Engineering Research Laboratory
CCAPA	California Chapter of the American Planning Association	CESA	Calif. Endangered Species Act
CCB	Change Control Board	CEU	Continuing Education Unit
CCC	California Coastal Commission; California Conservation Corps	CFC	Cost of Facilities Capital, Chlorofluorocarbons
CCI	Construction Cost Index	CFDA	Catalogue of Federal Domestic Assistance <a href="http://aspe.os.dhhs.gov/cfda/index.htm#newsearch">http://aspe.os.dhhs.gov/cfda/index.htm#newsearch</a>
CCIC	Central California Information Center	CFM	Chlorofluoromethanes
CCMP	Comprehensive Conservation and Manage. Plan	<b>CFR</b>	<b>Code of Federal Regulations</b>
CCO	Contract Change Order	CFRA	The California Family Rights Act of 1992 is a State law administered and enforced by the California Department of Fair Employment and Housing. CFRA was revised to conform to the Family Medical Leave Act of 1993.
CCR	California Code of Regulations		
CCROC	California Civil Rights Officers Council		
CCS	California Coordinate System; Construction Control Survey	CFRP	Carbon-Fiber-Reinforced-Plastic
CCSFCC	City-County-State-Federal Cooperation Council	CFS	Cubic feet per second
CCTV	Closed Circuit TV	CFU	Colony Forming Unit (water qual)
CD	Contract delegation (purchase order)	C&G	Curb and Gutter
CDC	Centers for Disease Control	CGP	Construction General Permit (NPDES)
CDF	California Department of Forestry	CH <sub>4</sub>	Methane
CDBG	Community Development Block Grant	CHIN	California Highway Information Network
CDFG	Calif. Dept of Fish & Game	CHP	Calif. Highway Patrol
CDH	California Division of Highways	CHIN	California Highway Information Network: 1-800-427-7623, 999 or <a href="http://www.dot.ca.gov/hq/roadinfo">www.dot.ca.gov/hq/roadinfo</a> , #999
CDL	California Drivers License		
CDMA	Code Division Multiple Access (ITS)		
CDPD	Cellular Digital Packet Data (ITS)	<b>CHRIS</b>	<b>Calif. Historical Resources Information System</b>
CD(PO)	Contract Delegation (Purchase Order)	<b>CIA</b>	<b>Community Impact Assessment</b> ; Evaluates the impacts that a project may have on community, incl. neighborhoods and farmland.
<b>CE</b>	<b>Categorical Exclusion (NEPA); Categorical Exemption, (CEQA)</b> Construction Engineering	CIC	Critical Intersection Control
CEA	Career Executive Assignment (Appointment)	CIDH	Cast-in-Drilled-Hole
CEAC	County Engineers Association of California;	CIMAC	Caltrans Improves Mobility Across California

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CIP	Capital Improvement Program – 7-year program to maintain or improve traffic LOS & transit performance and to mitigate impacts identified by the CMP;	COL	Collector (Urban)
	Cast-in-Place; cast iron pipe	Congestion	Reduced speeds less than 35 MPH for longer than 15 min.
CIPCP	cast-in-place concrete pipe	COP	Capital Outlay Projects
CIR	Council on Intergovernmental Relations	CORBA	Common Object Request Broker Architecture (ITS)
	Cold In Place (recycling of asphalt)	COS	Capital Outlay Support
CIT	California Institute of Technology	COTR	Contracting Officer Technical Representative (ITS)
CITAB	Calif. Information Technology Advisory Board	COZEEP	COstruction Zone Enhanced Enforcement Program or Patrol
CIU	Controller Interface Unit	CP	Capital Projects
CIWMB	California Integrated Waste Management Board	CPC	Consolidated Planning Committee (STANCOG)
C&L	Certification and Licensing	CPF	Combined Pay Factor
CLAS	California Leave Accounting System	CPFF	Cost-Plus-Fixed-Fee
CLP	Continuous Learning Program	CPH	California Permit Handbook
CLUP	Comprehensive Land Use Plan	CPI	Cost Performance Index
CMA	Congestion Management Agencies	CPIF	Cost-Plus-Incentive-Fee
<b>CMAQ</b>	<b>Congestion Mitigation and Air Quality</b>	CPM	Critical Path Method
CMB	Concrete Median Barrier	CPMC	Capital Projects Management Council
CMC	Construction Metrication Council	CPR	Cardio-Pulmonary Resuscitation
CMP	Congestion Management Program, Plan; Corridor Management Plan (Scenic Highways); Corrugated Metal Pipe	CPRC	California Public Resources Code
		CPSD	Capital Project Skill Development
CMS	Congestion Management System, Changeable Message Signs	CPU	Central Processing Unit
		CPUC	Calif. Public Utilities Commission
CMSA	Consolidated Metropolitan Statistical Area	CRAC	Cold Recycled AC
CMV	commercial motor vehicles	CRAP	Construction Records and Procedures
CNDDDB	California Natural Diversity Data Base	CRB	Contract Review Board
CNG	Compressed Natural Gas	CRCP	Continuously Reinforced Concrete Pavement
CNLM	Center for Natural Lands Management.	CRDA	Cooperative Research and Development Agreement
CNPS	California Native Plant Society (data base)	CRHP	California Register of Historic Places
CO	Carbon Monoxide	CRIP	Cost Reduction Incentive Proposal
COB	Close of Business	CRLF	California Red Legged Frog
COBOL	Common Business Oriented Language	CRP	Conservation Reserve Program;
COBRA	Consolidated Omnibus Reconciliation Act		Combined Road Plans
COCO	Contractor-Owned/ Contractor-Operated	CRSI	Concrete Reinforcing Steel Institute
COD	Chemical Oxygen Demand	CRT	Cathode Ray Tube
CODP	Career Opportunity Development Program	CRV	California Redemption Value
COE	Category of Expenditure (budgetary grouping)	CSAC	California State Association of Counties;
	U.S. Army Corps of Engineers		California Supervisors Association of California
COFPAES	Council on the Federal Procurement of Architectural and Engineering Services	<b>CSD</b>	<b>Context Sensitive Design</b>
		CSEA	California State Employees Association
<b>COG</b>	<b>Council of Governments (local, see LTA)</b>	CSHC	Calif. Streets & Highways Code
COH	Coefficient Of Haze	CSI	Common Sense Initiative;
COGO	coordinate geometry	CSIP	Compliance Sampling Inspection
			Corridor Safety Improvement Program

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CSO	Combined Sewer Overflow	CYA	Cover Your Assets (not CT);
CSP	Corrugated Steel Pipe;		California Youth Authority
	Communication Service Provider (ITS)	CZMA	Coastal Zone Management Act
CSPA	Corrugated Steel Pipe Arch	CZARA	Coastal Zone Act Reauthorization Amendments
CSRC	California Special Reference Center (global positioning technologies)		
<b>CSS</b>	<b>Context Sensitive Solutions</b> (involving all stakeholders in the development of a project to ensure that a project fits its physical setting and preserves scenic, aesthetic, historic and environmental resources while maintaining safety and mobility.	<b>D</b>	
CSTI	California Specialized Training Institute	DAB	Digital Audio Broadcast (ITS)
CSUS	California State University, Stanislaus; Sac.	DAC	Disability Advisory Council
CSWC	Construction Storm Water Coordinator	DAF	Damage Assessment Form
<b>CT</b>	<b>Caltrans</b> Census Tract	DAMP	Drainage Analysis & Modeling Program
CTAA	Community Transportation Assoc. of America	DAR	Defense Access Roads
CTAP	Cooperative Training Assistance Program (Fed)	DARTS	Dynamic Arterial Responsive Traffic Signal System
CTB	Cement Treated Base	DAT	Diagnostic Acceptance Testing
CTC	California Transportation Commission; Nine appointed members	DAT.COM	Director's Advisory Team for Communication
CTE	Center For Transportation And The Environment	DBA	Doing Business As, Decibels, "A" Scale
CTO	Compensatory Time Off	<b>DBE</b>	<b>Disadvantaged Business Enterprise</b>
CTP	California Transportation Plan	DBELO	Disadvantaged Business Enterprise Liaison Officer
CTIFS	Calif. Transportation Infrastructure Funding System	DBMS	Data Base Management System
CTIPS	California Transportation Improvement Plan System. A computer database used by CT & MPOs to input & track Fed. Funded transportation projects. See LPAMS	D/C	Demand Capacity ratio
CTIS	California Transportation Investment Strategy	DCIU	Discrimination Complaint Investigation Unit
CTPB	Cement Treated Permeable Base	DCP	Dynamic Cone Penetrometer
CTR	California Toxics Rule	DCS	Data Collection System
C-TRIS	Calif. Transportation Research Info. System (UCB)	DCU	Discrimination Complaint Unit
CTS	Commuter Transportation Services	DD	District Director; Data Dictionary (ITS)
CTSA	Coordinated Service Transportation Agency	DDC	District Division Chief
CUF	Commercially Useful Function (DBE)	DDD	Deputy District Director
CV	Cost Variance	DDE	Data Dictionary Element (ITS)
CVAS	Commercial Vehicle Administration Subsystem (ITS)	DDT	DichloroDiphenylTrichloroethane
CVCS	Commercial Vehicle Check Subsystem (ITS)	DEB	District Environmental Branch
CVHAS	Cooperative Vehicle-Highway Automation Systems	<b>DED</b>	<b>Draft Environmental Document</b>
CVISN	Commercial Vehicle Info. Systems and Networks (ITS)	<b>DEIR</b>	<b>Draft Environmental Impact Report (CEQA)</b>
CVO	Commercial Vehicle Operations (ITS)	<b>DEIS</b>	<b>Draft Environmental Impact Statement</b>
CVS	Commercial Vehicle Subsystem (ITS)	<b>(NEPA)</b>	
CWA	Clean Water Act	DEN	Data Exchange Network (ITS)
CWD	Corridor Wide Display System (ITS)	DES	Division of Engineering Services
CWNS	Clean Water Needs Survey		Diethylstilbesterol
CY	Calendar Year	DF	Douglas Fir
		DFD	Data Flow Diagram (ITS)
		DfE	Design for the Environment
		DFEH	Department of Fair Employment and Housing (California)
		<b>DFG</b>	<b>Dept of Fish and Game (Cal)</b>
		DGAC	Dense Graded Asphalt Concrete
		DGAC(R)	Dense Graded Asphalt Concrete (Rubberized)

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DGPS	Differential Global Positioning System (ITS)	DSB	Donor State Bonus funds
DGS	Department of General Services	DSC	Division of Structure Construction
DHS	Department of Health Services	DSI	Detailed Site Investigation
DHHS	Department of Health and Human Services (Feds)	DSMP	District System Management Plan
DHV	Two way Design Hourly Volume	DSRC	Dedicated Short Range Communications (ITS)
DI	Drainage Inlet	DST	Daylight Savings Time
DIB	Design Information Bulletin	DSWC	District Storm Water Coordinator
DIB 82	Pedestrian Accessibility Guidelines for Highway Projects	DTA	Dynamic Traffic Assignment (ITS)
DIP	Diamond Interchange Program	DTAC	Departmental Transportation Advisory Committee
<b>DLAE</b>	<b>District Local Assistance Engineer</b>	DTBB	double thrie beam barrier
DLR	Detection Limit for Reporting (water qual.)	DTIM	Direct Travel Impact Model
DMBB	Double metal beam barrier	DTM	Digital Terrain Modeling
DME	District Materials Engineer	DTR	Director's Tracking Report (tracks consultant services contracts)
DMR	Discharge Monitoring Report	DVAC	District Value Analysis Coordinator
DMS	Dynamic Message Sign (ITS)	DVBE	Disadvantaged Veteran Business Enterprise
DMT	Division of Mass Transportation	DWEL	Drinking Water Equivalent Level
DMV	Department of Motor Vehicles	DWNS	Drinking Water Needs Survey
DNA	deoxyribonucleic acid	DWR	Dept. of Water Resources
DND	Draft Negative Declaration	DWS	Drinking Water Standard
DOA	Division of Aeronautics; Division of Accounting		
DOC	Department of Commerce (Feds)	<b>E</b>	
DOD	Department Of Defense		
DOE	Department Of Energy; District Office Engineer	EA	Expenditure Authorization; Endangerment Assessment; Enforcement Agreement; Environmental Action; <b>Environmental Assessment</b> ; Environmental Audit
DOF	Department of Finance	EAC	Estimate at Completion
DOJ	Department of Justice (Feds)	EAP	Employee Assistance Program; Environmental Action Plan
DOL	Department of Labor (Feds)	EAR	Employee Action Report
DLA	Division of Local Assistance (formerly OLP)	<b>EBL</b>	<b>Eligible Bridge List</b>
DOL FOH	Dept. of Labor Field Operations Handbook (Feds)	EC	Environmental Coordinator, End Horizontal Curve,           End Curve
DOS	Division of Structures; Disk Operating System	ECPA	Electronic Communications Privacy Act (ITS)
DOT	Dept. of Transportation	ECR	Engineering Cost Reporting system, End of Curb Return
DOTP	Division of Transportation Planning	<b>ED</b>	<b>Environmental Document</b>
DPA	Dept. of Personnel Administration	EDA	Employee Development Appraisal Environmental Document Approved
DPI	Dots per Inch	EDAPTS	Efficient Development of Advanced Public Transportation Systems
DPR	Department of Parks and Recreation (The Office of Historic Preservation which administers Section 106 of the Historic Preservation Act is part of State Parks and Recreation. Hence, the DPR forms for Section 106.)	EDI	Electronic Data Interchange (ITS)
DRB	Dispute Review Board		
DRI	Division of Research & Innovation		
DRIM	Draft Relocation Impact Memo		
DRIS	Draft Relocation Impact Study/Statement		
DROA	departmental restriction of appointments		
DSA	Division of the State Architect, Disturbed Soil Area		

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EDM	Electronic Distance Measuring		Environmentally Sensitive Area
EDP	Electronic Data Processing; Early Deployment Plan (ITS)	ESAL	Equivalent Single Axle Load, 80 kN
EDW	effluent-dominated water	ESC	Engineering Services Center
EEG	electroencephalogram	ESMR	Enhanced Specialized Mobile Radio (ITS)
<b>EEM</b>	<b>Environmental Enhancement &amp; Mitigation program (State)</b>	ESP	Enhanced Services Program
<b>EEO</b>	<b>Equal Employment Opportunity</b>	ESR	End of Slope Rounding
EEOC	Equal Employment Opportunity Commission	ESU	Evolutionary Significant Unit (fall, winter & spring runs of salmon)
EEZ	Exclusive Economic Zone, 200 miles beyond coast, Magnusen-Stevens Act	ET	Earliest Time of Completion
EF	Early Finish	ETC	Estimate to Complete, Electronic Toll Collection (ITS)
EFH	Essential Fish Habitat	ETBE	Ethyl Tertiary Butyl Ether
EFT	Electronic Fund Transfer	ETS	Emergency Telephone Services (ITS)
<b>EIR</b>	<b>Environmental Impact Report (CEQA)</b>	ETTM	Electronic Toll Collection and Traffic Management
<b>EIS</b>	<b>Environmental Impact Statement (NEPA)</b>	ETW	Edge of Traveled Way
EIT	Engineer-in-Training	EV	Earned Value
EJ	Environmental Justice	EVC	End Vertical Curve
EKG	electrocardiogram	EWRI	Environmental & Water Resources Institute (of ASCE)
ELI	Element Level Inspection (bridges)	EXPEAR	Expert System Pavement Evaluation and Rehabilitation
EMC	Event Mean Concentration (Storm Runoff); Emergency Management Center (ITS)	<b>E-76</b>	<b>Authorization to Proceed Summary Form</b>
EMMS	Emissions Management Subsystem (ITS)	<b>F</b>	
EMS	Extinguishable Message Signs Equipment Management Systems	FAA	Federal Aviation Administration
EO	Equal Opportunity, Executive Order	FACTS	Flexible Advanced Computer Traffic Signal System
EOC	Emergency Operations Center	<b>FADS</b>	<b>Federal Aid Data System: System which DLAEs &amp; HQ enter project information and which links CT to FHWA's FMIS system. Does not link to LP2000.</b>
EOG	Education And Outreach Group	<b>FAE</b>	<b>Federal-Aid Eligibility Code:</b> This single-digit code is a prefix used with the three-digit Agency Object Code to form the Caltrans four-digit Object (FAE 6, 7, or 8) and Activity (FAE 1 or 2) Codes. The FAE denotes whether or not the Object/Activity Code is eligible for federal reimbursement. FAE 1 or 6 denotes eligibility for federal reimbursement, FAE 2 or 7 denotes non- eligibility for reimbursement, and FAE 8 denotes undetermined eligibility.
EOS	Equivalent Opening Size (Geotextile-Fabric); Edge of Shoulder	FAHP	Federal Aid Highway Program
<b>E&amp;P</b>	<b>Environmental &amp; Permit</b>	FAI	Federal Aid Interstate
EPA	Environmental Protection Agency	FAP	Federal Aid Primary
EPCRA	Emergency Planning and Community Right-to-Know Act	FAPG	Federal Aid Policy Guide
EPI	Economic Policy Institute	FAQ	Frequently Asked Questions
EPL	Excluded Partial List (DBE)	FAR	Federal Acquisition Regulations
EPM	Ending Post Mile		
EPROM	Erasable Programmable Read-Only Memory		
ER	Emergency Relief (Fed)		
ERC	Emergency Resource Center		
ERISA	Employee Retirement Income Security		
ERNS	Emergency Response Notification System		
ERPP	Ecosystem Restoration Program Plan (CALFED)		
ES	Early Start		
ESA	Endangered Species Act;		

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FARA	Federal Acquisition Reform Act	FLHP	Federal Lands Highway Program
FARES	First American Real Estate Solutions		Floodplain Risk and Location Hydraulic Study:
FARS	Fatal Accident Reporting System (ITS)		Analyzes the potential for impacts that a project
FAS	Federal Aid Secondary Funding		may have on increasing risk of flooding.
FAU	Federal Aide Urban funding	FLSA	Fair Labor Standards Act
F&C	Frame & Cover	FM	Function Manager
F&G	Frame & Grate	FMC	Freeway Management Center (ITS)
FCAA	Federal Clean Air Act of 1990	FMCS	Fleet Management and Control Systems
FCWA	Federal Clean Water Act	FMCSA	Federal Motor Carrier Safety Administration
FCR	Flexible Congestion Relief program (State, discontinued)	FMIS	Federal Management Information System
FDR	Full Depth Reclamation (of pavement)	FMLA	Family and Medical Leave Act of 1993
FE	Fund Estimate; Fugitive Emissions	FMMP	Farmland Mapping and Monitoring Program
FEBBS	Federal Electronic Bulletin Board System	FMP	Fishery Management Plan; File Maker Pro
FED	Final Environmental Document (EIS, ND or FONSI)	FMS	Fleet Management Subsystem (ITS)
FEHA	Fair Employment and Housing Act (Calif.)	FMU	Forest Management Unit
FEIN	Federal Employer Identification Number	FMVSS	Federal Motor Vehicle Safety Standards
FEIR	Final Environmental Impact Report (CEQA)	FNMA	Federal National Mortgage Association ("Fannie Mae")
FEIS	Final Environmental Impact Statement (NEPA)	FNM-76	Form to FMIS, auth. to proceed
FEMA	Federal Emergency Management Agency	FO	Functionally Obsolete (bridge)
FERC	Federal Energy Regulatory Commission	<b>FOE</b>	<b>Finding of Effect</b> ; Friends Of the Earth
FES	Flared end section	FOI	Freedom of Information
FESA	Federal Endangered Species Act	FOIA	Freedom Of Information Act
FF	Free Float / Finish to Finish	<b>FONSI</b>	<b>Finding of No Significant Impact</b> (NEPA)
FFA	Future Farmers of America	FOT	Field Operational Test (ITS)
FFGA	Full Funding Grant Agreements	FPA	Fair Practices Act (subletting and subcontracting)
FFP	Firm Fixed Price	FPIF	Fixed-Price-Incentive-Fee
FFS	Fee For Service health plan	FPN	Federal Project Number (FADS)
<b>FFY</b>	<b>Federal Fiscal Year (October 1 thru September 30)</b>	FPPA	Farmland Protection Policy Act (US – 1984)
FHLMC	Federal Home Loan Mortgage Corporation (Freddie Mac)	FPPP	Facility Pollution Prevention Plans
FHPM	Federal Aid Highway Program Manual	FPR	Final Program Review
FHWA	Federal Highway Administration; administers Federal highway funds	FR	Federal Register
FICA	Federal Insurance Contributions Act	FRA	Federal Railroad Administration
FIF	Final Inspection Form	FRIS	Final Relocation Assistance Statement
FIP	Federal Implementation Plan	FRM	Federal Reference Method, Final Rule Making
FIPS	Federal Information Processing Standard (ITS)	FRO	Federal Resources Office
FIR	Federal Indian Reservation	FRP	fiber reinforced polymer, used in concrete
FIRM	Federal Insurance Rate Maps (Flood Plains)	F-SHRP	Future Strategic Highway Research Program
F/L	Finance Letter	FSOR	Final Statement of Reasons
FLEP	Forest Land Enhancement Program (U.S. Forest Service)	FS	Finish-to-Start
FLHD	Federal Land Highway Division	FSA	Flexible Spending Account health plan
		FSHCC	Fast Setting Hydraulic Cement Concrete
		FSP	Freeway Service Patrol
		FSR	Feasibility Study Report;
			Financial Study Report

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<b>FSTIP</b>	<b>Federal Statewide Transportation Improvement Program.</b> Prepared by CT per ISTEA, includes all highway and transit projects funded under Title 23 and Federal Transit Act. It is the global funding document incorp. Programming for MPO TIPs, State STIP, SHOPP and local rural Federal aid work.	<b>GIS</b>	<b>Geographic Information Systems</b>
FTA	Federal Transit Administration; administers Federal transit funds, alloc. dir to local agencies. Urban Mass Transportation Act of 1964	GNMA	Government National Mortgage Association (“Ginnie Mae”)
FTB	Franchise Tax Board	GOGO	Government-Owned/ Government-Operated
FTE	Focused Training Evaluation Full-time Employee	<b>GPS</b>	<b>Global Positioning System</b>
<b>FTIP</b>	<b>Federal Transportation Improvement Program;</b> 3-year list of transportation projects proposed within the planning area of an MPO. Short range version of RTP. Projects are drawn from the STIP and SHOPP.	GRAS	Generally Recognized as Safe
FTP	File Transfer Protocol, Federal Test Procedures	GR	Guard Rail
FU	Functional Unit	GRH	Guaranteed Ride Home
FVMSS	Federal Motor Vehicle Safety Standards	GSA	General Services Admin.
FWD	Falling Weight Deflectometer	GUI	Graphical User Interface
FWPCA	Federal Water Pollution Control Act	GVW	Gross Vehicle Weight
<b>FWS</b>	<b>Fish &amp; Wildlife Service (US)</b>	GVWR	Gross Vehicle Weight Rating
FY	Fiscal Year		
<b>G</b>		<b>H</b>	
GAAP	Generally Accepted Accounting Principles	HA	Health Advisory
GAO	General Accounting Office	H&T	Hub and Tack
GAR	Governor’s Action Request	HABR	Historic American Building Record
GARVEE	Grant Anticipation Revenue Vehicle bonds	HABS	Historic American Buildings Survey
GASB 34	Governmental Accounting Standards Board statement 34 (calls for state and local transportation agencies to include the costs of infrastructure assets in their financial statements)	HAER	Historic American Engineering Record
GATS	General Agreement on Trade in Services	HAP	Hazardous Air Pollutant
GDP	Gross Domestic Product	HAPPS	Hazardous Air Pollution Prioritization System
GE	Gravel equivalent	HAR	Highway Advisory Radio
GEP	Good Engineering Practice	<b>HASR</b>	<b>Historic Architecture Survey Report;</b> Evaluation of historic structures in the project study area
GERT	Graphical Evaluation and Review Technique	HAZMAT	Hazardous Materials
Gf	Gravel Factor	HAZOPS	Hazardous Operations
GFE	Good Faith Effort	HB&M	Humbolt Base and Meridian
GHSA	Governors Highway Safety Association	HBO	Health Benefits Office
GHSR	Governor’s Highway Safety Representative	<b>HBRR</b>	<b>Highway Bridge Rehab. &amp; Replacement</b> (Fed program)
		HCM	Highway Capacity Manual (Transportation Research Bd. )
		HCP	Habitat Conservation Plan
		HCS	Hazard Communication Standard
		HDD	Horizontal Directional Drilling
		HDM	Caltrans Highway Design Manual
		HDPE	High Density Polyethylene
		HEDTL	Harmer E Davis Transportation Library
		HEEP	Health and Environmental Effects Profile
		HEPA	Highly Efficient Particulate Air (Filter)
		HERS-ST	Highway Economic Requirements System-State Version software (for planning and scheduling highway work and determining future highway system needs.)
		<b>HES</b>	<b>Hazard Elimination Safety</b> program (Fed)

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IRVM	Integrated Roadside Vegetation Management	JUA	?
IRWA	International Right of Way Association	<b>K</b>	
IS	Information Services, Initial Study		
<b>ISA</b>	<b>Initial Site Assessment;</b> Evaluates potential for encountering hazardous materials in the project study area.	KBES	Knowledge Based Expert System (Symbolic reasoning & Heuristics)
ISC	Indirect Source Control	KISS	Keep It Simple, Stupid (not CT)
ISEA	International Safety Equipment Assoc.	KSA	Knowledge, Skills and Abilities
ISO	International Standards Organization <a href="http://www.iso.ch/iso/en/ISOOnline.frontpage">http://www.iso.ch/iso/en/ISOOnline.frontpage</a>	<b>L</b>	
ISP	Information Service Provider	LA	Local Agency
ISSC	Information Systems Service Center	LAAPS	Local Agency Automated Pay System
ISTEA	Intermodal Surface Transportation Efficiency Act	LACMTA	Los Angeles County Metropolitan Transportation Authority
IT	Information Technology	LACTC	Los Angeles County Transportation Commission
ITA	Intertribal Transportation Association	LAFCO	Local Agency Formation Commission
ITE	Institute of Transportation Engineers	LAMBRA	Local Agency Military Base Recovery Area
ITS	Intelligent Transportation Systems	LAN	Local Area Network
ITS America	Intelligent Transportation Society of America <a href="http://www.itsa.org/">http://www.itsa.org/</a>	LAP	Local Assistance Program
ITSP	Interregional Transportation Strategic Plan	<b>LAPG</b>	<b>Local Assistance Program Guidelines</b>
ITI	Intelligent Transportation Infrastructure	<b>LAPM</b>	<b>Local Assistance Procedures Manual</b>
ITII	International Technical Information Institute	LARTS	Los Angeles Regional Transportation Study
ITIP	Interregional Transportation Improvement Program; Portion of STIP that includes Caltrans selected projects (25% of fund)	LASC	Landscape Architecture Standards Committee
ITMS	Integrated Traffic Management System; or Intermodal Transportation Management System	LCA	Least Cost Alternate
<b>ITS</b>	<b>Intelligent Transportation Systems;</b> Institute of Transportation Studies (UC Berkeley)	LCB	Lean Concrete Base
ITSP	Interregional Transportation Strategic Plan	LCC	Local Coastal Commission, League of California Cities, Life Cycle Cost
IUOE	International Union of Operating Engineers	LCCA	Life Cycle Cost Analysis
IVHS	Intelligent Vehicle-Highway Systems (now ITS)	LCD	Liquid Crystal Display (Power Point Projector)
IVI	Intelligent Vehicle Initiative	LCO	Labor Compliance Officer Local Capital Outlay projects
IVIS	In Vehicle Information System (ITS)	LCP	Local Coastal Plan
<b>J</b>		LCS	Lane Control Sign
		LDAP	Lightweight Directory Access Protocol
JB	Junction Box	LDPE	Low Density Polyethylene
JCL	Job Control Language	LDS	Labor Distribution System
JCP	Jointed Concrete Pavement	LEAD	Local Equivalent Area Drainage method
JP	joint pole	LED	Light Emitting Diode
JPA	Joint Powers Agreement	LEDPA	Least Environmentally Damaging Practicable Alternative
JPCP	Jointed Plain Concrete Pavement	LEL	Lowest Explosive Level
JRCP	Jointed Reinforced Concrete	LEM	Location Efficient Mortgage (see TOD)
JS	junction structure	LEO	Low-Earth Orbit Satellite System
		LEP	Limited English Proficiency
		LESS	Least Cost Estimating & Scheduling System
		LF	Late Finish; Linear Foot

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LIBOR	London InterBank Offered Rate
LIM	Land Inventory and Monitoring system (SCS)
LIP	Local Intersection Program
LJAC	Local Jurisdiction Advisory Committee
LLP	Limited Liability Partnership
LOC	Local
LOE	Level of Effort
LOL	Layout Line
LOP	Letter of Permission
<b>LOS</b>	<b>Level of Service</b> (A=freeflow, F=gridlock)
LPA	Local Programs Accounting
<b>LPAMS</b>	<b>Local Programs Accounting Management System: provides appropriation management and tracks expenditures for local assistance projects. Extracts data from CTIPS allowing LP2000 to process allocations.</b>
LPG	Liquid Petroleum Gas
<b>LPP</b>	<b>Local Programs Procedures</b>
LPP#	Local Programs Procedure #
LRDC	Labor Relations Decision Council
LRFD	Load & Resistant Factor Design
LRH	Last Resort Housing
LRMS	Location Reference Messaging Standard (ITS)
LROP	Long Range Operations Plan
LRT	Light Rail Transit
LS	Lump sum, Late Start, Land Surveyor
LSSRP	Local Seismic Safety Retrofit Program
LSTP	Local Surface Transportation Plan
LSUM	Linear Synchronous Unipolar Motor
LT	Limited Term
L&T	Lead and Tack (surveying)
LTA	Local Transportation Authority
LTAP	Local Technical Assistance Program
LTC	Local Transportation Commission
LTEC	Least Total Expected Cost to the public design
LTF	Local Transportation Fund; receives TDA revenues = 0.25% sales tax for transit, bike & pedestrian
LTMA	Lightweight Truck Mounted Attenuator
LTTP	Long-Term Pavement Performance
LTS	Lime Treated sub-Base
LUICE	Land use Inventory Contingency and Edit
LUST	Leaking Underground Storage Tank
LVDT	Linear Variable Differential Transformers
LVR	Low Volume Road

## M

MA	Master Agreement; Minimum Allocation funds: Minor Arterial
MACT	Maximum Achievable Control Technology
MADT	Monthly average daily
MAGLEV	Magnetic Levitation Transportation Technology Deployment Programs
MAIT	Multidisciplinary Accident Investigation Team
MAN	Metropolitan Area Network (ITS)
MAP	Million Annual Passengers, Multiple Alternative Planning
MAR	Material Adjustment Report
MATES	Materials and Technology Engineering and Science
MB	Metal Beam, Megabytes
MBB	Metal Beam Barrier
MBE	Minority Business Enterprise
MBGR	Median Barrier Guard Rail
MBO	Management by Objectives
MC	Medium curing
MCAG	Merced County Assoc. of Governments
MCD	Minor Civil Division
MCE	Maximum Credible Earthquake
MCEDC	Merced City Economic Development Corp.
MCFC	Molten Carbonate Fuel Cell
MCL	Maximum Contaminant Level
MCLG	maximum contaminant level goal (water qual)
MCM	Minimum Control Measures (water qual)
MCP	Municipal Compliance Plan
MCSAP	Motor Carrier Safety Assistance Program
MDB&M	Mt. Diablo Base and Meridian (surveying)
MDI	Model Deployment Initiative (ITS)
MEA	Master Environmental Assessment
MEP	Minority Engineering Programs, Maximum Extent Practicable (water qual)
MERS	Maintenance Employees' Reporting System
MESO	Maintenance Employee Safety Orientation
META	Maintenance Equipment Training Academy
METS	Materials Engineering and Testing Services
MG	Minimum Guarantee funds
MID	Modesto Irrigation District
MIME	Multipurpose Internet Mail Extension
	Minor Project- Less than \$750,000, not STIP or SHOPP. In California, minor capital outlay consists of construction projects or equipment acquired to complete a construction project estimated to cost less than \$750,000. The California Transportation Commission allocates a fiscal year level for this category with

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specific project allocation approval delegated to the Department. Minor is further segregated into two categories: Minor A - Minor construction projects with an estimated contract value between \$117K - \$750K. Minor B - Minor construction projects with an estimated value less than \$117,000.

MIS	Management Information Systems, Major Investment Study
MITMT	Major Incident Traffic Management Team
MJC	Major Collector (Rural); Modesto Junior College
MLRA	Major Land Resources Area
MMANC	Municipal Management Association of Northern California
MMI	Man-Machine Interface (ITS)
MMSI	Maintenance Management System Improvement
MNC	Minor Collector (Rural)
MOA	Memorandum of Agreement
MODEM	Modulator/Demodulator (Convert binary to analog signal for phone)
MOE	Measure of Effectiveness
MOS	Metal-Oxide Semiconductor, margin of safety
MOST	Methodology for Optimizing Signal Timing
MOU	Memorandum of understanding
MPGR	Metal Plate Guard Railing
<b>MPO</b>	<b>Metropolitan Planning Organization</b>
MPU	Microprocessing Unit
MSA	Merit Salary Adjustment Metropolitan Statistical Area Management System Activities, a two digit code for levels 5,6 or 7 in WBS, also on TRS Medical Savings Account health plan Maintenance Superintendents Association
MS-DOS	MicroSoft-Disk Operating System
MSDS	Manufacturers Safety Data Sheet
MSE	Mechanically Stabilized Earth Retaining
MS4	Municipal Separate Storm Sewer System
MSL	Maintenance Service Level, Mean Sea Level
MSW	Municipal Solid Waste
MT	Mass Transit
MTA	Mass Transit Account
MTC	Metropolitan Transportation Commission (Bay Area)
MTD	Memo-To-Designers
MTDB	Metropolitan Transit Development Board (San Diego)
MTMC	Military Traffic Management Command
MTP	Mass Transportation Program, Metropolitan Transportation Plan

## MUTCD

MVMA

MWBE

## N

NA

NAA

NAAQS

NACE

NACG

NAC

NAD

NAE

NAER

NAFTA

NAGPRA

NAHC

NAHSC

NAICS

NALEO

NAMS

NAP

NAPA

NAPCA

NAR

NARD

NARSTO

NAS

NASA

NASR

NASS

NATTTC

NAV

NAWCA

NB

## Manual of Uniform Traffic Control Devices

Motor Vehicle Manufacturers Association

Minority Women-owned Business Enterprise

National Architecture (ITS)

Non-attainment Area

National Ambient Air Quality Standards

National Association of Corrosion Engineers,

National Association of County Engineers

National Association of County Governments

National Association of Counties

North American Datum (surveying)

no adverse effect,

National Academy of Engineering

National Architectural and Engineering Record

North American Free Trade Agreement

Native American Graves Protection &

Repatriation Act of 1990

Native American Heritage Commission

National Automated Highway System Consortium

North American Industrial Classification System

National Association of Latino Elected and

Appointed Officials

National Air Monitoring Stations

Non-attainment Area Plan

National Academy for Public Assistance, National

Asphalt Paving Association, National Automobile

Parts Association

National Air Pollution Control Administration

National Architecture Review (ITS)

Numerical Analysis of Roadside Design

North American Research Strategy for

Tropospheric Ozone

National Academy of Sciences

National Aeronautics and Space Administration

Negative Archeological Survey Report

National Accident Sampling System

National Association of Transportation

Technology Transfer Centers

Navigation

North American Wetlands Conservation Act

Northbound

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NBI	National Bridge Inventory, bridge data supplied by states for the NBIS (see also BMS)	NHS	National Highway System
NBIS	National Bridge Inspection Standards, are minimum requirements for inspection standards	NHSB	National Highway Safety Bureau
	National Bridge Inventory System	NHTSA	National Highway Traffic Safety Administration
NBS	National Bureau of Standards	NIA	National ITS Architecture
NBSSR	Noise Barrier Scope Study (or Summary) Report for sound wall projects	NICET	National Institute for Certification in Engineering Technologies
NCAC	National Crash Analysis Center	NIH	National Institutes of Health
NCAPA	Northern California Asphalt Producers Assoc.	NII	National Information Infrastructure (ITS)
NCAT	National Center for Asphalt Technology	NIMBY	Not In My Back Yard
NCCER	National Council for Civil Engineering Research	NIOSH	National Institute for Occupational Safety and Health
NCEER	National Center for Earthquake Engineering Research	NIPC	National Infrastructure Protection Center (FBI)
NCHRP	National Cooperative Highway Research Program	NIST	National Institute of Standards and Technology
NCPP	National Center for Pavement Preservation	NLAA	Not Likely to Adversely Effect
NCSL	National Conference of State Legislatures	NLT COB	No Later Than Close Of Business
ND	Negative Declaration, None Detected (water qual)	NMCSP	National Motor Carrier Safety Program
NDAA	Natural Disaster Assistance Act	NMFS	National Marine Fisheries Service
NDI	Non-Industrial Disability Insurance	NMSL	National Maximum Speed Limit
NDSP	National Dam Safety Program	NO	Nitric Oxide
NDT	Non-Destructive Testing	NOA	Naturally Occurring Asbestos; Notice of Arrival
NE	no effect	NOAA	National Oceanic and Atmospheric Administration
NEAR	National Emergency Aid Radio	NOAEL	no-observed-adverse-effect level
NEDS	National Emissions Data System	NOEL	No Observable Effect Level
NEEP	National Experimental and Evaluation Program	NOC	Notice of Construction
NEHRP	National Earthquake Hazards Reduction Program	NOCC	Notice of Construction Completion
NEIS	National Environmental Information Service	NOD	Notice of Determination
NEMA	National Electrical Manufacturers Association	NOI	Notice of Intent
<b>NEPA</b>	<b>National Environmental Policy Act</b> (1969)- all Fed. funded projects require Fed. review	NOL	(NEPA process, notice placed in Federal Register advising public that EIS will be prepared for a project)
<b>NES/BA</b>	<b>Natural Environmental Survey / Biological Assessment</b> ; Evaluation of native species and habitat found in project study area.	NOP	Naval Ordnance Laboratory
NESHAP	National Emission Standards for Hazardous Air Pollutants	NOPR	Notice of Preparation
NET	National Emissions Trends Inventory	NOS	(CEQA – notice that EIS will be prepared)
NFIP	National Flood Insurance Program	n.o.s.	Notice Of Proposed Rulemaking
NFPA	National Fire Prevention Association	NOT	National Oceanic Survey
NGS	National Geodetic Survey	N2O	not otherwise specified
NGVD	National Geodetic Vertical Datum	NOx	Notice of Termination
NHI	National Highway Institute	NORM	Nitrous Oxide
NHPA	National Historic Preservation Act, Federal, 1966, esp. section 106. See also State Public Resources Code Sections 5024 and 5024.5	<b>NPDES System</b>	Nitrogen Oxides
NHPN	National Highway Planning Network	NPHQ	Naturally Occurring Radioactive Material
		NPRM	<b>National Pollutant Discharge Elimination System</b>
		NPS	(revised, thanks to Mary MacGillivray, District 7 Office of Project Studies)
			National Partnership for Highway Quality
			Notice of Proposed Rule Making
			National Park Service

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	Non-point Source		Office of Energy Assessments,
NRC	National Research Council		Office of Environmental Analysis
NRCS	Natural Resources Conservation Service, formerly SCS	OECA	Office of Enforcement and Compliance Assurance (U.S. EPA)
NRCP	Non Reinforced Concrete Pipe	OEM	Original Equipment Manufacturer
NRDC	Natural Resources Defense Council	OES	Office of Emergency Services
NRHP	National Register of Historic Places	OFCCP	Office of Federal Contract Compliance Programs
NRI	National Resources Inventory	OGAC	Open Graded Asphalt Concrete
NRVMA	National Roadside Vegetative Management Association	OGAC(R)	Open Graded Asphalt Concrete (Rubberized)
NS	Non-Regulatory Supplement	OH	Overhead
NSF	National Science Foundation	OHP	Office of Historic Preservation (Cal.)
NSIS	National Safety Information Systems	OHWM	Ordinary High Water Mark
NSPE	National Society of Professional Engineers	OIG	Office of the Inspector General
NTCIP	National Transportation Communications for ITS Protocol	OIP	Order of Immediate Possession
NTI	National Transit Institute	OJTS/SS	On the Job Training/Supportive Services
	National Toxics Inventory	OLP	Office of Local Programs, @ HQ; admin of Fed. Aid & Local Assist. Now DOLA
NTIS	National Technical Information Service	OJT	On-the-job training
NTN	National Truck Network	OMB	Office of Management and Budget
NTP	Notice To Proceed, National Transportation Policy, National Toxicology Program	OPA	Other Principal Arterial
		OPEC	Organization of Petroleum Exporting Countries
NTPAW	National Transportation Public Affairs Workshop	OPO	Office of Personnel Operations
NTR	New Technology and Research	OPPD	Office of Project Planning and Design
NTSB	National Transportation Safety Board	OPPTS	Office of Prevention, Pesticides, and Toxic Substances (U.S. EPA)
NTU	Nephelometric Turbidity Units	OPR	Office of Planning and Research (governor's)
NURP	Nationwide Urban Runoff Program	ORC	Organizational Review Committee
NWI	National Wetland Inventory	ORCP	Oval Reinforced Concrete Pipe
NWP	Nation Wide Permit (Section 404)	OREA	Office of Real Estate Appraisers
		OSC	Office of Structure Construction
<b>O</b>		OSHA	Occupational Safety and Health Administration (U.S.)
		OSI	Open Systems Interconnection (ITS)
OA	Obligation Authority (Federal, \$/year)	OSM&I	Office of Structures and Maintenance Inspection
OAQPS	Office of Air Quality Planning and Standards, U.S. EPA	O <sub>3</sub>	Ozone
OBM	Office of Business Management	OST	Office of the Secretary of Transportation; Out of State Travel
OBS	Organization Breakdown Structure	OT	Overtime
OBRA90	Omnibus Budget Reconciliation Act of 1990	OTI	Office of Traffic Improvement
OC	Over-crossing	OTP	Operational Test Plan (ITS)
OCP	Office of Community Planning	OTS	Office of Traffic Safety
OCTA	Orange County Transportation Authority	OWM	Office of Wastewater Management (EPA)
O&D survey	Origin and Destination	OWP	Overall Work Plan or Program
O&M	Operation and Maintenance		
OE	Office Engineer, Operating Expense		
OEA	Office of External Audits,		

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## P

P2	Pollution Prevention	PCI	Paint Condition Index;
P3	Primavera Project Planner (software)	PCI/L	Precast/Prestressed Concrete Institute
P4	Pollution Prevention Permitting Project	PCP	Pico Curies per Liter (water qual., radioactivity)
P&P	Policy and Procedure Directive	PCS	Primary Care Physician
P&R	Park-and-Ride	PCSD	Personal Communications System
PABS	Programming and Budgeting System	PCR	President's Council on Sustainable Development
PAC	Policy Advisory Committee	PCS	Project Change Request
PACT	Program Accountability in Caltrans	PCVC	Project Control Survey;
PADP	Ports Access Demonstration Project	PD	Permit Compliance System
<b>PA&amp;ED</b>	<b>Project Approval &amp; Environmental Document</b>	PDA	Point of compound vertical curve
PAI	Principal Arterial – Interstate	PDF	Project Development
PAMS	Photochemical Assessment Monitoring Stations	PDH	Personal Digital Assistant
<b>PA/SI</b>	<b>Preliminary Assessment / Site Investigation</b>	PDM	Portable Document Format – Adobe Acrobat stuff
PAP	Perforated aluminum pipe	PDO	Professional Development Hour
PAQSD	Primary Air Quality Standards	PDPM	Probabilistic Dilution Model ;
PAR	Personnel Action Request, Project Authorization Request, Project Approval Report	PDRC	Precedence Diagramming Method
PARF	Position Action Request Form	PDS	Property Damage Only
PASSER II	Progression Analysis and Signal System Evaluation Routine	PDT	Project Development Procedures Manual
PATH	Partners for Advanced Transportation and Highways	<b>PE</b>	<b>Preliminary Engineering,</b> Polyethylene, Professional Engineer, Project Engineer
PAYT	Pay As You Throw	PEAR	Preliminary Environmental Assessment Report
PB	Paint binder; Pull Box	<b>PECG</b>	<b>Professional Engineers in California</b>
Pb	Lead	<b>Government</b>	
PBA	Performance Based Asphalt	PEDP	Professional Engineer Development Program
PBDEs	polybrominated diphenyl ethers (see BFRs)	PEER	Permit Engineering Evaluation Report
PBMS	Performance Based Measurements Systems	PeMS	Performance Measurement System
PBO	Programmatic Biological Opinion	PERMIS	Personnel Employee Records for the Management Information System
PBX	Private Branch Exchange	<b>Permit 106</b>	<b>Review process for the National Historic Preservation Act</b>
PC	Program Coordinator; Prime Coat; Party Chief; Personal Computer	Permit 1601	A streambed alteration agreement for U.S. Department of Fish & Game
PCA	Portland Cement Association	<b>Permit 4(f)</b>	<b>Use of parkland Permit</b>
PCBs	Polychlorinated Biphenyls	<b>404 Permit</b>	<b>issued by the U.S. Army Corps of Engineers</b>
PCC	Point of compound curvature; Portland Cement Concrete	Permit 7	Pertains to the Endangered Species Act
PCCP	Portland Cement Concrete Pavement, Pre-stressed Concrete Cylinder Pipe	PERS	Public Employees Retirement System
<b>PCE</b>	<b>Programmatic Categorical Exclusion (NEPA),</b> Perchloroethylene	PERT	Project Evaluation and Review Technique
PCEPH	Passenger Car Equivalents Per Hour	<b>PES</b>	<b>Preliminary Environmental Study</b>
		PET	Project Estimating Tool
		PF	Planned Finish Date, Pay Factor
		PFCs	Perfluorinated Carbons

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PFT	Permanent Full Time	PO	Purchase Order
PG&E	Pacific Gas and Electric	POC	Pedestrian Over-Crossing;
PHG	Public Health Goal (water qual) set by CEPA		Point on (horizontal) curve
PHS	U.S. Public Health Service	POE	Port of Entry
PI	Permanent Intermittent	POGO	Privately-Owned/ Government-Operated
PIA	Project ITS Architecture	POM	
PIAS	Personal Information Access Subsystem (ITS)	PONTIS	AASHTO supported bridge management program
PKm	Post Kilometer	POP	Post Office Protocol
<b>PLH</b>	<b>Public Land Highway</b> (Fed program)	POS	Point Of Service health plan
PI	Permanent Intermittent (Civil Service Appointment), preliminary investigation, Point of Intersection	POT	Point on tangent
PIB	Personnel Information Bulletin	POVC	Point on vertical curve
PIC	Private Industry Council	P&P	Policy & Procedure
<b>PID</b>	<b>Project Initiation Document</b>	ppb	Parts Per Billion
PIER	Post-Implementation Evaluation Report	PPC	Plastic Pipe Culvert
PIMS	Personnel Information Management System	PPDG	Project Planning and Design Guide
PIN	Personal Identification Number, Priority Index Number (for barrier rail replacement projects)	PPE	personal protective equipment
PIO	Public Information Officer	PPIC	Public Policy Institute of California
PIP	Payroll Input Process, Project Initiation Proposal	PPM	Planning, Programming & Monitoring, Policy and Procedures Memorandum
PISA	Project Information System & Analysis, or Administration	ppm	Parts Per Million
PK	Parker-Kalan Nail	<b>PPNO</b>	<b>Planning and Programming Number</b>
P/L	Property line	PPO	Preferred Provider Organization
<b>PLA</b>	<b>Project Labor Agreement</b>	PPT	Permanent-Part Time (Employee)
PLP	Personal Leave Program	ppt	part per trillion
PLUM	Projected Land Use Model	PQS	Professionally Qualified Staff
PM	Project Manager; Post Mile; Preventive Maintenance; Particulate Matter	PR	Project Report
<b>PMBOK</b>	<b>Project Management Body of Knowledge</b>	PRC	Point of Reversing Curve
PMCS	Project Management Control System	<b>Prop 116</b>	<b>State bicycle program</b>
PMDW	Project Management Data Warehouse	PRF	Pavement Reinforcing Fabric
PMI	Project Management Institute	PRISM	Performance and Registration Information System Management (not PRSM)
PMP	Perforated Metal Pipe; Project Management Professional	<b>PR2/2A</b>	<b>Fed/State supplemental agreement and modification to agreement</b> (being phased out)
PMPM	Project Management Procedures Manual	PRS	Performance Related Specifications
PMR	Position Management Report	PRSM	Project Resources and Schedule Management (not PRISM)
<b>PMS</b>	<b>Pavement Management System;</b> Parking Management System (ITS)	PRVC	point of reverse vertical curve
PMSU	Project Management Support Unit	PS	Planned Start Date
<b>PM-10</b>	<b>Particulate Matter 10 microns or smaller</b>	<b>PSA</b>	<b>Program Supplemental Agreement;</b> Precursor System Architecture (ITS)
PN	Paving Notch	PSCS	Project Schedule and Control System
		PSDP	Planning Staff Development Program
		<b>PS&amp;E</b>	<b>Plans, Specs and Estimate</b>
		PSI	Preliminary Site Investigation;
			pounds per square inch

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# Transportation-Related and Other Acronyms in Common Usage

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RMP	Regional Mobility Plan	SAPA	State Asphalt Paving Associations
RNA	Ribonucleic Acid	SAVE	Society of American Value Engineers
<b>ROD</b>	<b>Record of Decision</b>	SB	Senate Bill
ROE	Report of Expenditures	SBB&M	San Bernardino Base and Meridian (surveying)
ROG	Reactive Organic Gases	<b>SB45</b>	<b>1997; State increased authority of RTPA's, etc.</b>
RRC	Rural Residential Center		Est. current STIP process; timely use
RRR	Resurfacing (overlay), Restoration (to original condition), Rehabilitation (upgrade guardrail, widen shoulders, etc.)	SBS	Sick Building Syndrome
R/S	Resource / Schedule	SC	Slow Curing; Start Construction
RSP	Roadway Safety Program (ATSSA)	SCADA	Supervisory Control and Data Acquisitions
RSPA	Research and Special Programs Admin.	SCAG	Southern California Association of Governments
<b>RSTP</b>	<b>Regional Surface Transportation Program</b>	SCANDI	Surveillance Control and Driver Information System
RTIF	Regional Transportation Impact Fee	SCBT	segmental concrete bridge technology
<b>RTIP</b>	<b>Regional Transportation Improvement Program, 75% of STIP funds. List of projects submitted to CTC by RTPAs for seven year horizon, updated every two years.</b>	SCC	self-consolidating concrete (use of plasticizers)
RTL	Ready To List	SCE	Southern California Edison
<b>RTP</b>	<b>Regional Transportation Plan,</b> Federally required 20-year plan by MPO's, updated every 3-years	SCEDCO	Stanislaus County Economic Development Corporation
<b>RTPA</b>	<b>Regional Transportation Planning Agency,</b> State designated agency responsible for prep. of RTP & RTIP	SCFM	Standard Cubic Feet Per Minute
RTS	Remote Traveler Support Subsystem (ITS)	SCH	State Clearing House
RWQCB	Regional Water Quality Control Board	SCO	State Controllers Office
<b>S</b>		SCOH	Standing Committee on Highways
		SCS	Soil Conservation Service (now NRCS)
		SCSP	Storm and Combined Sewer Program
		<b>SD</b>	<b>Structurally Deficient</b> (bridge), Standard Deviation
		SDC	Seismic Design Criteria
		SDO	Standards Development Organization
		SDP	Strategic Deployment Plan
		SDWA	Safe Drinking Water Act
		SEA	Systems Engineering Analysis
		SEAC	Sulfur Extended Asphalt Concrete
		SEC	U.S. Securities and Exchange Commission
		SEP	Special Emphasis Program Special Experimental Project; (ex.: FHWA allowed states to evaluate the design-build method on an experimental basis through SEP-14.
SAAMP	Special Area Aquatic Management Plan	<b>Section 4(f)</b>	USDOT Act of 1966, Protects publicly owned parks, recreational areas, wildlife and water fowl refuges and land from historic sites
SAB	Seismic Advisory Board	<b>Section 7</b>	Of Endangered Species Act of 1973
SACOG	Sacramento Area Council of Governments	Section 9	Prohibited Acts
SADBU	Small And Disadvantaged Business Utilization	Section 10	Habitat Conservation Plans
SAE	Society of Automotive Engineers	<b>Section 106</b>	National Historic Preservation Act of 1966.
SAFEs	Service Authorities for Freeway Emergencies	<b>Section 130</b>	Protection of cultural resources and historic properties.
SAFETEA	Safe, Accountable, Flexible and Efficient Transportation Equity Act of 2003		Railroad / Highway At-Grade Crossings Safety Program
SAIN	Substance Abuse Information Network	<b>Section 404</b>	of the 1977 Federal Clean Water Act
SAM	State Administrative Manual		
SAME	Society of American Military Engineers		
SAMI	Stress-Absorbing Membrane Interlayer		
SANBAG	San Bernardino Associated Governments		
SANDAG	San Diego Association of Governments		
SAP	Sampling and Analysis Plan		

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<b>SER</b>	<b>Standard Environmental Reference</b> <a href="http://www.dot.ca.gov/ser/">http://www.dot.ca.gov/ser/</a>	SLIMS	?
SF	Scheduled Finish Date / Start-to-Finish; Standard Form; Superfund	SLC	State Land Commission
SFOBB	San Francisco-Oakland Bay Bridge	SLD	Sea Level Datum
SFP	Single Focal Point	SLIP	Serial Line Internet Protocol
S&H Code	Streets & Highways Code – laws governing funding & development of projects	SLPDP	State and Local Project Development Program
<b>SHA</b>	<b>State Highway Account</b> ; Major account for highways (gas tax & weight fees) State Highway Agency	SLTC	Soluble Threshold Limit Concentration (Cal)
SHBSB	State Historic Building Safety Board	SLTPP	State Local Transportation Partnership Program State, discontinued)
SHELL	Subsystem of Highways for the Movement of Extralegal Permit Loads	SMARA	Surface Mining and Reclamation Act (Calif.)
<b>SHOPP</b>	<b>State Highway Operation and Protection Program</b> , four & ten-year capital improvement program for rehabilitation, safety, and operational improvements on state highways. Cannot increase roadway capacity. SB 1435-Kopp	SMART	Structure Maintenance Automatic Report Transmittal system
SHRP	State Highway Research Program	SMBB	Goals: Specific, Measurable, Achievable, Realistic, Time limited.
SHS	State Highway System	SMR	single metal beam barrier
<b>SHPO</b>	<b>State Historic Preservation Officer</b>	SMS	Specialized Mobile Radio
SHRC	State Historical Resources Commission	SMSA	Highway Safety Management System
SHWL	Seasonal High Water Level	SMTP	Standard Metropolitan Statistical Area
SI	International System of Units (The Modernized Metric System)	SNAFU	Simple Mail Transfer Protocol
SI&A	Structure Inventory and Appraisal	SNAP	Situation Normal All Fouled Up (polite form)
SIB	State Infrastructure Bank	SNC	Sonic Nap Alert Pattern (Penn. Turnpike type rumble strip)
SIC	Standard Industrial Classification, Standard Industry Code	SNMP	Significant Noncompliance
SIG	Special Interest Group	SO	Simple Network Management Protocol (ITS)
SIGOP	Signal Optimization	SOAP	Sulfur Dioxide
SIMS	Sign Inventory Management System	SOC	Signal Operations Analysis Package
SIP	State Implementation Plan; air qual. Required by Fed, CAA of 1970. In order to be eligible for Fed \$ projects must demonstrate conformity to SIP.	SOF	Synthetic Organic Chemicals
SISA	Special In-grade Salary Adjustment	SOF	State Only Funding
SJCOG	San Joaquin Council of Government	SOFC	solid oxide fuel cell, see APU
SJHTC	San Joaquin Hills Transportation Corridor	SONET	Synchronous Optical Network (ITS)
SJVAPCD	San Joaquin Valley Air Pollution Control District	SOQ	Statement of Qualifications
<b>SLA</b>	<b>Structures Local Assistance</b> , Symbionese Liberation Army (different people, same acronym)	SOV	Single Occupancy Vehicle
SLAE	Structure Local Assistance Engineer	SOW	Statement of Work
SLAMS	State and Local Air Monitoring Stations	SO <sub>2</sub>	Sulfur Dioxide
		SOx	Sulfur Oxides
		SPB	State Personnel Board
		SPE	Start Preliminary Engineering
		SPI	Schedule Performance Index
		SP&R	State Planning & Research
		<b>SR2S</b>	<b>Safe Routes to School</b> program (Fed) (est. by AB 1475, ext. by SB 10)
		SPB	State Personnel Board
		SPMIT	Statewide Project Management Improvement Team
		SPRR	Southern Pacific Railroad
		SQL	Standard Query Language

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<b>SR</b>	<b>Sufficiency Rating</b> (bridge) or <b>State Route</b>	STRUDL	Structural Design Language (computer program)
SRF	State Revolving (Loan) Fund (Clean Water Act)	STURAA	Surface Transportation and Uniform Relocation Assistance Act (1987)
SROA	State Restriction of Appointments		
SRP	Secondary Road Plans	SU	Source Unit
SRT	Slotted Rail Terminal	SUDP	Specific Urban Development Plan
SRTP	Short Range Transit Plans	SULEV	super ultra low emission vehicles
SS	Scheduled Start Date / Start-to-Start	Superpave	Superior PERforming asphalt PAVements
SSE	Separate State Estimate	SUSMP	Standard Urban Stormwater Mitigation Plan
SSA	Sole Source Aquifer	SV	Schedule Variance
SSB	Scope, Schedule, and Budget	SW	Sidewalk Storm Water
ssambn	such sums as may be necessary	SWAG	Stuff We All Get
SSN	Social Security Number		Scientific Wild Ass Guess
SSES	Sewer System Evaluation Survey		(not CT. We don't guess, we know)
SSO	Sanitary Sewer Overflow	SWDR	Storm Water Data Report
SSPP	Structural Steel Plate Pipe	SWITRS	Statewide Integrated Traffic Records System
SSPs	Standard Special Provisions	SWLF	Solid Waste Landfill
SSR	Standard Speed Rail	<b>SWMP</b>	<b>Storm Water Management Plan</b>
SSTAC	Social Service Transportation Advisory Council	SWMU	Solid Waste Management Unit
STA	State Transit Assistance; State funding for mass transit oper. & cap. Imp., By law, STA must receive 50% of PTA revenues	<b>SWPPP</b>	<b>Storm Water Pollution Prevention Plan</b>
STA	State Transportation Agency	SWQAG	Storm Water Quality Assessment Guide
STAA	Surface Transportation Assistance Act of 1982	SWRCB	State Water Resources Control Board
STANCOG	Stanislaus Council of Governments	SWTF	Storm Water Task Force
STAPPA	State And Territorial Air Pollution Program Administrators	SYSOP	Systems Operator
STBB	Single Thrie Beam Barrier		
STC	State Training Center	<b>T</b>	
STD	Sate Transportation Department	T2	Technology Transfer
STE	State Transportation Enhancement	TA	Technical Advisory
STEL	short-term exposure limit	TAC	Technical Advisory Committee
<b>STIP</b>	<b>State Transportation Improvement Program,</b> 4-year list of projects approved by CTC and is a list of major projects. ITIP (25%) & RTIP (75%)	TAC/ALC	Technical Advisory Committee for Agricultural Land Conservation
STC	State Training Center	TAG	Technical Advisory Group
STMF	Simple Transportation Management Framework (ITS)	TAM	Transportation Asset Management (FHWA, resource allocation strategies)
STMP	Simple Transportation Management Protocol (ITS)	TAS	Toll Administration Subsystem
STO	Smart Testing Operations	TAR	Tribal Authority Rule
<b>STP</b>	<b>Surface Transportation Program</b> (Fed) (Formerly FAU or FAS) Study; Standard Temperature and Pressure	TASAS	Traffic Accident Surveillance and Analysis System
STPP	Surface Transportation Policy Project	TAT	Tire Anchor Timber Wall
STPL	Surface Transportation Program (Local)	TAU	Temporary Authorization Appointment
STRAHNET	STRAtegic Highways NETwork	TB	Top of Bank
		TBB	Thrie beam barrier
		TBC	Top Back of Curb
		TC	Top of Curb
		TCA	Transportation Corridor Agency
		TCB	Traffic Control Box

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TCCC	Transportation Curriculum Coordination Council (FHWA led pooled fund study for training management and development under NHI)	TeNS	Technical Noise Supplement ( <a href="http://env.dot.ca.gov/env/noise/index.htm">http://env.dot.ca.gov/env/noise/index.htm</a> )
TCDD	Dioxin (Tetrachlorodibenzo-p-dioxin)	TERO	Tribal Employment Rights Office or Ordinances
TCDH	Traffic Control Devices Handbook	TF	Total Float / Target Finish Date
TCE	Trichloroethylene	TFHRC	Turner-Fairbank Highway Research Center (McLean, VA)
TCI	Transit Capital Improvement program	THC	Total Hydrocarbons
TCIP	Transit Communications Interface Profiles (ITS)	THM	Trihalomethanes
TCLP	Toxicity Characteristic Leaching Procedure (Fed)	TI	Traffic Index, = 9.0(ESAL/1,000,000) <sup>0.119</sup> ;
TCM	Transportation Control Measure – to reduce pollution emissions.	TIC	Temporary Intermittent Technical Information Center
TCP	Traffic Control Plan	TID	Turlock Irrigation District
TCP/IP	Transmission Control Protocol/Internet Protocol	TIE	Toxicity Identification Evaluation
TCR	Transportation Concept Report; Transportation Corridor Report	TIES	Total Integrated Engineering System
TCRA	Traffic Congestion Relief Act (AB2928)	TIF	Transportation Investment Fund; Truck Inspection Facility
TCRF	Traffic Congestion Relief Fund	TIFIA	Transportation Infrastructure Finance & Innovation Act
<b>TCRP</b>	<b>Transportation Congestion Relief Program,</b> Transit Cooperative Research Program	TIGER	Topologically Integrated Geographic Encoding Referencing System
TCS	Transportation Control Strategy, Traffic Controller Synchronizer, Traffic Control Systems, Transportation Corridor Study Toll Collection Subsystem	<b>TIP</b>	<b>Transportation Improvement Program</b>
T&D	Training and Development	TIS	Travelers Information System
TDA	Transportation Development Act; State law, 1971, 0.25% sales tax for transit & bike	TISE	Take It Somewhere Else
TDD	Telecommunications Device for the Deaf	TISP	The Infrastructure Security Partnership (Congress of Infrastructure Security for the Built Environment)
TDIP	Technology Deployment Initiatives and Partnerships	T&L	Time and Labor
TDM	Transportation Demand Management; Travel Demand Management	TL	Transportation Laboratory
TDMA	Time Division Multiple Access (ITS)	TLI	Terrain Line Interpolation
TDP	Transportation Development Plan (Formerly RDP), Tons Per Day (air qual.)	TLV	Threshold Limit Value
TDS	Total Dissolved Solids	TMA	Transportation Management Assoc. or Area
TE	Transportation Engineer	TMC	Transportation Management Center; Traffic Management Center
T&E	Threatened and Endangered (species)	TMCC	Truck-Mounted Crash Cushion
<b>TEA</b>	<b>Transportation Enhancement Act</b> or Activities program (Fed)	TMDD	Traffic Management Data Dictionary (ITS)
TEAM	Together Everybody Achieves More (not CT)	TMDL	Total Maximum Daily Load; ...Limit
TEC	Travel Expense Claim; Total Escalated Cost	TMIP	Travel Model Improvement Program
<b>TEA-21</b>	<b>Transportation Equity Act for the 21<sup>st</sup> Century</b> (Fed); 1998-2004	TMP	Transportation Management Plan
		TMS	Traffic Management (or Monitoring or Maintenance) System or Subsystem, see TSM
		TNT	Trinitrotoluene
		TOC	Traffic Operations Center;
		TOD	Total Organic Carbon/ Compound, Section 4(f) Transit Oriented Development
		TOMIS	Traffic Operations Management Information Service

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TON	Threshold of Odor Number (water qual)	TSO	Time-share operation
TOPICS	Traffic Operations Program to Improve Capacity & Safety	TSP	Total Suspended Particulates, Traffic Synchronization Projects
TOPSS	Transportation Operations and Project Support System (New time system)	TSS	Total Suspended Solids
TOS	Traffic Operations System	TSSS	Total Station Survey System
TOT/MVM	Total Accidents Per Million Vehicle Miles	TTHM	Total Trihalomethane
TP	Turning Point (surveying)	TTLC	Total Threshold Limit Concentration
TPB	Treated Permeable Base	TTIA	Technology Transfer Improvements Act of 1995
TPC	Technical Planning Committee	TTN	Technology Transfer Network
TP&D	Transportation Planning & Development account	TTP	Technology Transfer Program (UCB)
TPL	Truck Passing Lane	TTY	Teletype
TPM	Transportation Planning Manual	TUF date	Timely Utilization of Funding?
TQM	Total Quality Management	TVA	Tennessee Valley Authority
TRAMS	Transportation Accounting & Management System: developed to meet the Department's reporting needs and to respond effectively to the requirements placed on the Department as a result of the implementation of the California Fiscal Information System.	TVOC	Total Volatile Organic Compounds
TRAQ	Transportation Air Quality Center	TWLTL	Two Way Left Turn Lane
TRARR	Traffic on Rural Roads		
TRB	Transportation Research Board (formerly Highway Research Board)	<b>U</b>	
TRIP	The Road Information Program	UA	Urbanized Area
TRIS	Transportation Research Information System (UCB), see C-TRIS	UAA	Use Attainability Analysis (water qual)
TRIS	Transportation Research Information System; Toxic Release Inventory System	UAM	Urban Air-shed Model
TRMC	Transit Management Center	UAQI	Uniform Air Quality Index
TRMS	Transit Management Subsystem	UART	Universal Asynchronous Transmitter Receivers (Computer Chip)
TRRL	Transportation Road Research Laboratory	UC	Under-crossing
TRS	Time Reporting System (history)	UCITS	University of California Institute of Transportation Studies
TRSP	Traffic-Responsive Plan (Generation)	UCP	Unified Certification Program (DBE)
TRT	Technical Review Team	UCS	Unconfined Compressive Strength
TRVS	Transit Vehicle Subsystem (ITS)	UFAS	Uniform Federal Accessibility Standards
TSC	Transportation Systems Center	UG	Underground
TSCA	Toxic Substances Control Act	UGB	Urban Growth Boundaries
TSDP	Transportation System Development Plan	UHPC	Ultra High Performance Concrete
TSDF	Treatment, Storage and Disposal Facilities	UIT	ultrasonic impact treatment, for welds
TSIP	Transportation Systems Information Program	UITP	International Union of Public Transport
TSM	Transportation System Management program (State, discontinued) See TMS	ULEV	Ultra Low Emission Vehicles
TSN	Transportation System Network	UMRA	Un-funded Mandates Reform Act
		UMTA	Urban Mass Transit Agency, .....Administration
		UNESCO	United Nations Educational, Scientific and Cultural Organization
		UNPARs	Unprogram Project Approval Requests
		UP	Underpass
		URISA	Urban and Regional Information Systems Assoc.
		URL	Universal Resource Locator;
			Universal Reader Language

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UROAD	Urban Mass Transportation Agency		
USA	United States of America; Underground Service Alert	VOC	Volatile Organic Compounds; Volume and Occupancy Control (Constant)
USC	United States Code; Unified Soil Classification	VOS	Vehicle Operating Survey
USC&GS	United States Coast and Geodetic Survey	VRC	Vehicle/Roadside Communications (ITS)
USCE	United States Corps of Engineers (ARMY)		
USCG	United States Coast Guard		
USDA	U.S. Department of Agriculture		
<b>USFS</b>	<b>U.S. Forest Service</b>		
<b>USFWS</b>	<b>United States Fish &amp; Wildlife Service</b>		
USGS	United States Geological Survey		
USM	Urban Simulation Model		
USPLS	United States Public Land Surveys		
USPS	US Postal Service		
USR	User Service Requirement		
UST	Underground Storage Tank		
USTIP	Updated State Transportation Improvement Program		
USTR	United States Trade Representative		
UTC	Ultimate Transportation Corridor		
UTCS	Urban Traffic Control System		
UTPS	Urban Transportation Planning System		
UUA	use attainability analysis, (EPA, water body recreational use.)		
UV	Ultraviolet		
UZA	Urbanized Area		

## V

VA	Veterans Administration	Value Analysis	
VC	Vertical Curve		
V/C	Volume /Capacity ratio		
VCM	Vertical Control Monumentation		
VDT	Video Display Terminal		
VE	Value Engineering		
VECP	Value Engineering Change Proposal		
VELB	Valley Elderberry Longhorn Beetle (lives in stems $\geq$ one inch)		
VEP	Value Engineering Proposal		
VFC	Vehicle Fuel Consumption		
VGA	Virtual Graphics Array		
VHT	Vehicle-Hours of Travel		
VISTA	Video Information System Training Assoc., Inc.		
VKT	Vehicle Kilometers Traveled		
VMS	Variable Message Sign		
VMT	Vehicle Miles Traveled,		

## W

WADS	Wide Area Detection Systems		
WAN	Wide Area Network		
WASHTO	Western Association of State Highway & Transportation Officials		
WBE	Woman-owned Business Enterprise		
<b>WBS</b>	<b>Work Breakdown Structure</b>		
WC	Worker's Compensation		
WCC	Work Category Code		
WDT	Weight-Distance Tax		
WEN	Workload Estimating Norm		
WES	Waterways Experiment Station		
WET	Wetland Evaluation Technique		
WGRA	Western Governmental Research Association		
WHO	World Health Organization / United Nations		
WIB	Workforce Investment Board		
WPA	watershed protection approach		
WPCM	Water Pollution Control Manager		
WPCP	Water Pollution Control Program		
WQBEL	water quality-based effluent limit		
WQC	Water Quality Criteria		
WQI	Watershed Quality Index		
WQS	water quality standard		
WS	White Stripe		
WSP	Welded Steel Pipe		
WSRA	Wild and Scenic Rivers Act		
WSPRO	Water Surface Profile		
WSTP	Wastewater Sewage Treatment Plant		
WWBE	White Women-owned Business Enterprise		
WWTP	Wastewater Treatment Plant		
WWW	World-Wide Web		
WYSIWYG	What you see is what you get		
WZS	Work Zone Safety		
WZTC	Work Zone Traffic Control		

## X

XPM	<b>Expert Project Management</b>
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## **Y**

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YARTS	Yosemite Area Regional Transportation System
YATI	Yosemite Area Traveler Information
YS	Yellow Stripe
Y2K	The Year 2000 Computer Problem

## **Z**

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ZBB	Zero Based Budgeting: process requiring justification of every dollar (and person-year) of an organization's/program's proposed budget for the budget year. The assumed program level for the budget year is zero, thus intensive justification and critical review of all components is required before approval
ZEV	Zero Emissions Vehicle
ZRL	Zero Risk Level