Transportation
Acronym
Guide
The Montana Department of Transportation (MDT) developed this guide to help Montana citizens decipher the confusing and seemingly endless acronyms associated with transportation planning and programs.

MDT will update this guide regularly since new acronyms appear almost daily. MDT's Internet Web site (www.mdt.mt.gov) will always have the most current version. If you would like additional copies of this publication or have suggestions for additional acronyms, call 444-3423 or 800-714-7296. Hearing-impaired individuals can call TTY 800-335-7592 or the Montana Relay at 711.
3Cs.............Continuing, Comprehensive, Cooperative
3R.............Restoration, Rehabilitation, and Resurfacing
4R.............3R + Reconstruction

AAA............American Automobile Association
AADL..........Annual Average Daily Loading
AADT..........Annual Average Daily Traffic
AADTT........Annual Average Daily Traffic Totals
AADW ..........Annual Average Days of the Week
AAMA..........American Automobile Manufacturers Association
AAMVA........American Association of Motor Vehicle Administrators
AAPA..........American Association of Port Authorities
AAR..........Association of American Railroads
AASHO........Former name of AASHTO
AASHTO......American Association of State Highway and Transportation Officials
AAWDT .......Annual Average Weekday Traffic
AAWET........Annual Average Weekend Traffic
ABA...........American Bus Association
ABS..........Antilock Braking System
AC ..........Advisory Circular
AC ..........Alcohol Concentration
AC ..........Asphalt Concrete
ACC..........Adaptive Cruise Control
ACEC........American Consulting Engineers Council
ACI.........Automatic Cargo Identification
ACI ........American Concrete Institute
ACPA.........American Concrete Pavement Association
ACS..........Automatic Clearance Sensing
ACTS.........American Coalition for Traffic Safety Inc.
<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AD</td>
<td>Administrative District</td>
</tr>
<tr>
<td>ADA</td>
<td>Americans With Disabilities Act</td>
</tr>
<tr>
<td>ADF</td>
<td>Automatic Direction Finder</td>
</tr>
<tr>
<td>ADI</td>
<td>Automatic Driver Identification</td>
</tr>
<tr>
<td>ADIS</td>
<td>Advanced Driver Information Systems</td>
</tr>
<tr>
<td>ADL</td>
<td>Average Daily Load</td>
</tr>
<tr>
<td>ADT</td>
<td>Average Daily Traffic</td>
</tr>
<tr>
<td>AFB</td>
<td>Air Force Base</td>
</tr>
<tr>
<td>AFC</td>
<td>Automatic Fare Collection</td>
</tr>
<tr>
<td>A/FD</td>
<td>Airport/Facility Directory</td>
</tr>
<tr>
<td>AFM</td>
<td>Aircraft Flight Manual</td>
</tr>
<tr>
<td>AFSS</td>
<td>Automated Flight Service Station</td>
</tr>
<tr>
<td>AFV</td>
<td>Alternative-Fuel Vehicles</td>
</tr>
<tr>
<td>AHS</td>
<td>Automated Highway System</td>
</tr>
<tr>
<td>AICP</td>
<td>American Institute of Certified Planners</td>
</tr>
<tr>
<td>AIM</td>
<td>Aeronautical Information Manual</td>
</tr>
<tr>
<td>AIP</td>
<td>Airport Improvement Program</td>
</tr>
<tr>
<td>AIRMET</td>
<td>Airmen’s Meteorological Information</td>
</tr>
<tr>
<td>ALAPCO</td>
<td>Association of Local Air Pollution Control Officials</td>
</tr>
<tr>
<td>ALF</td>
<td>Accelerated Loading Facility</td>
</tr>
<tr>
<td>ALS</td>
<td>Approach Light Systems</td>
</tr>
<tr>
<td>AMA</td>
<td>American Motorcyclist Association</td>
</tr>
<tr>
<td>AMAA</td>
<td>Association of Montana Aerial Applicators</td>
</tr>
<tr>
<td>AMFA</td>
<td>Alternative Motor Fuels Act (1988)</td>
</tr>
<tr>
<td>AMPD</td>
<td>Average Miles Driven per Day</td>
</tr>
<tr>
<td>AMPO</td>
<td>Association of Metropolitan Planning Organizations</td>
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<tr>
<td>AMRL</td>
<td>AASHTO Materials Reference Lab</td>
</tr>
<tr>
<td>AMSL</td>
<td>Above Mean Sea Level</td>
</tr>
<tr>
<td>AMTRAK</td>
<td>National Railroad Passenger Corporation</td>
</tr>
<tr>
<td>ANPRM</td>
<td>Advanced Notice of Proposed Rulemaking</td>
</tr>
<tr>
<td>ANSI</td>
<td>American National Standards Institute</td>
</tr>
<tr>
<td>AOA</td>
<td>Agency on Aging</td>
</tr>
<tr>
<td>AOPA</td>
<td>Aircraft Owners and Pilots Association</td>
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<tr>
<td>AOPL</td>
<td>Association of Oil Pipelines</td>
</tr>
<tr>
<td>AP</td>
<td>Autopilot System</td>
</tr>
<tr>
<td>APC</td>
<td>Automated Passenger Counting</td>
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</tbody>
</table>
APCA ..........American Portland Cement Alliance
API..............American Petroleum Institute
APT..............Accelerated Pavement Testing
APTA...........American Public Transit Association
APTS...........Advanced Public Transportation Systems
APWA ..........American Public Works Association
ARAN..........Automatic Road Analyzer
ARI..........Average Ride Index
ARM ..........Administrative Rules of Montana
ARSA ..........Airport Radar Service Area
ART..........Applied Research and Technology
ARTBA........American Road and Transportation Builders Association
ARTCC .........Air Route Traffic Control Center
ARTS ........Advanced Rural Transportation System
ASCE ..........American Society of Civil Engineers
ASOS ..........Automated Surface Observing System
ASTM.........American Society for Testing and Materials
ATA..........American Trucking Associations
ATB..........Asphalt Treated Base
ATC..........Air Traffic Control
ATC...........Automated Toll Collection
ATCT ..........Airport Traffic Control Tower
ATIS ..........Advanced Traveler Information Systems
ATIS..........Automatic Terminal Information Service
ATMS..........Advanced Traffic Management Systems
ATR..........Automatic Traffic Recorder
ATS..........American Travel Survey (BTS/Census)
ATSAC ........Automated Traffic Surveillance and Control System (LA)
ATSSA ..........American Traffic Safety Services Association
ATV..........All-Terrain Vehicle
AVC..........Automatic Vehicle Classification
AVCG ..........Advanced Vehicle Control/Guidance
AVCI..........Automatic Vehicle and Cargo Identification
AVCS ..........Advanced Vehicle Control Systems
AVI..........Automatic Vehicle Identification
AVL..........Automatic Vehicle Location
AVLS......... Automatic Vehicle Location System
AVM......... Automatic Vehicle Monitoring
AVMT ........ Annual Vehicle Miles of Travel
AVO......... Average Vehicle Occupancy
AVR......... Average Vehicle Ridership
AVW......... Automatic Vehicle Weighing
AWOS......... Automated Weather Observing System

BAC......... Blood Alcohol Content/Concentration
BAMS......... Bid Analysis Management System
BC ............ Back Course
BEA......... Bureau of Economic Analysis
BIA ........... Bureau of Indian Affairs
BKWy......... Breakaway
BLCR.......... Bridge Load Capacity Rating
BLM ........... Bureau of Land Management
BLS ........... Bureau of Labor Statistics
BMCS......... Bureau of Motor Carrier Safety
BMP .......... Best Management Practices (erosion control)
BMS .......... Bridge Management System
BNSF ......... Burlington Northern Santa Fe
BOL .......... Bill of Lading
BPR .......... Bureau of Public Roads
BR .......... Bridge Replacement and Rehabilitation Program
(federal funds)
BST .......... Bituminous Surface Treated
BTS .......... Bureau of Transportation Statistics
BWIM .......... Bridge Weigh-in-Motion

CA ............ Cooperative Agreement
CAA.........Clean Air Act
CAAA........Clean Air Act Amendents of 1990
CAD.........Computer-Aided Dispatching
CADD........Computer-Aided Drafting and Design
CADRE.......Critical Automated Data Reporting Elements (NHTSA)
CAFE........Corporate Average Fuel Efficiency
CAO.........Chief Administrative Officer
CAP.........Civil Air Patrol
CAP...........Corrugated Aluminum Pipe
CARB.........California Air Resources Board
CARD.........Crash Avoidance Research Data (NHTSA)
CatEx........Categorical Exclusion
C/B.........Cost-Benefit
CBD.........Central Business District
CBI.........Computer-Based Instruction
CCD...........Charge-Coupled Device (optical-electrical sensor)
CCIR.........Consultative Committee for International Radio
CCT.........Computer Compatible Tape
CDI.........Course Deviation Indicator
CDL.........Commercial Driver’s License
CDO.........Crescent Demonstration Operator
CDP.........Census Designated Place
CD-ROM......Compact Disk—Read-Only Memory
CE.........Construction Engineering
CERF.........Civil Engineering Research Foundation (ASCE)
CERL.........Construction Engineering Research Laboratory (COE)
CFC.........Chlorofluorocarbon
CFDA........Catalog of Federal Domestic Assistance
CFF.........Clean Fuel Fleet
CFO.........Chief Financial Officer
CFR.........Code of Federal Regulations
CFS.........Commodity Flow Survey (= CTS)
CG.........Coordinating Group
CHRIS.......Chemical Hazard Response Information System
CI.........Congestion Index
CIH.........Compensated Intercorporate Hauling
CIM.............Classification-in-Motion
CIMA...........Construction Industry Manufacturers Association
CIP.............Capital Investment Plan
CL ...............Carload
CLC.............Concentrated Load Capacity
CLF.............Conservation Law Foundation
C/M ............Climate/Materials
CMAQ .........Congestion Mitigation and Air Quality Improvement
CMP..............Congestion Management Program
CMP.............Corrugated Metal Pipe
CMS............Changeable Message Sign
CMS.............Construction Management System
CMSA ...........Consolidated Metropolitan Statistical Area
CMV............Commercial Motor Vehicle
CN ..............Construction
CNG...........Compressed Natural Gas
CNTS ..........Center for National Truck Statistics (UMTRI)
CO...............Carbon Monoxide
COA ..........Council on Aging
COE ..........Corps of Engineers (U.S. Army)
COFC ..........Container-on-Flatcar
COG ..........Council of Government
CoMS..........Congestion Management System
COTS ..........Commercial off-the-Shelf
CP .............Cathodic Protection
CGPA ..........Council of Governor’s Policy Advisors
CPS.............Child Passenger Safety
CR ..........Civil Rights
CRASH........Citizens for Reliable and Safe Highways
CRC ..........Continuously Reinforced Concrete
CRS ..........Computer Reservation System
CSKT ..........Confederated Salish and Kootenai Tribes
CSO ..........Council of Standards Organizations
CSP ..........Corrugated Steel Pipe
CTAA ..........Community Transportation Association of America
CTAF ..........Common Traffic Advisory Frequency
<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTC</td>
<td>Community Transportation Coordinator</td>
</tr>
<tr>
<td>CTEP</td>
<td>Community Transportation Enhancement Program (Montana Program)</td>
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<tr>
<td>CTIPS</td>
<td>Comprehensive Transportation Information and Planning System</td>
</tr>
<tr>
<td>CTPP</td>
<td>Census Transportation Planning Package</td>
</tr>
<tr>
<td>CUTA</td>
<td>Canadian Urban Transit Association</td>
</tr>
<tr>
<td>CUTC</td>
<td>Council of University Transportation Centers</td>
</tr>
<tr>
<td>CVIS</td>
<td>Commercial Vehicle Information System</td>
</tr>
<tr>
<td>CVO</td>
<td>Commercial Vehicle Operations</td>
</tr>
<tr>
<td>CVSA</td>
<td>Commercial Vehicle Safety Alliance</td>
</tr>
<tr>
<td>CWIM</td>
<td>Continuous Weigh-in-Motion</td>
</tr>
<tr>
<td>D</td>
<td>Depth (slab thickness)</td>
</tr>
<tr>
<td>DA</td>
<td>Decision Altitude</td>
</tr>
<tr>
<td>DA</td>
<td>District Administrator</td>
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<tr>
<td>DBE</td>
<td>Disadvantaged Business Enterprise</td>
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<tr>
<td>DDHV</td>
<td>Directional DHV, vph</td>
</tr>
<tr>
<td>DEAL</td>
<td>Design Equivalent Axle Load</td>
</tr>
<tr>
<td>DESAL</td>
<td>Design Equivalent Single-Axle Load</td>
</tr>
<tr>
<td>DEQ</td>
<td>Department of Environmental Quality (Montana)</td>
</tr>
<tr>
<td>D-Factor</td>
<td>Peak Directional Volume (as percent DHV)</td>
</tr>
<tr>
<td>DF</td>
<td>Direction Finder</td>
</tr>
<tr>
<td>DH</td>
<td>Decision Height</td>
</tr>
<tr>
<td>DHTM</td>
<td>Design Hour Turning Movements</td>
</tr>
<tr>
<td>DHV</td>
<td>Design Hour Volume = K * AADT (usually 30th highest hour)</td>
</tr>
<tr>
<td>DIM</td>
<td>Dimension in Motion</td>
</tr>
<tr>
<td>DIME</td>
<td>Dual Incidence Matrix Encoded Files (like TIGER but 1980)</td>
</tr>
<tr>
<td>DIN</td>
<td>Deutsches Institut fur Normung</td>
</tr>
<tr>
<td>DL</td>
<td>Driver Licensing</td>
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<tr>
<td>DME</td>
<td>Distance Measuring Equipment</td>
</tr>
<tr>
<td>Acronym</td>
<td>Full Form</td>
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<tr>
<td>DOD</td>
<td>Department of Defense</td>
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<tr>
<td>DOE</td>
<td>Department of Energy</td>
</tr>
<tr>
<td>DOI</td>
<td>Department of the Interior</td>
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<tr>
<td>DOR</td>
<td>Department of Roads</td>
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<tr>
<td>DOT</td>
<td>Department of Transportation</td>
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<tr>
<td>DP</td>
<td>Instrument Departure Procedure</td>
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<tr>
<td>DRGS</td>
<td>Dynamic Route Guidance System</td>
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<tr>
<td>DRL</td>
<td>Daytime Running Lights</td>
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<tr>
<td>DRP</td>
<td>Data Review Package</td>
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<tr>
<td>DUATS</td>
<td>Direct User Access Terminal System</td>
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<tr>
<td>DUI</td>
<td>Driving Under the Influence</td>
</tr>
<tr>
<td>DVKT</td>
<td>Daily Vehicle Kilometers of Travel</td>
</tr>
<tr>
<td>DVMT</td>
<td>Daily Vehicle Miles Traveled</td>
</tr>
<tr>
<td>DWI</td>
<td>Driving While Intoxicated</td>
</tr>
<tr>
<td>EA</td>
<td>Environmental Assessment</td>
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<tr>
<td>EAA</td>
<td>Experimental Aircraft Association</td>
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<tr>
<td>EAL</td>
<td>Equivalent Axle Load(ing)</td>
</tr>
<tr>
<td>EAS</td>
<td>Essential Air Service</td>
</tr>
<tr>
<td>EBL</td>
<td>Electronic Bill of Lading (or placarding)</td>
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<tr>
<td>EDS</td>
<td>Electronic Data Sharing</td>
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<tr>
<td>EF</td>
<td>Equivalent Single-Axel Load Factor</td>
</tr>
<tr>
<td>EFAS</td>
<td>En Route Flight Advisory Service</td>
</tr>
<tr>
<td>EFT</td>
<td>Electronic Funds Transfer</td>
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<tr>
<td>EIA</td>
<td>Electronic Industries Association</td>
</tr>
<tr>
<td>EIA</td>
<td>Energy Information Administration</td>
</tr>
<tr>
<td>EIA</td>
<td>Environmental Impact Assessment</td>
</tr>
<tr>
<td>EIS</td>
<td>Emergency Information System</td>
</tr>
<tr>
<td>EIS</td>
<td>Environmental Impact Statement</td>
</tr>
<tr>
<td>EIT</td>
<td>Engineer in Training</td>
</tr>
<tr>
<td>ELP</td>
<td>Electronic License Plate</td>
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<tr>
<td>ELT</td>
<td>Emergency Locator Transmitter</td>
</tr>
<tr>
<td>EMS</td>
<td>Equipment Management System</td>
</tr>
<tr>
<td>Acronym</td>
<td>Description</td>
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<td>---------</td>
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</tr>
<tr>
<td>EPA</td>
<td>Environmental Protection Agency</td>
</tr>
<tr>
<td>ER</td>
<td>Emergency Relief Program</td>
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<tr>
<td>ERG</td>
<td>Emergency Response Guide</td>
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<tr>
<td>ESAL</td>
<td>Equivalent Single-Axle Load</td>
</tr>
<tr>
<td>ETA</td>
<td>Expected/Estimated Time of Arrival</td>
</tr>
<tr>
<td>ETC</td>
<td>Electronic Toll Collection</td>
</tr>
<tr>
<td>ETD</td>
<td>Estimated Time of Departure</td>
</tr>
<tr>
<td>ETE</td>
<td>Estimated Time En Route</td>
</tr>
<tr>
<td>ETG</td>
<td>Expert Task Group</td>
</tr>
<tr>
<td>ETTM</td>
<td>Electronic Toll and Traffic Management</td>
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<tr>
<td>EV</td>
<td>Electric Vehicle</td>
</tr>
<tr>
<td>EWL</td>
<td>Equivalent Wheel Load</td>
</tr>
<tr>
<td>F &amp; PB</td>
<td>Family and Personal Business Travel</td>
</tr>
<tr>
<td>FA</td>
<td>Area Forecast</td>
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<tr>
<td>FAA</td>
<td>Federal Aviation Administration</td>
</tr>
<tr>
<td>FAF</td>
<td>Final Approach Fix</td>
</tr>
<tr>
<td>FAI</td>
<td>Federal-Aid Interstate</td>
</tr>
<tr>
<td>FAP</td>
<td>Federal-Aid Primary (eliminated by ISTEA)</td>
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<tr>
<td>FARS</td>
<td>Fatality Analysis Reporting System (NHTSA)</td>
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<tr>
<td>FAU</td>
<td>Federal-Aid Urban (eliminated by ISTEA)</td>
</tr>
<tr>
<td>FC</td>
<td>Functional Classification</td>
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<tr>
<td>FCC</td>
<td>Federal Communications Commission</td>
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<tr>
<td>FD</td>
<td>Financial District</td>
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<tr>
<td>FDC</td>
<td>Flight Data Center</td>
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<tr>
<td>FEBBS</td>
<td>FHWA Electronic Bulletin Board System</td>
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<tr>
<td>FET</td>
<td>Federal Excise Tax</td>
</tr>
<tr>
<td>FFY</td>
<td>Federal Fiscal Year (October 1 – September 30)</td>
</tr>
<tr>
<td>FH</td>
<td>Forest Highways</td>
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<tr>
<td>FHMR</td>
<td>Federal Hazardous Materials Regulations</td>
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<tr>
<td>FHWA</td>
<td>Federal Highway Administration</td>
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</table>
FIP.......... Federal Implementation Plan
FLHP.......... Forest Lands Highway Program
FMC.......... Federal Maritime Commission
FMC .......... Fleet Management and Control
FMCSA........ Federal Motor Carrier Safety Administration
FMCSR........ Federal Motor Carrier Safety Regulations
FMIS .......... Fiscal Management Information System
FMS .......... Fleet Management System
FMVCP........ Federal Motor Vehicle Control Program
FOIA.......... Freedom of Information Act
FOIL .......... Federal Outdoor Impact Laboratory
FONSI ........ Finding of No Significant Impact
FPTS.......... Fort Peck Transportation System
FR .......... Federal Register
FRA .......... Federal Railroad Administration
FS .......... Forest Service
FSDO ......... Flight Standards District Office
FSS .......... Flight Service Station
FTA ............ Federal Transit Administration (formerly UMTA)
FTE............. Full-Time Equivalent
FTP ............. Federal Test Procedure (EPA mpg)
FUT .......... Fuel Use Tax
FWD .......... Falling Weight Deflectometer
FY ............. Fiscal Year

GA .......... General Aviation
GAO .......... General Accounting Office
GATT .......... General Agreement on Tariffs and Trade
GCP .......... Ground Control Point
GCW .......... Gross Combination Weight
GDP .......... Gross Domestic Product
GDS .......... Geometric Designs Standards
GEO .......... Geostationary Satellite
GES.............General Estimates System (NHTSA)
GFT .............Great Falls Transit
GIS .............Geographic Information System
GLCTTR......Great Lakes Center of Truck Transportation Research
GNP ..........Gross National Product
GNSS ..........Global Navigation Satellite System
GOE ..........General Operating Expenses
GPS ..........General Pavement Studies/Sections
GPS ..........Global Positioning System
GRF ..........Grants for Research Fellowships
GRIDS .......Geographical Roadway Information Display System
GRS ..........Grid Reference System
GRV ..........Graveled
GVW ..........Gross Vehicle Weight
GVWR ........Gross Vehicle Weight Rating (max weight)

H

HAR ..........Highway Advisory Radio
HAT ..........Height Above Touchdown
HATS ........Helena Area Transit System
HAZMAT ......Hazardous Materials
HC ..........Hydrocarbons
HCAADT ......Heavy Commercial AADT
HCAS ..........Highway Cost Allocation Study
HCM ..........Highway Capacity Manual (TRB)
HD ..........Headway Detection
HDDV ..........Heavy Duty Diesel Vehicle
HEAT ..........Highway Economic Analysis Tool
HEEP ..........Highway Engineering Exchange Program
HELP ..........Heavy Vehicle Electronic License Plate (Crescent)
HERS ..........Highway Economic Requirements System
HETP ..........Highway Engineer Training Program
HF ..........Highway Finance
HGV ..........Heavy Goods Vehicle
HH.............Household
HIAP..........Highway Investment Analysis Package
HIRL..........High Intensity Runway Lights
HITEC........Highway Innovative Technology Evaluation Center
HOC ..........Highway Online Claims
HM ............Hazardous Materials
HMR ..........Hazardous Materials Regulation
HNDES.......Highway Network Design and Evaluation System
HOV ..........High Occupancy Vehicle
HPA ..........High Priority Area
HP&R..........Highway Planning and Research
HPMS .........Highway Performance Monitoring System
HPNPA ........High Priority National Program Area
HPR ..........Highway Planning and Research
HRDC .........Human Resource Development Council
HRR ..........High Risk Rural Roads
HSIP.........Highway Safety Improvement Program
HSIRS .......Highway Statistics Information Retrieval System
HSIS.........Highway Safety Information System
HSP ...........High Speed Photographs
HSP ..........Highway Safety Plan
HSWIM ......High Speed Weigh-in-Motion
HTF ..........Highway Trust Fund
HTFS .........Highway Traffic Forecasting System
HTIMS ......Highway Technology Information Management System
HUD ...........Heads-up Display
HUF ..........Highway Users Federation
HUFSAM .....HUF for Safety and Mobility
HV ............Heavy Vehicle
HVM ..........Heavy Vehicle Management
HVUT ...........Heavy Vehicle Use Tax
HYSIM ......Highway (Driving) Simulator
Hz ............Hertz
I.................. Interstate
IAF .............. Initial Approach Fix
IAG .............. Interagency Agreement
IANA .......... Intermodal Association of North America
I&M ............. Inspection and Maintenance
IAP .............. Instrument Approach Procedure
IAS .............. Indicated Air Speed
IATA .......... International Air Transport Association
IBTTA .......... International Bridge, Tunnel and Turnpike Association
IC ............... Incidental Construction
ICAO .......... International Civil Aviation Organization
ICAP ............ Indirect Cost Allocation Plan
ICC ............. Interstate Commerce Commission (STB)
ICMP .......... Interagency Committee on Metric Policy
IDEA .......... Innovations Deserving Exploratory Analysis
IEEE .......... Institute of Electrical and Electronics Engineers, Inc.
IFF .......... Intermodal Freight Facility
IFME .......... International Federation of Municipal Engineers
IFR .......... Instrument Flight Rules
IFTA .......... International Fuel Tax Agreement
IHSD .......... Interactive Highway Safety Design
IIHS .......... Insurance Institute for Highway Safety
ILD .......... Induction Loop Detector
ILS .......... Instrument Landing System
IM ............ Inner Marker
IM ............. Interstate Maintenance Program (federal funds)
IMC .......... Instrument Meteorological Conditions
IMC .......... Interstate Motor Carrier
IMO .......... International Maritime Organization
IMS .......... Incident Management System
IMS .......... Information Management System (SHRP = NPDB)
IMS .......... Intermodal Management System
IPWF .......... International Public Works Federation
IR ............... IFR Military Training Route
IR ............... Indian Reservation
IRF ............. International Road Federation
IRI ............. International Roughness Index
IRP ............. International Registration Plan
IRPTS ......... Intercity and Rural Passenger Transportation Study
IRR ............. Indian Reservation Roads
IRR ............. Irrigation
IRTE ........... Integrated Road Transport Environment
IS................. Interstate System
ISCTA ......... Intermodal Safe Container Transportation Act (1992)
ISO ............. International Standards Organization
ISTEA ........ Intermodal Surface Transportation Efficiency Act
ISWIM ........ Intermediate Speed Weigh-in-Motion
IT ............... Information Technology
ITA ............. International Trade Association
ITE ............. Institute of Transportation Engineers
ITM ............. Information Technology Manager (General Services Ad-
    ministration)
ITS ............. Institute of Transportation Studies (University of Califor-
    nia–Berkeley)
ITS ............. Intelligent Transportation System
ITSA .......... Intelligent Transportation Society of America
ITSP ........... International Technology Scanning Program
IUPT ........... International Union of Public Transport
IVHS ........... Intelligent Vehicle–Highway Systems
IVS ............. In-Vehicle Signing

JARC ........... Job Access/Reverse Commute
Jct ............. Junction
JIT ............. Just-in-Time
K

K-Factor......Peak-Hour Volume (e.g., DHV/ADT)
Kg ..............Kilogram
kHz .............Kilohertz
KIP(S) .........Kilopound(s)
Km ..............Kilometer
KMPT ..........Kilometerpoint
KRA ............Kingpin-to-Rear Axle

L

LAAS ............Local Area Augmentation System
L&D ..........Loss and Damage
LCCA ............Life Cycle Cost Analysis
LCL ............Less-Than-Container Load
LCS ............Lane Control Signal
LCV ............Larger/Longer Combination Vehicle
LDP ...........Level of Development Plan
LDVS .........Larger Dimensioned Vehicle Study
LEF ............Load Equivalency Factor
LiDAR .........Light Detection and Ranging
LMS ..........Location and Monitoring Service
LNAV ...........Lateral Navigation
LNG ..........Liquid Natural Gas
LOC ...........Localizer
LOCID ..........Location Identifier
LORAN ..........Long-Range Navigation
LOS ............Level of Service
LOU ..........Letters of Understanding
LPG ...........Liquefied Petroleum Gas
LRFA ..........Local Rail Freight Assistance
LRFD ..........Load and Resistance Factor Design
LRS ...........Linear Referencing System
LRT............. Light Rail Transit
LS.............. Lump Sum
LSF............. Load Safety Factor
LSWIM ...... Low-Speed Weigh in Motion (< 10 mph)
LT.............. Left Turn
LTAP........... Local Technical Assistance Program
LTL............ Less Than Truckload
LTPP........... Long-Term Pavement Performance (SHRP)

M

M85 ......... Methanol 85%, Gasoline 15%
MA ............ Metropolitan Area
MA............. Minor Arterial
MAAA ......... Montana Antique Airplane Association
MACI ........... Montana Air and Congestion Initiative
MACO .......... Montana Association of Counties
MACRS....... Montana Association of County Road Supervisors
MADT ......... Monthly Average Daily Traffic
MADW ........ Monthly Average Days of the Week (Traffic)
MAGLEV..... Magnetic Levitation
MAMA ........ Montana Airport Managers Association
MAP .......... Missed Approach Point
MARAD ...... Maritime Administration
MATA .......... Montana Aviation Trades Association
MAWDT ...... Monthly Average Weekday Traffic
MAWET ...... Monthly Average Weekend Traffic
MCA .......... Montana Code Anotated
MCA .......... Montana Contractors’ Association
MCARS....... Motor Carrier Accident Reporting System
MCMIS....... Motor Carrier Management Information System
MCR .......... Monthly Classification Ratio
MCREGIS... Motor Carrier Regulation Information System
MCS .......... Motor Carrier Services
MCSAP....... Motor Carrier Safety Assistance Program
<table>
<thead>
<tr>
<th>Acronym</th>
<th>Definition</th>
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<tbody>
<tr>
<td>MDA</td>
<td>Minimum Descent Altitude</td>
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<tr>
<td>MDD</td>
<td>Multi-Depth Deflectometers</td>
</tr>
<tr>
<td>MDT</td>
<td>Montana Department of Transportation</td>
</tr>
<tr>
<td>MEA</td>
<td>Minimum En Route Altitude</td>
</tr>
<tr>
<td>MEPA</td>
<td>Montana Environmental Policy Act</td>
</tr>
<tr>
<td>METAR</td>
<td>Aviation Routine Weather Report</td>
</tr>
<tr>
<td>MFF</td>
<td>Montana Flying Farmers</td>
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<tr>
<td>MFRS</td>
<td>Mileage Facilities Reporting System</td>
</tr>
<tr>
<td>MFSA</td>
<td>Montana Major Facilities Siting Act</td>
</tr>
<tr>
<td>MHz</td>
<td>Megahertz</td>
</tr>
<tr>
<td>MIRL</td>
<td>Medium Intensity Runway Lights</td>
</tr>
<tr>
<td>MIT</td>
<td>Mobile Inspection Trailer</td>
</tr>
<tr>
<td>ML</td>
<td>Mainline</td>
</tr>
<tr>
<td>MLS</td>
<td>Microwave Landing System</td>
</tr>
<tr>
<td>MM</td>
<td>Middle Marker</td>
</tr>
<tr>
<td>MMS</td>
<td>Maintenance Management System</td>
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<tr>
<td>MMCA</td>
<td>Montana Motor Carrier’s Association</td>
</tr>
<tr>
<td>MOA</td>
<td>Memorandum of Agreement</td>
</tr>
<tr>
<td>MOA</td>
<td>Military Operations Area</td>
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<tr>
<td>MOCA</td>
<td>Minimum Obstruction Clearance Altitude</td>
</tr>
<tr>
<td>MOE</td>
<td>Measure of Effectiveness</td>
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<tr>
<td>MOM</td>
<td>Montana Operating Manual</td>
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<tr>
<td>MOU</td>
<td>Memorandum of Understanding</td>
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<tr>
<td>MOV</td>
<td>Multiple-Occupant Vehicle</td>
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<tr>
<td>MP</td>
<td>Milepost</td>
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<tr>
<td>MPA</td>
<td>Montana Pilots’ Association</td>
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<tr>
<td>MPG</td>
<td>Miles per Gallon</td>
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<tr>
<td>MPH</td>
<td>Miles per Hour</td>
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<tr>
<td>MPO</td>
<td>Metropolitan Planning Organization</td>
</tr>
<tr>
<td>MRA</td>
<td>Minimum Reception Altitude</td>
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<tr>
<td>MRL</td>
<td>Montana Rail Link</td>
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<td>MRM</td>
<td>Mileage Reference Marker</td>
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<tr>
<td>MR TMA</td>
<td>Missoula-Ravalli Transportation Management Association</td>
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<tr>
<td>MSA</td>
<td>Metropolitan Statistical Area</td>
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<tr>
<td>MSA</td>
<td>Minimum Safe Altitude</td>
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<tr>
<td>MSF</td>
<td>Maximum Service Flow Rate, pcphpl</td>
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</tbody>
</table>
MSL ............Mean Sea Level
MSO ..........Manufacturer’s Statement of Origin
MSPA.........Montana Seaplane Pilots Association
MSW ..........Maximum Shipping Weight
MTA ..........Montana Transit Association
MTAP.........Multi-State Technical Assistance Program
MTC ..........Minimum Tolerable Conditions
MTC ..........Montana Transportation Commission
MTMC .........Military Traffic Management Command
MTP ..........Montana Transportation Partnership
MTR ..........Military Training Route
MTR ..........Monthly Traffic Ratio
MTRI ..........Montana Tourism and Recreation Initiative
MTT ..........Multi-Trailer Truck
MUD ..........Multi-Use Development
MUTCD ......Manual on Uniform Traffic Control Devices
MUTD.........Missoula Urban Transportation District
MV ..........Motor Vehicles
MVM ..........Million Vehicle Miles
MVMA .........Motor Vehicle Manufacturers Association
MWR ..........Monthly Weight Ratio
MY ..........Model Year

NAAQNA......National Ambient Air Quality Nonattainment Area
NAAQS .......National Ambient Air Quality Standards
NACE ..........National Association of County Engineers
NACO ..........National Aeronautical Charting Office
NACO ..........National Association of County Officials
NADA ..........National Automobile Dealers Association
NAE ..........National Academy of Engineering
NAFTA ......North American Free Trade Agreement
NAGHHSR .....National Association of Governors Highway Safety Representatives
NAPA........National Asphalt Pavement Association
NAPCOM.....National Pavement Cost Model
NARC .........National Association of Regional Councils
NAS.............National Academy of Sciences
NASA...........National Aeronautics and Space Administration
NASS ............National Accident Sampling System
NATS...........North American Trucking Survey (AAR)
NAVAID ......Navigational Aid
NAVSTAR ....Navigation Satellite Timing and Ranging System
NBI..............National Bridge Inventory
NCAP ..........New Car Assessment Program (NHTSA)
NCEER.......National Center for Earthquake Engineering Research
NCHRP........National Cooperative Highway Research Program
NCP............Nationally Coordinated Program (of highway RD&T)
NCPD.........National Corridor Planning and Development Program
NCSA .........National Center for Statistics and Analysis (NHTSA)
NCSL.........National Conference of State Legislatures
NC–UTCD ...National Committee on Uniform Traffic Control Devices
NCUTLO......National Committee on Uniform Traffic Laws and Ordinances
NCWM ........National Conference on Weights and Measures
NDB ..........Nondirectional Radio Beacon
NDR ..........National Drivers Register
NDT ..........Non-Destructive Testing
NEMA..........National Electrical Manufacturers Association
NEPA..........National Environmental Policy Act (1969)
NFDC ........National Flight Data Center
NGA ..........National Governors Association
NGRS .........National Geodetic Reference System
NGV ..........Natural Gas Vehicle
NGVC ..........Natural Gas Vehicle Coalition
NH...............National Highway (federal funds)
NHI ..........National Highway Institute
NHIPS ........National Highway Inventory and Performance Study
NHPN........ National Highway Planning Network
NHS .......... National Highway System
NHTSA ...... National Highway Traffic Safety Administration
NIMC........ National Incident Management Coalition
NIMS........ National Information Management System

(SHRP = NPDB)
NI-NHS ...... Non-Interstate National Highway System
NITL .......... National Industrial Transportation League
NITS......... National Intercity/Intercounty Travel Survey
NLC.......... National League of Cities
NM ........... Nautical Mile
NMCAC ...... National Motor Carrier Advisory Committee
NMT .......... Nonmotorized Transport
NOAA ........ National Oceanic and Atmospheric Administration
NOTAM ...... Notice to Airmen
NOX.......... Nitrogen Oxides
NPA.......... Nonprecision Approach
NPDB ........ National Pavement Database (SHRP)
NPR.......... National Performance Review
NPRM ........ Notice of Proposed Rulemaking
NPTC........ National Private Truck Council
NPTS......... Nationwide Personal Transportation Study
NQI.......... National Quality Initiative
NRC.......... National Research Council
NSB.......... National Scenic Byways
NSBC ........ National Safety Belt Coalition
NSC.......... National Safety Council
NSDI ........ National Spatial Data Infrastructure
NSMA........ National Scale Manufacturers Association
NSPE......... National Society of Professional Engineers
NTACS....... Nationwide Truck Activity and Commodity Survey
NTCIP........ National Transportation Communications for ITS Protocol
NTD........... National Transit Database
NTDB ........ National Traffic Database (SHRP)
NTIA ..........National Telecommunications and Information Administration
NTIS ..........National Technical Information Service
NTP ..........National Transportation Policy
NTS ..........National Travel Statistics
NTSB ..........National Transportation Safety Board
NTSC ..........National Transportation Systems Center (was TSC)
NTSPS ........National Transportation Strategic Planning Study
NTTIS ..........National Truck Trip Information Survey
NVF ..........New Vehicle Fleet
NVPP ........National Vehicle Population Profile (Polk)
NWS ..........National Weather Service

OAL ..........Overall Length (of vehicle)
O&M ..........Operations and Maintenance
OAT ..........Outside Air Temperature
OBC ..........On-Board Computer
OBD ..........Operation Buckle Down
OBS ..........Omni-Bearing Selector
OCC ..........Operations Control Center
O/D ..........Origin/Destination
OEM ..........Original Equipment Manufacturer
OFE ..........Other Freeway and Expressway
OHIM ..........Office of Highway Information Management
OHS ..........Office of Highway Safety
OM ..........Outer Marker
OMB ..........Office of Management and Budget
OOIDA ........Owner-Operator Independent Drivers Association
OOS ..........Out of Service
OP ..........Occupant Protection
OPA ..........Oil Pollution Act of 1990
OPA.............Other Principal Arterial
OPC ............Occupant Protection for Children
OPEC ...........Organization for Petroleum Exporting Countries
OPI..............Overall Performance Index
OST.............Office of Secretary of Transportation

P .................Terminal Serviceability
P^3..............Performance Programming Process
PA..............Precision Approach
PA..............Principal Arterial
P&A ..........Planning and Administration
P&R .............Planning and Research
PAPI............Precision Approach Path Indicator
PAR............Police Accident Report
PAS.............Principal Arterial System
PATH...........Program on Advanced Technology for the Highway
PC..............Passenger Car
PC...............Personal Computer
PCA............Portland Cement Association
PCC............Policy Coordinating Committee
PCC............Portland Cement Concrete
PCCP ..........Portland Cement Concrete Pavement
PCE.............PC Equivalent
PCI.............Pavement Condition Index
PCPH..........Passenger Cars per Hour
PCPHPL ......Passenger Cars per Hour per Lane
PCR ............Pavement Condition Rating
PDC ...........Portable Data Carrier (smart tag)
PE..............Preliminary Engineering
PE...............Professional Engineer
PFR.............Preliminary Field Review
PHF ............Peak Hour Factor
PHMS ........Pipelines and Hazardous Materials Safety Administration
PHS ............Primary Highway System (Montana)
PI ............Principal Investigator
PIARC ..........Permanent International Association of Road Congresses
PIERS .........Port Import/Export Report Service
PI&E ............Public Information and Education
PIH ..........Pan-American Institute of Highways
PIO ............Public Information Officer
PL ............Metropolitan Planning Funds
PL ............Performance Level
PLH ..........Public Lands Highways
PM ............Particulate Matter
PM–2.5 ......Particulate Matter Under 2.5 microns
PM–10 ......Particulate Matter Under 10 microns
PMCG .........Pavement Management Coordinating Group
PMS ..........Pavement Management System
PMS ..........Plant Mix Surfacing
PMSA ..........Primary Metropolitan Statistical Area
PMT ..........Person Miles of Travel
PNDS ..........Primary and NI-NHS Data Summary
PNR ..........Passenger Name Record
POB ..........Persons on Board
POE ..........Port of Entry
PPA ..........Project Plan Agreement
PPI ..........Producer Price Index
PPMS ..........Program and Project Management System
PPMV ..........Parts per Million Volumes
PR ............Park Roads and Parkways
PR ............Procurement Request
PRM ..........Proposed Rulemaking
PS&E ..........Plans, Specifications and Estimates
PS/C ..........Prestressed Concrete
PSI ..........Pounds per Square Inch
PSR ............Pavement Serviceability Rating
PSS.............Planning Systems Section
PSU ............Primary Sampling Unit
Pt..............Terminal Serviceability Index (asphalt)
PT ..........Procedure Turn
PTC ..........Permanent Traffic Counter
PTF ..........Pavement Testing Facility
PTMS.........Public Transportation Management System
PTR ..........Permanent Traffic Recorder
PTRC.........Planning and Transport Research and Computation
PTW ..........Present Travel Way
PUD ..........Planned Unit Development
PvMS.........Pavement Management System
PWIM.........Portable Weigh-in-Motion

RAIM.........Receiver Autonomous Integrity Monitoring
R&D ..........Research and Development
R&R ..........Restoration and Rehabilitation
RB ..........Rigid Body
RCC ........Rescue Coordination Center
RCE ..........Radio Control Equipment
RCI ..........Roadway Congestion Index
RCO ..........Remote Communications Outlet
RCOC ........Regional Coordinating Office Contractor (SHRP)
RCP ..........Reinforced Concrete Pipe
RCU ..........Roadside Communicator Unit
RD&T ..........Research, Development and Technology
RD&T2 ......Research Development and Test Transfer
RDF ..........Reliability Design Factor
RDS ..........Radio Data System
RDSS ..........Radio Determination Satellite Services
RDTE.........Research, Development, Test and Evaluation
REIL..........Runway End Identifier Lights
RF ..........Reference Post
RFG..........Reformulated Gasoline
RFP..........Request for Proposal
RIMS.........Regional Information Management System (SHRP)
RIN..........Regulatory Identification Number
RMI..........Radio Magnetic Indicator
RMS..........Road Mix Surfacing
RMU..........Research Management Unit
RNAV .........Area Navigation
ROD ..........Record of Decision
ROW ..........Right-of-Way
RPM..........Revenue Passenger Mile
RQCS ........Reference Quarter Car Simulation
RR ..........Refuge Roads
RRI ..........Reference Roughness Index
RSPA.........Research and Special Programs Administration
RT ..........Right Turn
RTAP.........Rural Transit Assistance Program
RTCC.........Research and Technology Coordinating Committee
RTCG .........Research and Technology Coordinating Group
RTDB ........Regional Traffic Database (LTPP)
RTEB.........Research and Technology Executive Board
RTI ..........Road Transport Informatics
RTOR .........Right Turn on Red
RTP ..........Recreational Trails Program
RTP ..........Regional Transportation Plan
RTPC.........Research and Technology Program Committee
RTRRRM ......Response Type Road Roughness Meter
RVIA..........Recreation Vehicle Industry Association
R/W ..........Right-of-Way
RWIM.........Roadway Weigh-in-Motion
RWIS.........Road Weather Information Systems
SAC.............Suburban Activity Center
SAE.............Society of Automotive Engineers
SAFETEA–LU......Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
SAR ..........Search and Rescue
SAW ............Surface Acoustic Wave
SBIR ..........Small Business Innovation Research
SCF ..........Standard Cubic Foot
SCM ..........State, County and Municipal
SCOH ..........Standing Committee on Highways (AASHTO)
SCOHT ......Subcommittee on Highway Transportation
SCOP ..........Standing Committee on Planning (AASHTO)
SCOR ..........Standing Committee on Research
SCORN ........Standing Committee on Route Naming
SCORT ........Standing Committee on Rail Transportation
SCP ..........Safety Conscious Planning
SDO ..........Standards Development Organizations
SEB ..........Stateline Entry Beacon
SEE ..........Social, Economic and Environmental factors
SF ..........Service Flow Rate, vph
SFC ..........State Funded Construction
SFL ..........Service Flow Rate per Lane, vphpl
SFR ..........Special Flight Rules
SFY ..........State Fiscal Year
SHA ..........State Highway Agency
SHAWS ......Safety Hazard Advance Warning System
SHPO ..........State Historical Preservation Officer (Montana)
SHRP ..........Strategic Highway Research Program
SHS ..........Secondary Highway System (Montana)
SHSP ..........State Strategic Highway Safety Planning
SHV ..........Specialized Hauling Vehicle
SIAP............Standard Instrument Approach Procedure
SIAP............System Impact Action Process
SID ............Standard Instrument Departure
SIGMET.......Significant Meteorological Information
SIP.............State Implementation Plan
SLSDC.........Saint Lawrence Seaway Development Corporation
SM...............Statute Mile
SMART ......State and Metropolitan Analyses of Regional
Transportation
SMS.............Safety Management System
SMS.............Space Mean Speed (harmonic average)
SN.............Asphalt strength
SN...............Structural Number
SNPRM.......Supplemental Notice of Proposed Rule Making
SOP..............State of the Practice
SOV.............Single Occupancy Vehicle
SOW............Scope of Work
SPR............State Planning and Research
SPS.............Special Pavement Studies
SRO ............Site Specific/Related/Other (SHRP code)
SRTS..........Safe Routes to School
SSD............Stopping Sight Distance
SSO.............Single State Only
SSPP...........Steel Structural Plate Pipe
SSPPA.........Steel Structural Plate Pipe Arch
STA ............State Transportation Agency
STAA ..........Surface Transportation Assistance Act (1982)
STAPPA.......State and Territorial Air Pollution Program Administrators
STAR...........Standard Terminal Arrival Route
STARS........State Truck Activities Reporting System
STB ..........Surface Transportation Board
STEAM........Surface Transportation Efficiency Analysis System
STEP ...........Selective Traffic Enforcement Program
STIP ..........Statewide Transportation Improvement Program
STP .......... Surface Transportation Program (federal funds)
STPE......... Surface Transportation Program Enhancements
STPHS....... Surface Transportation Program Hazard Elimination Program
STPP......... Surface Transportation Policy Project
STPPP........ Surface Transportation Program–Primary
STPRP....... Surface Transportation Program Rail/Highway Crossing Protective Devices Program
STPRR....... Surface Transportation Program Rail/Highway: Elimination of Hazard Program
STPS......... Surface Transportation Program–Secondary
STPU......... Surface Transportation Program–Urban
STPX......... Surface Transportation Program for Other Routes (off-system)
STR.......... State Trauma Registry
STRACNET.. Strategic Rail Corridor Network
STRAHNET . Strategic Highway Corridor Network
STRS......... Strategic Transportation Research Study
STT.......... Single-Trailer Truck
SU.......... Single-Unit Truck
SURTC....... Small Urban and Rural Transit Center
SVRD......... Single-Vehicle Roadway Departure (accident)
SWIM........ Slow-Speed Weigh-in-Motion

T2 .......... Technology Transfer
T&E......... Test and Evaluation
T-Factor...... Truck Percent in DHV
TAC .......... Technical Advisory Committee
TAC .......... Transit Advisory Committee
TAC .......... Transportation Association of Canada
TACAN ....... Tactical Air Navigation
TAD .......... Traffic Accident Data
TAP .......... Transportation Awareness Program
TAR .......... Transportation Acquisition Regulation
TAS .......... True Air Speed
TAWSE .......... Try Another Way State Employees Group
TAZ .......... Traffic Analysis Zone
TBD .......... To Be Determined
TCC .......... Transportation Computer Center
TCC .......... Transportation Coordinating Committee
TCDH .......... Traffic Control Devices Handbook
TCH .......... Threshold Crossing Height
TCM .......... Transportation Control Measure
TCP .......... Tentative Construction Plan/Program
TCP .......... Traffic Control Plan
TCRP .......... Transit Cooperative Research Program
TCSP .......... Transportation and Community and System Preservation Pilot Program
TDB .......... Traffic Database (SHRP)
TDC .......... Travel Data Center
TDCS .......... Traffic Data Collection Section
TDM .......... Transportation Demand Management
TEA-21 .......... Transportation Equity Act for the 21st Century
TEBA .......... Transportation Employees Benefit Association
TERO .......... Tribal Employment Rights Office
TERO .......... Tribal Employment Rights Ordinance
TFCU .......... Transportation Federal Credit Union
TFHRC ........ Turner-Fairbank Highway Research Center
TFT .......... Tractor Full-Trailer
THS .......... Territorial Highway System
TIA .......... Telecommunications Industries Association
TIA .......... Traffic Impact Analysis
TIFA .......... Trucks Involved in Fatal Accidents (UMTRI)
TIGER .......... Topologically Integrated Geographic Encoding and Referencing
TIN .......... Traffic Information Network
TIP .......... Transportation Improvement Program
TIP .......... Trucking Industry Profile (Polk)
TIS .......... Transportation Information System
TIUS .......... Truck Inventory and Use Survey
TL .......... Truckload
T/L .......... Traffic/Load
TMA .......... Transportation Management Association
TMC .......... Traffic Management Center
TMDL .......... Total Maximum Daily Load
TMDS ........ Traffic Monitoring Data Software
TMG .......... Traffic Monitoring Guide
TMS .......... Time Mean Speed (arithmetic average)
TOC .......... Traffic Operations Center
TOD .......... Time of Day
TOFC .......... Trailer-on-Flatcar
TONS .......... Transportation Office Network System
TRB .......... Transportation Research Board (of the NRC)
TRDF .......... Texas Research and Development Foundation
TRED .......... Transportation Regional Economic Development
TRED .......... Theodore Roosevelt Expressway Development
TRF .......... Transportation Research Forum
TRI .......... Trucking Research Institute (ATA)
TRIP .......... The Road Information Program
TRIS .......... Transportation Research Information Services
TRO .......... Trip Reduction Ordinance
TRR .......... Transportation Research Record
TRRL .......... Transportation Road Research Laboratory
TRSA .......... Terminal Radar Service Area
TSC .......... Transportation Systems Center (Now NTSC)
TSM .......... Transportation System Management
TST .......... Tractor Semi-Trailer
TTAP .......... Tribal Technical Assistance Program
TTI .......... Texas Transportation Institute
TVT ..........Traffic Volume Trends
TWC ..........Two-Way Communication
TWEB ..........Transcribed Weather Broadcast
TWS ..........Truck Weight Study
TWU ..........Transport Workers Union
TYC ..........Traffic Yearly Counts

UA ..........Urban/Urbanized Area
UBOA ..........United Bus Owners of America
UC ..........Urban Cluster
UCBITS ........University of California–Berkeley Institute of Transportation Studies
UFC ..........Uniform Freight Classification
UHF ..........Ultrahigh Frequency
UHPIP ..........Urban Highway Pilot Improvement Program
UHS ..........Urban Highway System (Montana)
UIIA ..........Uniform Intermodal Interchange Agreement
UITP ..........International Association of Public Transport
UMTA ..........Urban Mass Transportation Administration (now Federal Transit Administration)
UMTRI ..........University of Michigan Transportation Research Institute
UPN ..........Uniform Project Number
UPWP ..........Unified Planning Work Program
URISA ..........Urban and Regional Information Systems Association
USC ..........United States Code
USCC ..........United States Chamber of Commerce
USCOE ..........United States Army Corps of Engineers
USDOT ..........United States Department of Transportation
USFS ..........United States Forest Service
USFWS ..........United States Fish and Wildlife Services
USRA ..........U.S. Railway Association
UTC..............Coordinated Universal Time
UTC..............Urban Traffic Control
UTCS ..........Urban Traffic Control System
UTPS ..........Urban Transportation Planning System
UWR ..........United We Ride
UZA ..........Urbanized Area

V

V ...............Design Speed
V ................Hourly volume, vph or vphpl
VAN .............Value Added Network
VASI ..........Visual Approach Slope Indicator
V/C ..............Volume/Capacity
VDT .............Vehicle Distance Traveled
VE ...............Value Engineering
VFR .............Visual Flight Rules
VHD .............Vehicle-Hours of Delay
VHF .............Very High Frequency
VHT .............Vehicle-Hours of Travel
VIDS ..........Video Incident Detection System
VIN .............Vehicle Identification Number
VIP .............Video Image Processing
VKT .............Vehicle-Kilometers of Travel
VLF .............Very Low Frequency
VM .............Vehicle-Miles
VMC .............Visual Meteorological Conditions
VMS .............Variable Message Sign
VMT .............Vehicle-Miles of Travel
VNE .............Never Exceed Speed
VO .............Vehicle Occupancy
VOC .............Volatile Organic Compounds
VOR .............Vehicle Occupancy Rate
<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
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<tr>
<td>VOR</td>
<td>Very High Frequency Omni-Directional Range</td>
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<tr>
<td>VORTAC</td>
<td>VHF Omni-Directional Range/Tactical Air Navigation</td>
</tr>
<tr>
<td>VOT</td>
<td>VOR Test Facility</td>
</tr>
<tr>
<td>VPD</td>
<td>Vehicles per Day</td>
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<tr>
<td>VPH</td>
<td>Vehicles per Hour</td>
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<td>VPHPL</td>
<td>Vehicles per Hour per Lane</td>
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<td>VR</td>
<td>VFR Military Training Route</td>
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<td>VRC</td>
<td>Vehicle/Roadside Communications</td>
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<td>VS</td>
<td>Vehicle Speed</td>
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<td>VSC</td>
<td>Variable Speed Control</td>
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<td>V/SF</td>
<td>Volume/Service Flow</td>
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<td>VSO</td>
<td>Stalling Speed</td>
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<td>VTC</td>
<td>Volume to Capacity</td>
</tr>
<tr>
<td>VTRIS</td>
<td>Vehicle Travel Information System</td>
</tr>
<tr>
<td>Vy</td>
<td>Speed for Best Rate of Climb</td>
</tr>
<tr>
<td>WAAS</td>
<td>Wide Area Augmentation System</td>
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<tr>
<td>WAC</td>
<td>World Aeronautical Chart</td>
</tr>
<tr>
<td>WASHTO</td>
<td>Western Association of State Highway and Transportation Officials</td>
</tr>
<tr>
<td>WAVM</td>
<td>Wide-Area Vehicle Monitoring</td>
</tr>
<tr>
<td>WCTR</td>
<td>World Conference on Transport Research</td>
</tr>
<tr>
<td>WES</td>
<td>Waterways Experiment Station</td>
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<tr>
<td>WET</td>
<td>Wetland Evaluation Technique</td>
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<tr>
<td>WFL</td>
<td>Western Federal Lands</td>
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<td>WGA</td>
<td>Western Governors’ Association</td>
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<td>WHI</td>
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<td>Wireless Fidelity</td>
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<td>WIM</td>
<td>Weigh-in-Motion</td>
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<tr>
<td>WP</td>
<td>Way Point</td>
</tr>
<tr>
<td>WS</td>
<td>Weigh Station</td>
</tr>
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</table>
WTI ............Western Transportation Institute
WTO ............World Tourism Organization

ZAC ............Zone Access Control
ZEV ............Zero Emission Vehicle
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