

Transportation Acronym Guide



Montana Department of Transportation

Rail, Transit and Planning Division

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Introduction

The Montana Department of Transportation developed this guide to help decipher the confusing and seemingly endless acronyms associated with transportation planning and programs. See MDT's Internet Web site (www.mdt.mt.gov) for the most current version.

If you 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
4Es	Education, Enforcement, Emergency Medical Services and Engineering
4G	4 th Generation Wireless Systems
4R	3R + Reconstruction
5G	5 th Generation Wireless Systems

A

AAA	American Automobile Association
A/FD	Airport/Facility Directory
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	Advisory Committee
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
AD	Administrative District
ADA	Americans With Disabilities Act
ADF	Automatic Direction Finder
ADI	Automatic Driver Identification

ADIS	Advanced Driver Information Systems
ADL	Average Daily Load
ADT	Average Daily Traffic
AFB	Air Force Base
AFC	Automatic Fare Collection
AFM	Aircraft Flight Manual
AFR	Aquatic Resources Findings Report
AFSS	Automated Flight Service Station
AFV	Alternative-Fuel Vehicles
AHS	Automated Highway System
AICP	American Institute of Certified Planners
AIM	Aeronautical Information Manual
AIP	Airport Improvement Program
AIRMET	Airmen's Meteorological Information
ALAPCO	Association of Local Air Pollution Control Officials
ALF	Accelerated Loading Facility
ALS	Approach Light Systems
ALTIS	Advanced Linear Transportation Information System
AMA	American Motorcyclist Association
AMAA	Association of Montana Aerial Applicators
AME	Aquatic Mitigation Engineer
AMFA	Alternative Motor Fuels Act (1988)
AMPD	Average Miles Driven per Day
AMPO	Association of Metropolitan Planning Organizations
AMRL	AASHTO Materials Reference Lab
AMSL	Above Mean Sea Level
AMTRAK	National Railroad Passenger Corporation
ANPRM	Advanced Notice of Proposed Rulemaking
ANSI	American National Standards Institute
AOA	Agency on Aging
AOPA	Aircraft Owners and Pilots Association
AOPL	Association of Oil Pipelines
AP	Autopilot System
APC	Automated Passenger Counting
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
AST	Aboveground Storage Tank
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
AV	Autonomous Vehicles
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

B

BA	Biological Assessment
BAC	Blood Alcohol Content/Concentration

BAMS	Bid Analysis Management System
BARSAA	Bridge and Road Safety and Accountability Act
BBER	Bureau of Business and Economic Research
BC	Back Course
BCA	Benefit-Cost Analysis
Bcf	Billion cubic feet
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
BO	Biological Opinion
BOL	Bill of Lading
BPR	Bureau of Public Roads
BR	Bridge Replacement and Rehabilitation Program (federal funds)
BRR	Biological Resources Report
BST	Bituminous Surface Treated
BTS	Bureau of Transportation Statistics
BWIM	Bridge Weigh-in-Motion

C

C/B	Cost-Benefit
C/M	Climate/Materials
CA	Cooperative Agreement
CAA	Clean Air Act
CAAA	Clean Air Act Amendments 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

CBD	Central Business District
CBI	Computer-Based Instruction
CBP	Customs and Border Protection
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
CEIC	Census & Economic Information Center
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
CGPA	Council of Governor's Policy Advisors
CHRIS	Chemical Hazard Response Information System
CHSP	Comprehensive Highway Safety Plan
CI	Congestion Index
CIH	Compensated Intercorporate Hauling
CIM	Civil Integrated Management
CIMA	Construction Industry Manufacturers Association
CIP	Capital Investment Plan
CL	Carload
CLC	Concentrated Load Capacity
CLF	Conservation Law Foundation
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 (US Army)
COFC	Container-on-Flatcar
COG	Council of Government
CoMS	Congestion Management System
COTS	Commercial off-the-Shelf
CP	Cathodic Protection
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
CSS	Context Sensitive Solutions
CTAA	Community Transportation Association of America
CTAF	Common Traffic Advisory Frequency
CTC	Community Transportation Coordinator
CTEP	Community Transportation Enhancement Program (Montana Program)
CTIPS	Comprehensive Transportation Information and Planning System
CTPP	Census Transportation Planning Package
CTS	Commodity Transportation Survey
CTSP	Community Transportation Safety Plan
CU	Combination Unit (Trucks)
CUTA	Canadian Urban Transit Association
CUTC	Council of University Transportation Centers
CVIS	Commercial Vehicle Information System
CVO	Commercial Vehicle Operations
CVSA	Commercial Vehicle Safety Alliance
CWA	Clean Water Act

D

D	Depth (slab thickness)
DA	Decision Altitude
DA	District Administrator
DB	Design Build
DB	District Biologist
DBE	Disadvantaged Business Enterprise

DDHV	Directional DHV
DEAL	Design Equivalent Axle Load
DEQ	Department of Environmental Quality (Montana)
DES	Disaster and Emergency Services
DESAL	Design Equivalent Single-Axle Load
DF	Direction Finder
D-Factor	Peak Directional Volume (as percent DHV)
DH	Decision Height
DHTM	Design Hour Turning Movements
DHV	Design Hour Volume = $K * AADT$ (usually 30th highest hour)
DIM	Dimension in Motion
DIME	Dual Incidence Matrix Encoded Files (like TIGER but 1980)
DL	Driver Licensing
DME	Distance Measuring Equipment
DOD	Department of Defense
DOE	Department of Energy
DOI	Department of the Interior
DOR	Department of Roads
DOT	Department of Transportation
DP	Instrument Departure Procedure
DRGS	Dynamic Route Guidance System
DRL	Daytime Running Lights
DRP	Data Review Package
DUATS	Direct User Access Terminal System
DUI	Driving Under the Influence
DVKT	Daily Vehicle Kilometers of Travel
DVMT	Daily Vehicle Miles Traveled
DWI	Driving While Intoxicated

E

EA	Emphasis Area
EA	Environmental Assessment
EAA	Experimental Aircraft Association
EAL	Equivalent Axle Load(ing)
EAS	Essential Air Service
EBL	Electronic Bill of Lading (or placarding)
EDS	Electronic Data Sharing
EF	Equivalent Single-Axel Load Factor
EFAS	En Route Flight Advisory Service
EFT	Electronic Funds Transfer
EIA	Electronic Industries Association

EIA	Energy Information Administration
EIA	Environmental Impact Assessment
EIS	Emergency Information System
EIS	Environmental Impact Statement
EIT	Engineer in Training
ELD	Electronic Logging Device
ELP	Electronic License Plate
ELT	Emergency Locator Transmitter
ELT	Executive Leadership Team
EMS	Equipment Management System
EPA	Environmental Protection Agency
EPACT	National Energy Policy Act (1992)
EPS	Engineering Project Scheduler
ER	Emergency Relief Program
ERG	Emergency Response Guide
ESA	Endangered Species Act
ESAL	Equivalent Single-Axle Load
ETA	Expected/Estimated Time of Arrival
ETC	Electronic Toll Collection
ETC	Environmental Training Center
ETD	Estimated Time of Departure
ETE	Estimated Time En Route
ETG	Expert Task Group
ETTM	Electronic Toll and Traffic Management
EV	Electric Vehicle
EWL	Equivalent Wheel Load

F

F&PB	Family and Personal Business Travel
FA	Area Forecast
FAA	Federal Aviation Administration
FAF	Final Approach Fix
FAF4	Freight Analysis Framework version 4
FAI	Federal-Aid Interstate
FAP	Federal-Aid Primary (eliminated by ISTEA)
FARS	Fatality Analysis Reporting System (NHTSA)
FAST	Fixing America's Surface Transportation Act
FASTLANE	Fostering Advancements in Shipping and Transportation for the Long-term
FAU	Federal-Aid Urban (eliminated by ISTEA)
FC	Functional Classification

FCC	Federal Communications Commission
FCCLA	Family, Career and Community Leaders of America
FD	Financial District
FDC	Flight Data Center
FEBBS	FHWA Electronic Bulletin Board System
FERC	Federal Energy Regulatory Commission
FET	Federal Excise Tax
FFY	Federal Fiscal Year (October 1 – September 30)
FH	Forest Highways
FHMR	Federal Hazardous Materials Regulations
FHWA	Federal Highway Administration
FIP	Federal Implementation Plan
FLAP	Federal Lands Access Program
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
FWP	Fish, Wildlife & Parks (Montana)
FY	Fiscal Year

G

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
GNC	Great Northern Corridor
GNCC	Great Northern Corridor Coalition
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
HDD	Horizontal Directional Drilled
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
HHFT	High Hazard Flammable Trains
HIAP	Highway Investment Analysis Package
HIRL	High Intensity Runway Lights
HITEC	Highway Innovative Technology Evaluation Center
HM	Hazardous Materials
HMR	Hazardous Materials Regulation
HNDES	Highway Network Design and Evaluation System
HOC	Highway Online Claims
HOV	High Occupancy Vehicle
HP&R	Highway Planning and Research
HPA	High Priority Area
HPMS	Highway Performance Monitoring System
HPNPA	High Priority National Program Area
HPR	Highway Planning and Research
HRDC	Human Resource Development Council
HRRR or HR3	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
HSSRA	Highway State Special Revenue Account
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
HVL	Highly Volatile Liquids
HVM	Heavy Vehicle Management
HVUT	Heavy Vehicle Use Tax
HYSIM	Highway (Driving) Simulator
Hz	Hertz

I

I	Interstate
I&M	Inspection and Maintenance
IAF	Initial Approach Fix
IAG	Interagency Agreement
IANA	Intermodal Association of North America
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)
ICED	Increased Canadian Economic Development
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
ISA	Initial Site Assessment
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 Administration)
ITS	Institute of Transportation Studies (University of California–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

J

JARC	Job Access/Reverse Commute
Jct	Junction
JIT	Just-in-Time
JOC	Job Order Contract

K

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

L

L&D	Loss and Damage
LAAS	Local Area Augmentation System
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
LRTP	Long Range Transportation Plan
LS	Lump Sum
LSF	Load Safety Factor
LSWIM	Low-Speed Weigh in Motion (< 10 mph)
LT	Left Turn
LTAP	Local Technical Assistance Program
LTE	Long-Term Evolution (telecommunications)
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
MAP-21	Moving Ahead for Progress in the 21st Century
MARAD	Maritime Administration
MATA	Montana Aviation Trades Association
MAWDT	Monthly Average Weekday Traffic
MAWET	Monthly Average Weekend Traffic
MCA	Montana Code Annotated
MCA	Montana Contractors' Association
MCARS	Motor Carrier Accident Reporting System
MCL	Maximum Contaminant Level
MCM	Motor Carriers of Montana
MCMIS	Motor Carrier Management Information System
MCOM	Multistate Corridor Operations and Management
MCR	Monthly Classification Ratio
MCREGIS	Motor Carrier Regulation Information System
MCS	Motor Carrier Services
MCSAP	Motor Carrier Safety Assistance Program
MDA	Minimum Descent Altitude
MDD	Multi-Depth Deflectometers
MDOW	Monthly Day of Week (Traffic)
MDT	Montana Department of Transportation
MEA	Minimum En Route Altitude
MEPA	Montana Environmental Policy Act
MET	Billings Metropolitan Transit
METAR	Aviation Routine Weather Report
MFF	Montana Flying Farmers
MFRS	Mileage Facilities Reporting System
MFSA	Montana Major Facilities Siting Act
MFWP	Montana Fish Wildlife and Parks
MHP	Montana Highway Patrol
MHz	Megahertz
MIRL	Medium Intensity Runway Lights
MIT	Mobile Inspection Trailer
ML	Mainline
MLS	Microwave Landing System
MM	Middle Marker

MMCA	Montana Motor Carrier's Association
MMS	Maintenance Management System
MOA	Memorandum of Agreement
MOA	Military Operations Area
MOCA	Minimum Obstruction Clearance Altitude
MOE	Measure of Effectiveness
MOM	Montana Operating Manual
MOU	Memorandum of Understanding
MOV	Multiple-Occupant Vehicle
MP	Milepost
MPA	Montana Pilots' Association
MPG	Miles per Gallon
MPH	Miles per Hour
MPO	Metropolitan Planning Organization
MRA	Minimum Reception Altitude
MRL	Montana Rail Link
MRM	Mileage Reference Marker
MRTMA	Missoula-Ravalli Transportation Management Association
MS2	Mid-Western Software Solutions (Traffic Software)
MSA	Metropolitan Statistical Area
MSA	Minimum Safe Altitude
MSF	Maximum Service Flow Rate, pcphpl
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

N

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
NAGHSR	National Association of Governors Highway Safety Representatives
NAPA	National Asphalt Pavement Association
NAPCOM	National Pavement Cost Model
NAPSR	National Association of Pipeline Safety Representatives
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)
NHFN	National Highway Freight Network
NHFP	National Highway Freight Program
NHI	National Highway Institute
NHIPS	National Highway Inventory and Performance Study
NHPB	National Highway System Bridge Program
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	Non-precision Approach
NPDB	National Pavement Database (SHRP)
NPMRDS	National Performance Management Research Data Set
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
NTP	Notice to Proceed
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

O

O&M	Operations and Maintenance
O/D	Origin/Destination
OAL	Overall Length (of vehicle)
OAT	Outside Air Temperature
OBC	On-Board Computer
OBD	Operation Buckle Down
OBS	Omni-Bearing Selector
OCC	Operations Control Center
OCR	Optical Character Recognition
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
OPS	Office of Pipeline Safety
OS/OW	Oversize/Over Weight
OST	Office of Secretary of Transportation

P

P	Terminal Serviceability
P&A	Planning and Administration
P&R	Planning and Research
P3	Performance Programming Process
PA	Precision Approach
PA	Principal Arterial
PAPI	Precision Approach Path Indicator
PAR	Police Accident Report
PAS	Principal Arterial System
PATH	Program on Advanced Technology for the Highway
PC	Personal Computer
PC Equivalent	Passenger Car Equivalent
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
PCS	Pavement Condition Survey
PDC	Portable Data Carrier (smart tag)
PE	Preliminary Engineering
PE	Professional Engineer
PFR	Preliminary Field Review
PH	Peak Hour Factor
PHMS	Pipelines and Hazardous Materials Safety Administration
PHS	Primary Highway System (Montana)
PI	Principal Investigator
PI&E	Public Information and Education
PIARC	Permanent International Association of Road Congresses
PIERS	Port Import/Export Report Service
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	Port of Montana

PM-10	Particulate Matter Under 10 microns
PM-2.5	Particulate Matter Under 2.5 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
PP	Petroleum Products
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
PRB	Powder River Basin
PRM	Proposed Rulemaking
PS&E	Plans, Specifications and Estimates
PS/C	Prestressed Concrete
PSC	Public Service Commission (Montana)
PSI	Pounds per Square Inch
PSR	Pavement Serviceability Rating
PSU	Primary Sampling Unit
Pt	Terminal Serviceability Index (asphalt)
PT	Procedure Turn
PTC	Permanent Traffic Counter
PTC	Positive Train Control
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
PVR	Per Vehicle Record
PWIM	Portable Weigh-in-Motion

R

R&D	Research and Development
R&R	Restoration and Rehabilitation
R/W	Right-of-Way
RA	Rest Areas
RAIM	Receiver Autonomous Integrity Monitoring
RAQS	Rail, Air Quality & Studies
RB	Rigid Body
RBSL	Risk-based Screening Level
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
RFG	Reformulated Gasoline
RFP	Request for Proposal
RFQ	Request for Qualifications
RHGCP	Rail Highway Grade Crossing Program
RI	Ride Index
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
RP	Reference Post
RPC	Regional Planning Commission
RPM	Revenue Passenger Mile
RQCS	Reference Quarter Car Simulation
RR	Refuge Roads

RRI	Reference Roughness Index
RSA	Road Safety Audit
RSCC	Rail Service Competition Council
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
RTRRM	Response Type Road Roughness Meter
RVIA	Recreation Vehicle Industry Association
RWIS	Road Weather Information Systems

S

S/HWS	Solid/Hazardous Waste Specialist
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
SIMS	Safety Information Management System
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
SOAR	Safe on All Roads
SOP	State of the Practice
SOQ	Statement of Qualifications
SOS	Scope of Service
SOV	Single Occupancy Vehicle
SOW	Scope of Work
SPA	Stream Protection Act
SPA 124	Montana Stream Protection Act 124
SPCC	Spill Prevention, Control and Countermeasures
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
STPP	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
SUE	Subsurface Utility Engineering
SUP	Shared Use Plan
SUP	Statewide and Urban Planning
SURTC	Small Urban and Rural Transit Center
SVRD	Single-Vehicle Roadway Departure (accident)
SWDAR	Source Water Delineation & Assessment Report
SWIM	Slow-Speed Weigh-in-Motion
SWOT	Strengths, Weaknesses, Opportunities, and Threats

T

T&E	Test and Evaluation
T/L	Traffic/Load
T2	Technology Transfer
TA	Transportation Alternatives
TAC	Technical Advisory Committee

TAC	Transit Advisory Committee
TAC	Transportation Association of Canada
TACAN	Tactical Air Navigation
TAD	Traffic Accident Data
TAM	Transit Asset Management
TAMP	Transportation Asset Management Plan
TAP	Transportation Alternative Program
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
TBGW	Transportation Border Working Group
TBS	Traffic By Sections
TCC	Transportation Computer Center
TCC	Transportation Coordinating Committee
TCDH	Traffic Control Devices Handbook
TCDS	Traffic Count Database System
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
TDCA	Traffic Data Collection & Analysis Section
TDM	Transportation Demand Management
TDM	Travel Demand Model
TDMS	Traffic Data Management System
TEA-21	Transportation Equity Act for the 21st Century
TEBA	Transportation Employees Benefit Association
TERO	Tribal Employment Rights Office
TERO	Tribal Employment Rights Ordinance
T-Factor	Truck Percent in DHV
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	Transportation Investment Generating Economic Recovery
TIGER	Topologically Integrated Geographic Encoding and Referencing
TIMS	Transportation Injury Mapping System
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
TMA	Transportation Management Association
TMC	Traffic Management Center
TMDL	Total Maximum Daily Load
TMG	Traffic Monitoring Guide
TMP	Transportation Management Plan
TMS	Time Mean Speed (arithmetic average)
TNM	Traffic Noise Model
TOC	Technical Oversight Committee
TOC	Traffic Operations Center
TOD	Time of Day
TOFC	Trailer-on-Flatcar
TONS	Transportation Office Network System
TPCC	Transportation Policy Coordinating Committee
TPF	Transportation Pooled Fund
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)
TSEP	Treasure State Endowment Program
TSM	Transportation System Management
TST	Tractor Semi-Trailer
TTAC	Transportation Technical Advisory Committee
TTAP	Tribal Technical Assistance Program

TTI	Texas Transportation Institute
TTTR	Truck Travel Time Reliability
TVT	Traffic Volume Trends
TWC	Two-Way Communication
TWEB	Transcribed Weather Broadcast
TWS	Truck Weight Study
TWU	Transport Workers Union
TYC	Traffic Yearly Counts

U

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
UP	Union Pacific
UPAS	Utility Permitting Administration System
UPN	Uniform Project Number
UPP	Urban Pavement Preservation
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	US Railway Association
UST	Underground Storage Tank
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/C	Volume/Capacity
V/SF	Volume/Service Flow
V2I	Vehicle to Infrastructure
V2V	Vehicle to vehicle
VAN	Value Added Network
VASI	Visual Approach Slope Indicator
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
VOF	Vehicle Occupancy Factor
VOR	Vehicle Occupancy Rate
VOR	Very High Frequency Omni-Directional Range
VORTAC	VHF Omni-Directional Range/Tactical Air Navigation
VOT	VOR Test Facility
VPD	Vehicles per Day
VPH	Vehicles per Hour
VPHPL	Vehicles per Hour per Lane
VR	VFR Military Training Route
VRC	Vehicle/Roadside Communications
VS	Vehicle Speed
VSC	Variable Speed Control

VSL	Variable Speed Limit
VSO	Stalling Speed
VTC	Volume to Capacity
VTRIS	Vehicle Travel Information System
VY	Speed for Best Rate of Climb

W

WAAS	Wide Area Augmentation System
WAC	World Aeronautical Chart
WASHTO	Western Association of State Highway and Transportation Officials
WAVM	Wide-Area Vehicle Monitoring
WBWG	Western Border Working Group
WCTR	World Conference on Transport Research
WES	Waterways Experiment Station
WET	Wetland Evaluation Technique
WFL	Western Federal Lands
WGA	Western Governors' Association
WHI	Western Highway Institute
WiFi	Wireless Fidelity
WIM	Weigh-in-Motion
WP	Way Point
WS	Weigh Station
WS	Wetland Specialist
WSFC	Western States Freight Coalition
WTI	Western Transportation Institute
WTO	World Tourism Organization

Z

ZAC	Zone Access Control
ZEV	Zero Emission Vehicle

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