



CORRIDOR

MASTER PLAN

APPENDIX C

**ITS ACRONYMS**



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Founded in 1988, Mobility 2000 was an informal assembly of industry, university, and government representatives created to promote the use of advanced technologies to improve highway safety and efficiency. The initiative was formalized in 1991, when the Intermodal Surface Transportation Efficiency Act (ISTEA) was enacted, and the national Intelligent Vehicle Highway System (IVHS) program was established. A growing sense soon developed in the IVHS community, especially in the public transit arena, that “intelligent vehicle highway systems” did not embrace all the transportation modes addressed in the national IVHS program. In 1994, the national IVHS program was renamed the Intelligent Transportation System (ITS), to clarify the multi-modal intent.

The I-70 Rural IVHS Corridor Planning and Feasibility Analysis was initiated and funded when the national program was known as IVHS. Due to the familiarity with the term IVHS among the stakeholders involved, and the time and expense that would be required to change the study’s name in the contract documents, the original title was retained. References within the Information Search, and other documents, will use IVHS and ITS interchangeably. Most references will be to ITS unless a specific project or document carries the IVHS designation in its formal title.

Acronyms are often used to identify ITS technologies and applications. Those commonly used ITS-related acronyms, and other abbreviations, referred to in this document are defined below.

<b>AASHTO</b>	American Association of State Highway and Transportation Officials
<b>AAWS</b>	Animal Alert Warning System
<b>ADA</b>	Americans With Disabilities Act
<b>ADAS</b>	Atlanta Driver Advisory System
<b>AFMS</b>	Advanced Freeway Management Systems
<b>AHAR</b>	Automatic Highway Advisory Radio
<b>AHS</b>	Automated Highway System
<b>AM</b>	Amplitude Modulation
<b>AM</b>	Automated Mapping
<b>APTS</b>	Advanced Public Transportation Systems
<b>ARTS</b>	Advanced Rural Transportation Systems
<b>ASCE</b>	American Society of Civil Engineers
<b>ASTM</b>	American Society of Testing and Materials
<b>ATAF</b>	American Trucking Association Foundation
<b>ATIS</b>	Advanced Traveler Information Systems
<b>ATMS</b>	Advanced Traffic Management Systems
<b>AVC</b>	Automatic Vehicle Classification
<b>AVCS</b>	Advanced Vehicle Control Systems
<b>AVI</b>	Automatic Vehicle Identification
<b>AVL</b>	Automatic Vehicle Location system



<b>BLM</b>	Bureau of Land Management
<b>BPS</b>	Bits Per Second (data transmission rate)
<b>CAAA</b>	Clean Air Act Amendments
<b>CAD</b>	Computer Aided Dispatch
<b>CASTA</b>	Colorado Association of Transit Agencies
<b>CATI</b>	Colorado Advanced Technology Institute
<b>CC-TV</b>	Closed-Circuit Television
<b>CDOT</b>	Colorado Department of Transportation
<b>CIMC</b>	Colorado Incident Management Coalition
<b>CMCA</b>	Colorado Motor Carriers Association
<b>CML</b>	Colorado Municipal League
<b>CMS</b>	Changeable Message Signs
<b>CMS</b>	Congestion Management System
<b>CPU</b>	Central Processing Unit
<b>CS</b>	Communications Systems Functional Area/Action Team Review Group
<b>CSP</b>	Colorado State Patrol
<b>CTC</b>	Colorado Transportation Commission
<b>CTI</b>	Colorado Transportation Institute
<b>C-TMC</b>	Colorado Transportation Management Center
<b>CVO</b>	Commercial Vehicle Operations
<b>DATIS</b>	Dulles Area Traveler Information System
<b>DCA</b>	Data Collection/Aggregation Functional Area/Action Team Review Group
<b>DIA</b>	Denver International Airport
<b>DRCOG</b>	Denver Regional Council of Governments
<b>DTD</b>	Division of Transportation Development
<b>EAP</b>	Early Action Project
<b>EI</b>	Environmental/Economic Impact Functional Area/Action Team Review Group
<b>ER</b>	Emergency Response Functional Area/Action Team Review Group
<b>ET</b>	Education/Training Functional Area/Action Team Review Group
<b>ETC</b>	Electronic Traffic Control
<b>ETTM</b>	Electronic Toll and Traffic Management
<b>FAA</b>	Federal Aviation Administration
<b>FCC</b>	Federal Communications Commission
<b>FHWA</b>	Federal Highway Administration
<b>FIR</b>	Field Inspection Review
<b>FLA</b>	Federal Lands Highway Program
<b>FM</b>	Frequency Modulation
<b>FMS</b>	Freeway Management Systems
<b>FMS</b>	Fixed Message Sign
<b>FOR</b>	Final Office Review
<b>FRA</b>	Federal Railroad Administration



<b>FTA</b>	Federal Transit Administration
<b>FTMS</b>	Freeway Traffic Management Systems
<b>GIS</b>	Geographic Information Systems
<b>GOCO</b>	Great Outdoors Colorado
<b>GPS</b>	Global Positioning Systems
<b>HAR</b>	Highway Advisory Radio
<b>HELP</b>	Heavy Equipment License Plate
<b>HOV</b>	High Occupancy Vehicle
<b>IDEA</b>	Innovations Deserving Exploratory Analysis
<b>IEEE</b>	Institute of Electrical and Electronic Engineers
<b>II</b>	Institutional Issues Functional Area/Action Team Review Group
<b>IMC</b>	Incident Management Coalition
<b>IMIS</b>	Integrated Motorist Information System
<b>IRD</b>	International Road Dynamics
<b>ISO</b>	Intermountain Standards Organization
<b>ISTEA</b>	Inter-modal Surface Transportation Efficiency Act
<b>ITE</b>	Institute of Transportation Engineers
<b>ITI</b>	Intelligent Transportation Infrastructure
<b>ITS</b>	Intelligent Transportation Systems (formerly IVHS)
<b>ITOC</b>	Interim Traffic Operations Center
<b>IVHS</b>	Intelligent Vehicle Highway Systems (presently ITS)
<b>LCD</b>	Liquid Crystal Display
<b>LED</b>	Light-Emitting Diode
<b>LEO</b>	Low-Earth Orbit (Satellite)
<b>MnDOT</b>	Minnesota Department of Transportation
<b>MOA</b>	Memorandum of Agreement
<b>MOU</b>	Memorandum of Understanding
<b>MPO</b>	Metropolitan Planning Organization
<b>NCHRP</b>	National Cooperative Highway Research Program
<b>NEMA</b>	National Electrical Manufacturers Association
<b>NII</b>	National Information Infrastructure
<b>NHS</b>	National Highway System
<b>NHTSA</b>	National Highway Traffic Safety Association
<b>NOAA</b>	National Oceanic and Atmosphere Administration
<b>NPP</b>	National Program Plan
<b>NTSC</b>	National Television Standards Committee
<b>NWRCOG</b>	Northwest Regional Council of Governments
<b>NWS</b>	National Weather Service



<b>OSI</b>	Open Systems Interconnect
<b>OVMD</b>	Optical Vehicle-Motion Detector
<b>PIO</b>	Public Information Officer
<b>PCN</b>	Personal Communications Network
<b>POE</b>	Port Of Entry
<b>PPP</b>	Public/Private Partnerships Functional Area/Action Team Review Group
<b>PSCo</b>	Public Service Company of Colorado
<b>PTAM</b>	Public Transportation/Alternative Mode Functional Area/Action Team Review Group
<b>RAFTA</b>	Roaring Fork Transit Agency
<b>RDSO</b>	Radio Data System Operations
<b>RF</b>	Radio Frequency
<b>RICC</b>	Regional Incident Control Center
<b>RTD</b>	Regional Transportation District (Denver area public transportation authority)
<b>RTP</b>	Regional Transportation Plan
<b>SAE</b>	Society of Automotive Engineers
<b>SCADA</b>	Supervisory Control and Data Acquisition Systems
<b>SOV</b>	Single Occupancy Vehicle
<b>SSTC</b>	Summit Stage Transfer Center
<b>STIP</b>	Statewide Transportation Improvement Plan
<b>SW</b>	Safety and Warning Functional Area/Action Team Review Group
<b>TCC</b>	Transportation Commission of Colorado
<b>TDM</b>	Transportation Demand Management
<b>TIP</b>	Transportation Improvement Plan
<b>TIS</b>	Traveler Information Systems Functional Area/Action Team Review Group
<b>TMC</b>	Transportation Management Center
<b>TMO</b>	Traffic Management/Operations Functional Area/Action Team Review Group
<b>TOC</b>	Traffic Operations Center
<b>TRB</b>	Transportation Research Board
<b>TSM</b>	Transportation Systems Management
<b>TSCS</b>	Traffic Surveillance and Control Systems
<b>TWP</b>	Twisted Pair (communications medium cable, usually copper)
<b>UHF.</b>	Ultra High Frequency (television subcarrier broadcast)
<b>USFS</b>	United States Forest Service
<b>VGTC</b>	Vail/Gypsum Transit Center
<b>VHF</b>	Very High Frequency (television subcarrier broadcast)
<b>VIDS</b>	Video Image Detection System
<b>VMS</b>	Variable Message Signs
<b>VMT</b>	Vehicle Miles Travelled



**WHI**  
**WIM**  
**WIVIS**

Western Highway Institute  
Weigh-in-Motion  
Weather Identifier and Visibility System