



CORRIDOR
MASTER PLAN
APPENDIX A
**RELATED PLANS, PROGRAMS,
ORGANIZATIONS, AND REFERENCES**



ENTERPRISE Program. Colorado is the administering state for the ENTERPRISE group, a multi-state and international consortium dedicated to collaborative research and testing of ITS technologies. The focus of the ENTERPRISE Program has shifted from the development of statewide strategic plans to developing and selecting ITS projects and technologies for implementation. The ENTERPRISE Program is a mechanism in which the I-70 West Corridor stakeholders should coordinate with, and learn from, the technological and institutional experiences of other states with similar needs and interests as those within the I-70 West Corridor. The ENTERPRISE Program can provide a means to identifying potential cost-sharing opportunities through the initiation of joint technical projects between Colorado and the other constituent member states.

Operation TimeSaver. As traffic volumes continue to increase and congestion levels worsen, ITS are the most efficient and plausible means for increasing network capacity and reducing travel times. The goal of the Operation Timesaver program is to build an Intelligent Transportation Infrastructure (ITI) throughout the United States, able to support various ITS. The recently passed National Highway Systems legislation will aid in the development of an ITI. Specific ITS technologies considered for deployment under Operation Timesaver include:

- Computerized traffic signal control systems.
- Freeway management systems.
- Transit management systems.
- Incident management systems.
- Electronic fare and toll payment systems.
- Regional multi-modal traveler information centers.
- Railroad grade crossing warning systems.
- Emergency management systems.

Operation Timesaver is intended to bring ITS into the mainstream of transportation solutions and encourage the routine state and local deployment of these technologies. The program will require federal, state, and local agencies to work with the private sector in the development and implementation of ITS and an ITI. Operation Timesaver is intended to represent the U.S. Department of Transportation's (US DOT) commitment to aggressively support states' efforts to deploy ITS, thus encouraging private technology companies to enter into ITS/ITI development and implementation. The US DOT will provide oversight and aid in the development of standards, provide training and education for technologies and innovative financing mechanisms, and set up an on-line clearinghouse (web site) to provide ITS information on technical developments and model legislation passed in various states, under the Operation Timesaver program.

National Highway System (NHS). The NHS, a 155,000 mile system spanning across the United States, is the principal highway portion of the national transportation system that is essential to linking modes and facilities. The NHS, the most extensive national system of its kind in the world, was initially planned in the 1940's and 1950's. In the late 1980's, Federal, State and local transportation officials joined with other Federal departments and private sectors to develop ways to address the transportation needs of the Nation. The NHS is the economic lifeline of the nation that enables movement of goods as well as provides means for a travel industry to thrive.



“ The purpose of the NHS is to provide an interconnected system of principal arterial routes which will serve major population centers, international border crossings, ports, airports, public transportation facilities, and other intermodal transportation facilities and other major travel destinations; most defense requirements; and serve interstate and interregional travel”

-Title 23, United States Code, Section 103

Enhancement Programs. ISTEA authorized approximately \$3 billion for Transportation Enhancement Activities (TEAS), including historic preservation, ‘bicycle and pedestrian facilities, and scenic beautification. The programs encourage diverse modes of travel, increase the community benefits of transportation investment, strengthen partnerships between State and local governments, and promote citizen involvement in transportation decisions that directly affect their daily lives. These enhancement projects are as follows:

- Facilities for bicycles and pedestrians.
- Acquisition of scenic easements and scenic or historic sites.
- Scenic or historic highway programs.
- Landscaping and other scenic beautification.
- Historic preservation.
- Rehabilitation and operation of historic transportation buildings, structures, or facilities.
- Preservation of abandoned railway corridors.
- Control and removal of outdoor advertising.
- Archeological planning and research..
- Mitigation of water pollution due to highway runoff.

NATIONAL/FEDERAL ORGANIZATIONS

American Road & Transportation Builders Association (ARTBA). A national federation representing the transportation construction industry. The association seeks to ensure federal support for national transportation projects, particularly highway systems, and monitors federal legislation for unnecessary regulations. ARTBA membership includes individuals and firms in the following divisions: contractors, planning and design, transportation, officials, materials and services, traffic safety, public-private ventures, education, and manufactures.

Contact: T. Peter Ruane, President/CEO, American Road & Transportation Builders Association, The ARTBA building, 1010 Massachusetts Avenue, N.W., Washington, D.C. 20001, Telephone (202) 289-4434, Fax (202) 289-4435.

American Trucking Association (ATA). A national organization comprised of motor carriers and their suppliers throughout the United States. The ATA seeks to improve the safety and efficiency of the trucking industry through “future-oriented research, education and promotion.” The association assists state trucking associations by conducting public policy and economic analysis. Additionally, the ATA conducts research on a variety of issues in respect to trucking operations, including: driver fatigue; alternate; incident management; computing and communications technologies; and real-time traffic information.



Contact: David K. Willis, Senior Vice President, ATA Foundation, 2200 Mill Road, Alexandria, VA 223 14-4677, Telephone (703) 8381966.

Bureau of Land Management (BLM). The BLM, established July 16, 1946, oversees more than 270 million acres of public lands that are located primarily in the West and Alaska. The basic organization consists of a headquarters in Washington, D.C.; a Service Center in Denver, Colorado; a Fire Center in Boise, Idaho; and a Training Center in Phoenix, Arizona. Responsibilities include mineral management on the public land and subsurface resource management where mineral rights are owned by the Federal government resource management. Resources include timber, solid minerals, oil and gas, geothermal energy, wildlife habitat, endangered plant and animal species. With a public involvement process, land use plans are developed in orderly use, that maintain and enhance the quality of the environment. The Bureau oversees and manages the development of energy and mineral leases, ensures regulation compliance, is responsible for the survey of Federal lands, as well as establish and maintain claim records for public lands and mining.

Contact: Department of Interior, Colorado State Office, 2850 Youngfield, Lakewood, CO, Telephone (303) 239-3600.

Environmental Protection Agency (EPA). The EPA was established in the executive branch as an independent agency pursuant to Reorganization Plan No. 3 of 1970 (5 U.S.C. appl), effective December 2, 1970. It was created to permit coordinated and effective governmental action on behalf of the environment. The Agency is design to serve as the public's advocate for a livable environment. The EPA protects and enhances our environmental today and for future generations to the fullest extent possible under the laws enacted by Congress. The Agency's mission is to control and abate pollution in the areas of air, water, solid waste, pesticides, radiation, and toxic substances. Its mandate is to mount an integrated, coordinated attack on environmental pollution in cooperation with State and local governments.

Contact: Office of Communications, Education and Public Affairs, Environmental Protection Agency, 401 M Street S.W., Washington, D.C., 20460; (202) 260-7963

Federal Highway Administration (FHWA). The Federal Government, through the Department of Transportations, FHWA provides guidance to the State highway agencies in developing their highway facilities. States initiate the projects, but FHWA is responsible for review and approval at key stages when Federal-aid highway funds are to be used in financing a project.

Contact: Vincent F. Schimmoller, Administrator, FHWA, Colorado Division, 555 Zang, Room 400, Lakewood, CO 80228, Telephone (303) 969-6722, Fax (303) 969-6727.

Office of Traffic Management and Intelligent Transportation Systems (ITS) Applications. This office is responsible for the development and implementation of traffic management and traveler information systems. The office develops the national goals, policies, legislation, and guidance for traffic management and traveler information systems in an attempt to mainstream these ITS services and strategies and provide intermodal connectivity and mobility. The Office of Traffic Management and ITS Applications provides guidance, technical assistance, training, outreach, and support FHWA offices, State and local public agencies, and the private sector. The



office oversees major ITS grant programs including Operational Tests, Priority Corridors, and Early Deployment Planning.

Contact: Susan Lauffer, Director, Telephone (202) 366-0372.

Office of Safety and Traffic Operations Research and Development, ITS Research Divisions. This office is responsible for planning and conducting traffic safety research and development for ITS, traffic operations, highway geometries, and roadside appurtenances with other FHWA offices, Federal agencies, State highway agencies, universities, consortiums, private industry, and other entities concerned with transportation safety.

Contact: Lyle Saxton, Office Director, FHWA Office of Safety and Traffic Operations Research and Development ITS Research Divisions, Telephone (703) 285-2021.

Office of Motor Carriers, Commercial Vehicle Technology Division. This office facilitates the development and deployment of commercial vehicle operations (CVO) ITS projects as well as develops and maintains ITS standards, in coordination with the JPO, related to CVO user services. The office advises the JPO on CVO system architecture requirements for federally funded ITS/CVO systems.

Contact: Steve Crane, Task Force leader, FHWA Office of Motor Carriers, Commercial Vehicle Technology Division, Telephone (202) 366-0950.

Region 8 (FHWA-R8). This region include Colorado, Montana., North Dakota, South Dakota, Utah, and Wyoming. This region encompasses several rural states and the Rocky Mountains which involves responsibilities that are not included with other regions.

Contact: Vincent F. Schimmeller, Administrator, FHWA, 555 Zang Street, Room 400, Lakewood, CO 80228, Telephone (303) 969-6722.

Federal Lands Highway (FLH). The Federal Lands Highway Program is an adjunct to the Federal-Aid Highway Program, administers highway programs in cooperation with Federal land managing agencies. It provides transportation engineering services for planning, design, construction, and rehabilitation of the highways and bridges on or providing access to federally owned lands. The Federal Lands Highway organization also provides training, technology, engineering services, and products to other customers.

Contact: Chief, Program and Administration Division, 400 7th Street., SW, Washington, DC, Telephone (202)366-9486, Fax (202)366-7495.

Federal Transit Administration (FTA). The Federal Transit Administration seeks to improve public mass transit as one of the agencies operating within the United States Department of Transportation. The administration is the primary source of funding for the planning, development, and improvement of public mass transportation systems at the federal, state, and local levels. Funding is provided through the Federal Transit Act.



Contact: Gordon J. Linton, Administrator, FTA, 400 Seventh Street, S.W., Washington, D.C., 20590, Telephone (202) 366-4043.

Office of Technical Assistance and Safety, Advanced Public Transportation Systems (APTS) Division. This division is responsible for advising the FTA on APTS and ITS issues. The division conducts research and operational tests on new technologies in APTS, encouraging the development and mainstreaming of these systems. The office works with Federal, State, and local officials and public/private transportation providers. The APTS Division supports the public transportation perspective within ITS.

Contact: Dennis Symes, Acting Division Chief, FTA Office of Technical Assistance and Safety, Advanced Public Transportation Systems Division, Telephone (202) 366-0232.

Region 8 office. The FTA is organized into 10 regions throughout the country, to provide regional service. Region 8 encompasses the state of Colorado, Montana, Utah, North Dakota, South Dakota, Wyoming, Nevada, and Arizona.

Contact: Louis F. Mraz, Jr., FTA, Region 8 Administrator, Columbine Place, 216 Sixteenth Street, Suite 650, Denver, CO 80202-5120, Telephone (303) 844-3242, Fax (303) 844-4217.

Intelligent Transportation Society of America (ITS America). A nonprofit educational and scientific society intended to foster and coordinate public/private partnerships for advanced technologies used in transportation systems and coordinate the development and deployment of ITS in the United States. In addition to development and deployment, ITS America is involved with setting standards and defining safety, legal, and institutional issues for ITS technologies. The Society also serves as a critical clearinghouse for information relating ITS. Membership includes federal, state, local, and foreign government agencies, national and international corporations, universities, independent research organizations, and various other organizations involved in ITS. ITS America maintains various state and regional chapters (ITS Rocky Mountain is a regional chapter including Colorado). Previous to 1990, ITS America was known as the Intelligent Vehicle-Highway Society of America (IVHS AMERICA).

Contact: ITS America, 400 Virginia Ave., S.W., Suite 800, Washington, D.C. 20024, Telephone (202) 484-4847, Fax (202) 484-3483.

Advanced Rural Transportation Systems Technical Committee. The Coordination Council of ITS AMERICA established the Advanced Rural Transportation Systems (ARTS) Technical Committee in January 1993. ITS AMERICA and all IVHS supporters established this functional category to specifically address the vastly different issues associated with the rural transportation system. The ARTS Technical Committee membership is composed of a chair, secretary, and ITS AMERICA staff representative; a 17 member Steering Committee; an approximate 100 percent general membership from federal, state, and local governments, academia, and the private sector.

Contact: Suzanne Stack, Secretary, ARTS Committee, Telephone (202)366-2620.



Intelligent Transportation Systems Management Council. This council provides overall policy guidance for the national ITS program. The council reviews the budget and annual program recommendations of the Joint Program Office (JPO) and ensures that there are adequate resources and finances to accomplish the ITS recommendations. It is the responsibility of the ITS Management Council to generate strategies and performance measures for the national ITS program.

Contact: Mortimer L. Downey, Chair, Deputy Secretary of Transportation.

Intelligent Transportation Systems Strategic Planning Group. This planning group provides the planning and program guidance for the national ITS program. The ITS Strategic Planning Group provides budget and program direction recommendations to the Joint Project Office (JPO). The group provides expertise and advice on the various ITS functional areas while ensuring that specific program objectives are implemented.

Contact: Christine M. Johnson, Director of the Joint Program Office for Intelligent Transportation Systems, Telephone (202) 366-0372.

Joint Program Office (JPO) for Intelligent Transportation Systems. Established in May 1994, at the recommendation of the US DOT initiated report, A Review of the DOT Management Approach for Intelligent Vehicle-Highway Systems (Volpe Center, May 1994), the JPO serves as the "principal architect and executor of ITS leadership." The JPO is intended to provide an efficient means to direct national ITS programs. The JPO provides leadership for ITS research, development, testing, and deployment in the areas of budgeting, communications, market research issues, institutional issues, architecture, and standards; guides policy coordination; and ensures resource accountability.

Contact: Christine M. Johnson, Director of the Joint Program Office for Intelligent Transportation Systems, Telephone (202) 366-0372.

National Automated Highway System Consortium (NAHSC). This consortium was developed to specify, develop, and demonstrate a prototype Automated Highway System (AHS) by the year 2002. Concern for the public perception of numerous ITS studies and little ITS deployment projects, has prompted a need to implement more ITS technologies. The NAHSC is accomplishing this end in the area of AHS. The Consortium will develop specifications to provide for the development of AHS meeting both regional and local transportation needs. The Consortium is also tasked with reaching a national consensus on major AHS issues resulting in a technically, economically, and socially viable AHS.

Contact: National Automated Highway System Consortium, 3001 West Big Beaver Road, Suite 500, Troy, MI 48084.

National Highway Traffic Safety Administration (NHTSA). Established by the Highway Safety Act of 1970, this administration implements safety programs under the National Traffic and Motor Vehicle Safety Act of 1966 and the Highway Safety Act of 1966 and consumer programs under the Motor Vehicle Information and Cost Savings Act. The administration is responsible for reducing the number of deaths, injuries, and amount of economic loss resulting from vehicular accidents. This is accomplished through standards and safety programs. NHTSA contracts studies out to private industry, educational institutions, and non-profit organizations.



Contact: Christopher A. Hart, Acting Administrator, National Highway Traffic Safety Administration, Office of Contracts and Procurement (NAD-30), 400 7th Street, S.W., Washington, D.C. 20590, Telephone (202) 366-0607.

Office of Crash Avoidance Research. This office provides leadership for the crash avoidance portion of the ITS program. The office continually demonstrates that advanced technologies in the field of crash avoidance can improve the safety of a transportation system, developing performance guidelines and evaluating systems. The Office of Crash Avoidance Research is also tasked with the responsibility to ensure that there is no loss of safety as crash avoidance systems are deployed in vehicles.

Contact: William A. Leasure, Jr., Director, National Highway Traffic Safety Administration, Office of Crash Avoidance Research, Telephone (202)366-5662.

Region VIII. There are 10 NHTSA Regional Offices throughout the United States. Region VIII encompasses Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming.

Contact: Louis R. DeCarolis, Regional Administrator, NHTSA Regional Administrator, 555 Zang Street, 4th Floor, Denver, CO 80228, Telephone (303) 969-6917, Fax (303) 969-6294.

National Park Service (NPS). The NPS was established in the Department of the Interior on August 25, 1916. The NPS is dedicated to conserving, unimpaired, the cultural resources and values of the National Park System for the enjoyment, education, and inspiration of this and future generations. The Service is also responsible for managing a great variety of national and international programs designed to help extend the benefits of natural and cultural resource conservation and outdoor recreation throughout this country and the world. Activities include the development and implementation of park management plans and staffs the area under its administration. It relates the natural values and historical significance of these areas to the public through talks, tours, films, exhibits, publications, and other interpretive media. It operates campgrounds and other visitor facilities and provides--usually through concessions--lodging, food, and transportation services in many areas.

Contact: Chief, Office of Public Affairs, National Park Service, Department of the Interior, P.O. Box 37127, Washington, D.C. 20013-7127; (202) 208-6843.

Turner Fairbanks Research Center (TFRC). The FHWA's mission for this research center plans and conducts research and development on all aspects of intelligent transportation systems, traffic operations, safety considerations in cooperation with State highway agencies, other Departmental offices, Federal agencies, universities, consortiums, private industry, and others. The function of this center is to

- develop advanced techniques, control strategies, and designs for traffic management and control systems including signal, freeway, and corridor systems;
- develop and apply new traffic simulation models for accurately representing and evaluating advanced control system operation, including dynamic routing for traffic;



- develop systems and techniques for improving driver guidance, orientation, and safety by means of in-vehicle motorist information and communication systems;
- develop improved techniques and/or systems of vehicle detection, communications, instrumentation, and other electronic type highway devices and control hardware;
- develop and evaluate electronic systems to promote the safety and efficiency of commercial vehicle operations (CVO);
- develop the required highway-based counterparts to advance vehicle control systems;
- develop and analyze advanced electronic system concepts and designs aimed at future highway transportation needs;
- participate in the sponsorship and conduct of cooperative engineering research programs with industrial, governmental, consortiums, university researchers, and with other national and international organizations; and
- maintain and operate in-house laboratories including: (1) an electronics laboratory which provides electronic support services to other elements within R&D and FHWA, and (2) a traffic software laboratories

Contact: Lyle Saxton, Office Director, (703) 285-2021.

United States Department of Transportation (US DOT). The recent restructuring of the US DOT confirms Intelligent Transportation Systems as a federally-supported program that relies on state, regional, and local initiatives to deploy inoperable advanced technology applications in all transportation systems throughout the country. The US DOT, formerly comprised of 10 separate agencies having jurisdiction over highways FHWA, mass transit (FTA), traffic safety (NHTSA), aviation (Federal Aviation Administration--FAA), passenger and freight rail (Federal Railroad Administration--FRA), maritime shipping (Maritime Administration--MARAD), pipelines (Research and Special Programs Administration--RSPA), transportation statistics (Bureau of Transportation Statistics--BTS), and waterway safety and national defense (United States Coast Guard--USCG), according to Secretary of Transportation Federico Pena, will function as a "single intermodal administration... [that]... will provide enormous benefits for our customers. As the transportation systems in this nation are becoming increasingly integrated and seamless, this department is also integrating its functions to stimulate and support these changes."

Three agencies have surfaced as a result of the consolidation: FAA, USCG, and a new Inter-modal Transportation Administration (ITA). The ITA includes the functions performed by FHWA, PTA, FRA, MARAD, NHTSA, RSPA, and USCG bridge permitting.

United States Forest Service (USFS). The service manages the National Forest System of over 191 million acres in 44 states, the Virgin Islands, and Puerto Rico that include 155 national forests, 20 national grasslands, and 8 land utilization projects, on the basis of multi-use and sustained yield. The services manages protection of these forest areas against wildfire, disease epidemics and insects pests, erosion, floods, and water and air pollution. The service provides national leadership and financial and technical assistance to non-federal forest landowners, operators, processors of forest products, and urban forestry interests. It also cooperates with the Soil Conservation Service, the Agricultural Stabilization and Conservation Services, and other USDA agencies to provide leadership and technical assistance for the forestry aspects of conservation programs. Keeping updated on available technologies, the service performs basic and applied research to develop



scientific information that will allow for protection and management to sustain the Nation's overall 1.6 billion acres of forest and rangelands. The USFS is managed under the United States Department of Agriculture.

Contact: Public Affairs Office, Forest Service, Department of Agriculture, P.O. Box 96090, Washington, D.C., 20090-6090; (202) 720-3760.

United States Fish and Wildlife Service (USFWS). The USFWS responsibility in the service of fish, wildlife, and people spans more than 120 years to the establishment in 1981 of a predecessor agency, the Bureau of Fisheries. A second predecessor agency, the Bureau of Biological Survey, was established in 1885. In 1939 the two Bureaus and their functions were transferred to the Department of the Interior. They were consolidated into one agency and redesignated the Fish and Wildlife Service in 1940. In 1956 the Fish and Wildlife Act created the United States Fish and Wildlife Services and provided for it to replace and succeed the former Fish and Wildlife Service. By an act of Congress in April 1974, the service was again reorganized and renamed as the United States Fish and Wildlife Service.

The USFWS is responsible for migratory birds, endangered species, certain marine mammals, and inland sport fisheries. Its mission is to conserve, protect, and enhance fish and wildlife and their habitats for the continuing benefit of the American People. Within this framework, the Service strives to foster an environmental stewardship ethic based on ecological principles and scientific knowledge of wildlife; works with the States to improve the conservation and management of the Nation's fish and wildlife resources; and administers a national program providing opportunities to the American public to understand, appreciate, and wisely use these resources.

Contact: Office of Public Affairs, United States Fish and Wildlife Service, Department of the Interior, Washington, DC, 20240. Telephone (202) 208-5634.

INTERSTATE PROGRAMS

COVE. The Cove project (CVO Institutional Barriers Study) represents a coordinated study of seven states (Arizona, Arkansas, Colorado, Louisiana, New Mexico, Oklahoma, and Texas) that examines and identifies the institutional barriers relating to the free flow of commercial vehicles within each state and across state boundaries. State working groups and a regional working group are working together to develop strategies to reduce or eliminate unnecessary institutional barriers. The study will outline recommendations for each state and region as to specific solutions and a phased plan toward implementing such actions.

Contact: Richard Mango, Colorado Department of Transportation, 4201 E. Arkansas Avenue, Room 212, Denver, CO 80222, Telephone (303)757-9261, Fax (303) 757-9271. Greg Fulton, Colorado Motor Carriers Association.

HELP/Crescent. The Heavy Vehicle Electronic License Plate Program (HELP) was a multi-state, multi-national research project testing Automatic Vehicle Identification (AVI), Automatic Vehicle Classification (AVC) and Weigh-In-Motion (WIM) technologies. When HELP went into the testing phase it was called the Crescent Project. This project was completed on September 30,



1993. The Crescent Project included the interstates I-5, I-10, and I-20 in the states of Washington, Oregon, California, Arizona, New Mexico, and Texas, as well as British Columbia. It equipped approximately 2,000 trucks with transponders. Information from AVI, AVC, and WIM was collected centrally and disseminated to the participating states for use in credential checking, weight enforcement, and planning and to motor carriers for use in fleet management. The ultimate goal of HELP was to develop a transportation system where commercial vehicles can travel between various states, passing through weigh stations and ports-of-entry unabated.

ITS Rocky Mountain. A newly formed chapter of ITS America focusing on the urban and rural transportation issues of the Rocky Mountain region. The Rocky Mountain region consists of the following seven states: Colorado, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming. ITS Rocky Mountain provides a forum for private companies, government agencies, student associates, and members of the public concerned with the efficiency and safety of transportation facilities and infrastructures within the Rocky Mountain region. The chapter is also intended to provide a stronger presence of the organizations within the Rocky Mountain region at the national level.

Contact: Gregory D. Krueger, President ITS Rocky Mountain Chapter, Kaman Sciences Corporation, 1500 Garden of the Gods Road, P.O. Box 7463, Colorado Springs, CO 80933-7463, Telephone (719) 599-1780, Fax (719) 599-1387.

Electronic One-Stop Shopping. The purpose of the Electronic One Stop Shopping project is to streamline administrative credential processes at the state level while also improving data exchange and communications with commercial vehicle operators. The end result of implementation of this project will be substantial cost and time savings to the trucking industry and participating states. In addition, our project will improve consistency and also bring a level of uniformity to the overall process. This project is a multi-state effort with substantial private sector investment and clearly addressed the intent and spirit of the IVHS Operational Test Program, as envisioned by FHWA.

STATEWIDE PLANS

C-Star Strategic Plan for IVHS in Colorado. The C-Star program, Colorado's initiative of coordinated ITS research, development, demonstration, and deployment, is an integrated program that combines ongoing transportation system improvement activities with new ITS efforts. The C-Star Strategic Plan discusses the enabling technologies and objectives of various ITS subsystems, provides an overview of current ITS activities in Colorado, and identifies program costs and potential funding sources. The C-Star Strategic Plan sets the stage for ITS research and development projects in Colorado, and the C-Star documentation is a valuable reference for the I-70 Rural IVHS study in examining ways in which Colorado can incorporate technological advancements into its existing and future transportation infrastructure. In return, the I-70 Rural IVHS study is important to the C-Star program in that the results of the study will be transferrable to planned ITS implementations on other major highways within the scope of the C-Star program, such as I-25 and I-76.

Smart Path - The Intelligent Transportation System in Colorado. While the C-Star program presents the range of ITS options available to the state of Colorado, Smart Path provides a program of specific implementations. The Smart Path program identifies specific near-term statewide and



regional ITS projects, along with associated costs, benefits, and time frames, which satisfy Colorado's high priority transportation needs. The Smart Path projects provide the I-70 Rural IVHS study with a baseline of potential projects for the I-70 Corridor, and supplies data to facilitate consistency among planning initiatives. Several of these projects were recommended as Early Action Projects for immediate implementation, and others are identified in the Implementation Plan for short, medium-, or long-term deployment. The Smart Path program also provides an implementation forum between CDOT regions to share project ideas, foster communications, and develop uniformity between systems on a statewide basis.

STATEWIDE PROGRAMS/PROJECTS

Colorado Incident Management Coalition. Incident management is a system-wide process to mitigate traffic congestion resulting from incidents on highways, through coordinated, pre-planned use of human, technological, and institutional resources to reduce the duration and impact of incidents. The Colorado Incident Management Coalition is a multi-disciplinary group which represents a wide variety of agencies and corporations that are involved in the task of responding to roadway incidents. To serve as a foundation for efforts to improve incident management on Colorado highways, the Coalition recommended a number of actions which aim to minimize traffic delays, increase incident response efficiency, and secure public cooperation. The Coalition's recommendations provide valuable input for, and assessment of, system-wide incident management requirements for the I-70 Corridor.

Colorado Traffic Management Center (C-TMC). The C-TMC represents a central traffic management operations center for the metropolitan area which will efficiently manage traffic on the major transportation corridors with the metropolitan area. With the use of detection devices to monitor real time traffic operations, TMC operators can analyze traffic situations and react keep the freeway network flowing freely as possible. This overall highway management technique is designed to reduce traffic delays by increasing the awareness of accidents and incidents as well as allowing work crews to respond more quickly to solve the problems.

Commercial Vehicle Operations Geographic Information. A fully operations geographic information system (GIS) integrating a variety of truck-related information has been developed by CDOT in conjunction with the Western Regional office of American Trucking Association Foundation. This system contains traffic and truck volume information, POE locations, CDOT Regional boundaries, hazardous materials and nuclear routes, restricted structures, in addition to other forms of information that is displayed in both graphic and text formats to serve as an easy to use resource for the state and trucking industry.

Commercial Vehicle Operations (CVO) Plan for Colorado. CDOT in conjunction with the Colorado Department of Revenue's Port of Entry Division is currently developing a CVO Plan that will outline proposed ITS actions for the next 10 years that will incorporate CVO activities currently being conducted within their own agencies as well as other agencies in the state. The completed plan will be included in the C-Star IVHS Plan for Colorado.



Denver Metropolitan Area IVHS. CDOT, in conjunction with a consultant, performed a study of the Denver Metro Area that recommends solutions using ITS technologies. The study includes an Early Action Plan, Strategic Plan, Master Plan, and a Communications Plan.

Denver Mobility Management Plan. CDOT, DRCOG, RTD, and the Air Pollution Control Division have completed the Mobility Management element of the 2010 Regional Transportation Plan. This Plan focuses on strategies to improve air and water quality, reduce energy consumption and mitigate noise impacts.

Dynamic Truck Speed Warning for Long Downgrades. Using the awarded IVHS Operational Test Funds, 1993, the dynamic warning system for trucks was developed that can identify safe operating speeds for passing trucks on long downgrades. The project involves the use of weigh-in-motion technology and a computer algorithm to determine appropriate downhill speeds for vehicles. Based upon the configuration and weight of the passing vehicle, the system recommends a safe operating speed which transmitted across a variable message sign so the driver can adjust their speed of their vehicle prior to the descent. The partners for this project include CDOT, International Road Dynamics, and the Colorado Motor Carriers Association.

Effects of Geometric Characteristics of Interchanges on Truck Safety. This study (by CDOT, Colorado Transportation Institute, American Trucking Association Foundation, FHWA) examines the statistical relationship between interchange geometries and the safety history of large trucks. The study provides further evaluation of possible geometric changes that would adequately accommodate these large trucks. The study includes long and short term strategies which mitigate problems at identified interchanges.

Model Port of Entry Project. The Model Port of Entry, Trinidad, Colorado, project was one of the first IVHS projects. It included development and implementation of a mainline truck bypass port of entry on I-25 and now serves as a prototype for automating the remaining ports in the state in the future. This port now allows northbound trucks, equipped with transponders, that are within legal weight limits and possess appropriate credentials, to remain on the highway and bypass the Trinidad Port. Partners in this project include CDOT, Colorado Department of Revenue-Port of Entry and FHWA.

Contact: Richard Mango, Colorado Department of Transportation, 4201 E. Arkansas Avenue, Room 212, Denver, CO 80222, Telephone (303)757-9261, Fax (303) 757-9271.

SWIFT - Statewide Transportation Planning Process. The CDOT state transportation plan is based on the Transportation Planning Region (TPR) concept, in which a 20-year Regional Transportation Plan (RTP) will be developed for each of the state's 15 TPRs (five of which are MPOs). Colorado state statute provides rural areas equal opportunities for regional planning as metropolitan areas have through the Metropolitan Planning Organizations (MPO). Complementary to the State's requirements, the ISTEA legislation sets forth specific requirements for public involvement in the statewide and metropolitan transportation planning process, to ensure proactive, open, and interactive opportunities throughout the transportation planning process. The Statewide Improvements for Transportation (SWIFT) are the guidelines developed by CDOT for implementing public involvement in the statewide planning process. SWIFT is the overall transportation



development process from which long-range, intermodal plans will emerge. The ITS planning process is a subset of the State's planning activities, therefore development of the I-70 ITS Implementation Plan must be closely correlated with Colorado's statewide and metropolitan planning processes.

Statewide Transit Planning Program. CDOT has long promoted development in transit services for its rural and non-urban areas, and encourages the preparation and periodic updating of Transportation Development Programs (TDP) as a planning tool to guide the development of transit services. The TDP is representative of the Statewide Transit Planning Program which incorporates the efforts of planners, local officials, and community interest groups to design and implement the best transit service possible. For a given area, the TDP planning process analyzes the current transit environment, identifies the need for transit, develops alternatives to meet the transit needs, and selects the best alternatives for implementation. TDP documentation provides important reference information for the I-70 Rural IVHS study, including current information pertaining to transit service needs and opportunities, useful demographic data, and an inventory of transportation service providers.

Statewide Management Systems. Within the ISTEA, it is required that each state establish, develop, and implement six inter-related management systems. The management systems are an integrated set of tools that identify and predict overall system condition, performance indicators, and needs in order to assist decision-makers with investment decisions. The management systems are critically linked to the statewide planning process. The management systems are not only major information sources for system needs, strategies, and recommendations critical to strategic planning efforts, the management systems also provide feedback assessing the effectiveness of plans once planning decisions have been made. The management systems mandated under ISTEA that are related to the I-70 Rural IVHS study, and their current status in Colorado, include: Safety (pending), Congestion (completed), Public Transportation (in progress), and Intermodal (in progress). The action plans developed for each of these management systems will guide the State's long-range ITS planning efforts and short range ITS initiatives, including the I-70 Rural IVHS study.

Statewide Rail Corridor Feasibility Study. CDOT, in cooperation with local governments around the state, is testing to see if passenger rail service is feasibility in selected railroad corridors throughout Colorado. At least 15 corridors have been identified for study. Many of these corridors are along the Front Range and others connect our larger cities to our mountain resort communities. To test this idea, they will be looking at the implications of building and operating passenger rail service including: estimating ridership numbers; examining existing tracks to see if they are suitable for passenger rail; estimating costs to build and operate passenger service; evaluating environmental impacts; looking at potential station sites; and developing an Action Plan for a possible passenger rail demonstration project.

Contact: Dave Ruble, Colorado Department of Transportation, 4201 E. Arkansas Avenue, Denver, CO 80222, Telephone (800) 464-7247.



STATE ORGANIZATIONS

Colorado Department of Local Affairs. This department's major functions are to help strengthen local governments through a variety of community development activities involving training, technical and financial assistance, and advocacy.

Office of Emergency Management. This office develops and maintains a state emergency operations plan. The purpose of the plan is to reduce the personal injury, loss of life, and property damage resulting from a disaster or emergency through methods of preparedness. The plan addresses natural, technological, and national security disasters and emergencies at the federal, state, local, and private levels.

Contact: Tom Grier, Department of Local Affairs, Office of Emergency Management, 15075 South Golden Road, Golden, CO 80401-3979, Telephone (303) 273-1783, Fax (303) 273-1795.

Colorado Tourism Board. This board is involved in the promotion and public awareness of state tourist attractions.

Contact: Bill Timmermeyer, Department of Local Affairs, Tourism Board, Centennial Building, Room 323, 1313 Sherman Street, Denver, CO 80203, Telephone (303) 866-2771, Fax (303) 866-2251.

Colorado Department of Natural Resources. This Department is tasked with the responsibility to develop and protect land, energy, mineral, water, wildlife, and outdoor recreation resources, through its various divisions.

Division of Parks and Outdoor Recreation. This Division plans, develops and operates 40 state parks throughout the state. The division coordinates statewide trails with the federal and local trail systems. The division is responsible for the registration, licensing, and certification of boats, snowmobiles, river outfitters, and off-highway vehicles. The Colorado Natural Areas Program is found under this division, designating over 80 acres throughout Colorado, of unique biological, ecological, and geological features.

Contact: Laurie Mathews, Department of Natural Resources, Division of Parks and Outdoor Recreation, Centennial Building, 6th Floor, 1313 Sherman Street, Denver, CO 80203, Telephone (303) 866-3437, Fax (303) 866-3206.

Division of Wildlife (CDOW). The division is directed by an eight member commission appointed by the Governor to develop policies and regulations. The division is responsible for preventing the decline of wildlife in Colorado. The division acquires wildlife habitat and monitors public use and enjoyment of the 113 species of sport game, 35 species of sport fish, and 750 species of nongame wildlife in the state. The division manages 80 wildlife areas (over **264,000** acres).

Contact: John W. Mumma, Department of Natural Resources, Division of Wildlife, 6060 Broadway, Denver, CO 80216, Telephone (303) 297-1192, Fax (303) 294-0874.



Colorado Department of Public Health and Environment. The department administers environmental protection activities, health and medical care regulation activities in health facilities, and provides special health services for group in need. It includes the State Board of Health, Health Statistics and Vital Records Division, Health Facilities Division, Disease Control and Epidemiology Division, Family and Community Health Services Division, Emergency Medical Services Division, Prevention Programs Division, Office of Environment, Air Pollution Division, Water Quality Division, Consumer Protection Division, Radiation Control Division, Radiation Control Division, and Hazardous Materials and Waste Management Division.

Contact: Patti Shwayder, Acting Executive Director, Department of Public Health and Environment, 4300 Cherry Creek Drive South, Denver, CO 80222-1530, Telephone (303) 692-2100, Fax (303) 782-0095.

Division of Hazardous Materials and Waste Management. Hazardous waste policies and regulations are developed by a nine member commission tasked to protect the public health and environment. The division manages the disposal of hazardous and nonhazardous liquid and solid wastes in an effort to prevent and control health hazards and pollution of the environment. All companies which generate, treat, store, transport, or dispose of hazardous wastes must have permits and undergo compliance inspections.

Contact: Howard Roitman, Department of Public Health and Environment, Office of Environment, Hazardous Materials and Waste Management Division, 4300 Cherry Creek Drive South, Denver, CO 80222-1530, Telephone (303) 692-3300, Fax (303) 759-5355.

Colorado Department of Public Safety. This department major functions address the maintenance of public safety by providing technical assistance on law enforcement matters to state and local governmental agencies, and to enforce state and to enforce state laws relating to public safety. The department was created, in 1984, in an effort to bring public safety agencies previously housed in three executive departments together under single administrative entity. This department includes Colorado Bureau of Investigation, the Colorado State Patrol, the Criminal Justice Division, and the Fire Safety Division.

Contact: Pat Ahostrom, Executive Director, 700 Kipling Street, Suite 3000, Denver, CO 80215, Telephone (303) 239-4398, Fax (303) 239-4506

Colorado State Patrol. This agency has the responsibility for enforcing all state laws relating to motor vehicles and highway safety. The duties include establishing an index of stolen and recover vehicles; dealing with abandoned vehicles; serving warrants; making arrests; enforcing criminal law as it relates to highways; providing motorist assists; presenting safety and educational programs; policing the state fair; providing executive and legislative security; improving motor carrier safety; stopping vehicles to examine permits for the carrying of livestock; routing of hazardous materials; and enforcing the transportation of hazardous and nuclear materials.



Contact: Colonel Lonnie J. Westphal, Chief, Department of Public Safety, Colorado State Patrol, 700 Kipling Street, Suite 3000, Denver, Co 80215, Telephone (303) 239403, Fax (303) 239-481.

Colorado State Patrol Hazardous Materials Section. This section of the CSP enforces state and federal laws concerning the transportation of hazardous materials. This section also provides emergency response services to accidents involving these materials. This section is responsible for the permitting and routing of vehicles carrying hazardous materials within the state.

Fire Safety Division. This division is responsible for coordinating fire prevention, protection and investigation, and emergency response between state and local governments. The division is also a clearinghouse for fire safety information, including the handling of hazardous materials.

Contact: Paul Cooke, Department of Public Safety, Division of Fire Safety, 700 Kipling Street, Suite 1200, Denver, CO 80215, Telephone (303) 239-4463, Fax (303) 239-4405.

Colorado Department of Revenue. This state department provides a unified tax collection and enforcement system. Important to the transportation community, the department enforces tax laws, oversees vehicle laws for driver's licensing, vehicle emissions testing and driver improvement, and helps to set the standards for medical and vision requirements for automobile drivers. The department collects the following transportation related taxes: RTD sales/use tax, tourism promotion tax, gasoline and special fuel taxes, passenger mile tax, PUC fixed utility fees, and mass transit system tax.

Information Technology. This division provides support and services for information technology and data processing for the Department of Revenue. One of the objectives of the division is to provide "a program of research, development, and implementation of state-of-the-art technology related to information technology requirements." Such a department can be a useful ally in the development and deployment of advanced technology transportation systems.

Contact: Ron McNutt, Department of Revenue, Information Technology, Capitol Annex Building, Room 742, 1375 Sherman Street, Denver, CO 80261, Telephone (303) 866-2721, Fax (303) 866-2270.

Motor Vehicle. The division is responsible for developing state motor vehicle laws involving licensing, accident reporting, information services, and registration. The division also licenses and regulates commercial vehicles, emissions stations, and inspection personnel.

Contact: Dee Hartman, Department of Revenue, Motor Vehicle, 140 West 6th Ave, Room 100, Denver, CO 80204, Telephone (303) 572-5653, Fax (303) 620-4962.

Ports of Entry. This division operates 11 ports of entry throughout Colorado as well as 10 mobile ports of entry. The division collects the passenger mile tax for commercial vehicles transporting more than 14 passengers, in addition to assisting in the collection of warrants issued by the state for various trucking industry taxes. The division assists in the enforcement of: the Public Utilities Commission (PUC) commercial haulers permits; the Department of



Transportation gross and axle weights, and size of vehicles traveling the roadways; and the Department of Agriculture farm products handler licenses and verification of health inspections for livestock. The division enforces the vehicle and equipment safety standards for commercial vehicles and operators and is involved in the permitting system for the transportation of hazardous materials.

Contact: Phil Vasquez, Department of Revenue, Ports of Entry, 516 Acoma Street, Denver CO, Telephone (303) 572-5690, Fax (303) 572-5764.

Colorado Division of Telecommunications. The duties and responsibilities of the Division of Telecommunication include combined efforts with the state departments, institution, and agencies to formulate recommendations for a current and long-range telecommunication plan, involving telephone, radio, microwave, facsimile close circuit and cable television, teleconferencing, public broadcast, data communications transmission circuits, fiber optics, satellites, and cellular radio and their integration into applicable telecommunications networks, for approval of the executive director of the department of administration and the governor. Additionally, they administer the approved current and long-range plan for telecommunications and exercise general supervision over all telecommunications networks, systems, and microwave facilities.

Contact: Roy Jantzen, Colorado Division of Telecommunications, Telephone (303)866-3245.

Colorado Department of Transportation (CDOT). This state organization coordinates various modes of transportation in the state and manages and supervises the state highway system. Created in 1991, it assumes the function of the Department of Highways and the aeronautical units previously housed in the Department of Military Affairs. The Transportation Commission, an eleven-member body appointed by the Governor, is the policy-making entity for most of the divisions within the organization. Other division and offices include Office of Transportation Safety; Division of Engineering, Design, and Construction; Division of Highway Operations and Maintenance; Division of Transportation Development; Aeronautical Board; and Aeronautics Division.

Contact: Guillermo V. Vidal, Executive Director, Colorado Department of Transportation, 4201 East Arkansas Avenue, Room 262, Denver CO 80222, Telephone (303) 757-9201, Fax (303) 757-9656.

Chief Engineer. Contact: Bill Reisbeck, Department of Transportation, Chief Engineer, for Operations and Maintenance, 4201 East Arkansas Avenue, Room 262, Denver CO 80222, Telephone (303) 757-9204, Fax (303) 757-9656.

Financial Management and Budget. Contact: Tom Tahnadge, Department of Transportation, Financial Management and Budget, 4201 East Arkansas Avenue, Room 235, Denver CO 80222, Telephone (303) 757-9262, Fax (303) 757-9090.

ITS Program Office. Established to administer Intelligent Transportation System (ITS) activities in Colorado, CDOT ITS Program Office is divided into three sections: Research and Implementation, Statewide ITS, and the Traffic Operations Center (TOC).



The Research and Implementation Section leads the CDOT ITS Research/Implementation Program activities, including the development and management of ITS research projects and ITS strategic planning with which the I-70 Rural IVHS study must coordinate. As program administrator for the ENTERPRISE group, this section provides inroads to the group's progress in public and private outreach interests. This section also supports mitigation of the political and institutional barriers to ITS which may be encountered during the I-70 implementation.

The Statewide ITS Section will oversee implementation of the I-70 Rural IVHS study recommendations, and develop specifications for the various projects implemented. This section's involvement in ITS marketing, and with the formation of public/private partnerships, will be useful in realizing the I-70 Corridor ITS objectives of public/private acceptance and economic growth.

Legislative Liaisons. Contact: Glenn Vaad, Department of Transportation, Legislative Liaisons, 4201 East Arkansas Avenue, Room 229, Denver CO 80222, Telephone (303) 757-9483, Fax (303) 757-9717.

Office of Policy. Contact: Carla Perez, Department of Transportation, Office of Policy, 4201 East Arkansas Avenue, Room 226, Denver CO 80222, Telephone (303) 757-9772, Fax (303) 757-9717.

Public Information. Contact: Dan Hopkins, Department of Transportation, Legislative Liaisons, 4201 East Arkansas Avenue, Room 277, Denver CO 80222, Telephone (303) 757-9469, Fax (303) 757-9153.

Transportation Commission. This 11 member board, appointed by the Governor, is responsible for the policy making for most of the divisions within the Department of Transportation. Policies, aimed to meet the transportation needs of the state, include rules and regulations concerning the construction and maintenance of public highways as well as other modes of transportation.

Contact: Glenn Vaad, Department of Transportation, Transportation Commission, 4201 East Arkansas Avenue, Room 229, Denver CO 80222, Telephone (303) 757-9483, Fax (303) 757-9717.

Transportation Development. This division conducts statewide transportation planning for highway transportation, rail, mass transit, bicycle, and pedestrian. The division collects transportation data and conducts research.

Contact: Jennifer Finch, Department of Transportation, Transportation Development, 4201 East Arkansas Avenue, Room 262, Denver CO 80222, Telephone (303) 757-9525, Fax (303) 757-9656.

Transportation Safety. This office administers traffic safety activities throughout the state. The office is in charge of distributing the Federal Highway Safety Act funds to both state and



local agencies. The Transportation Safety Office also administers Colorado's Law Enforcement Assistance Fund to enforce drunk driving laws.

Contact: John E. Conger, Department of Transportation, Legislative Liaisons, 4201 East Arkansas Avenue, West Annex, Denver CO 80222, Telephone (303) 757-9381, Fax (303) 757-9439.

Colorado Transportation Institute. This institute of the Department of Transportation is responsible for the research and development of multi-modal transportation systems in the state and the environmental impact of such systems. Research is directed by the Department of Transportation and performed by Colorado State University, University of Colorado (CU)--Denver, CU--Boulder, the Colorado School of Mines, and the University of Southern Colorado.

CDOT Regions. CDOT Regions 1, 3, and 6 have jurisdiction over and ties to one another in the management, operations, and maintenance of the I-70 West Corridor from Denver to Glenwood springs.

CDOT Region 1

Headquarters. Located at 18500 East Colfax Avenue, Aurora, Colorado 80011, (303) 757-9371); Regional Director, John Unbewust. Departments include: Construction, Materials, Preconstruction, Traffic, and EEO Office.

Maintenance. Shops and Field Offices.

Aurora Maintenance, Section 5	18500 East Colfax Avenue, Aurora, CO 80011
Arapahoe County Residency	359 Inverness Drive, South, Suite K, Englewood, CO 80112
Eisenhower Tunnel, Section 9	P.O. Box 397, Idaho Springs, CO 80452
Lakewood Residency	12640 West Ceder Drive, Suite A, Lakewood, CO 80228
Limon Residency	P.O. Box 366,401 "A" Avenue, Limon, CO 80828
Summit County Residency	P.O. Box 399, Dumont, CO 80436

The Eisenhower/Johnson Memorial Tunnel houses a major traffic management facility on I-70, located within Region 1. An effort is currently underway to enhance operations of the Eisenhower/Johnson Tunnel through extensive renovations to the existing systems that are technologically out-dated and operating with severely degraded performance. The existing systems planned for improvement include: the control room console, tunnel/facility communications network, variable message sign control system, over-height vehicle detection system, closed circuit television system, fire/smoke/heat detectors, intrusion alarms, environmental systems, and AC power systems. Traffic operations at the Eisenhower/Johnson Memorial Tunnel are managed from the tunnel control center located near the tunnel. The control center will be used to monitor the upgraded systems, and could also be used to monitor and operate other ITS components on I-70, which would facilitate inter-jurisdictional information exchange.



CDOT Region 3

Headquarters. Located at 222 South Sixth Street, Room 3 17, Grand Junction, Colorado 81502, (970) 248-7225; Regional Director, R.P. Moston. Departments include: Preconstruction, , Traffic, and EEO Office.

Maintenance Shops and Field Offices

Mount Sopris Project	23 Sunset Drive, Suite 9, Basalt, CO 81521
Grand Junction Maintenance, Section 2	606 South 9th Street, Grand Junction, CO 81501
Hanging Lake Tunnels	P.O. Box 949, Gypsum, CO 81637
Craig Maintenance, Section 6	260 Ranney Street, Craig, CO 81625
Grand Junction Construction Residency	606 South 9th Street, Grand Junction, CO 81501
Craig Residency	270 Ranney Street, Craig, CO 81625
Montrose Residency	2420 North Townsend Avenue, Montrose, CO 81402
Glenwood Springs Construction Residency	202 Centennial Street, Glenwood Springs, CO 81602
Eagle Residency	714 Grand Avenue, Eagle, CO 81631

The Hanging Lake Tunnel, supports a relatively new facility in the Glenwood Canyon section of I-70 within Region 3. It supports advanced technology devices and equipment to monitor and control a key highway facility. A state-of-the-art control center, located underneath the tunnel, provides access to, and control of, the various systems: the tunnel surveillance and control system, incident detection system, tunnel ventilation system, and power system. The Hanging Lake Tunnel will provide a platform for the introduction of similar approaches elsewhere in Colorado. In addition to the option of expanding of the control center to monitor and operate other ITS components on I-70, facilitating inter-jurisdictional information exchange, the traffic monitoring and control systems in the tunnel could provide data probes for a wide-area traffic management system.

CDOT Region 6

Headquarters. Located at 2000 South Holly, Denver, CO 80222, (757-9459; Regional Director, Larry Warner. Departments include: Construction, Materials, Preconstruction, Traffic, Planning/Environmental, Business Office, and EEO Office.

Maintenance Shops and Field Offices:

Denver Maintenance, Section 8	5640 East Atlantic Place, Denver, CO 80224
Denver Residency (6011)	1919 West Elk Place, Denver, CO 80211
Arvada Residency (50 12)	5807 North Federal Boulevard, Denver, CO 8022 1
Aurora Residency (50 13)	3320 South Parker Road, Aurora, Co 80012
Littleton Residency (60 14)	8833 South Wadsworth Court, Littleton, CO 80120
Englewood Residency (60 15)	3415 South Santa Fe Drive, Englewood, CO 80110
Golden Residency (60 16)	4295 Zang Street, Golden, CO 80403



Colorado Association of Transit Agencies (CASTA). CASTA is a professional association providing leadership, resources, support, and technical assistance to locally based Colorado transit agencies with the goal of improving mobility for all persons. Supporting diversified transit, CASTA strives for safer and more efficient transportation services. CASTA members include both public and private transit agencies. Services provided include publications, conferences/expositions, training and assistance, and technical assistance and research.

Contact: Jeanne Erickson, Executive Director, Colorado Association of Transit Agencies, 225 East 16th Avenue, Suite 1000, Denver, CO 80203, Telephone (303) 839-5197, Fax (303) 830-7132.

Colorado Municipal League (CML). A nonprofit, nonpartisan organization representing and serving 255 cities and towns in Colorado. The league promotes strong local governments through monitoring, supporting, and representing municipal interests in legislation; providing a stronger presence for advocating municipal views; providing workshops and meetings; and publishing a biweekly newsletter, bimonthly magazine, and research and informational publications.

Contact: Ken Bueche, Executive Director, Colorado Municipal League, 1660 Lincoln Street, Suite 2100, Denver, CO 80264, Telephone (303) 831-6411.

REGIONAL AGENCIES

Intercounty Transit Agencies

Avon/Beaver Creek Transit. The Avon Department of Transportation (ADOT) operates and manages 3 separate transit systems; the Avon Route System, Beaver Creek Resort Company System, and Regional System. The Avon Route Systems provides service for the Town of Avon. The Beaver Creek System provides service for the Beaver Creek resort area. The Regional system includes intercity routes between Edwards and Vail, Beaver Creek to Vail, and Avon to Leadville. These systems provide fixed route, demand responsive and ADA paratransit service.

Contact: Harry N. Taylor, Director of Transportation, Avon Department of Transportation, PO Box 1726, Avon, CO 81620, Telephone (970) 949-6121, Fax (970) 949-9136.

Colorado Mountain College Senior/Disabled Transit Program. A demand responsive and modified fixed route program providing service to all of Garfield County, including the towns of Battlement Mesa, Parachute, Rifle, Silt, New Castle, Glenwood Springs, and Carbondale.

Contact: Linda Austin-Martin/Maureen Richardson, Co-Directors, Colorado Mountain College Senior/Disabled Transit Program, 1402 Blake Avenue, Glenwood Springs, CO 81601, Telephone (970) 945-9118, Fax (970) 945-6240.

Regional Transportation District (RTD). RTD operates and maintains a mass transportation system for the City and County of Denver, Boulder County, Jefferson County, and parts of Adams, Arapahoe, and Northern Douglas Counties. The district operates fixed bus route, ADA paratransit, and light rail service.



Contact: Frank Sharpless, Intergovernmental Relations Officer, Regional Transportation District, 1600 Blake Street, Denver, CO 80202, Telephone (303) 299-2257, Fax (303) 299-2363.

Roaring Fork Transit Agency (RFTA). Providing fixed route, demand responsive, and shared ride services year-round in the Glenwood Springs/Aspen corridor. Service is provided within the city limits of Aspen, and between Aspen and Glenwood Springs.

Contact: Dan Blankenship, General Manager, Roaring Fork Transit Agency, 51 Service Center Drive, Aspen, CO 81612, Telephone (970) 920-1905, Fax (970) 920-2864.

Summit Stage. This transit system is operated by the Summit County Government to serve county, area, and local residents, resort guests and disabled and senior citizens. The system consists of fixed route and residential service operating out of the Frisco transfer center hub. Fixed route services serve Breckenridge, Copper Mountain, Dillon, Keystone, and Silverthorne. Residential service is provided to Boreas Pass, Wildemest, and Summit Cove.

Contact: Amy Ostrander, Director, Summit Stage, PO Box 68,13541 Highway 9, Breckenridge, CO 80424-0068, Telephone (970) 453-1339, Fax (970) 453-1241.

Councils of Government and Regional Planning Commissions

Denver Regional Council of Governments (DRCOG) This council of governments operates to develop and ensure the proper planning in the Denver region. As part of its planning responsibilities, DRCOG conducts and oversees all transportation planning studies in the region.

Contact: Margaret W. Carpenter, Chairperson, Denver Regional Council of Governments, Mayor, City of Thor-nton, 2480 West 26th Avenue, Suite 200-B, Denver, CO 80211-5580, Telephone (303) 455-1000.

Northwest Regional Council of Governments (Northwest COG). The Northwest COG has a twenty three year history of developing intergovernmental funding formulas and delivery of effective regional services that are beyond the scope of any one local government. As a regional planning and service delivery agency, they are able to fulfill the need for shared technical expertise and program cost sharing. Northwest COG encompasses the counties of Eagle, Grand, Pitkin, Jackson, and Routt.

Contact: Directors Linda Venturoni and Sandy Blaha, 249 Warren Avenue, Box 2308, Silverthorne, CO, 80498, (970)468-0295.

Associated Government of Northwest Colorado a planning organization that oversees Moffat, Rio Blanco, Garfield and Mesa Counties.

Contact: Director Jim Evans, Box 35 1,202 Railroad Avenue, Rifle, CO 81650 (970) 625-1723



Regional Transportation Planning Regions (TPR)

Northwest Regional Planning Commission (NRPC). Under federal policy documented in the ISTEA, the State of Colorado is required to submit a Statewide Transportation Plan (STP). To respond to this federal mandate, CDOT has categorized the state into 15 distinct planning regions. Each region is responsible for developing a Regional Transportation Plan (RTP) that will be incorporated into the STP. Commissioners from Grand, Jackson, Moffat, Rio Blanco, and Routt Counties established the Northwest Regional Planning Commission to direct the development of the Northwest Regional Transportation Plan. The Commission's Mission Statement reflects a multi-county vision to "establish and maintain a balanced transportation system that effectively addresses current and future needs. . . [while] protecting the quality of life of the residents and visitors in the Northwest Region."

Contact: Bob Carlstrom, Chairman County Commissioner, Jackson County Commissioners Office, 404 4th Street, P.O. Box 1019, Walden, Colorado 80480; (970) 723-8470.

Intermountain Regional Planning Commission. Commissioners from Summit, Eagle, Garfield, Pitkin, and Lake Counties established the Northwest Regional Planning Commission to direct the development and planning of their respective areas and pass recommendations to the State Advisory Committee through the CDOT Commissioners. These recommendations (projects) are reviewed and prioritized before being added to the 20 year plan. Many of the large ski resorts including: Breckenridge, Eagle, Vail, Copper Mountain, Beaver Creek, Aspen, and Sunlight are within this planning region.

Contact: Lou Trapani, Chairman, 1-800-285-0409

RURAL/GOVERNMENTAL AGENCIES

Rural Transit Agencies

Town of Breckenridge Public Transit System. This system provides free circulator services for residents, visitors, and employees through fixed route service in downtown Breckenridge.

Contact: Terry L. Perkins, Director of Public Works, Town of Breckenridge, PO Box 168, Breckenridge, CO 80424, Telephone (970) 453-225 1, Fax (970) 453-15 13.

Town of Vail Transit System. Providing free fixed route and shared ride service within the town of Vail.

Contact: Mike Rose, Transportation Manager, Town of Vail, 75 South Frontage Road, Vail, CO 81657, Telephone (970) 479-2178, Fax (970) 479-2453.

Town of Snowmass Village Transit System. Public transportation providing fixed route, demand responsive and modified fixed route service within the town of Snowmass Village. The system is intended to provide service to winter ski ridership.



Contact: David Peckler, Transit Manger, Town of Snowmass Village, PO Box 5010, Snowmass Village, CO 81615, Telephone (970) 923-2543, Fax (970) 923-5986.

Governmental Agencies. Within the study area, there are several jurisdictions which must be thoughtfully interfaced with during ITS deployment within the I-70 Corridor. An advanced freeway management system on I-70 will impact traffic operations on the jurisdictions' arterial roadways which serve the I-70 corridor. The counties within the project limits are: Jefferson County, Clear Creek County, Summit County, Eagle County, Pitkin County, and Garfield County. Additionally, existing transit providers in the corridor must be integrated into new ITS. This section identifies public transit systems operating at a local level within the I-70 West Corridor.

Clear Creek County. Clear Creek County policy is controlled by County Commissioners, and within the county government organization is a Planning Director and a Roads Supervisor. Within Clear Creek County, are the towns of Silver Plume, Empire, and Georgetown, and the city of Idaho Springs. Policy in Silver Plume, Empire, and Georgetown is made by the Mayor and a Board of Trustees, and among each town government organization is a Planning Commission that advises the Board. Policy in Idaho Springs is made by the Mayor and the City Council, and among the city government organization is a Planning Commission that advises the Council.

Contact: Nelson Fugate, Commission Chair, 6th and Argentine, Box 2000, Georgetown, CO 80444, Telephone (970) 569-3251

Eagle County. Eagle County policy is controlled by County Commissioners, and among the county government organization is a general Engineer, a Planning Director, and a Roads Supervisor. Within Eagle County, is the town of Eagle and the cities of Vail, Avon, Gypsum, and Mintum. Policy in the town of Eagle is made by the Mayor and the Board of Trustees, and among the town government organization is a Planning Commission that advises the Board. Policy in Vail is made by the Mayor and the City Council, and among the city government organization is a general Engineer and a Planning Commission that advises the Council. Policy in Avon and Gypsum is made by the Mayor and the City Council, and among each city government organization is a general Engineer, Street Support, and a Planning Director/Commission Chair that advises the Council. Policy in *Minturn* is made by the Mayor and the City Council.

Contact: Johnette Phillips, Commission Chair, Box 850, Eagle, CO 81631, Telephone (970) 328-8600, Fax (970) 328-7207,

Garfield County. Garfield County policy making is led by County Commissioners. Within Garfield County, is the city of Glenwood Springs. Policy in Glenwood Springs is made by the Mayor and the City Council, and among the city government organization is a general Engineer, Street Support, and a Planning Commission that advises the Council.

Contact: Elmer Arbaney, Commission Chair, 109 8th Street, #200, Glenwood Springs, CO 81601, Telephone (970) 945-1377,



Gilpin County. The County offices are located in Central City and the Commissioners are the principle policy makers. This county encompasses both Black Hawk and Central City gaming communities which impacts the I-70 corridor.

Contact: Leslie Williams, Commission Chair, Box 429, Central City, CO 80427, Telephone (970) 572-0567, Fax (970) 572-0611.

Grand County. A large percent of the travelers going to Grand County use the I-70 West Corridor. Grand County Commissioners is the body that direct policy. The County offices are located in Hot Sulphur Springs.

Contact: Robert Anderson, Commission Chair, 308 Byers Avenue, Hot Sulphur Springs, CO 8045 1, Telephone (970) 725-3347, Fax (970) 725-3303.

Jefferson County. Jefferson County policy is directed by the County Commissioners. Policy in Golden, located within Jefferson County is made by the Mayor and the City Council, and among the city government organization is a general Engineer, a Planning Director, and a Planning Commission that advises the Council.

Contact: John Stone, Commission Chair, 100 Jefferson County Parkway, Golden, CO 80419, Telephone (303) 271-6511, Fax (303) 271-8941.

Pitkin County. Pitkin County policy is controlled by County Commissioners, and among the county government organization is a general Engineer, a Planning Director, and a Roads Supervisor. Within Pitkin County, are the cities of Aspen and Snowmass Village. Policy in Aspen and Snowmass Village is made by the Mayor and the City Council, and among each city government organization is a general Engineer, Street Support, a Planning Director, and a Planning Commission that advises the Council. Also, in Aspen there are public interest organizations which include: the Transportation Group, Energy 2000, Historic Preservation and Zoning, Neighborhood Advisory Committee, and the Roaring Fork Forum.

Contact: Bob Child, Commission Chair, 530 E. Main, 3rd Floor, Aspen, CO 81611, Telephone (970) 920-5200, Fax (970) 920-5198.

Summit County. Summit County policy is directed by the County Commissioners. Within the county government organization is a general Engineer and a Roads Supervisor. Within Summit County, are the cities of Dillon, Frisco, and Silverthorne. Policy in Dillon, Frisco, and Silverthorne is made by the Mayor and the City Council, and among each city government organization is a Planning Commission that advises the Council.

Contact: Rick Hum, Commission Chair, 208 E. Lincoln, Box 68, Breckenridge, CO 80424, Telephone (970) 453-2561, Fax (970)453-5461.



REFERENCES

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