



ITS
**TECHNOLOGY MOVING THE NATION
INTO THE 21ST CENTURY**

ITS Rocky Mountain Annual Meeting
October 3-5, 2001
Boise, Idaho

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PRESENTATION TOPICS

◆ ***YESTERDAY***

- What Have We Accomplished in 10 Years?

◆ ***TODAY***

- What is Hot and On the Plate?

◆ ***TOMORROW***

- What Does the Future Hold?

YESTERDAY

The First 10 Years – Some Highlights

- ◆ Road/Weather Information Systems
- ◆ Transportation Operations and Communication Centers
- ◆ Computer Aided Dispatching
- ◆ Advanced Vehicle Location Systems



YESTERDAY

- ◆ Advance Snowplow Technology
- ◆ Mayday/Onstar Systems
- ◆ Highway-rail Grade Crossing Technology
- ◆ Electronic Toll Collections Systems



TODAY

What is Hot and on the Plate?

- ◆ The National Dialogue on Transportation Operations.
- ◆ Testimony to the Senate Environment and Public Works Committee.
 - September 10, 2001
- ◆ The AASHTO Discussion on Operations.
- ◆ Preparations for Next TEA.

TASK FORCE/RETREAT PURPOSE AND GOALS

- ◆ Defining the Characteristics of the 21ST Century Transportation Operations Agency.
- ◆ Defining the barriers/opportunities to achieving the new Operations Agency.
- ◆ Defining and Recommending Options and Actions necessary to Institutionalize Operations.

DEFINITIONS OF OPERATIONS

(draft)

- ◆ An integrated program designed to make the best use of the existing infrastructure through provisions of systems and services that preserve and improve performance in anticipation of – or in response to – both recurring and nonrecurring conditions.
- ◆ Those activities, processes, procedures, technologies, and agency relationships needed for the real-time dynamic provision of services on the transportation system, and to users or system managers.
- ◆ The provision of any service related to the highway system that does not include capital expansion or improvements to the infrastructure.

EMERGING RETREAT CONSENSUS

- ◆ There is Agreement that the AASHTO needs to establish a long range and continuing focus on Operations/Systems Management.

- ◆ That Operations will need to focus on:
 - Building organizational capacity/shifting cultures.
 - Developing Cross Institutional Relationships
 - Budget/Funding Issues
 - Modal/Functional Integration
 - Urban and Rural Applications
 - Optimizing the Use of the Multimodal System
 - Integrating ITS Technologies
 - Performance Measurement
 - Fostering Champions in DOTs

EMERGING CONSENSUS

- ◆ That AASHTO should establish a new STANDING COMMITTEE to focus on Operations/Systems Management.
- ◆ That AASHTO should integrate other aspects of 21st Century DOT themes in the charge of the new Committee.
- ◆ That the Committee should include a crosscutting membership/participation from other AASHTO Committees, industry and Association partners.
- ◆ That AASHTO should dedicate Senior Staff to develop this new emphasis area.

TOMORROW

What Does the Future Hold?

- ◆ Integrating Systems Through Open, Easy to Use Standards.
- ◆ Creating Partnerships Among Public Organizations at Federal, State and Local Levels.
- ◆ Institutionalizing an Operations Approach to Systems Management.
- ◆ Continuing the Federal Research and Operational Testing Program.
- ◆ Continuing Emphasis on Training and Educating a Differently Skilled Professional.

TOMORROW

- ◆ Focusing on Achieving Public Awareness and Political Support on How ITS is Contributing to Safety and Quality of Life.
- ◆ Recognizing that the Traveler is Truly the Customer with Varying Individual Requirements.
- ◆ Committing to Deployment.



POTENTIAL AASHTO ACTIVITIES

2002 and Beyond

- ◆ Discussing the implications and increasing focus on operations and management.
- ◆ Establishing ongoing relationship with FHWA.
- ◆ Establishing dialogue with non-DOT providers.
- ◆ Continuing ITS program.
- ◆ Conducting workshops and conferences.
- ◆ Defining research and AASHTO Policies.

POTENTIAL ITS REAUTHORIZATION TOPICS

- ◆ Maximize Federal aid Program Flexibility.
- ◆ Simplify and Streamline Project Development for ITS/Operations Projects.
- ◆ Statewide and MPO Planning and Approval Process Streamlining for ITS.
- ◆ Continue ITS Standards Process.
- ◆ Funding for Research and Deployment.
- ◆ Simplify Procurement Regulations.
- ◆ Training and Technology Sharing Support.



"In the last 10 years, ITS has turned the corner from vision to reality, and demonstrated its powerful potential to transform our transportation system."

THANK YOU
QUESTIONS