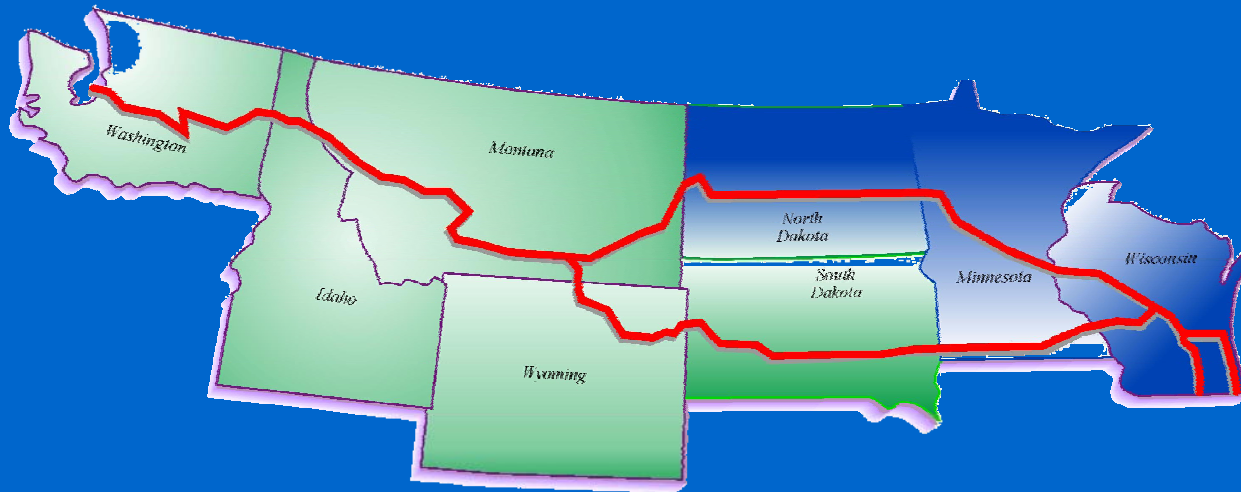


North/West Passage

Transportation Pooled Fund Study



National Rural ITS Conference

Spokane, Washington

September 11, 2005

Mark Nelson, Minnesota DOT



Goal and Vision of TPF Study

Goal of North/West Passage TPF Study

Implement and evaluate integrated traveler information systems and coordinate maintenance operations across state borders.

Objectives

To influence ongoing standards development;

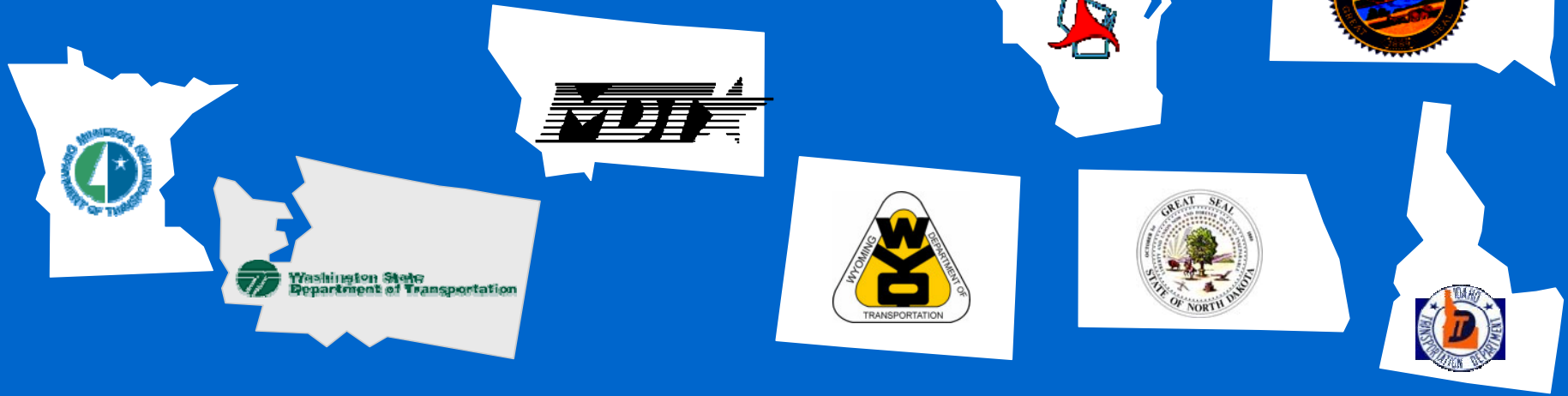
To utilize effective methods for sharing, coordinating, and integrating traveler information across state borders.

Background

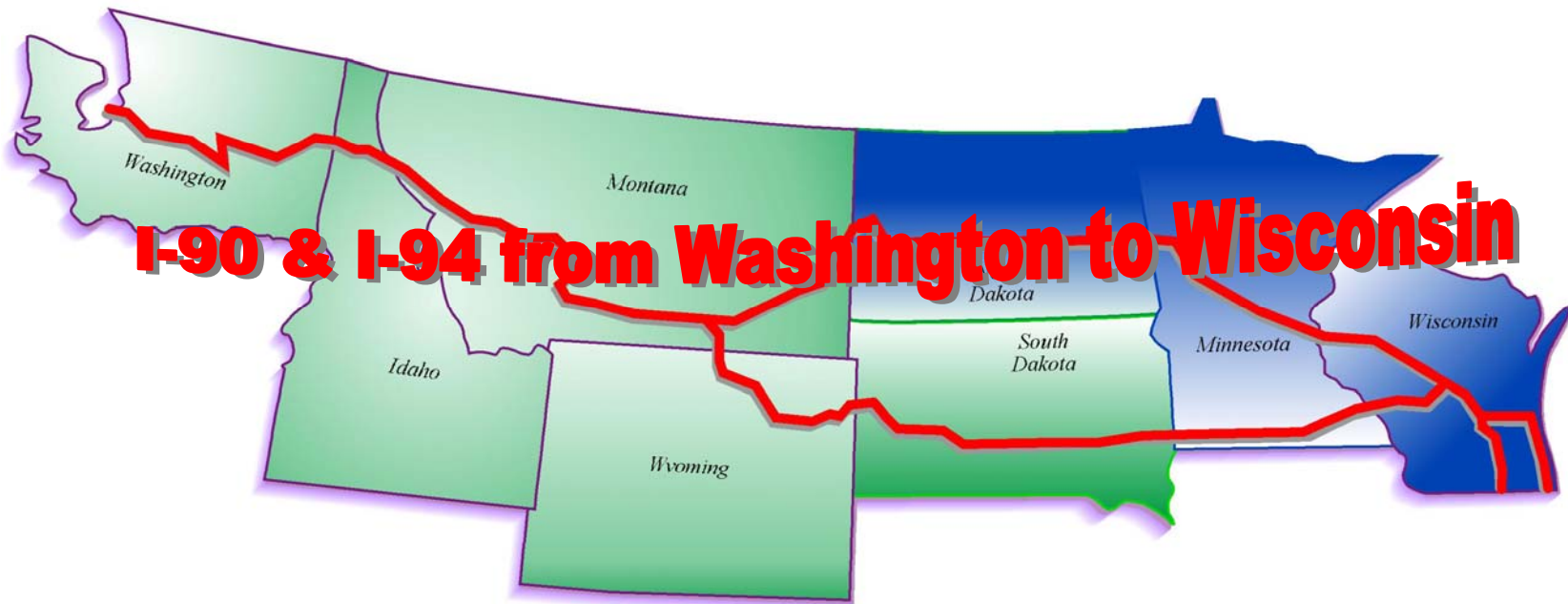
- December 7, 2001 – Minnesota Guidestar approved the development of a multi-state project to coordinate ITS deployments along I-90 and I-94
- February 25, 2002 – Representatives from Washington, Idaho, Montana, North Dakota, South Dakota, Wyoming, Minnesota, and Wisconsin held a workshop to discuss the development of a coalition along I-90 and I-94
- June 2002 – Pooled Fund Study Solicitation
- January 2003 – Pooled Fund Study Re-Solicitation
- North Dakota, Minnesota, and Wisconsin secured approval and funding to initiate the development of a North/West Passage Transportation Pooled Fund (TPF) study
- September 2005- Phase II will move forward with at least six states.

Phase I Status

- Minnesota DOT is the lead organization for the TPF Study
- Minnesota, North Dakota, and Wisconsin pooled \$100,000 for Phase I projects
- Minnesota DOT hired URS to provide project management support
- Minnesota, North Dakota, and Wisconsin approved a Work Plan in December 2003 that identified projects to pursue as Phase I of the TPF Study
- Phase I projects started in March 2004



Corridor Map



PHASE I:

- Move forward with projects that have tangible and immediate benefits.
- Focus on projects within the three participating states while keeping all states involved.



Phase I Projects Summary

	Project Name	Project Champion(s)	Project Cost
1.1	Integrate ND, WI, and MN Reporting Systems	Mark Nelson, Mn/DOT	\$29,500
1.2	Deploy Limited CARS Application for WI	Phil DeCabooter, WisDOT	\$7,500
1.3	Develop Automated Road Condition Reporting System (Possible Future Project)	Mark Nelson, Mn/DOT	\$00
1.4	Provide Integrated Communications Capabilities for ND DMS (Possible Future Project)	Ed Ryen, NDDOT	\$00
1.5	Preliminary Design for DMS Deployment on I-94 Eastbound in ND	Ed Ryen, NDDOT Dennis Redig, Mn/DOT	\$12,000
1.6	Preliminary Design for DMS Deployment at the I-94 and I-90 split in Tomah, WI	Phil DeCabooter, WisDOT	\$12,000
1.7	Develop a North/West Passage Web Site	Ayman Smadi, NDSU	\$4,000
1.8	Develop a Communications Plan for the De-Icing System to be installed on the I-94 Bridges at Red River	Dennis Redig, Mn/DOT	\$20,000
1.9	Develop a Lessons Learned Document Comparing Requirements for CARS Deployment in WI to Meridian's Planned Reporting System in ND	Ayman Smadi, NDSU	\$15,000
Total Cost of Phase I Projects			\$100,000*

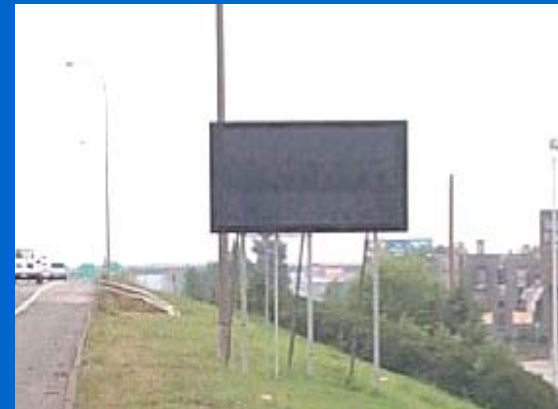
**Total does not include costs for admin, travel, meeting or consultant support services.*

Phase I Accomplishments

- Travelers in North Dakota and South Dakota can now receive MN's 511 Traveler Information.
- Developed of an Interface Control Document that will guide interface of 511 systems between states throughout the corridor.
- Developing concept of operations for DMS information sharing at Minnesota-North Dakota Border.

Phase I Accomplishments

- Developed a communications plan and assisted with preliminary system design for a shared bridge deck anti-icing system to be installed on I-94/Red River bridge between Minnesota and North Dakota.
- Conducted demonstration of traveler information system for Wisconsin State Patrol.



Phase I Accomplishments

- Initiated discussion with Wisconsin DOT regarding need for traveler information at the Tomah Split.
- Developed a website which has been and will continue to be a valuable tool in the sharing of information.
- Through monthly steering committee meetings States were able to discuss common issues and needs and develop a shared vision.



Phase II – North/West Passage ITS Integrated Corridor Strategic Plan

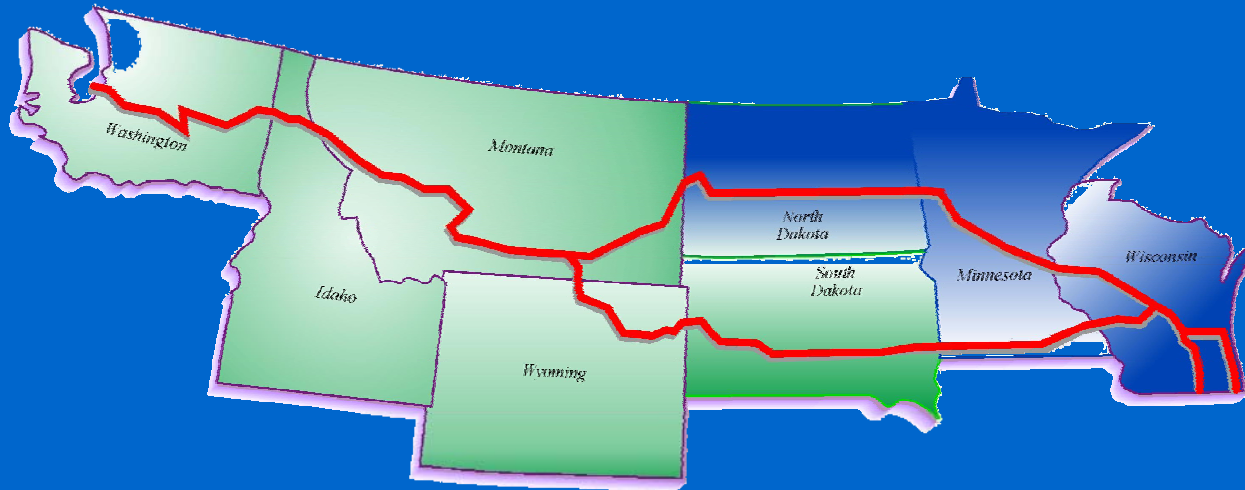
Goal

- Develop a high-level architecture, focusing on cross-border center-to-center communications
- Plan for coordinated traveler information system at borders
- Inventory communication infrastructure and issues for I-90 and I-94
- Produce a corridor-wide strategy for planning, programming and development of future integrated corridor projects

Phase II Status

- The SEH Team was chosen to support Phase II of the North/West Passage
- Phase II will begin as soon as states are able to commit funds to the Pooled Fund Study
 - Washington - Committed
 - Idaho - Committed
 - Wyoming - Committed
 - Montana - Very Likely
 - North Dakota - Committed
 - South Dakota - Committed
 - Minnesota - Committed
 - Wisconsin – Very Likely

The Future of North/West Passage



- Regional corridor approach has generated national interest.
- SAFETEA-LU requires data exchange formats to be established within two years.
- CLARUS (?)

Questions



Contact Information

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