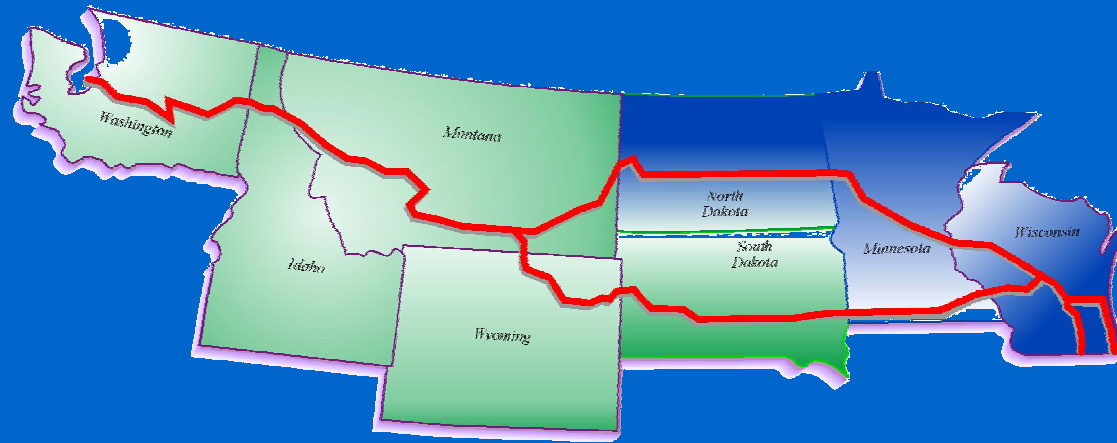


# North/West Passage

## Transportation Pooled Fund Study



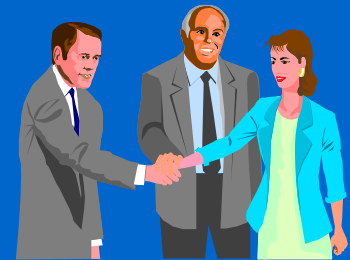
I-10 National Freight Corridor Study Meeting

November 30, 2004

*Mark Nelson, Minnesota DOT*

# 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
- Other I-90 and I-94 states have continued to express interest in the project, but do not have funding secured to participate at this time



# Corridor Map



# Goal and Vision of TPF Study



## Goal of North/West Passage TPF Study

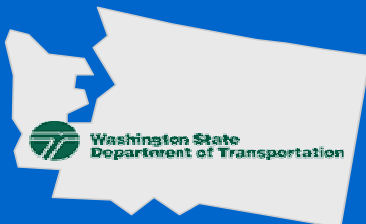
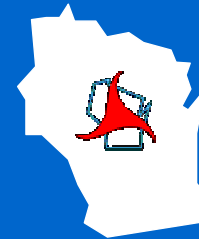
Implement and evaluate integrated traveler information systems and coordinate maintenance operations across state borders.

## Long-Term Vision of North/West Passage TPF Study

Influence ongoing standards development; operate database systems that can transmit and receive multiple data streams; and, utilize effective methods for sharing, coordinating, and integrating traveler information across state borders.

# Current Status

- Minnesota DOT is the lead organization for the TPF Study
- Minnesota, North Dakota, and Wisconsin have 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
- Phase II projects are currently being discussed





# 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
<b>Total Cost of Phase I Projects</b>		<b>\$100,000*</b>

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

# Draft Phase II Projects

## 2.1 North/West Passage ITS Integrated Corridor Strategic Plan

- Corridor High Level Architecture,
- Integrated Traveler Information Systems Concept of Operations
- Corridor Communication Coverage Inventory and Analysis

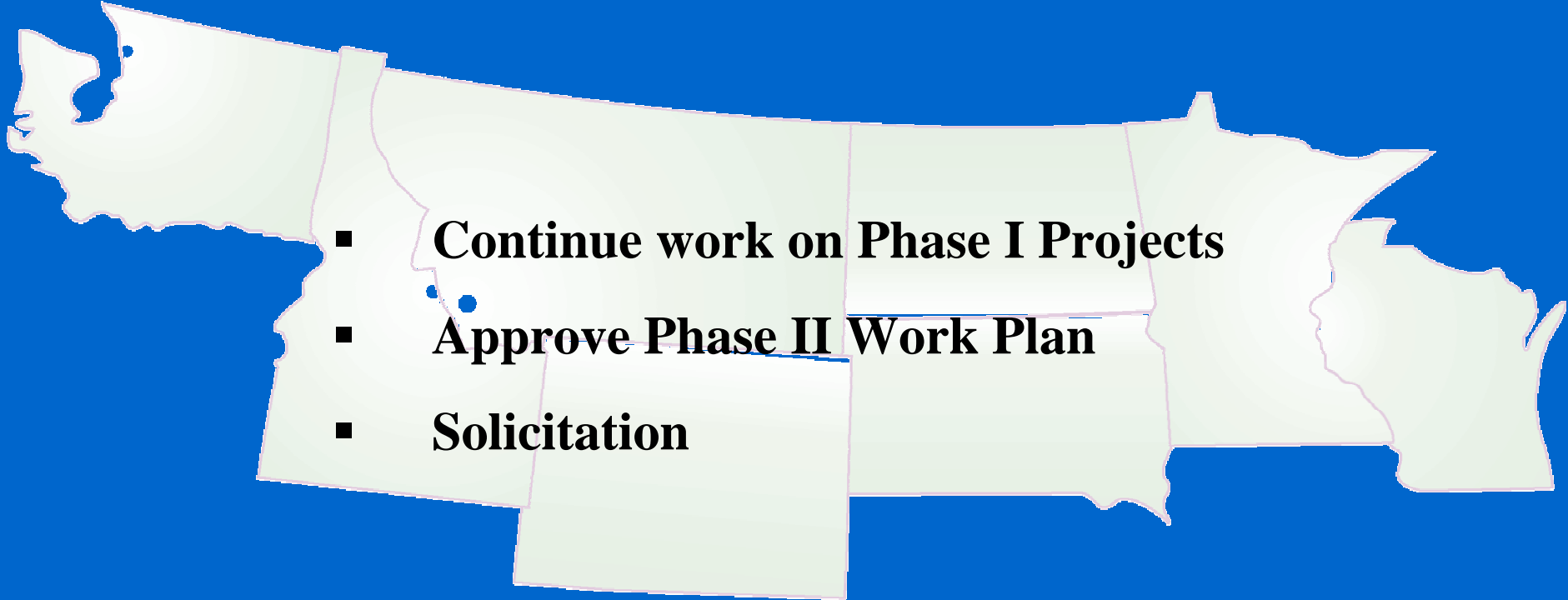
## 2.2 Coordinated Guidelines for Rural DMS Operations and Messages along the Corridor

## 2.3 Automated Road Condition Reporting System

## 2.4 North/West Passage Road Weather Info/Net

## 2.5 North/West Passage Coordination and Partnership with the FHWA Clarus Initiative

# Next Steps

- 
- A map of the Northwest Passage region, showing the coastline of Alaska and the Arctic Ocean. The map is overlaid with a grid of colored squares: light green for the northernmost part, light blue for the central part, and light yellow for the southern part. Two blue dots are located in the central light blue area.
- **Continue work on Phase I Projects**
  - **Approve Phase II Work Plan**
  - **Solicitation**

# Contact Information

**Mark Nelson**

Minnesota DOT

Phone: 651-284-3484

[mark.nelson@dot.state.mn.us](mailto:mark.nelson@dot.state.mn.us)

