



# North/West Passage Transportation Pooled Fund Study

TPF-5(093)

## Q1 2005 Status Report

July – September 30, 2005

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### Project Description

The North/West Passage Transportation Pooled Fund (TPF) Study is a multi-state cooperative program for the coordination, development, and deployment of Intelligent Transportation Systems (ITS) projects along the I-90 & I-94 corridor. The states of Washington, Idaho, Wyoming, Montana, North Dakota, South Dakota, Minnesota, and Wisconsin have been in contact since February 25, 2002 discussing the development of a North/West Passage transportation coalition. North Dakota, Minnesota, and Wisconsin contributed funding for the development of a Pooled Fund Study. Other I-90 and I-94 states continue to express interest in the North/West Passage Corridor, but do not have funding secured to participate at this time. The Federal Highway Administration serves as a monitoring body, providing strategic, and technical input. The Steering Committee consisting of members from the eight states meet monthly or as necessary to provide overall program direction.

### Status/Progress This Quarter and Next Steps

#### Phase I Projects

The North/West Passage TPF Study is currently pursuing seven projects selected and approved in December 2003 by the membership as outlined in the Work Plan - Phase I Projects. The purpose of the Phase I Projects is to implement and evaluate integrated traveler information systems and coordinate maintenance operations across state borders. A status of Phase I projects from July through September 30, 2005 is included below.

- **Project 1.5 – Preliminary Design for DMS Deployment on I-94 Eastbound in North Dakota and Project 1.8 – Develop a Communication Plan for the Anti-Icing System to be Installed on the I-94 Bridges at Red River** *Project 1.5 and 1.8 coordinated efforts*

The North/West Passage effort for Project 1.8 is complete. A Communication Plan and Preliminary Layouts were developed and included in the RFP for the Anti-Icing System to be deployed on the Red River Bridge. The Project 1.5/1.8 Work Team will focus on completing Project 1.5 by developing a Concept of Operations for the DMS to be deployed prior to the Minnesota and North Dakota borders.

*Next Step: Continue work on Project 1.5.*

#### Completed or Tabled Phase I Projects

- **Project 1.1 – Integrate North Dakota, Wisconsin, and Minnesota Reporting Systems**  
This project was successfully completed and travelers in North Dakota can now select to receive Minnesota's 511 traveler information. For no additional cost, this project was also able to provide

travelers in South Dakota with Minnesota's 511 traveler information. An Interface Control Document (ICD) was also created to identify the process to allow the North Dakota condition reporting system (IRIS) to send data, and for the Minnesota Condition Acquisition Reporting System (CARS) system to receive the data.

- **Project 1.2 - Deploy Limited CARS Study Application for Wisconsin**  
This project is complete. A summary document highlighting lessons learned from deploying limited CARS in Wisconsin District 6 was developed by Castle Rock and submitted to the Project Work Team as the final deliverable. Wisconsin DOT is intending to continue meeting internally to discuss options for proceeding with a reporting system.
- **Project 1.3 – Develop Automated Road Condition Reporting System**  
Project 1.3 was tabled in July 2003, due to the separate and ongoing Maintenance Decisions Support System (MDSS) project. This project will be revisited when Phase II projects are discussed.
- **Project 1.4 – Provide Integrated Communications Capabilities for North Dakota DMS**  
Project 1.4 was tabled in July 2003. North Dakota received grant money to upgrade their signs to National Transportation Communications for ITS Protocol (NTCIP) compliance. This project was completed by North Dakota DOT.
- **Project 1.6 – Preliminary Design for DMS Deployment at the I-94 Split at Tomah, Wisconsin**  
This project is complete. A wrap-up report of Project 1.6 was developed as the final deliverable.
- **Project 1.7 – Develop a North/West Passage Program Website**  
This project is complete. A website for the North/West Passage was developed as an outreach tool for the general public and an internal communication tool for project committee members.
- **Project 1.9 – Develop a Lessons Learned Document Comparing Requirements for CARS Deployment in Wisconsin to Meridian's System Deployment in North Dakota**  
This project is complete. A draft lessons learned report comparing road condition reporting systems was developed.

## Phase II

The contract for Phase II was awarded to the SEH Team. Work will begin as soon as North/West Passage states secure and commit funding for participation in Phase II.

## **Phase I Financial Summary**

Current member commitments for Phase I Projects total \$100,000.

- North Dakota \$25,000 (SP&R Dollars)
- Minnesota \$50,000 (SP&R Dollars)
- Wisconsin \$25,000 (80/20 I-90/94 Earmark Dollars)

## **Project Manger**

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