

F.A.S.T. Deployment on Red River Bridge Between ND & MN

Multi-State ITS Deployment

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Project Background



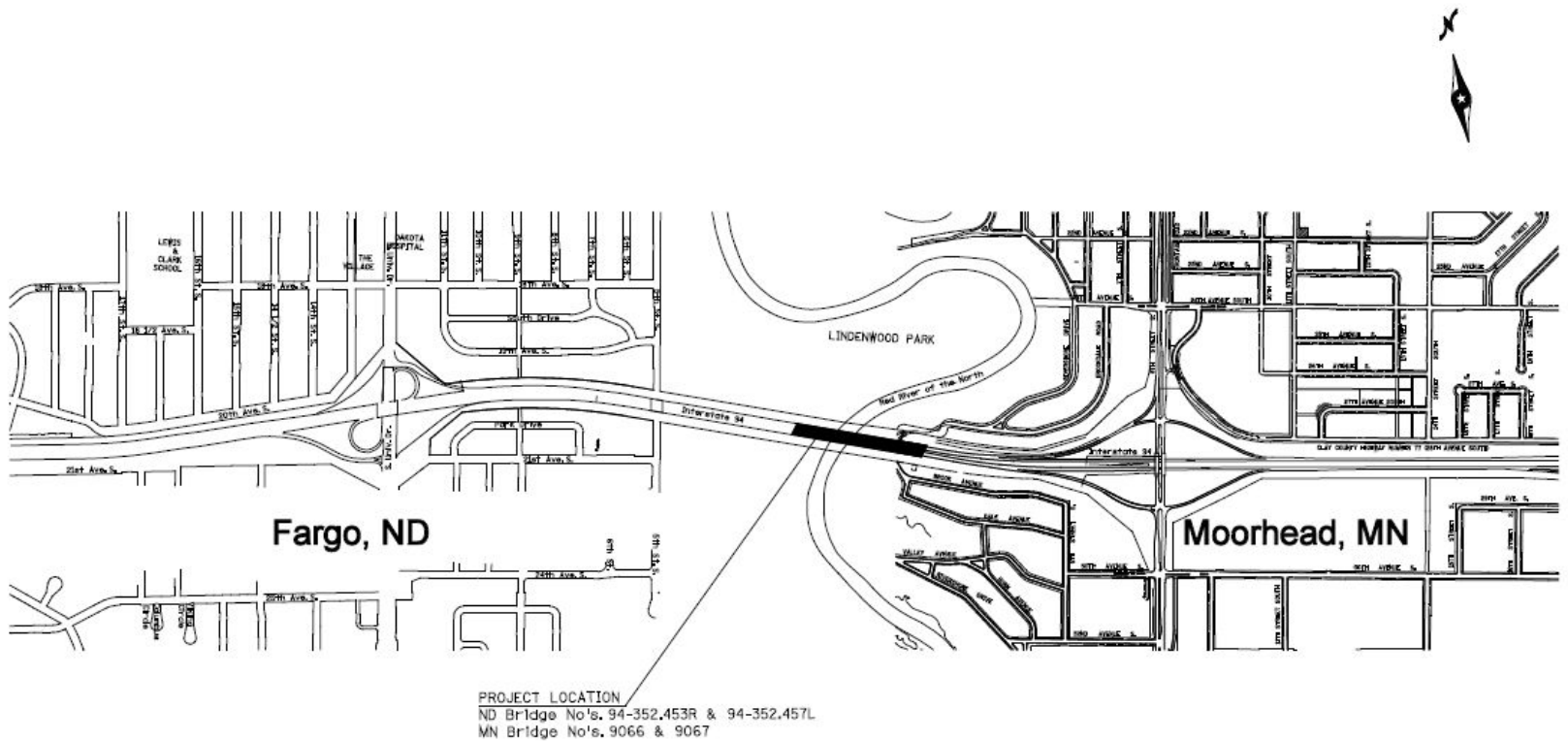
I-94 ND/MN Border

Red River of the North

57,000 AADT

Prone to frost/ice

Project Location



FAST Deployment – Multi-State ITS Project Deployment

Need for Coordination

- Location at ND/MN borders
- Joint approach to deployment
 - Facilitate project development
 - Share expertise/resources
 - Project cost savings
 - Ensure seamless system operations

Project Partners

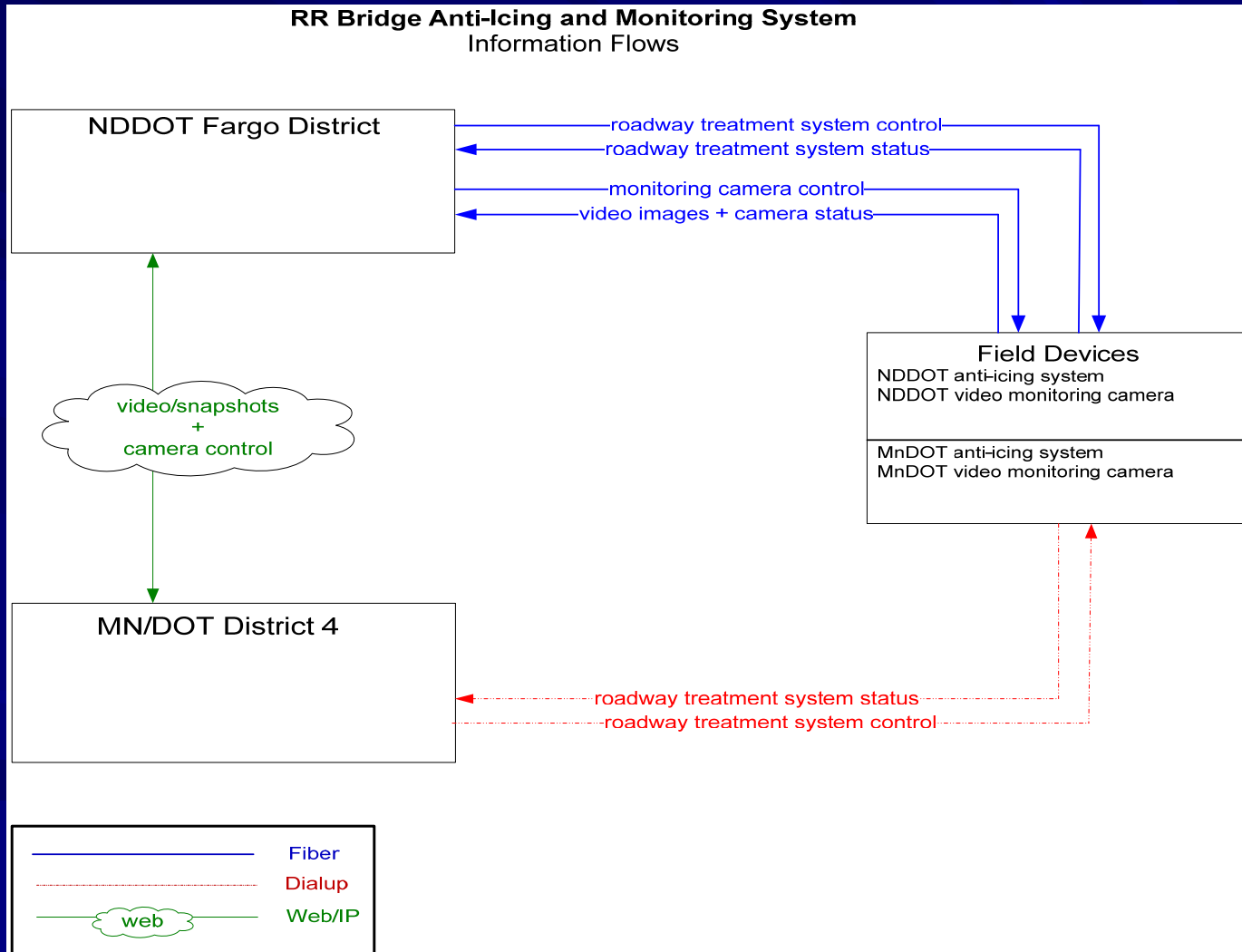


Phase I – Project 1.8



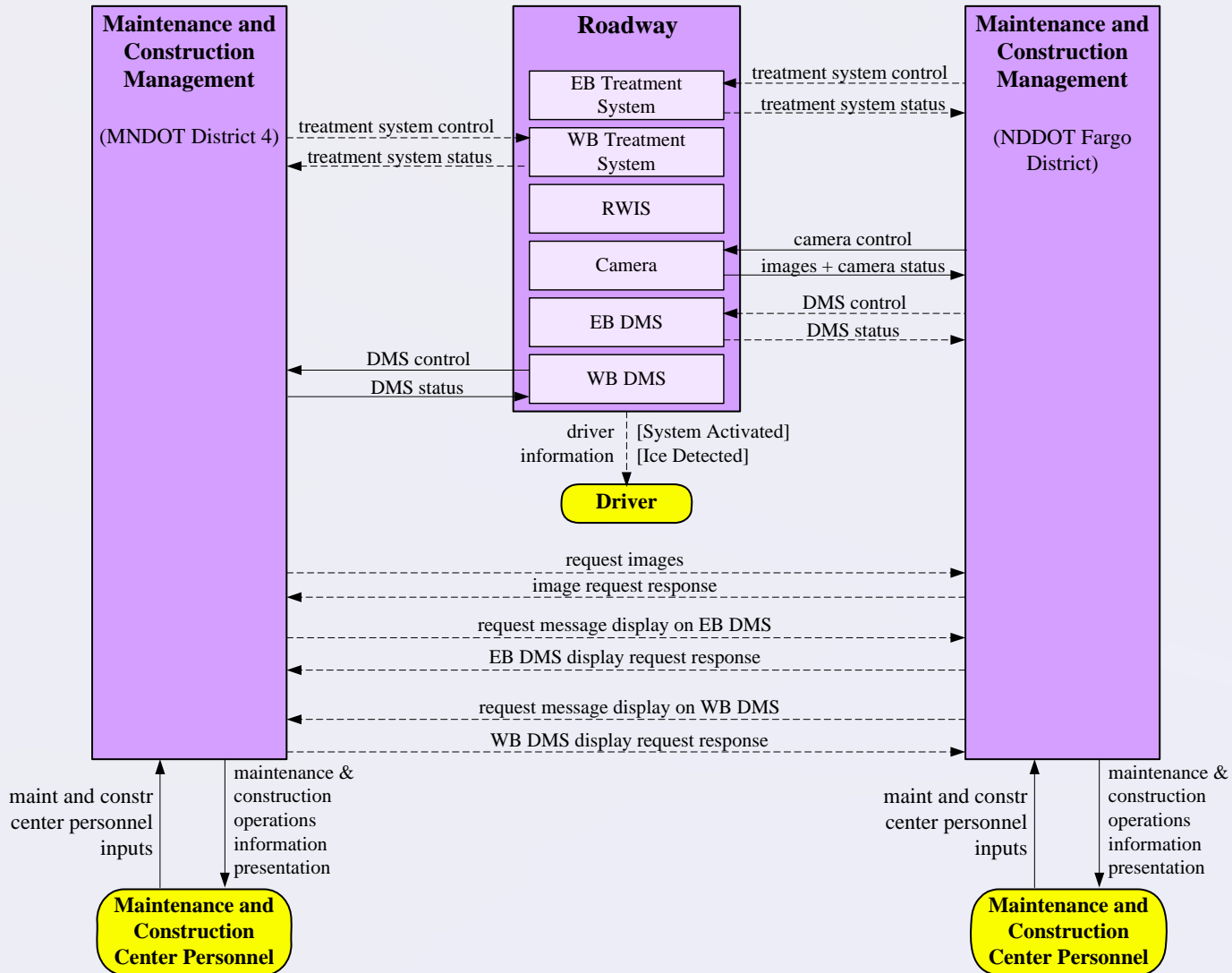
FAST Deployment – Multi-State ITS Project Deployment

Conceptual Flows

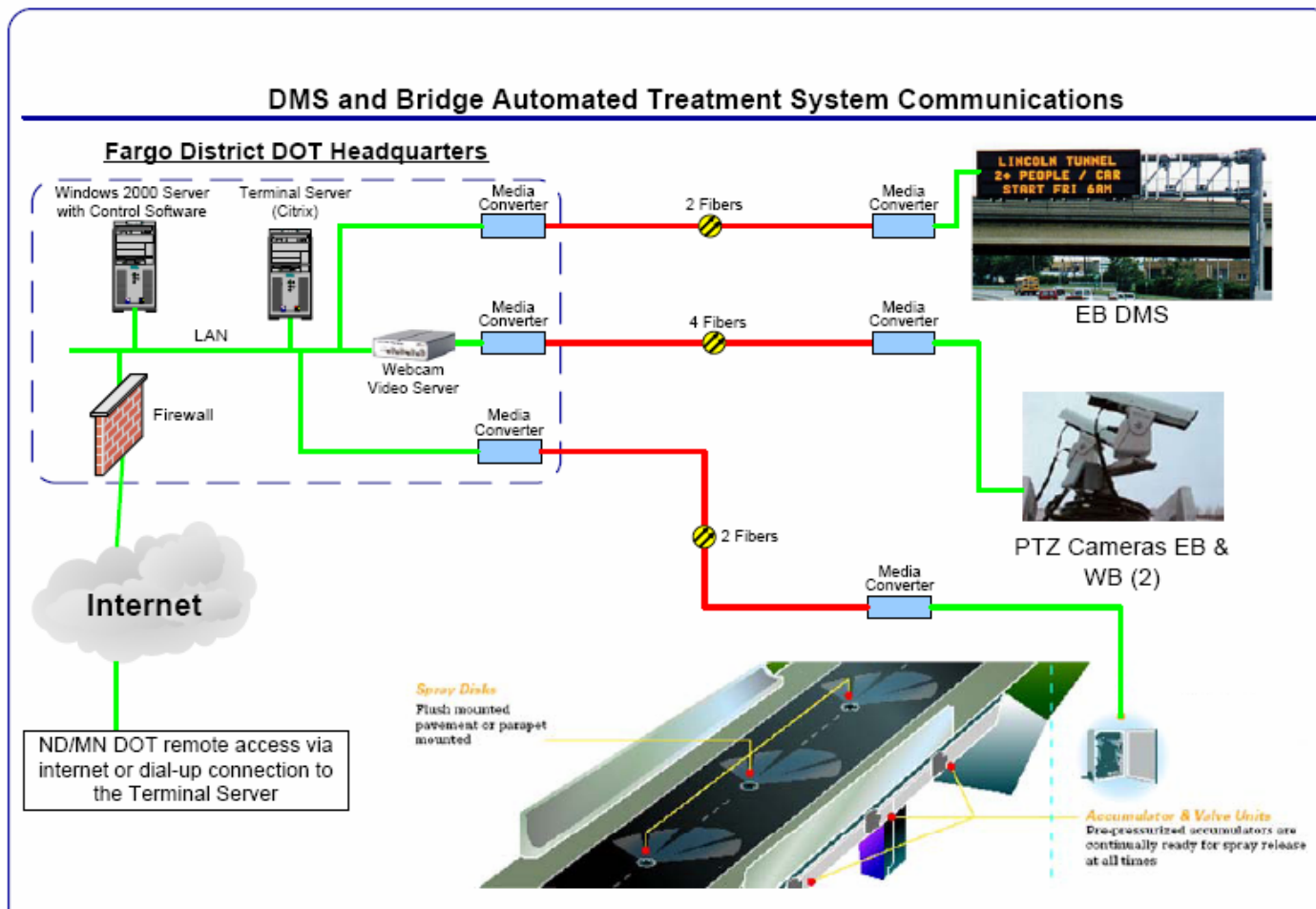


Project Architecture

Red River Bridge Automated Treatment



Preliminary Communication Design



September 2004

Prepared By:



Communication Consultants, Inc.

Project Implementation

- Install began September 2005
- Completed January 2006
 - Testing
 - Parameter adjustments
- Evaluation planned for winter 2006 in cooperation with ATAC
 - Document lessons learned
 - Estimate B/C of system

Conclusions

- Partnerships
 - Need careful planning and a process to reach consensus
 - Great payoff
- Architecture is a useful vehicle to facilitate project development and design
- Communications greatly influence concept of operations

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