



# RURAL ITS DEPLOYMENTS

Mn/DOT Districts 2, 3A, 4 & 8

## CLIENT:

Minnesota Department of Transportation

## REFERENCE:

Mark Nelson, PE  
ITS Program Director  
651/634-5293

## SERVICES PROVIDED:

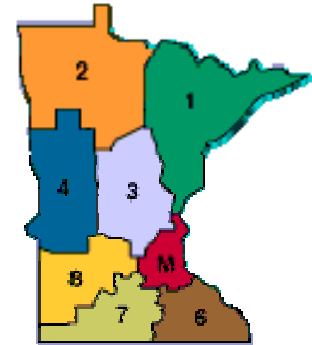
- Requirements Definition
- Technical Lead/Design
- Communications Design
- Deployment Oversight
- Project Management

## CONSTRUCTION COST:

\$2,500,000

### Project Description:

This project provided ITS Solutions to four out- state districts to complete the Mn/DOT Traffic Operations and Communications Centers (TOCC). Working with district specific scoping studies, ITS planning and implementation was combined with statewide system integration to provide innovative traffic management tools such as CCTV Cameras, Variable Message Signs, Automated Vehicle Locators and School Bus Stop Warning systems to Mn/DOT and the State Patrol.



### Roles and Responsibilities:

Alliant had a dual role on this complex project which included technical leadership in Districts 2 and 8 and Communications Design for all four districts. As the Technical Lead, Alliant was responsible for writing requirements, system engineering and deployment oversight. As communications lead, Alliant implemented a plan which included a combination of cellular, hard-wired and wireless mediums depending on the bandwidth needs and the availability of infrastructure.

### End Result:

The project successfully integrates ITS equipment into the remaining four rural districts to improve the safety and efficiency of the out-state transportation system in Minnesota.



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