



MONITOR CONTROL ROOM SUPPORT (WISCONSIN DEPT OF TRANSPORTATION) STATEWIDE

Client

WisDOT, SE Region
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Start of Project

August 2003

Completion Date

August 2010

Project Director

Frank D'Amato, P.E.



WisDOT has established MONITOR System to monitor and manage freeway operations in throughout the State of Wisconsin. DAAR Engineering provides onsite consultant staff for the 24-hour Traffic Control Room, as well as staff training programs, operations policies updates, manuals, guidelines, shift checklists and freeway traffic data analysis. DAAR Engineering also conducts monthly performance audits, review and refine ramp-metering subsystems; update and implement ramp metering strategies guidelines. WisDOT houses an extensive traffic data collection system, for which DAAR developed graphical user interfaces. Traffic analyses, management of ramp/lane closures during constructions, and calculations of lane user fees are among the team's responsibilities.

Project Deliverables:

- Conducting bi-weekly internal progress meetings to review tasks and schedule.
- Monthly review and training of IMS, HAR, VMS, and Amber Alert Operations.
- Ramp Meter studies and retiming schedule.
- Providing Marquette Interchange Project with updates to the Traffic Operations Staff.
- Providing construction updates to the Control Room Operators.
- Conducting Marquette Interchange incident debriefings as needed.
- Marquette Interchange Development of Operations Plans.
- Marquette Interchange Traffic Management Plan.
- Development and Maintenance of Data Extractor software.
- Automated Performance Measures report development.