



TH 52 DESIGN-BUILD

Rochester, MN

CLIENT:

Minnesota Department of Transportation

REFERENCE:

Terry Ward, PE
Mn/DOT Project Manager
(507) 424-1766

SERVICES PROVIDED:

- Highway Design
- Traffic Signal and Roadway Lighting Design
- Intelligent Transportation Systems (ITS) Design
- Construction Staging Development

CONSTRUCTION COST:

\$227 Million

Project Description:

Zumbro River Constructors (ZRC) was selected by Mn/DOT to construct the TH 52 Design-Build project in Rochester, Minnesota. The project included the design of over 11 miles of six lane freeway, along with the construction of 26 bridges. Plans were also proposed for the supporting road system including cross-streets and frontage roads.



Roles and Responsibilities:

Alliant Engineering was a key design firm on the ZRC team and had staff in both the roadway and traffic design groups. Roadway responsibilities included the design of mainline, interchanges, supporting roadways. In the traffic group, Alliant staff was responsible for all traffic signal, roadway lighting, and ITS design. Alliant staff was also extensively involved in construction staging development.

End Result:

Alliant's innovative design strategies led to the development of technical concepts that lowered cost while improving quality. The design was completed in approximately 12 months. Construction began in the spring of 2003 and was completed in 2006.



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