



CSAH 152 SIGNAL OPTIMIZATION

Brooklyn Center, MN

CLIENT:

Hennepin County Public Works

REFERENCE:

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SERVICES PROVIDED:

- Data Collection
- Existing Conditions Analysis
- Corridor Modeling
- Crash Analysis
- Optimized Signal Timing
- Timing Implementation

CONSTRUCTION COST:

N/A

Project Description:

The County State Aid Highway 152 (Brooklyn Boulevard) Optimization and Implementation project included the interconnected segment between 63rd Avenue and 71st Avenue (Noble Avenue) in Brooklyn Center, MN. Overall, the project consisted of seven signalized intersections, and numerous other features, such as:

- System Interchange with I-694
- Heavy bi-directional peak hour flows
- Variable signal spacing
- Heavy congestion, especially near the I-694 ramps.



Roles and Responsibilities:

The corridor was characterized by significant volume demand to/from the I-694/Brooklyn Blvd interchange. The project goal was to improve progression on Brooklyn Boulevard, decrease stops and delay on the mainline, and minimize the adverse impacts to cross-street traffic. This goal was accomplished with the development of six new time of day plans. Furthermore, by reviewing the corridor volumes Alliant was able to recommend the inclusion of 71st Street into this study, an intersection that had previously belonged to the interconnected system to the north.



End Result:

The timing plans were implemented in February, 2007. A few highlights include:

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