

CONSTRUCTION TIME FOR BR 62626 – MARYLAND AVE

Through the use of innovative construction technology, Mn/DOT was able to dramatically reduce the impact of this project's construction on roadway users. The overall project construction closure of Maryland Ave. was reduced from 4 months to approximately 2 months, resulting in a 50 percent reduction in construction time impacts to users of Maryland Ave. This innovation also significantly reduced the impact felt by I-35E users. Traditional construction would require many lane closures to construct the superstructure over traffic. Mn/DOT engineers anticipated that traditional construction would result in 12 days of off-peak lane closures. The innovation of this project reduced this time to 3 days. Thus, Mn/DOT was able to reduce impact/inconvenience by 75 percent.

CONSTRUCTION COSTS

The Engineers' estimate for construction of this project was \$16,032,612 and the bid was \$14,546,184. The final costs for the project was \$14,119,182, which was significantly below the Engineers' estimate and also below the low bid amount. Mn/DOT estimated that the innovative option using SPMT, while saving construction time, did incur \$800,000 in additional costs as compared to the traditional alternative.

The Maryland Ave. bridge reopened to traffic on September 30, 2012, about 30 days later (figure 82) for a total closure (demolition to open to traffic) of 60 days.