

TRANSPORTATION ENGINEERING

MAY 2006 TO JULY 2009

CONSTRUCTION COST:

\$4.2 MILLION

KEY PROJECT STAFF:

MINAL HAHM, PE, CFM
PROJECT MANAGER

MATT HAHM, PE
PROJECT ENGINEER

ANDY WELLS, EIT
STAFF ENGINEER

PRIME:

HNTB CORPORATION

CONTACT:

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SERVICES & SOLUTIONS

- Hydrologic & Hydraulic Analyses
- Zero Impact Design
- WisDOT Hydraulic Division Approvals
- Structure Survey Report (SSR)

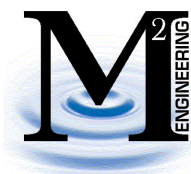


USH 41 RECONSTRUCTION

BROWN COUNTY, WI

M Squared Engineering, LLC (**M²**) is working with HNTB on the USH 41 Reconstruction Project (Preliminary and Final Engineering). This project connects the Chicago-Milwaukee metropolitan area with the Fox River Valley industrial area and recreational areas of northeastern Wisconsin and upper Michigan. Increasing demands on USH 41 call for expansion from a four-lane divided arterial freeway to six lanes in Brown County from Orange Lane to Glory Road. The project includes the reconstruction of the existing interchanges to today's design standards in order to handle future traffic volumes. The Brown County portion of the overall project involves the reconstruction of the mainline from four to six lanes between Orange Lane and Glory Road and the reconstruction of the interchanges at CTH F (Scheuring Road) and CTH G (Main Avenue).

During the Preliminary Engineering phase, **M²** completed SSR hydraulic analyses for five bridge crossings over Ashwaubenon and Hemlock Creeks. In addition, hydrologic analysis was performed by **M²** to verify FEMA flow values. During the final engineering phase, we will be providing innovative stormwater management design for two detention facilities in conjunction with complex storm sewer and culvert design/analysis.



M SQUARED ENGINEERING, LLC

...where engineering solutions meet water quality...