

# INTERSECTION DESIGN STUDY

## STERLING, ILLINOIS



### *Services Provided*

LAND PLANNING

LAND SURVEYING

CIVIL ENGINEERING

CONSTRUCTION STAKING

CONSTRUCTION OBSERVATION

### *Project Description*

CLIENT: Whiteside County

LOCATION: Il. Rt. 30 & Mathew Rd., Sterling, Illinois

PROJECT COST: \$1,080,000

COMPLETED: 2005

DESCRIPTION: Strict coordination between Wendler, IDOT, Wal-Mart and Whiteside County to make improvements to Mathew Road & Rt. 30 to handle new traffic produced by Wal-Mart Distribution Center. The distribution center is estimated to produce 1,100 trucks per day or 1.3 trucks per minute, 24 hours a day. To accommodate this, right and left turn lanes were added to Mathew Road & US Rte. 30, along with the realignment of Mathew Road. Specific services included box culvert design, roadway design, traffic control design for stage construction, hydraulic analysis, intersection design study and storm sewer design.



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