

# Algonquin Road Reconstruction and Widening

PATRICK ENGINEERING | ACEC Illinois 2010 Engineering Excellence Special Achievement Award



Patrick Engineering was retained by the McHenry County Division of Transportation to prepare plans for the reconstruction and widening of Algonquin Road from IL Route 47 to Randall Road. The purpose of the project was to improve safety and alleviate congestion.

Patrick utilized a comprehensive roadway design process, preparing contract plans, specifications, and estimates, for the approximately five mile project. The roadway was widened from a historically rural two lanes to a modern five lane roadway with a raised landscaped barrier median. Multiple complex design elements were encountered during design and construction including sensitive environmental issues, poor soil conditions and extensive utility coordination relocations.

## PROJECT HIGHLIGHTS

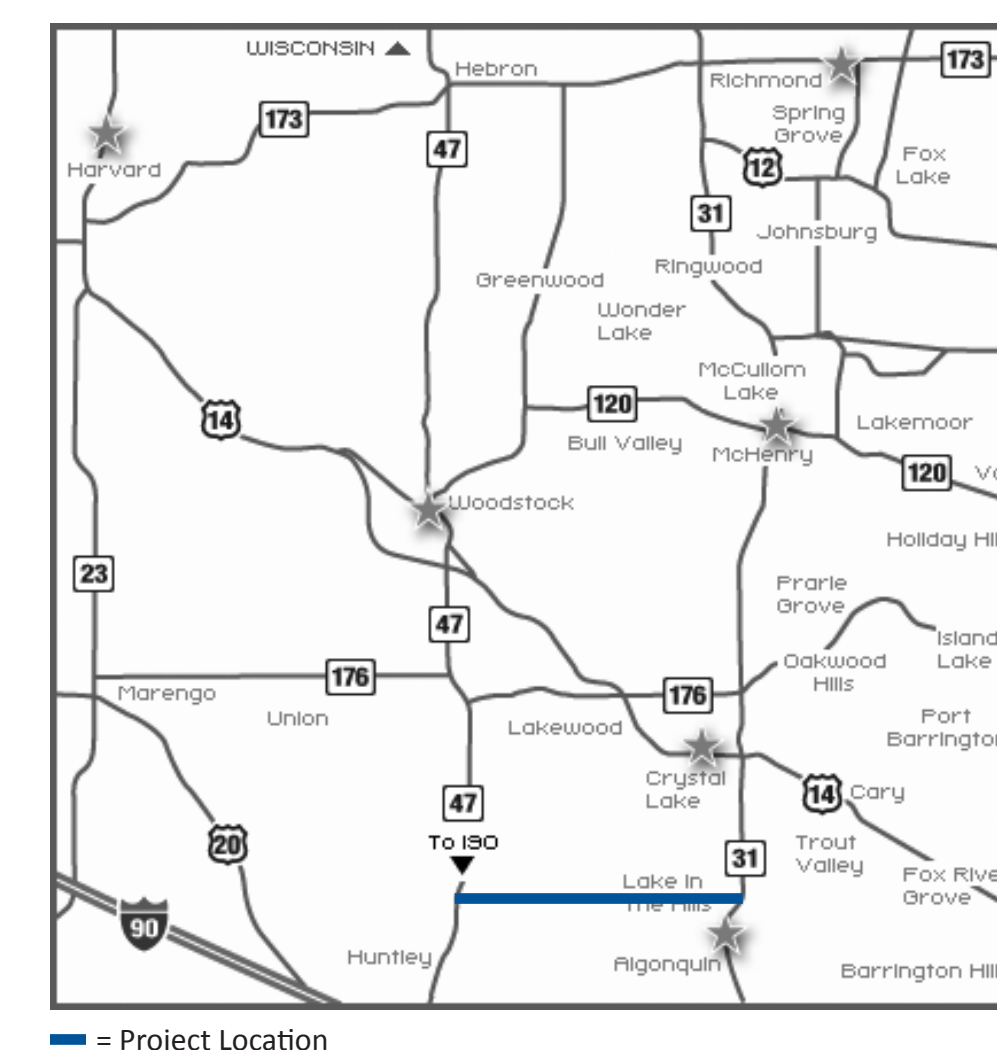
- Innovative Design
- Usage of Engineered Fill
- Public Interaction and ROW Acquisitions
- Endangered Species Mitigation
- Park Creation
- Best Management Practices
- Utility Conflict Resolution
- Construction Website
- Community Outreach & Information

**Firm |** Patrick Engineering (Design Consultant)  
Bollinger, Lach & Associates (Construction Consultant)

**Client |** McHenry County Division of Transportation

**Project |** Algonquin Road Reconstruction and Widening

**Location |** Southeast McHenry County, Illinois



— = Project Location