



## **ABIGAIL A. LISIUS, EI** **Project Engineer**

Ms. Lisius joined the company in August of 2001. Abby's responsibilities include engineering & site design, gathering field information and providing traffic analysis. Her skills include:

### **Skills Summary**

- **Transportation Engineering** – Preparation of traffic impact studies for commercial and residential developments, scoping studies for roadway improvements, signalized and un-signalized intersection analysis, geometric improvement design, traffic signal timing, and managing data collection activities.
- **Site Planning & Design** – Roadways, parking facilities, commercial parks, industrial parks and residential development projects.
- **Sanitary Engineering** – Soil and percolation testing. Design and analysis of on-site wastewater disposal systems including conventional and mound systems.
- **Stormwater Management / Hydraulic Engineering** – Design of various stormwater systems including open channels, closed pipe systems, detention facilities, best management practices, hydraulic analysis and hydrologic computer modeling.
- **Site Lighting** - Design and photometric analysis using computer modeling.
- **Permit Acquisition** – Local and state approvals including Act 250, subdivisions, zoning, indirect source air pollution, wastewater and water supply, wetlands and stormwater.
- **Construction Phase Services** – Prepares bid documents and specifications, construction cost estimates, performs field observation, and reviews shop drawings.

### **Work History**

Ms. Lisius graduated from Michigan Technological University in May of 2001, earning a Bachelor's Degree in Civil Engineering. Prior to graduation, Ms. Lisius worked for the Waukesha County Department of Transportation, where she worked as a summer intern participating in traffic data collection, construction inspection, and pavement inspection.

### **Professional Registrations & Affiliations**

- American Society of Civil Engineers
- Institute of Transportation Engineers
- Professional Development Courses:
  - Timing Traffic Signals using TEAPAC, PASSER, TRANSYT, & CORSYM: Univ. of Wisconsin - Madison
  - Computer Lighting Calculations for Industrial and Retail Applications: Holophane Light & Vision Institute

### **Education**

- B.S. Civil Engineering - Michigan Technological University