



ABIGAIL A. LISIUS, P.E. **Project Manger / Engineer**

Ms. Lisius' responsibilities include project management, engineering & site design, gathering field information and providing traffic analysis. She coordinates with clients and other disciplines as well as interacts with regulatory agencies. Abby's 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 joining TCE in 2001, 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

- Professional Engineer – State of Vermont
- Class A Licensed Designer
- American Society of Civil Engineers
- Institute of Transportation Engineers
- Professional Development Courses:
 - Traffic Signal Design and Operation: Univ. of Wisconsin - Madison
 - 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, 2001**
Michigan Technological University