



CAPABILITY STATEMENT

CORE COMPETENCIES

Lake Effect Engineering is a woman owned and operated, WBE certified, engineering firm with a combined experience of over 35 years in electrical engineering and construction administration.

We specialize in electrical engineering projects from initial design through construction administration and project close out. Our ability and dedication to providing our clients a completed project, with professional expertise and personal focus, has allowed us to build and maintain partnerships with clients ranging from small independent architects to major world class universities.

TYPE OF DESIGNS/CONSULTING OFFERED:

POWER DESIGN – Entire power distribution for a building or an entire site. Short circuit analysis, panelboard sizing, receptacle layouts, motor connection and sizing, etc.

LIGHTING DESIGN AND SYSTEMS – Design of building, site and roadway lighting layouts to obtain proper lighting levels for various interior and exterior applications. This includes lighting controls and emergency lighting calculations that meet state codes and ASHRAE lighting efficiency requirements.

FIRE ALARM SYSTEMS – New layout or renovating an existing building to bring up to State Codes.

TECHNOLOGY INFRASTRUCTURE – Layout and infrastructure of cabling, data devices, tying into head end equipment, etc.

SOUND SYSTEM DESIGN AND LAYOUT – Sound layouts to obtain appropriate sound levels, clarity, and products fit for the application.

SECURITY SYSTEM DESIGN – CCTV camera systems, Access Control (proximity readers, keypads, biometric readers networked together), Intrusion Detection (Motion Detection, Glass Break Sensors, etc.)

PAST PERFORMANCES

Purdue University Terminal Building Transformer Replacement

The complete replacement of high voltage underground lead to copper feeders on the Purdue airport site, and replacement of the transformer at the Terminal Building. Design also included replacement of electrical panels within entire building, and upgrade of emergency lighting.

Purdue University Fire Alarm Replacement

Lake Effect Engineering has designed the fire alarm system replacements and upgrades for over 20 buildings on all 3 Purdue campuses, as well as monitoring through construction. This includes campuses at West Lafayette, Westville and Hammond, Indiana.

Highway 421 Bridge Replacement Michigan City, IN

Lake Effect Engineering provided the design of all lighting on the bridge, including site pole lighting, underbridge lighting, indirect lighting for lettering on side of bridge, and flagpole lighting.

CONTACT INFO

LAKE EFFECT ENGINEERING

JANINE WEBER | 219.617.1448

lakeeffect@csinet.net

Located in Michigan City, IN

COMPANY DATA

DBE, WBE
CERTIFIED

NAICS Code:
541330

