



D&B ENGINEERS AND ARCHITECTS, P.C.

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Lighting Systems

SERVICE OUTCOMES:

Energy Efficient Systems
Municipal Facilities
Site and Parking Lot
Recreational, Parks, and Swimming Pools
Streetlight Maintenance Contracts
Energy Studies



D&B Engineers and Architects, P.C. (D&B) has vast experience in electrical design that includes energy efficient lighting systems for municipal wastewater treatment and water supply facilities, industrial facilities, office environments, parking lots, roadways, swimming pools and parks.

Our electrical engineers have a thorough working knowledge of energy code compliance and Illuminating Engineering Society (IES) requirements for various facility types. D&B has completed numerous designs utilizing LED fixtures, which result in greater efficiency and reduced maintenance costs. Our expertise includes:

- Lighting design in explosion hazard areas
- Emergency lighting
- Development of street lighting maintenance contracts for municipalities
- Field measurement of lighting levels to verify compliance with IES guidelines

- Control strategies, such as dimming, occupancy sensors, timer, photocell
- Site surveys to verify existing lighting systems and related energy usage
- Dark sky compliance
- Structural foundation design for light poles
- 3D Modeling using BIM and Revit

During the construction phase, D&B is qualified to perform construction cost estimates, review shop drawing submittals, and provide inspection services.