# DAVID C. KANE, LC

### *Career Summary:*

David brings 38 years of diverse lighting experience, ranging from designing PoE control systems for large commercial applications to creating streetscapes to enhance a commercial theme, David has been designing lighting for his entire career and is an expert at design continuity, lighting roadways, highways, intersections, and everything in between. He also has designed lighting in commercial applications such as multi-story office towers and high-end multimillion dollar residential projects. In addition, David takes pride in his customer relations and is adept at project management and education.

### *Project Summary:*

**Project Reviewer-QA/QC for I-35 NEX Central Lighting Quality Control TxDOT** The Texas Department of Transportation (TxDOT) is expanding approximately 19.5 miles of interstate highway I-35 in Bexar, Comal, and Guadalupe Counties, Texas. The I-35 project involves the construction of two non-toll 15-mile-long elevated bridges between the I-35 main lanes and frontage roads. The elevated lanes will provide one high occupancy vehicle lane and two general-purpose lanes in each direction. In addition to the elevated lanes on either side of I-35, the mainline lanes of I-35 will be widened for the addition of two general-purpose lanes. The design-build project also includes revisions to ramps and frontage roads to transition the elevated lanes and connectors with the existing highways. Wi-Skies has the distinctive opportunity to provide quality control and design oversight for lighting of the entire project, which encompasses the entire 19.5 miles of the interstate. Our role includes conversing with three design firms and the overall PM to make sure uniform lighting is provided throughout the project. Multiple drawing packages need to be reviewed and TXDOT specific lighting requirements must be adhered to. The complexity of this layout of highway makes it imperative the lighting is designed correctly and the lighting on the pavement is uniform so that motorists navigating this stretch of extremely busy highway can do so safely and effectively.

**Lead Lighting Designer for SR 365 at Howard Road Roundabout Project** Georgia DOT is designing a new bridge over SR 365 at Howard Road to eliminate a high-speed intersection, which is expected to have a significant traffic increase due to the construction of Lanier Technical College adjacent to the intersection. The new bridge will be bookended by roundabouts and will allow for a safer traffic route across SR 365. As the Lead Lighting Designer, David was responsible for the lighting of both roundabouts, pole placement, lighting photometrics, voltage drop calculations, and product quantity calculations for both roundabouts as well as the access road for each. David also worked with the State and local contractor to coordinate the Service Points needed and updated construction drawings as necessary.

**Lead Lighting Designer for Sandy Springs RTA Expansion Project** The City of Sandy Springs is expanding pedestrian areas and Road Transit Access along the main North/South highway in the city. The highly commercial corridor begins at Meadowbrook Dr and ends at Northwood Dr and includes intersections with Windsor Parkway, Glenridge Dr and Lake Placid Dr. The lighting requires the use of their decorative fixtures, placed dependent on their location to driveways, entryways, and intersections as visible identifiers both during daytime and nighttime. As the Lead Lighting Designer, David was responsible for the lighting and pole placement, lighting photometrics, voltage drop calculations, and product quantity calculations. As this is an expansion to an existing area, it was crucial to observe City Standards to maintain the current look, continuity, and lighting levels. David also worked with the City and local contractors to coordinate the placement of the light poles in relation to existing trees and commercial structures.

**Lead Lighting Designer for US 701 Bridge over Cape Fear River** The State of North Carolina is adding lighting to a Bridge on US 701 over the Cape Fear River. The existing 1250’ long bridge was being reconstructed when lighting was added to the project. As one side of the bridge was already constructed, all four lanes of traffic had to be lit from only one side of the bridge, posing a design challenge. As the project was under construction, the lighting design had to be completed in a matter of only a few weeks, complete with light pole mounting details as part of the revised bridge plans. David was responsible for the lighting and pole placement, lighting photometrics, voltage drop calculations, project documentation, and product quantity calculations.


### *Contact Information:*

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### *Education:*

- B.A. Theatrical Lighting University of Minnesota 1984

### *Certification:*

- LC, Lighting Certified by NCQLP

### *Areas of Expertise:*

- AGI32 Lighting Software
- Visual Lighting Software
- Lighting Control
- AutoCAD

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**Contributing Lighting Designer for Effingham County Roundabouts** Effingham County, GA is developing plans for eight total roundabouts throughout a business development area. These roundabouts will increase travel speeds through the area, as well as decrease the seriousness of traffic accidents at some of the intersections. Each of the eight roundabout sites require lighting, both within the roundabout circle, but also at each crosswalk, and along each approach leg, in accordance with IES standards. David is responsible for the lighting design, pole placement, IES lighting compliance, and design documents.

**Lead Lighting Designer for North Point Parkway Streetscape Project** The City of Atlanta is redesigning a roadway at an entrance to a major shopping mall in order to slow down traffic and increase the ability of pedestrians to travel more safely. The lighting in the project addresses the roadway lighting, the intersections, the crosswalks, as well as the sidewalks. David was responsible for balancing the lighting standards with the decorative look of using both a decorative light for the sidewalk illumination and a roadway fixture to light the roadway and intersections. The project required lighting and pole placement, lighting photometrics, voltage drop calculations, and product quantity calculations. David also coordinated with the contractor to optimize the design and cost of the cable runs needed.

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