Duke Energy Progress Roadway Lighting Requests

REQUIREMENTS (EXCLUDES SUBDIVISIONS)

1. Requests must be in writing with checklist attached.

2. Please provide recommended lighting levels. Road classifications (and subsequent lighting levels) are established from a combination of Municipality zoning and NC DOT classifications and must be established by the NC DOT prior to design. (Please refer to APPENDIX B for additional information).

   a. **DOT Roads**: Send classification request to Greg Hall via e-mail @ rghall@ncdot.gov, (919) 707-6247. His office, Roadway Design Unit, is responsible for NCDOT road classifications. Please include:

      a. Name of roadway and NCSR number.
      b. Vicinity Map (Show roadway location).
      c. Beginning and End Point of lighting limits.
      d. Area Classification if within corporate limits.

   b. **City or Municipality Roads**: If the request is not for DOT roads, the Municipality should stipulate their lighting levels or light to DOT requirements. The Municipality is responsible for providing the "Area Classification" even if the road is a DOT road within the corporate limits.

ADDITIONAL INFORMATION REQUIRED FROM MUNICIPALITY:

1. Is this request only for an estimate for future budget purposes or for actual construction plans?

2. Roadway name including beginning and end point of project limits for lighting design (Plans of roadway including road sections if available).

3. Projected date for the street light installation.

4. UG or OH system.

5. Pole Type – Wood or Fiberglass, Black, etc.

6. Standard Lighting Fixture Type is cobrahead. Special types require special design. (Black, Special Poles).

7. Preferred lighting configuration - Opposite/Staggered/no preference (i.e. leave it up to the designer).

8. Road Cross Section including Road right-of-way width, pavement width and width of median if applicable (usually provided w/developers drawings or electronic files).
9. Does this project correlate with road construction? Please provide electronic drawings in either AutoCAD or Microstation format. Please provide pen tables if AutoCAD. Include type of curb & gutter for new construction: non-mountable with 6” rise; valley type or none.

10. In order to meet NC DOT clear and recovery zone requirements, the requestor must provide right of way for lighting system. This includes adjusting sidewalks to accommodate poles within road right of way. If sidewalk adjustment is not possible, requestor is responsible for obtaining additional right of way from property owners.

Duke Energy Progress WILL DESIGN SYSTEM, PROVIDE ONE COPY OF DRAWINGS TO REQUESTOR AND FILE THE ENCROACHMENT WITH NCDOT OR SUBMIT TO THE MUNICIPAL OFFICIALS FOR APPROVAL. CONSTRUCTION WILL COMMENCE AFTER DOT APPROVAL AND CONTRIBUTIONS HAVE BEEN PAID.
Exhibit A
Checklist for Roadway Lighting Requests
Please fill in and return

1. Requestor: Town/City ___ Developer ___ (please check one)
   Name of Developer/Town: ____________________________
   Contact Name: ________________________________
   Duke Energy Account #: ____________________________
   Phone #: ________________________________
   Email address: ___________________________________

2. AASHTO Classification for Roadway: __________________________________
   a. Average Maintained Foot Candles ______ Uniformity Ratio ______

3. Funding Available: Yes____ No____

4. Name of Roadway: ____________________________ NCSR # ______
   a. From: ____________________________ To: ____________________________
   b. Is this a continuation of an existing lighting system? Yes____ No____

5. Date needed: ____________________________ (Please allow 6 months for DOT)

6. OH____ or UG____ System

7. Pole Type: Wood____ Fiberglass____ Special (please provide details)____

8. Standard Fixture: Yes____ No____

9. Lighting Configuration: Opposite____ Staggered____ Design determined____

10. Lighting to be installed outside of road right-of-way: Yes____ No____.
    a. If yes, has additional right-of-way been secured to accommodate lighting: Yes____ No____

11. Roadway right-of-way width: ______(include road cross section)
    a. Type of curb: 6 “ Non-Mountable_____ Valley type_____ None____

12. Electronic drawings provided: Yes____ No____
    a. Contact Person_________________________Phone: ______________________

13. Proposed roadway construction: Yes____ No____
    a. Project name/number: ______________________

The Requestor, (name here) hereby acknowledges abnormal charges
and authorizes Duke Energy Progress to proceed with the design and also acknowledges lights will be
energized and billed upon installation.

Town/City
Signed: ____________________________
Title: ____________________________
Date: ____________________________

Developer
Signed: ____________________________
Title: ____________________________
Date: ____________________________

Lighting systems installed on highway rights-of-way must meet acceptable design criteria. The “Utility Manual” (Policies and Procedures for Accommodating Utilities on Highway Rights of Way) requires specific information in the Encroachment Agreement package. This information is necessary for a thorough review of the lighting design. A vicinity map that shows the location of the roadway is required, so the roadway classification can be determined. A lighting layout is required, which gives an indication of the type development adjoining the roadway, so the area classification can be determined. With the roadway classification and the area classification, the lighting design can be checked to ensure that the proposed lighting system is in reasonable conformance with the American Association of State Highway and Transportation Officials (AASHTO) guidelines.

Lighting designers have requested that DOT provide the roadway classification before preparing the Encroachment Agreement package. To accommodate their request, DOT needs the same information available in the required encroachment documents: a vicinity map and the area classification. Upon written request, DOT will provide the roadway classification and the lighting design criteria. The following information should be submitted when requesting a roadway classification.

1. Vicinity Map: This is a small sketch showing the location of the encroachment. It should show route numbers (SR, NC, Interstate, etc.) and road/street names. It should be large enough for someone unfamiliar with the area to be able to locate the encroachment.

2. Area Classification: This is a statement provided by the municipality where the lighting encroachment will be installed. According to AASHTO, the three area classifications for lighting design are Commercial, Intermediate and Residential.