DESIGN CHECKLIST FOR

ROADWAY LIGHTING

System designed by:  Design consultant  Traffic (In-house)  PDS (In-house)

Project ID (Design / Const)

Description

Highway                 County

Designer Name (print/type)                      Signature

**Coordinate Lighting Design Process @ approximately 30% Plan**

Contact Region Traffic Section about the need for a lighting system on the project. Identify project segments.

Prepare description of Lighting System and prepare & submit Roadway Lighting System Request Form DT1198.

**Consult current Chapter 11 of WisDOT Traffic Guidelines Manual**.   
Determine all Design Guidelines, Roadway and Area Classifications and Target Illumination Thresholds for the various project segments.   
**Obtain approval from Region Lighting Engineer in Traffic Section.**

Verify Luminaire used in the design.

Prepare Preliminary Permit Application form, Continuous Lighting Illumination Form, Signalized Intersection Illumination Form, or Roundabout Illumination Form.   
**Obtain necessary Approval(s) before beginning the Design.**

**Preliminary Review @ approximately 60% Plan**

AGI32 Roadway Optimizer calculations for continuous roadway sections (Avg. Maintained Illumination, Uniformity) showing compliance with Application or Illumination form)  N/A

AGI32 calculations for Roundabouts showing compliance with Application or Illumination form)  N/A

AGI32 calculations for Signalized Intersections showing compliance with Application or Illumination form)  N/A

Preliminary Plan with proposed luminaire/pole locations

**Final Review @ approximately 90% Plan**

Submit to Region Traffic Section Lighting Engineer, with copy to State Lighting Engineer:

Completed Lighting Permit (if applicable)  N/A

Lighting Plans (See FDM 15-1 Attachment 5.14 Sample Design Sheet). Include applicable plan details.

Miscellaneous Quantities

SPVs

Wiring Diagram per Sample Design Sheet

List of SDDs included in the Lighting Plan

Voltage Drop Calculations for lighting (include festoon outlets where applicable)

This Completed Checklist signed by Designer.

**The following shall also be verified/checked by designer**

Miscellaneous Quantities/SPVs match the Plans.

SPVs for luminaires on permitted projects specify compliance with permit conditions.  N/A

On permitted projects, if banners, holiday decorations, or festoon outlets are to be installed or attached to the poles, the dimensions and locations must be included and shown on a detail drawing. The pole manufacturer needs this information for their pole design calculations.  N/A

The Designer has checked the design for completeness and correctness.