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.