STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
TRAFFIC OPERATIONS DIVISION
SUITE 1200 JAMES K. POLK BUILDING
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JOHN C. SCHROER
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GOVERNOR

TRAFFIC OPERATIONS MEMORANDUM NO. 1802

Roadway Lighting Plan Submission Requirements

Effective October 5, 2018 Letting (July 25, 2018 Turn-in), the following information is required to accompany all review plan submissions for Roadway Lighting.

1. Geometrics of the roadway.
2. Longitudinal location of luminaire along the roadway.
3. Cross-section of the bridge showing the location of poles or luminaires (top of bridge or underpass).
4. TDOT uses the illuminance method for lighting design. TDOT manager's approval is required when using a different method.
5. Photometric layout and statistics data used in the design.
6. Luminaire wattage, type, initial lumen rating, and light loss factor for each type of proposed luminaires in the plans.
7. Mounting height and type of poles to be used.
8. Station and offset for each proposed luminaires.
9. Average maintained horizontal footcandle level, and maximum footcandle.
10. Minimum horizontal footcandle level.
11. Character of the existing street lighting at each end of the proposed new system and on the intersecting roadways.
12. Completion of the appropriate roadway lighting checklist for the particular project phase (See Appendix E in the TDOT Traffic Design Manual).

Upon request and when available, the Department will provide prints of the highway construction plans for use as a base for proposed lighting plan.

P. Brad Freeze, PE
Director
Traffic Operations Division

PBF:SKB
5/17/2018