Three (3) copies of the drawings must accompany the utility permit application.

Permit Number _____

CONTROL _____ **SECTION** _____

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
UTILITY PERMIT SUPPLEMENT
Rev 3/13

CERTIFICATION FOR PERMIT LIGHTING

OWNER _____

This check list is required to be completed and signed by the owner applying for the permit.
Illumination and electrical design shall comply with the "LADOTD GUIDE TO CONSTRUCTING, OPERATING, AND MAINTAINING HIGHWAY LIGHTING SYSTEMS." This document may be found at:
http://www.dotd.la.gov/highways/project_devel/design/documents/Lighting_Guide_rev_200601.pdf

The following is additional data that must be included with the lighting permit or the application will be denied.

☐ A complete layout of the roadway lighting system must be provided on one of the following sheet sizes and scales:

22"x34" → 1" = 100'; 11"x17" → 1" = 200'

Drawings are to show the complete roadway and locations of all proposed electrical service points, poles, luminaries, conduits conductors, or aerial conductor highway crossings (underground or above ground), etc. Include on each sheet a Sheet Legend, North Arrow, and Scale to describe equipment and features on the sheet or plan stamped by an engineer licensed by the state of Louisiana.

☐ Photometric Report. The report shall be developed by a factory designated or consulting lighting engineer. The report shall include, but not limited to, the following:

1. Average illuminance, Average to Minimum ratio, and Veiling Luminance Ratio (Lv Ratio) calculations. The light loss factor (LLF) shall be 0.80 for all calculations. NOTE: Lv Ratio calculations are only required if a request is made to waive the minimum 30' luminaire mounting height.
2. Luminaire ".ies" data filename.
3. Luminaire description, mounting height, and offset from travel lane(s).
4. Highway information such as Type (i.e. R1, R2, etc.), Classification (i.e. Arterial, Collector, Local, etc.), No. of Lanes, Median Width, Shoulder Width, etc.

☐ The following data must also be included with the permit:

1. Structural fabrication drawings from the manufacturer of the light pole(s), luminaire arm(s), and impact attenuation (breakaway) device(s) if the light pole is steel, aluminum, or fiberglass. If the Pole is an existing or new wood utility pole, only a cut sheet(s) of the luminaire mounting bracket or luminaire arm is required.
2. A manufacturer's catalog cut sheet(s) on the luminaire. Information on the cut sheet(s) must be marked to show the selected pertinent information such as the Wattage, Type (i.e. High Pressure Sodium, Mercury Vapor, etc.), Voltage, Photocell, Type Distribution, etc. NOTE: For roadway lighting installations on state highways, low mast luminaires shall comply with vibration test levels in accordance with ANSI C136.31 "Bridge/Overpass Applications". High mast luminaires shall comply with vibration test levels in accordance with ANSI C136.31 "Normal Applications"
3. Manufacturer catalog cut sheets on the lighting controller(s), disconnect(s), ground rod(s), ground connector(s), conduit, conductors, circuit breakers, fuses, splices, termination devices, contactors, enclosures, junction boxes, service equipment, etc.

☐ The complete electrical and illumination system, including plans, calculations, and photometric report, shall be stamped and signed by a licensed Electrical Engineer registered in the State of Louisiana and installed without violation of NEC.

☐ All structural design components, plan sheets and calculations, including but not limited to light poles, foundations, guard rail layouts, and anchor bolts, shall be stamped and signed by a licensed Civil Engineer registered in the State of Louisiana.

Verification of Completion:

_____
(Signature of Owner, required) (Date)

_____
(Signature Engineer of Record, Electrical, required) (Date)

_____
(Signature Engineer of Record, Civil, required) (Date)