

ELECTRICAL

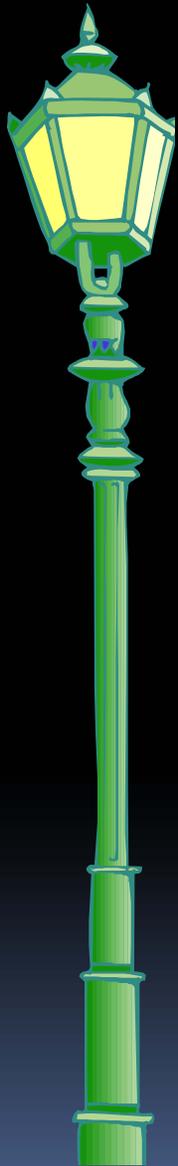
Designing Your System

⚡ Misconceptions

⚡ LADOTD has specific requirements covering the design of Electrical Systems

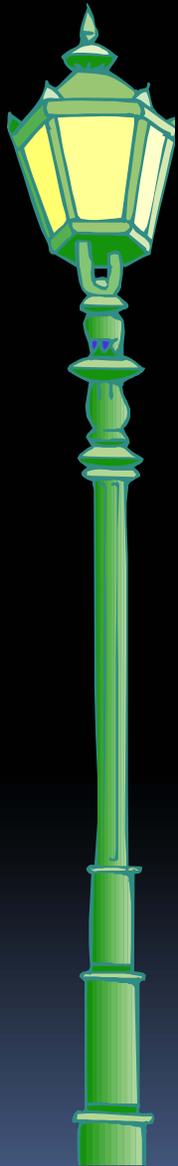
⚡ Designs shall be certified by an Electrical Engineer licensed and active in the State of Louisiana

⚡ The Design Engineer shall have professional knowledge and experience to provide a design that meets the identified purpose, includes equipment fit for its intended use, and is safe to construct, install and operate



ELECTRICAL Requirements

- ⚡ For all lighting projects, a Photometric Report must be submitted to LADOTD for review. This report contains critical calculated statistical data describing the illumination of the designed lighting system
- ⚡ General Requirements, Specifications, Notes, Layouts, Details, and Equipment Lists must be included within the design
- ⚡ Electrical calculations such as Voltage Drop, Fault Analysis, Conduit Fill, etc. must be submitted as separate documents prior to the final design

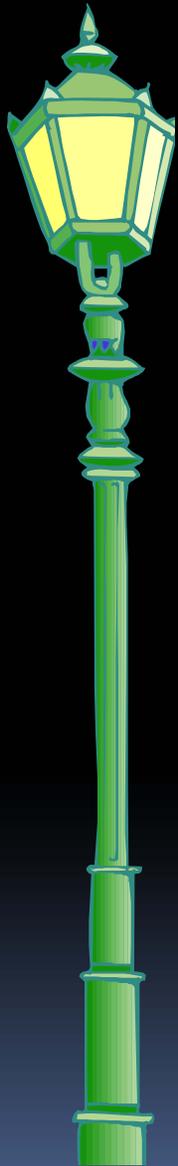


ELECTRICAL Standards

- ⚡ LADOTD's Illumination standards for state highways is specified within "*A Guide To Constructing, Operating, and Maintaining Highway Lighting Systems*" which can be found on the web at:

http://www.dotd.la.gov/highways/project_devel/design/documents/Lighting_Guide_rev_200601.pdf

- ⚡ The material presented in LADOTD's guide establishes uniform procedures and standards for constructing and maintaining roadway lighting systems on state right of way

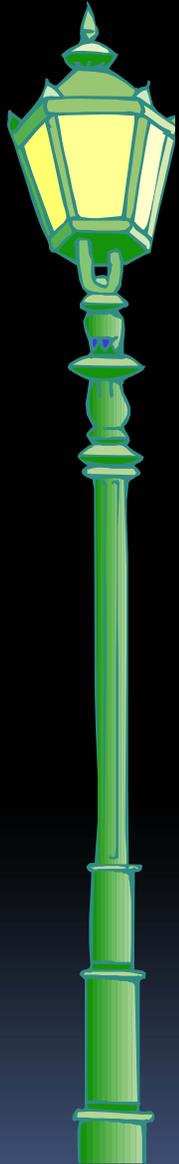


ELECTRICAL Standards

LADOTD's Illumination standards for Sidewalks, Parking Lots, Facilities, etc. is specified in current editions of:

- Illuminating Engineering Society of North America (IESNA) "Lighting Handbook"
- American Association of State Highway and Transportation Officials (AASHTO) "Roadway Lighting Design Guide"
- American National Standards Institute (ANSI)/IESNA RP-8 "American National Standard Practice for Roadway Lighting"

We recommend Lighting Designers obtain these standards for their design



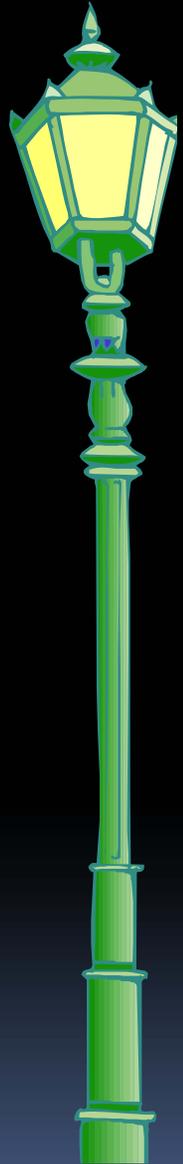
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Contact Information

For additional information or assistance, please contact Michael Armentor at LADOTD Bridge Design, Electrical:

☞ Phone: 225-379-1088

☞ Email: michael.armorator@la.gov



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Questions