

**ADMINISTRATIVE CODE
BOARD OF COUNTY COMMISSIONERS**

CATEGORY:
Transportation and Traffic Management

CODE NUMBER:
AC-11-2

TITLE:

Urban Arterial Street Lighting Program and
Procedures to Provide Street Lighting at
Intersections

ADOPTED:
08/07/85

AMENDED:
01/04/95; 03/24/98; 01/28/03; 08/01/06

ORIGINATING DEPARTMENT:
Department of Transportation

PURPOSE/SCOPE: This policy repeals and replaces the existing Administrative Code No. 11-2, as amended on January 28, 2003.

This policy establishes the criteria to be used to install County approved street lighting at intersections of County maintained roads and continuous street lighting along roadways maintained by the County or those State highways in the unincorporated areas of the County. It also establishes the program to install, maintain and operate these lighting systems, and establishes that the perpetual operation and maintenance of County approved street lighting on urban arterial roadways under County jurisdiction to be designated as a Core Level of Service.

POLICY/PROCEDURE:

A. INTERSECTION LIGHTING

Illumination of Intersections will be evaluated using the following criteria:

1. Signalized intersections.
2. At the intersection of arterial and collector roads.
3. At other intersections provided:
 - a. The side street traffic approaching the intersection is 40 or more vehicles per hour for any two-half hour periods during the time between sunset and midnight; or
 - b. There have been five (5) accidents during a twelve (12) month period, which may have been prevented had illumination been provided; or
 - c. Both criteria 3.a, and 3.b are 80% satisfied.

Procedure for Submitting Requests for Illumination of Intersections:

1. Anyone desiring to have an intersection illuminated in accordance with criteria listed in #3 above, must submit a written request to the Department of Transportation's Traffic Section.

2. The Traffic Section will evaluate the request using the criteria stated above, and estimate the cost of electricity for the remainder of the fiscal year and the next fiscal year.
3. If the request meets any of the criteria and funds are available within the budget, a request must be sent to the appropriate electric utility company requesting installation of the lights and authorizing billing.
4. If the request meets any of the criteria and funds are not available within the budget, the request for illumination must be sent to the Board of County Commissioners, who will either authorize the funds for the electric bills and the installation of the remainder of the fiscal year, or direct that the installation be delayed until the next fiscal year.

New Construction Projects:

Illumination of intersections must be included as part of any new project:

1. that signalizes an intersection,
2. widens an arterial or collector road from two to four or six lanes or construct a new four lane facility, or
3. constructs a new arterial or collector road which intersects another arterial or collector road.

B. CONTINUOUS ROADWAY LIGHTING

The Board's policy will be to provide street lighting systems along the existing major county-maintained roadways in the urbanized areas of the County. The criteria for a roadway to have continuous lighting will be:

1. The roadway has the functional classification as an arterial.
2. The roadway is in an urbanized area of the County or has an annual average daily traffic (AADT) volume exceeding 20,000 vehicles.

For arterial roadways not exceeding the volume threshold, street lighting may be installed to enhance traffic safety with a documented nighttime crash history of at least 1.0 crashes per million vehicle-miles.

A program to install, operate and maintain street lights on the Urban Arterial Roadways will be implemented. Lee County DOT will develop an annual listing of those roadways to have street lighting installed. This listing will be prepared as part of the Capital Improvement Program.

This program will also assume the operating and maintenance of those street lighting systems funded through a Street Lighting District, and that are on urban arterial roadways. Those roadways, which have an existing enhanced level of service to include decorative fixtures and poles, would have all costs above the defined core level of service remain funded by the MSTBU program.

Enhanced or decorative lighting fixtures and poles will be permitted. The full installation costs and the increased maintenance and operating costs will be funded through a Street Lighting District in the MSTBU Program. Included in these costs will be the cost to maintain a stock supply of replacement fixtures and poles. The stocking quantity for a specific type of fixture and/or pole will be two (2) fixtures and/or poles for lighting districts having less than 60 of that type of fixture and/or pole or 5% of the number of the fixtures and/or poles installed along the roadway for districts with greater than 60 of that type of fixture and/or pole.

County Roadways:

The Board's policy will be to provide street lighting at signalized intersections and along county-maintained Urban Arterial roadways within the boundaries of any of the incorporated cities and towns, which meet the above criteria for continuous street lighting.

State Highways in the Unincorporated Areas:

The Board's policy will be to generally accept the maintenance responsibility of highway lighting systems on State Highways outside of any municipal boundaries, where the installation is funded by the Florida Department of Transportation. The County will not accept the direct maintenance responsibility of those lighting systems on a State Highway and within a municipal boundary.

C. LIGHTING FIXTURES, LAMPS AND POLES

Core Level (Typical) Lighting Fixtures:

The street lighting fixtures and poles to be used as a standard for illumination will be:

1. Fixtures: Mongoose, Turnpike or Cobra head style that are approved for use by the Chief Traffic Engineer.
 - Standard or cut off fixtures will be used as appropriate.
2. Lamp: High Pressured Sodium (HPS) that are approved for use by the Chief Traffic Engineer.
3. Pole and Arm: Spun Aluminum that are approved for use by the Chief Traffic Engineer.

Enhanced Level (Decorative) Lighting Fixtures:

The street lighting fixtures and poles to be used for enhanced levels of illumination will be considered based on the site conditions present and the illumination needs. Lee County DOT will approve or disapprove all fixtures and poles to be used for enhanced levels. As outlined previously, a street lighting district will need to be formed in order to pay for these fixtures to be installed and the fixtures to be kept in stock for repairs and replacements as well as increased costs to operate and maintain these streetlights. Special lighting fixtures and/or poles, which become a significant maintenance problem, or replacement parts are not readily available, shall be replaced by the street lighting district on a case-by-case basis.