

SECTION VIII: STREET LIGHTS

The following policy shall govern all installations of Street Lights within the city limits of Fort Worth, Texas. As used in this section, Director shall mean the Director of the Department of Transportation and Public Works, unless otherwise noted.

I. GENERAL

- A. The Director, or designee, shall approve the design, equipment and material that will be acceptable for all street light projects.
- B. All designs, plans, and specifications for installations of street lights shall be reviewed and approved by the Director. Requests for approval of designs other than the City's minimum standard design must include calculations demonstrating that the proposed design equals or exceeds the City's minimum standard design.

II. POLICY AND PROCEDURES

A. Street Lights

1. STREET LIGHTING ON RESIDENTIAL STREETS, LOCAL, AND COLLECTOR

(a) Street lighting shall be installed:

- (1) At all intersections.
- (2) At the end of all cul-de-sac and dead-end streets longer than 200 feet.
- (3) At all significant changes in direction of the roadway, defined as those where, when standing in the center of the roadway at one street light, you cannot see the next street light due to horizontal or vertical changes in the roadway.
- (4) As necessary to achieve an approximate spacing between lights of 300 feet, except that along a City park where the spacing will be reduced to 200 feet.

(b) The minimum standard design for local streets shall consist of a 100 watt high pressure sodium vapor luminaire, mounted at a minimum 25 foot height above the roadway surface on a galvanized pole, using underground wiring

(c) Steel poles and underground wiring shall be used at all new developments.

(d) Post top lighting is allowed provided that a complete neighborhood is installed in the same manner and the number of lights is increased to compensate for the lower light levels, and mid block lights will be placed approximately 150 feet apart

2. STREET LIGHTING ON COLLECTOR STREETS

(a) Street lighting shall be installed:

(1) At all intersections.

(2) At all significant changes in directions, defined as those where, when standing in the center of the roadway at one street light, you can not see the next street light due to horizontal or vertical changes in the roadway.

(b) The minimum standard design for collector streets shall consist of a 100 watt high pressure sodium vapor luminaire, mounted at a minimum 30 foot height above the roadway surface, on a galvanized steel pole using underground wiring.

(c) Steel poles and underground wiring shall be used at all new developments.

3. STREET LIGHTING ON ARTERIAL STREETS (MINOR AND MAJOR)

(a) Street lighting shall be installed on arterial streets to meet the lighting criteria of the American Association of State Highway and Transportation Officials (AASHTO) for major roadways.

(b) The minimum standard design for arterial streets shall consist of a 200 watt high pressure sodium vapor luminaire, mounted at a 38 foot height above the roadway surface on a galvanized steel pole, and minimum six (6) foot mast arm, using underground wiring at an approximate spacing of 200 feet apart.

(c) Any request to deviate from the above standards shall be accompanied with a report prepared by a professional engineer showing the roadway illumination levels and calculations to determine same.

4. STREET LIGHTING ON FRONTAGE/SERVICE ROADS

Street light installations on any frontage road, service road, or other roadway adjacent to an Interstate Highway, U.S. Highway, or State Highway will be determined by the Director subject to the approval of the Texas Department of Transportation on an individual basis according to current standards for roadway lighting.

III. ENGINEERING AND INSPECTION

(a) All street lighting installations shall be in accordance with design criteria and standard construction details developed by the Director. The Director shall identify street classifications, essential street lighting equipment, and construction requirements. Where there is a question as to equipment required, it shall be resolved in favor of additional street lighting.

- (b) Existing utility poles, where available at specific locations, and overhead wiring may be used under certain circumstances, subject to approval of the Director.
- (c) The developer shall furnish, at his sole expense, an exhibit at a standard engineering scale and a cost estimate together with his submittal of the request for a developer's contract. For phased developments, the developer shall submit an exhibit at a standard engineering scale showing the total development.
- (d) The developer shall submit construction plan sheets and standard construction details of all street lighting sealed by professional engineer as part of the construction.
- (e) The developer shall provide all necessary utility easements required for the street lighting system on the final plat.

IV. CONSTRUCTION

1. Street Light

- (a) The developer shall have the option to contract with the City to install the street light system. The developer will be required to provide all electric transformer tap information to be conveyed to the electric service provider. (Failure to provide such information could result in fines levied by the electric service provider for which the Developer will be responsible to pay.)
- (b) The developer may, at their sole cost and expense, purchase the poles, fixtures, and mast arms from the City in order to assure compliance with City material standards.
- (c) There will be a fee for City of Fort Worth street light crews to install final taps to the local utilities transformers and hand holes.
- (d) At the option of the City, an electric utility may be requested by the City to install all of the street light system including conduit and footings, in which case the developer will be responsible for paying the first twenty-four (24) months of service under special service rates agreed to by the City and the utility company.
- (e) Street lights along private streets shall be installed by a contractor employed by the developer.

V. FINANCIAL RESPONSIBILITY

New Development: The developer is responsible for 100% of the cost for installation.

VI. OWNERSHIP AND MAINTENANCE

All street lights installed in a dedicated public right-of-way under this policy shall be, and shall remain, the property of the City, and shall be operated and maintained by City.