



# THE CITY OF BELTON PUBLIC WORKS DEPARTMENT STREETLIGHT POLICY DEC 2012

## Overview

The City of Belton Streetlight Policy is intended to address five specific issues: design standards, installation, repair and maintenance, reporting of outages, and requesting new street lighting. A good street lighting system provides quick, accurate, and comfortable visibility at night. Good visibility may safeguard, facilitate, and encourage vehicular and pedestrian traffic.

## Design Standards

Street lighting in the City of Belton must meet design standards established by the American National Standard Practice for Roadway Lighting (ANSI/IESNA RP-8). These criteria are not to be a rigid set of rules that would restrict the design engineer from utilizing creative or original design; however these criteria may be modified only with prior authorization by the City Engineer or his/her appointed designee. Generally, the City Engineer or his/her appointed designee shall be responsible for determining the scope of a street lighting system. These criteria shall be adhered to for the design of all publicly-financed or privately-financed street lighting systems to be installed in the public street right-of-way or of major and minor arterial roadways.

**Illuminance Standards:** The street lighting design and layout shall be based on the illuminance criteria for continuous roadway lighting in the latest edition of the American National Standard Practice for Roadway Lighting, Illuminating Engineering Society of North America (ANSI/IESNA RP-8).

**Placement of Street Lights:** The street lighting system layout required is dictated by the street classification and is typically continuous. Photometric analysis shall be utilized to calculate the theoretical spacing of streetlights to meet the illumination standards for each street classification. The City Engineer or his/her appointed designee should be consulted to determine the appropriate street classification. The location and design of streetlights shall conform to the criteria in the City of Belton Design and Construction Manual.

## Maintenance

Maintenance of streetlights with the City of Belton is administered as follows:

- Downtown/Main Street – The City of Belton Public Works Department is responsible for maintenance of the streetlights along Main Street. To report an outage, contact the Transportation Division at 816-331-9455.
- Interstate 49/58 Highway/Y Highway/D Highway (Holmes Road) – The Missouri Department of Transportation (MoDOT) is responsible for maintenance along these



roadways. To report an outage, contact MoDOT’s Customer Service Department at 1-816-622-6500.

- All other streetlights are maintained by Kansas City Power and Light (KCPL). To report an outage, call 1-816-471-5275 for repair/replacement and press “1” when the recording begins. If you prefer, you can contact KCP&L at [www.streetlights@kcpl.com](mailto:www.streetlights@kcpl.com). It is important to provide your name and address, phone number, location of light, pole number, and problem with light. Normally the streetlight number consists of 2 letters followed by 4 digits located on the pole.

### **Residential Request**

Streetlights in a new neighborhood are required by the City of Belton and installed by the private developer. The sub divider shall agree to pay all costs of installation and all costs incurred by the city for said streetlights for a period of five years, with the exception of monthly maintenance/lighting costs after final acceptance by the City. The developer or his or her engineer shall contact KCP&L for design and placement of streetlights. The poles shall be metal and all electric lines shall be tunneled underground. The final layout shall be reviewed by the engineering division of the city for conflicts and location within easements. Any additional easements shall be acquired and recorded by KCP&L. Subsequently, citizens may request additional streetlights, based on the following policy:

A. Streetlights serving residential uses will be installed upon a citizen's request based on certain criteria being met and final approval from the City of Belton City Council. In subdivisions with existing underground utilities or other areas where there are installation charges to be borne by the City of Belton, streetlights will be erected upon request of at least 75 percent of the residents of the subdivision or area to be served. Such request shall be made by written petition on a form supplied by the City of Belton and attached to the end of this policy. After receipt of the petition, the Engineering Division of Public Works shall:

1. Assess the street lighting needs of the area including nearby areas which may logically and economically be included in a streetlight program. Assessment typically consists of the following actions:
  - 1) Proximity of other streetlight to location of requested light.
  - 2) Crime in the area.
  - 3) Amount of pedestrian traffic.
  - 4) Amount of vehicle traffic.
  - 5) Lighting budget (light requests may be held and considered for next budget year).
2. The assessment, budget, and KCPL provided costs for fixtures and monthly maintenance shall be presented to the City Council with copies of the petition and the Engineering Division’s assessment of the street lighting needs for the area. The City Council may deny the request for streetlights or approve the request. If approved, the Engineering Division shall schedule the installation of the lights with KCP&L.



### **Non-residential Requests**

Streetlights on the rights-of-way of public roads serving non-residential uses will be erected based upon streetlight plans and budgets prepared by Engineering Division as part of the Capital Improvements Program. Individual streetlights in commercial and industrial areas may be erected upon request based upon public safety concerns after review under public safety requests. Streetlights within new nonresidential developments shall be installed by the developer in accordance with the requirements of the Unified Development Code – latest effective version.

### **Public Safety Requests**

When a request of additional street lighting is made based upon public safety concerns, the Chief of Police shall:

1. In conjunction with the Engineering Division of Public Works, conduct an analysis of public safety problems in the area and whether such problems could reasonably be expected to be alleviated by additional street lighting.
2. Require that the area obtain a petition or statement from at least 75 percent of the residents or property owners in the area to be served requesting or supporting additional street lighting.
3. Develop an overall plan for the additional street lighting in conjunction with the Engineering Division of Public Works and KCP&L and determine the cost of both installation and annual service charges.
4. Prepare a report and recommendation to the City Council for approval along with copies of the petition and the costs involved.

### **Conclusion**

Each streetlight costs the City of Belton approximately \$31.00 per month in maintenance cost and the City anticipates yearly maintenance charges to KCP&L at \$311,000 in fiscal year 2014. This is approximately 13% of the annual Transportation Division's budget next fiscal year and this amount will continue to increase as additional lights are installed throughout the City. As a result, it is very important that all requests for streetlights are carefully considered and evaluated prior to installation. The proper use of roadway lighting provides economic and social benefits to the public such as:

- Reduction in night accidents and economic loss
- Aid to police protection and enhanced sense of personal security
- Facilitation of traffic flow

Where economically viable, it is important to install a lighting system that is practical and meets established standards.



**City of Belton**  
 City Hall Annex  
 520 Main Street  
 Belton, MO 64012  
 816-331-4331  
 816-331-6973 Fax  
[www.belton.org](http://www.belton.org)

**PETITION FOR STREETLIGHTS**

Dear Resident:

The City of Belton would like to thank you for your interest in requesting a new streetlight for your neighborhood. The City believes streetlights are very important to the safety and security of its citizens, and budgets \$300,000 annually for lights currently installed. The goal of this petition is to provide the necessary information from not only you the petitioner, but also the surrounding neighbors, so City staff and the Council can make an informed decision.

To request a streetlight, the interested person should complete the below information and obtain as many signatures from the supporting neighbors on the back of this form and return it to the City of Belton, Public Works Department, 520 Main Street, Belton, Missouri. 64012. **Please note that in order to install a light, Kansas City Power and Light may require easements from the property owner in order to install the power line from the backyard to the front. Therefore, it is very important that the property owner at the location of the requested streetlight support the installation of the light.** Additional signatures, in support of the streetlight are helpful, but not mandatory.

Please understand your request for additional streetlights may be approved or denied by the City Council based on the following criteria:

- 1) Proximity of other streetlight to location of requested light.
- 2) Crime in the area.
- 3) Amount of pedestrian traffic.
- 4) Amount of vehicle traffic.
- 5) Lighting budget (light requests may be held and considered for next budget year).

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**TO BE COMPLETED BY APPLICANT**

Applicant's Name (s) \_\_\_\_\_

Applicant's Address \_\_\_\_\_

Applicant's Phone: (Home) \_\_\_\_\_ (Work) \_\_\_\_\_

Location (s) of Requested Streetlight: \_\_\_\_\_

Reason (s) Light is requested \_\_\_\_\_

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**Send petition to 520 Main Street, Belton, Missouri, 64012 - ATTENTION: Public Works. Final decisions on streetlights will be made by the Belton City Council.**  
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Date Received by City \_\_\_\_\_

Signature \_\_\_\_\_

