

SECTION 5800 – STREET LIGHTS

CITY OF BELTON, MISSOURI

DESIGN CRITERIA

The City of Belton hereby adopts Section 5800 of the Kansas City Metropolitan Chapter of APWA Construction and Material Specifications, current edition. The following additions supersede any discrepancies with Section 5800 for use within Belton:

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. Generally, the City Engineer 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.

END OF SECTION