

SECTION 6

STREET LIGHTING

6.1 INTRODUCTION. All street lights erected within the city, whether in a public street, easement, subdivision, or in any building project requiring street improvements, shall conform to the standards covered in this section of these specifications. All work and materials shall be in conformance with the latest edition of the “Washington City Underground Power Construction Standards and Specifications”.

6.2 STREETLIGHT POLE. All street lighting and other lighting shall conform to section 6.3 entitled, “Street Lights and Yard Lights”. Prior to using section 6.3 it is required that the user contact the Power Department to be certain that the most current requirements are being used.

6.3 POLICY “STREET LIGHTS AND SECURITY LIGHTS”

POLICY: It is the policy of the City that all street lights and security lights erected in the City, whether in a public easement or dedicated to the City in new or proposed subdivisions or in building projects requiring street improvements, the following shall adhere to:

PURPOSE AND OBJECTIVE: To ensure street lights and security lights are installed according to uniform construction guidelines and equipment specifications.

PROCEDURES AND RESPONSIBILITIES:

The lights shall be mounted on an aluminum or galvanized steel, single member arm pole designed to withstand 100 mile per hour wind (certified). However, in all existing residential or commercial area, in place wood power poles may be used for mounting lights if authorized by the City Power Department. All poles shall have an access hole at or near the base for access to the wiring. The overhang shall not exceed 25% of the mounting height.

The following shall be used as a guide for determining street light locations for vehicular and pedestrian safety:

- A) At all major intersections.
- B) Between intersections when blocks are exceptionally long.
- C) Other locations deemed necessary for safety reasons and approved by the Power Department.

In existing areas of the City, street lights may be installed at the expense of the City, if lights are determined necessary by the Power Department for vehicular or pedestrian

safety. Security lights will not be considered unless the property owners are willing to pay for the cost of installation.

The following general policy is to be used to determine the mounting height, wattage, and lamp pole spacing:

<u>Road Width</u>	<u>Mounting Height</u>	<u>Wattage</u>	<u>Lamp Pole Spacing</u>
25' – 50'	35'	200	300' – 350'
51' – 61'	40'	250	250' – 300'
62' – 72'	40'	400	250' – 300'

This may be subject to change as determined by the Power Department as per any safety requirements or instructions. All arms shall be 2 3/4" O.D. (2" pipe) laminar mounting. All poles shall be anchor base poles and the foundation design shall be adequate for the length of pole, the arm that is being installed, the soil conditions and the 100 mile per hour winds. All luminaries shall be 120 volt High Pressure Sodium Lamps with photo control. They will be Crouse-Hinds OVM Swing-down Roadway Lighting of the following types unless an approved equal is allowed by the City:

- Catalog Number OVM20SCW3ETH for 200 Watt
- Catalog Number OVM25SCW3ETH for 250 Watt
- Catalog Number OVM40SCW3ETH for 400 Watt

If a residential subdivision or project has a 50' wide or less roadway right-of-way and would like a more aesthetic historical light, it may be possible to order the Crouse-Hinds RCL successor cutoff laminar, Catalog number REL15SP23D4-150 Watt with the square pole and arm or an approved equal as determined by the Power Department. Preapproval for this light is required from the Power Department.

Street lights shall be installed at the owner's/developer's expense in new or proposed subdivisions and projects.