

Design Guidelines
City Of Osage Beach
SECTION 7 -STREET LIGHTS

(Revised 21 OCT 04 JB)

I. GENERAL

The City of Osage Beach policy for streetlights is established in City Code Section 410.400 Street Lighting Location Standards, 410.410 Street Lighting Design Standards, Sections 510.190 Guidelines for Consideration in Accepting Additional Street Lighting into the Public Street System, 510.200 Guidelines for Consideration in Accepting Existing Street Lights (s) and Accessories into the Public Street System, 21-53, Board of Aldermen Assurances and Actions in Accepting or Rejecting Street Lighting Petitions, and 510.210 Procedures. The erection of streetlights within the City shall be in accordance with the specified City Codes and the City Design Guidelines as established herein.

The streetlights within the City of Osage Beach in general are erected and owned by AmerenUE and rented to the city under contract. The current AmerenUE policy is:

1. If the new fixture can be installed on an existing pole without additional work AmerenUE installs the fixture at no cost. If there is not a conveniently located pole, or if a transformer must be set to accommodate the new fixture(s), the entity placing the order is billed for the installation.
2. If the electrical system in the neighborhood is underground or if a pad mounted fixture is requested the requesting entity must contract with another contractor to have the underground service conduit extended to the fixture location and construct the mounting pad. If a transformer is required a transformer pad will also have to be constructed. AmerenUE will furnish and install the transformer, wiring, and fixture. The ordering entity must pay for the AmerenUE installation costs.
3. In the case of a new development many times AmerenUE will work with the developer to install the street lighting system at no or little cost. If the system meets the city requirements and the Board of Aldermen elect it will be taken over by AmerenUE and the monthly rental service billed to the City under contract.

III. STREET LIGHTING DESIGN STANDARDS

A. Location Requirements

1. Along the new or proposed street at the following intervals:
 - a. Where intersections on existing or proposed residential or local streets are more than 400 feet apart, lights shall be located at up to 400-foot intervals. Existing lots with a frontage of less than 300 feet shall be exempt.
 - b. Where intersections on existing or proposed non-residential or collector streets are more than 300 feet apart, lights shall be placed at up to 300 foot intervals. Existing lots with a frontage of 200 feet or less shall be exempt.

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- c. Where intersections with existing or proposed arterial streets, or US Rte. 54 are in excess of 200 feet, streetlights shall be placed at intervals up to 200 feet apart. Lighting along all federal or state routes shall meet MoDOT lighting standards.
 2. At all intersections.
 3. At all turn around areas and dead ends.
 4. At all curves of less than 150-foot radius and a delta angle of more than 30 degrees.
 5. Streetlights over the traveled way shall be a minimum of 20 feet above the surface.
 6. Streetlights located adjacent to the roadway shall not be less than twelve feet high.
 7. Street light poles shall be locate at the outside edge of the city easement or not less than three feet from back of curb or edge of pavement, which ever is the greater.
- B. Design Standards for Street Lights and Appurtenances
1. Existing Neighborhoods where new lights are to be furnished by AmerenUE shall conform to AmerenUE specifications. These lights shall be high-pressure sodium vapor type, 150W.
 2. New Developments or areas for more than one new street light shall conform to the following:
 - a. The developer shall submit a street lighting system plan: The plan shall clearly show all street light locations, type and style of pole, type and style of fixtures, rating and illumination data for fixtures, and details of riser connection to AmerenUE.
 - b. Poles shall be wooden conforming to AmerenUE specifications for height of pole, steel, cast iron, or aluminum. All poles shall be designed to withstand 80-mph wind gusts without distortion with all appurtenances attached. All poles mounted on a base assembly shall be of the break-a-way type.
 - c. Fixtures shall be high-pressure sodium vapor type of sufficient wattage to provide for 9,000 to 10,000 lumen coverage for residential areas, or 25,000 to 30,000 lumens for commercial areas.
 3. All streetlights shall be on city streets or parking areas.

END