

Summary of Updates to Chapter 13-12 Street Lighting

Division 13-12-001: Street Lighting Objectives

- Add references to all facility types: roadways, sidewalks and side paths
- More robust supporting language for protection of the region's natural dark sky resources

Division 13-12-002: Lighting Required for New and Redevelopment

- Added reference to Zoning Code
- Provided clarification for how modifications to the existing system are treated
- Explicitly reference City Engineer authority to modify these standards per listed special conditions

Division 13-12-003: Lighting Layout Requirements

- Changed several references from Wattage (old Low Pressure Sodium language) to Output (modern LED language).
- Introduced the LED concept of different types of fixtures, output, light distribution pattern and bandwidth.
- Local Streets – significant proposed change to lighting of local streets. Currently standards do not require lighting on Rural Local streets, proposal is to not require lighting on any Local streets as a part of new development. Only Local street intersections with Collector and Arterial street types would receive lighting with this proposed change.
- Streetlights and Signalized Intersections – updated language to provide maximum visibility of pedestrians through positive contrast lighting design.
- New Table 12-03-01 Streetlight Spacing. The table is a finer grained approach to street lighting by area type and roadway lanes, also updated for LED from LPS fixtures.
- New layout simplifies pole and mast arm combinations by reducing the number of variants to two (2).

Division 13-12-004: Pedestrian Lighting

- Updated language connecting improved pedestrian crossings with improved lighting.
- Local Streets in Transect Zoning Districts are highlighted as areas that may need improved pedestrian scale lighting.
- Significant change to color of pedestrian lighting. Previously HPS and full spectrum (White) lighting was allowed. An example would be the decorative pedestrian lights downtown, in the future these would be required to be Amber LED.

Division 13-12-005: Street Light Equipment

- Completely new section as the City switches from High Pressure Sodium and Low Pressure Sodium HID sources to Narrow Band Amber LED.

Division 13-12-006: Plan Submittals

- Added a new section of "Street Lighting General Construction Notes" to be included on each plan set submittal. This standardizes the construction notes and provide a single comprehensive set of notes from contractors and inspectors to easily reference during construction.

Division 13-12-007: Requested Modifications to the Existing System

- A new step by step process for requests for modification to the existing street lighting system. This code change closely follows current internal processes that require resident concurrence of lighting changes that will have an impact on their adjacent property.

Division 13-12-008: Repair and Modification

- Updates the current code to require a streetlighting fixture to be updated to current code whenever service is performed. Previously the fixture needed to have a significant repair of at least 50% of the value of a replacement fixture to require update to current code.