

## **CHAPTER VII - STREET LIGHTING**

### **SECTION 1 - General:**

Street lighting shall be installed with any subdivision or development in accordance with the following requirements:

1. All street lighting shall be the responsibility of the subdivider or developer who shall make all necessary arrangements with the utility company involved for the installation of such lights as approved by the City.
2. Street lighting plans shall be prepared by the utility and shall be submitted by the subdivider or developer to the Public Works Department, Traffic Engineering Section for review. Such plans shall show the location of each light, size of luminaires in watts or lumens, type of luminaire, number of street lights, and total additional charge to the City. If a lighting analysis is deemed necessary for the proposed project, it will be the responsibility of the developer to provide the analysis. The analysis shall be in plan view format and display illuminance or luminance (foot candles) levels through light contours.
3. All street lighting within each construction phase shall be complete and operational prior to issuance of any certificate of occupancy.
4. Street lighting shall be installed on all medium to high arterials, as defined by RTC, and on minor to major arterials as defined by the City. Safety lighting is required at a minimum for all other classifications. Lighting may be installed on private streets, but is not required. City requirements for lighting are outlined within the Sierra Pacific Power Company Streetlight Design Guide. All costs (installation, energy, and maintenance) associated with such lighting on private streets are the responsibility of the adjacent property owner(s). All fixture types are to comply with City of Reno standards and shall be 180° cutoff.
5. All walkway/bikeway lighting levels are to comply with the Roadway Lighting, Illuminating Engineering Society (see Publication No. RP-8-00).

SECTION 2 – Illuminance Method Levels:

The appropriate average illumination level may be determined from the following table (adapted from Roadway Lighting, Illuminating Engineering Society of North America, RP-8-00, 6-27-00; Table 2):

Street Classification	ILLUMINATION LEVELS			Uniformity Ratio
	Commercial	Intermediate	Residential	
Major Arterial	1.3	1.1	0.8	3:1
Minor Arterial	1.6	1.2	0.8	3:1
Collector	1.1	0.8	0.6	4:1
Local	0.8	0.7	0.4	6:1
Sidewalk	0.9	0.6	0.3	6:1

All values are in foot candles, except uniformity ratio, which is average-to-minimum.

Commercial is defined as that portion of the City in a business development where ordinarily there are large numbers of pedestrians during business hours. This definition applied to densely developed business areas outside of, as well as those that are within, the downtown area. Commercial areas contain land uses which attract a relatively heavy volume of nighttime vehicular and/or pedestrian traffic on a frequent basis.

Intermediate is defined as that portion of the City often characterized as in blocks containing libraries, community recreation centers, large apartment buildings, or neighborhood retail stores.

Residential is defined as a residential development, or a mixture of residential and commercial establishments, characterized by a few pedestrians at night. This definition includes areas with single family homes, townhouses, and/or small apartment buildings.

### SECTION 3 - Downtown Lighting Master Plan:

This report outlines the current lighting levels in the downtown area. The accepted levels exceed recognized national standards in some locations. Lighting in the downtown area will be in accordance with the Redevelopment Streetscape Master Plan and as approved by the City.

To obtain information on the Redevelopment Streetscape Master Plan, or copies of the plan, contact the City of Reno Redevelopment Agency at (775) 334-2594.