

**COUNTY OF LOS ANGELES
PUBLIC WORKS**

**SMALL CELL TELECOMMUNICATIONS FACILITIES
PROCEDURES FOR THE PREPARATION OF STREETLIGHT PLANS BY
WIRELESS TELECOMMUNICATIONS CARRIERS**

FOR

**COUNTY-OWNED STREETLIGHTS SERVING THE UNINCORPORATED AREAS OF
LOS ANGELES COUNTY**

**Prepared by
Street Lighting Section
Traffic Safety and Mobility Division
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This document serves to inform wireless telecommunications carriers of the County of Los Angeles' approval process for the installation of small cell or wireless telecommunications facilities (SCF) on County-owned streetlights within the County Lighting Maintenance Districts (CLMD) serving the unincorporated areas of Los Angeles County.

Approval Process

1. The applicant submits a Road Wireless Permit application to Public Works for review and approval.
2. For installation of new poles or attachment on County-owned poles, a Street Light Master License Agreement is required. Southern California Edison owned poles excluded.
3. Public Works will review and approve the street lighting, electrical plan, and if applicable, structural plan for the proposed SCF on streetlight pole(s).
 - a. The streetlight and electrical plan shall be prepared and constructed according to the County street lighting design guidelines, Public Works small cell design standards, County electrical code, and the standard specifications for Public Works construction projects. The plan submittal on EPIC-LA shall include and adhere to the following guidelines:
 - i. Design Standards checklist;
 - ii. Full construction drawings of street lighting, electrical, and if applicable structural plans with list of equipment to be attached to each streetlight pole. The plans shall show the proposed installations detailing methods of attachment, location of power and fiber runs into and up each pole, cut sheets, and actual product specifications.
 - iii. Each antenna associated with the small cell, excluding associated equipment shall be no more than 3 cubic feet in volume. All other equipment associated with the antenna and any or existing equipment on the structure, shall be no more than 28 cubic feet in volume.
 - iv. If applicable, wet stamped calculations by a California licensed civil or structural engineer demonstrating: 1) that each pole can safely support the weight and wind/seismic loading of antenna and equipment per the AASHTO Standard Specifications for Structural Support for Highway Signs, Luminaries, and Traffic Signals, 6th Edition, using a minimum basic wind speed of 100 mph (3 second gust); and

- v. SCF shall be in compliance with all FCC regulations regarding RF emissions and exposure limitations.
 - vi. A letter from a licensed engineering firm signed by a registered engineer stating that the proposed SCF for each pole does not pose any safety concerns and attesting that the streetlight can safely accommodate the SCF.
 - vii. Antennas or other equipment shall not be placed so as to block the light distribution.
 - viii. Conduit and wiring shall be concealed, either within the pole or flush mounted. There shall be no exposed loose wiring hoops.
 - ix. Any new streetlight pole installed shall be aesthetically similar to the existing streetlight poles in the CLMD.
 - x. For side-arm mounted antenna enclosures and accessory equipment on existing street light poles, the additional loads shall not impact the structural integrity of the pole. Drilling of concrete and fiberglass poles is not allowed.
 - xi. Replacement streetlight pole for each SCF shall be an octagonal concrete pole with underground wiring system with a separate meter.
 - xii. The SCF shall not be allowed to be mounted on decorative street light poles.
 - xiii. The SCF shall be designed with passive cooling properties (no electric fan).
 - xiv. Any new streetlight lamp shall be light-emitting-diode in accordance with the County street lighting design guidelines (page 5, "Streetlight Lamps, Spacings, and Sizes").
- b. The applicant shall create an application on EPIC-LA to upload the required plans and documents. Each zone conformance application requires a separate EPIC LA application with a unique case number.
- i. In EPIC-LA, the applicant will select "Engineered Improvement Plan" in the Plan Type field.
 - ii. In the Work Class field, select "Street Lighting Plan".
 - iii. In the Plan Status field, select "New On-Line".

- iv. The remaining fields such as Contact, Project Address, etc. must be entered by the applicant.
4. Public Works collects a plan check deposit from the applicant based on the number of streetlight poles with SCF on the plan.
 - a. Public Works will invoice the applicant for the required deposit through EPIC-LA.
 - b. The plan review cost will be based on actual labor charges and any remaining deposit left will be reimbursed to the applicant.
5. Public Works reviews and approves plans to ensure the proposed SCF on the streetlight pole(s) will be installed per the guidelines noted above.
6. Prior to issuance of a road wireless permit by Public Works, the applicant shall enter into a license agreement with the County that establishes reasonable rates, terms, maintenance, and conditions for the use of SCF on any County-owned streetlight poles.
7. After issuance of the road wireless permit from Public Works, the applicant shall coordinate with a County inspector on the installation of the streetlight pole(s) with the SCF.
8. The applicant must notify Street Lighting Section once installation of the streetlight pole(s) with the SCF is completed.