

***Tab F – Street Light Design Standards***

F.1. Purpose .....F-1

F.2. Rural Roads .....F-1

F.2. Urban Roads .....F-1

F.3. Standards.....F-1

    F.3.A) Wiring and Pull Boxes.....F-1

    F.3.B) Light Standards.....F-1

    F.3.C) Location .....F-1

    F.3.D) Solar Power .....F-1

## ***Tab F – Street Light Design Standards***

F.1. **Purpose.** The purpose of the standards and specifications contained herein is to establish uniform standards for street lights on roads in the County of Mendocino. This document is not intended or designed as, nor does it establish, a legal standard for lighting.

F.2. **Rural Roads.** Lighting shall only be required on rural roads at intersections and only when warranted under the Caltrans Traffic Manual. Lighting on rural roads shall be designed to the illumination levels specified by the Caltrans Traffic Manual.

F.3. **Urban Roads.** Lighting on urban roads shall be required and shall be designed to the illumination levels specified by the Illuminating Engineers Society of North America (IESNA). Development projects that install street lighting shall be responsible for establishing a financing program for ongoing maintenance and operation of the lighting system. The County can grant an exception or require maintenance and financing at the discretion of the Approving Authority or DOT Director.

### **F.4. Standards.**

F.4.A) *Wiring and Pull Boxes.* Wiring and pull boxes shall be constructed according to MENDOT STDs No. A20H and ES10.

F.4.B) *Light Standards.* Light standards on County roads with underground electrical system shall be galvanized steel Type 15 per Caltrans Standard Plans. Light standards on County roads with overhead electrical system shall be galvanized steel cobra-head luminaires mounted on wood poles. Light standards on private roads may be of a custom design, subject to the approval of the DOT Director during review of the improvement plans.

F.4.C) *Location.* Light standards shall be located to minimize glare into residences. In general, light standards shall be located at the property line between residences.

F.4.D) *Solar Power.* Photoelectric cells should be considered for lighting standards, particularly in rural areas. Photoelectric cells shall be mounted at the top of the light standard.

F.4.E) *Night Sky.* Limit lighting beyond the surface area on the ground, which is intended for illumination.