

SECTION 13

TRAFFIC SIGNAL DESIGN

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SECTION 13

TRAFFIC SIGNAL DESIGN

13-1 DESIGN STANDARDS

Traffic signals, intersection safety lighting and electrical systems shall be designed in accordance with Part 4 of the California Manual on Uniform Traffic Control Devices for Streets and Highways, Sections 9-06 thru 9-13 of the California Traffic Manual, California Signal and Lighting Design Guide, the applicable State Plans, and the applicable provisions of Section 86, "Signal, Lighting and Electrical Systems", of the State Specifications.

13-2 GENERAL PLAN REQUIREMENTS

The traffic signal/safety lighting plans shall include pertinent traffic signal notes, in addition to all designed features, for the project.

13-3 PULL BOXES

Pull boxes for traffic signal shall be designed to locate outside all access ramp areas. Such requirements shall be stipulated on the traffic signal/safety lighting plans as a special note.

13-4 NOT USED

13-5 NOT USED

13-6 NOT USED

13-7 NOT USED

13-8 NOT USED

13-9 NOT USED

13-10 LIGHTING TYPE CONSISTENCY

For those areas requiring decorative street lights in Section 5, interior signalized intersections shall be designed to reflect the decorative type of the development.

A. Zone 2

1. Safety Lighting

All luminaire arms and fixtures mounted on traffic signal poles at intersections in the Zone 2 area shall be designed in accordance with designated requirements unique to the area.

2. Coating

All traffic signal poles, mast arms, luminaire arms, and internally illuminated street name sign support arms at intersections in the Zone 2 area shall be required with a stock color black super-durable TGIC polyester powder coat finish prior to installation. Such requirements shall be stipulated on the traffic signal/safety lighting plans as a special note.

B. Common Type (CT)

1. Safety Lighting

Standard safety lighting shall be used in areas designated for common type street lights.

2. Finish

Standard galvanized steel poles, mast arms and luminaire arms shall be used.