

## **SECTION 85: PAVEMENT MARKERS**

### **85-1.01 DESCRIPTION**

Pavement markers shall be installed in accordance with the approved improvement plans and specifications, these Construction Standards, the City Design Standards, The California Manual on Uniform Traffic Control Devices (CAMUTCD), The State of California Standard Plans, and the latest edition of The State of California Department of Transportation Standard Specifications hereinafter referred to as the Cal Trans Standard Specs.

### **85-1.04 NON-REFLECTIVE PAVEMENT MARKERS**

All non-reflective pavement markers shall be ceramic and only used when replacing striping in kind or as directed by the city engineer.

### **85-1.05 RETROREFLECTIVE PAVEMENT MARKERS**

All reflective lane line pavement markers of 2 and 3 lane arterials shall be Type C Red-Clear retroreflective.

### **85-1.06 PLACEMENT**

As shown on the plans, all striping details shall use retroreflective variants with thermoplastic and type C red-clear retroreflective markers. The following details shall be used unless otherwise directed by the city engineer: 2, 6, 9A, 12A, 16, 19, 22, 25, 26, 27B, 29, 32, 34, 35, 36, 36B, 37, 38, 39, 39A, 40, 41, 42, 43, 44, 45

Any updates to striping with existing ceramic pavement markers shall be replaced in kind, unless the project limits extend to the two nearest adjoining signalized intersections and include all lane lines in both directions, or unless otherwise directed by the City Engineer. Non reflective pavement markers shall consist of ceramic markers only conforming to section 85.104A of the same standards. The following permanent traffic lane striping shall be raised pavement markings, and placed as one of the following types: Detail 4, 7, 10, 13, 17, 20, 23, 25, 26, 30, 33, 37C, or Detail 38. Thermoplastic striping is also required for placement of Detail 25 and 38.

On asphalt surfaces, Detail 26 markers shall be placed 2 inches from the face of the median curb. On concrete surfaces, Detail 25 shall be used.

At all fire hydrant locations, a blue reflective pavement marker (Type BB) shall be installed 1 foot off paved centerline or median on the hydrant side of the roadway.

All traffic lane striping shall be discontinued through any 4 way public intersection from crosswalk to crosswalk, marked or unmarked. Striping shall be continuous through private intersections unless there is a striped left turn lane and/or traffic signal. For non-signalized public "T" intersections, the through and bike lane striping shall be continuous for the non-intersection direction, i.e. "across the top of the T". However, there shall be no striping within the limits of the crosswalk.

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At locations where bike lane striping is used to channelize traffic, right turn acceleration/deceleration lanes and bus turnouts, both stripes shall be detail 38 (A20D). Reflective pavement markers shall be placed to the outside of the bike lane along both stripes

See Section 84 of these Construction Standards for additional striping requirements.