

SECTION 56

SIGNS

Signs shall conform to Section 56 of the Caltrans Standard Specifications and these City Standard Specifications.

56-1 OVERHEAD SIGN STRUCTURES

56-1.04 Welding. - Contractor shall be responsible for welder certification. Delete last sentence of last paragraph in Section 56-1.04 of the Caltrans Standard Specifications.

56-2 ROADSIDE SIGNS

56-2.01 Description. - Unless otherwise shown on the plans or specified in the special provisions, all sign panels for permanent installation as standard roadside signs will be furnished by the City. Construction signs, including sign panels, shall be furnished and installed by the Contractor. This work shall also include park signs, as specified in Section 56-2.02G which will be furnished by the City.

Signs shall conform to the provisions of the Caltrans "Traffic Manual" and the U.S. Department of Transportation, Federal Highway Administration, "Manual on Uniform Traffic Control Devices."

56-2.01A Sign Types. - Traffic signs are classified by general types, as indicated herein, according to message imparted or traffic control required.

- (1) Warning Signs call attention to conditions on or adjacent to a traveled way that are potentially hazardous to traffic.
- (2) Regulatory Signs give notice of traffic laws or regulations.
- (3) Guide Signs show route designation, guidance and directional information.
- (4) Construction Signs give guidance, regulate and warn traffic through construction zones. Construction signs include warning, regulatory, and guide signs as well as specific instructional signs.

Traffic signs shall be identified by codes: warning, regulatory, guide, and construction signs are numbered with a number preceded by a letter - W, R, G, or C, respectively.

Installation and mounting of traffic signs shall be designated by type, according to the sign chart shown on the plans. The detailed plans shall indicate installation and mounting required.

56-2.02D Sign Panel Fastening Hardware. - Lag screws, bolts, metal washers, and nuts may be cadmium plated steel in lieu of commercial quality galvanized steel.

56-2.02E Sign Panels. - Sign panels shall be sheet aluminum, except temporary construction signs, which may be plywood if approved by the Engineer. The gage thickness of sheet aluminum shall be commensurate with the size of the

sign. Reflective sheeting and porcelain enamel for signs shall conform to the State of California specifications for "Reflective Sheeting on Aluminum" and "Porcelain Enameled Aluminum Single Sheet and Laminated Panel Signs."

56-2.02F Certificate of Compliance. - The Contractor shall establish or be responsible for the necessary quality control and inspection practice to assure compliance with these specifications. The Contractor shall furnish, when required, a certificate of compliance, as specified in Section 6-1.07, "Certificates of Compliance," that all the required tests have been made and the results comply with the requirements of these specifications.

56-2.02G Park Signs. - "Park Rules and Regulations" and "Park Hours" signs shall be City standard and shall be obtained from the Parks and Recreation Department. Poles for park signs shall be 2-3/8" o.d. galvanized steel, 14 feet in length with minimum pipe wall thickness of .116", and shall be furnished by the Contractor. Poles for park signs shall be placed in a 3'-6" deep x 10" diameter Portland cement concrete footing, leaving 10'-6" foot height from top of grade.

56-2.03 Construction. - Wood posts located in traffic islands, after backfilling shall be wedged in place at the surface with redwood wedges. The space around wood posts set in sidewalk areas after backfill shall be capped with concrete and finished to the surrounding surface.

56-2.04 Sign Panel Installation. - Sign panel installation shall conform to Section 56-2.04 of the Caltrans Standard Specifications, except that sign panels, blind rivets, and closure inserts shall be furnished by the Contractor and shall otherwise be of materials as specified herein.

The exposed portion of fastening hardware of the face of signs shall be painted out using touch-up enamel that matches the background.

Park rules signs shall be mounted flush with top of pole with park hours sign mounted directly under, allowing 7'-0" clearance from the base of park hours sign to grade.

56-2.05 Measurement. - Delete Subsection 56-2.05, "Measurement" of the Caltrans Standard Specifications. Roadside signs will be measured by the unit from actual count, in place.

56-2.06 Payment. - Roadside signs measured as specified in Subsection 56-2.05, "Measurement" will be paid for at the contract unit price each. The contract unit price each shall include full compensation for furnishing all labor, materials (except City-furnished materials), tools, equipment, and incidentals, and for doing all the work involved in furnishing and installing roadside signs, complete in place, including the installation of sign panels, as shown on the plans, and as specified in these standard specifications and the special provisions, and as directed by the Engineer.