

SECTION 34 - SIGNS

TABLE OF CONTENTS

	<u>Section</u>	<u>Page</u>
34-1	GENERAL	34.1
34-2	OVERHEAD SIGN STRUCTURES	34.1
34-3	ROADSIDE SIGNS	34.1
34-3.01	Traffic Sign Types.....	34.1
34-3.02	Sign Panel Fastening Hardware	34.1
34-3.03	Park Signs	34.1
34-3.04	Construction	34.2
34-3.05	Sign Panel Installation	34.2
34-4	MEASUREMENT AND PAYMENT	34.2

SECTION 34 SIGNS

34-1 GENERAL

Signs shall conform to Section 56, "Signs", of the State Specifications, and these Specifications.

34-2 OVERHEAD SIGN STRUCTURES

Overhead sign structures shall conform to Section 56-1, "Overhead Sign Structures", of the State Specifications, and these Specifications.

Welding of overhead sign structures shall conform to Section 56-1.04, "Welding", of the State Specifications, and these Specifications. The Contractor is responsible for welder certification.

34-3 ROADSIDE SIGNS

Roadside signs shall conform to Section 56-2, "Roadside Signs", of the State Specifications, and these Specifications. Unless otherwise shown or specified in the Contract, all sign panels for permanent installation as standard roadside signs will be furnished and installed by the Agency. Construction signs, including sign panels, shall be furnished and installed by the Contractor. This work shall also include park signs, as specified in this Section, which will be furnished by the Agency.

Construction 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".

34-3.01 Traffic Sign Types

Traffic signs are classified by general types as follows, according to the information or traffic control required:

- **Warning Signs**—Call attention to conditions on or adjacent to a traveled way that are potentially hazardous to traffic.
- **Regulatory Signs**—Give notice of traffic laws or regulations.
- **Guide Signs**—Show route designation, guidance and directional information.
- **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 will be identified by codes. Warning, regulatory, guide, and construction signs are identified with a number preceded by one of the letters W, R, G, or C, which indicate the type of sign.

Installation and mounting of traffic signs, designated by type, shall be according to the sign schedule or details shown on the Plans.

34-3.02 Sign Panel Fastening Hardware

Sign panel fastening hardware shall conform to Section 56-2.02D, "Sign Panel Fastening Hardware", of the State Specifications, and these Specifications. Lag screws, bolts, metal washers, and nuts may be cadmium-plated steel instead of commercial quality galvanized steel.

34-3.03 Park Signs

Signs with "Park Rules and Regulations" and "Park Hours" will be furnished by the Agency. The posts for park signs shall be furnished by the Contractor and shall be two and three-eighths

inches (2-3/8") outside diameter galvanized steel pipe, fourteen feet (14') in length, with a minimum wall thickness of 0.116 inches (0.116"). Posts for park signs shall be placed in a three-foot six-inch (3'-6") deep x ten inch (10") diameter portland cement concrete footing, leaving a ten foot-six inch (10'-6") height from top of grade. Footing concrete shall be Class "C" in accordance with Section 50-5, "Portland Cement Concrete", of these Specifications.

34-3.04 Construction

Construction shall conform to Section 56-2.03, "Construction", of the State Specifications, and these Specifications. After the post holes are backfilled, wood posts installed in traffic islands shall be wedged in place at the surface with redwood wedges. For posts installed in sidewalk areas, the space around the wood posts shall be capped with concrete and finished to be level with the surrounding surface after the posts holes are backfilled.

34-3.05 Sign Panel Installation

Sign panel installation shall conform to Section 56-2.04, "Sign Panel Installation", of the State Specifications, and these Specifications. Sign panels, blind rivets, and closure inserts shall be furnished by the Contractor and shall be fabricated of materials as specified in this Section.

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

Park rules sign panels shall be mounted flush with top of the post, with park hours sign panels mounted directly under. The bottom of the lowest sign panel shall be no less than seven feet (7') above the ground.

34-4 MEASUREMENT AND PAYMENT

Measurement and payment for overhead sign structures shall conform to Sections 56-1.09, "Measurement", and 56-1.10, "Payment", of the State Specifications, and these Specifications. No deduction will be made for fabrication outside of Sacramento County.

Signs will be measured by the unit from actual count, complete in place, of the type or types of signs designated in the Contract.

The unit price paid for each sign of the type or types designated in the Contract includes full compensation for furnishing all labor, materials (except Agency-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, shown or specified in the Contract, specified in these Specifications, and directed by the Agency.