

## Section 82 Markers and Delineators

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### 4-8201 General

This section describes the work for providing and installing markers and delineators at locations shown on the plans or where the engineer directs. Object markers are used to mark obstructions within or adjacent to the roadbed, including paved shoulders. Delineators are reflective devices mounted, in a series, at the side of the roadway to indicate the roadway alignment.

### 4-8201 General

### 4-8202 Before Work Begins

Before work begins, take the following steps:

- Review the marker and delineator lists shown on the plans, and inform the contractor of any changes, preferably before material is ordered or information is stenciled on the markers. The California *Manual of Uniform Traffic Control Devices* (California MUTCD), Part 3, provides design details for markers and delineators.
- Determine the proper receipt and distribution of form CEM-3101, “Notice of Materials To Be Used,” which covers markers and delineators. All materials listed should be from the lists of approved products contained in the materials portion of the special provisions.
- Examine markers and delineators to ensure they meet specification. Verify that they match the materials shown on form CEM-3101 and that a correctly prepared Certificate of Compliance accompanies the material.
- Provide the contractor with a list of post mile values to be stenciled on highway post markers.
- Order and obtain the state-furnished material identified in the special provisions.

### 4-8202 Before Work Begins

### 4-8203 During the Course of Work

Inspect the materials and method of installation according to the *Standard Specifications* and special provisions. This inspection will include, but is not limited to, the following steps:

- Ensure that the contractor’s layout work conforms with the plans.
- Document and approve minor deviations from the plans.
- Before the material is incorporated, inspect material either by collecting the inspection tags or matching the material against information in the Certificate of Compliance.
- Ensure that the contractor follows the method of placement specified in the *Standard Specifications* and the special provisions.
- During the installations of target plates, check that the contractor has used washers and installed nuts and rivets properly.

### 4-8203 During the Course of Work

- After installation, check for any damage to the installed material and document any rejections.
- Do a night inspection to check and document the reflectivity of the installed material. If you encounter any problems, notify the contractor immediately so the contractor can make corrections.

**4-8204  
Measurement  
and Payment**

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Count markers and delineators, and record the counts to support partial and final payments.

