
Special Specification 6043

Large Roadside Sign Assemblies



1. DESCRIPTION

Replace, remove, relocate or repair large roadside sign assemblies consisting of sign support, signs, mounting hardware, and applicable appurtenances.

2. MATERIALS AND EQUIPMENT

Unless otherwise stated in the General Notes, furnish large roadside sign assembly material including stubs, posts, signs, sign mounting brackets and miscellaneous hardware.

Material deemed salvageable by the Engineer must be reused.

Use galvanized steel, stainless steel, dichromate sealed aluminum, or other materials shown on the plans for pipe, bolts, nuts, washers, lock washers, screws, and other sign-assembly hardware. When dissimilar metals are used, select or insulate the metals to prevent corrosion.

3. WORK METHODS

Replace, remove, relocate or repair large sign assemblies at locations as directed utilizing new or salvaged sign assembly materials. Use the Department's Standard Plans "SMD (2-1) through (2-4), SMD (TY G) and SMD (8W1) through SMD (8W2)" for sign mounting heights and location standards unless otherwise directed or shown elsewhere in plans. The Department's *Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges* "Items" referenced below are hereby made a part of this work specification.

- Item 636, "Signs"
- Item 647, "Large Roadside Sign Supports and Assemblies"

Except for emergency call-outs, sign replacement must be complete within 14 calendar days, sign repairs must be complete within 7 calendar days and remove and relocate within 24 hr. after discovery or notification.

Reuse the existing supports and foundations if approved. Perform field measurements to verify or determine post sizes and lengths. Sign assemblies may be installed on concrete foundations, on bolted connections to concrete decks, backup walls, rails or other types of special mounts. Use new posts as needed. Obtain approval before shortening existing supports. Repair any steel part or member on which the galvanizing has been damaged in accordance with, Section 445.3.5., "Repairs." Erect the supports on the breakaway stub posts, and attach the signs to the supports. Attach signs to support assemblies in accordance with the plans and pertinent Items.

Verify post lengths for ground mounted signs to meet the existing field conditions and to conform to the minimum sign mounting heights shown on the plans.

Make field cutting or any other modifications to the sign post to meet the minimum sign mounting heights and install the fuse plate for breakaway as shown on the plans.

Handle and store existing signs or portions of signs removed so that they are not damaged. Prevent any damage to the various sign assembly components. Replace any portion of the sign damaged by the Contractor designated for reuse or salvage, including messages removed.

Stockpile all removed sign components that will be reused or that become the property of the Department at approved locations. Accept ownership of unsalvageable materials, and dispose of them in accordance with federal, state, and local regulations.

Plumb sign supports. Do not spring or rake posts to secure proper alignment. Use established safety practices when working near underground or overhead utilities. Consult the appropriate utility company before beginning work.

Locate sign supports as shown on the plans, unless directed to shift the sign supports within design guidelines to secure a more desirable location or to avoid conflict with utilities and underground appurtenances. Stake sign-support locations for verification by the Engineer.

Attach signs to support assemblies in accordance with the plans and pertinent Items.

Wash repaired sign assembly with biodegradable cleaning solution acceptable to the sheeting and screen ink manufacturers to remove dirt, grease, oil smears, streaks, finger marks, and other foreign materials.

4. MEASUREMENT

This Item will be measured as each large roadside sign assembly replaced, removed, relocated or repaired. All assemblies are measured by each assembly, including all posts and signs in the assembly.

5. PAYMENT

The work performed in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Replace Large Roadside Sign Supports and Assemblies," "Remove Large Roadside Sign Supports and Assemblies," "Relocate Large Roadside Sign Supports and Assemblies" or "Repair Large Roadside Sign Supports and Assemblies." Traffic control will be in accordance with the latest Texas Manual on Uniform Traffic Control Devices. Traffic control will be considered subsidiary and will not be paid for directly.

- 5.1. **Replace Large Roadside Sign Support & Assemblies.** This price is full compensation for removing existing sign, furnishing and installing new sign; equipment; labor, tools, and incidentals.
- 5.2. **Remove Large Roadside Sign Support & Assemblies.** This price is full compensation for removing existing large roadside sign assemblies including existing concrete foundations that are to be abandoned to 2 ft. below finish grade. Replace any surfacing with like material to equivalent condition; cleaning; salvaging; disposal of unsalvageable material; hauling, excavating, backfilling, and surface placement; equipment; labor, tools, and incidentals.
- 5.3. **Relocate Large Roadside Sign Support & Assemblies.** This price is full compensation for installing new breakaway stubs and constructing foundations, removing and replacing damaged posts, reuse of existing sign and new hardware; equipment; labor, tools, and incidentals.
- 5.4. **Repair Large Roadside Sign Support & Assemblies.** This price is full compensation for removing existing signs and related materials; installing new signs (when required); modifying existing sign supports; reinstallation of signs and sign assemblies; equipment; labor, tools, and incidentals.