

# Special Specification 6044

## Small Roadside Sign Assemblies



### 1. DESCRIPTION

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

### 2. MATERIALS AND EQUIPMENT

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

Material deemed salvageable by the Engineer shall be reused.

Furnish and fabricate materials in accordance with the Item 644, "Small Roadside Sign Supports and Assemblies" and the Departments' *Sign Mounting Details* (SMD) Standard Sheets. The Department will provide details for nonstandard signs.

### 3. WORK METHODS

Replace, remove, relocate, or repair sign assemblies at locations as directed by the Engineer utilizing new or salvaged sign assembly materials. Use the Department's SMD Standard Sheets for sign mounting heights and location standards unless otherwise directed or as shown on 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 644, "Small Roadside Sign Supports and Assemblies"
- Item 656, "Foundations for Traffic Control Devices"

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

Unless otherwise shown on the plans, reuse the existing supports. Shorten existing supports with prior approval. Repair any steel part or member on which the galvanizing has been damaged in accordance with Section 445.3.5., "Repairs." Install breakaway stub posts in new foundations for relocated signs. 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. Remove existing foundations to be abandoned and backfill hole with material equal in composition and compact to the density of the surrounding area. Replace any surfacing with like material to equivalent condition.

Handle and store existing signs or portions of signs removed so that they are not damaged. Store all signs off the ground and in a vertical position until erected.

Damage to the sign face that is not visible at a distance of 50 ft., night or day, will be acceptable. Prevent 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.

Install foundations in accordance with Item 656, "Foundations for Traffic Control Devices." 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 directed by the Engineer or to avoid conflict with utilities and underground appurtenances. Stake sign-support at locations for verification by the Engineer.

Install stub posts of the type, spacing, orientation, and projection shown on the plans. Remove and replace posts damaged during installation at the Contractor's expense.

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

Wash repaired or relocated 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 small roadside assembly replaced, removed, relocated or repaired. Note that sign assemblies may include single posts mounted in triangular slip bases, with single or multiple signs on one post, "wishbone" type posts with multiple signs, "T" posts with multiple signs, or double posts with multiple signs. The foundations may be installed in concrete foundations or bolted to concrete decks, barriers, bridge rails or other types of mounts. All assemblies are measured by each assembly, including all posts and signs in the assembly.

#### 5. PAYMENT

The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Replace Small Roadside Sign Supports and Assemblies," "Remove Small Roadside Sign Supports and Assemblies," "Relocate Small Roadside Sign Supports and Assemblies" or "Repair Small Roadside Sign Supports and Assemblies." Traffic control will be in accordance with the latest TMUTCD. Traffic control will be considered subsidiary and will not be paid for directly.

5.1. **Replace Small 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 Small Roadside Sign Support & Assemblies.** This price is full compensation for removing existing small 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 Small Roadside Sign Support & Assemblies.** This price is full compensation for installing new breakaway stubs and constructing foundations, removing and replacing damaged post, reuse of existing sign and/or new hardware; equipment; labor, tools, and incidentals.

5.4. **Repair Small 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.