

638 State Owned Signs and Supports

638.1 Description

- (1) This section describes moving, removing, revising, or erecting state owned signs and supports.

638.2 Materials

- (1) Furnish signing materials conforming to [637](#). Use aluminum base material at least 0.040 inch thick.
- (2) Fabricate demountable route markers, overlay plaques, letters, numbers, symbols, and borders as the plans show. Unless the contract specifies otherwise, use the same sheeting type as the existing sign being revised.

638.3 Construction

638.3.1 General

- (1) A sign is an installation at a single location that consists of several components or parts that together form one complete sign.
- (2) Do not display a sign before its message becomes applicable. If necessary, cover the sign conforming to [643.3.4.3](#).
- (3) Erect signs and supports at the new location as specified in [634](#) if using wood posts and as specified in [635](#), [531](#), and [637](#) if using steel supports.

638.3.2 Moving Signs

Revise 638.3.2(2) to include storing the signs during removal and moving.

- (1) Under the Moving Signs bid items, remove existing signs, and transport and erect the signs at new locations. This work does not include moving structural steel supports, or moving or removing the footings.
- (2) Remove **and store** the signs without damaging them and re-erect at the new location.
- (3) If moving a sign on wood posts, tubular steel posts, or flanged, steel channel supports, then also move the posts or supports, unless the contract specifies otherwise.
- (4) Remove signs on multiple supports before transporting. The contractor may transport smaller size signs attached to their supports, if using methods that do not damage the sign.

638.3.3 Moving Sign Supports

- (1) Under the Moving Small Sign Supports bid item, remove existing wood supports; flanged, steel channel or other supports and transport to and erect these supports at new locations, and remove any resulting unused concrete footings.
- (2) Under the Moving Structural Steel Sign Supports bid item, remove existing structural steel supports and transport to, and erect the supports at new locations, and remove any resulting unused concrete footings.
- (3) Inspect the supports before moving and notify the engineer of any damage or deficiencies.

638.3.4 Removing Signs

- (1) Under the Removing Signs bid items, remove existing signs from their supports.
- (2) Aluminum type II signs and steel stringers are the department's property. Return signs and stringers palletized for handling with a forklift. Contact the region signing coordinator at least 3 business days in advance to coordinate the shipment and drop-off location.
- (3) Plywood type II and all type I signs are the contractor's property, unless the contract specifies otherwise. Dispose of these signs off the right-of-way.

638.3.5 Removing Sign Supports

- (1) Remove wood, flanged and channel steel, structural steel, or other sign supports not assigned structure ID numbers. Supports become the contractor's property, unless the contract specifies otherwise. Satisfactorily dispose of supports off the right-of-way. Remove unused concrete footings as specified in [638.3.8](#).

638.3.6 Revising Signs

- (1) Revise the existing sign message as the contract specifies or the engineer directs. Schedule operations so a sign is out of service for the least time practicable and, if possible, revise the message without removing the sign from its support.
- (2) Under demountable bid items, revise the message by removing, replacing, or adding demountable copy. Unless the contract specifies otherwise, use new message units similar to existing message units already on the sign revised. Fasten demountable copy to type I sign panels with aluminum rivets

or aluminum self-tapping screws. Place aluminum rivets or aluminum self-tapping screws at the ends and at 90 degree corners of demountable copy letters, numbers, symbols, border, and route markers. Space rivets or self-tapping screws at a maximum of 6 inches on center. Do not install rivets or self-tapping screws within 1 inch of extruded aluminum panel joints

- (3) Under non-removable bid items, revise the message by covering with a demountable overlay plaque.

638.3.7 Erecting State Owned Signs

- (1) Under the Erecting State-Owned Signs bid items, load state-furnished signs at a specified source, and transport and erect the signs at required locations.
- (2) Advise the engineer at least 10 business days before proposing to load and haul the signs so the engineer has sufficient time to make them available.
- (3) Erect state-furnished signs as specified for erecting signs in 634 through 637.

638.3.8 Restoring the Site

- (1) Restore the site of any sign moved, removed, or erected, repair any damage to work caused by the contractor's operations, and dispose of any surplus excavation or materials. Remove unused concrete footings resulting from the moving or removing of signs as specified for their removal in [204.3](#) and fill the resulting holes with earth or other suitable material as required, and restore the area to a condition similar to the adjacent area.

638.4 Measurement

- (1) The department will measure the bid items under this section as each individual sign location or sign support location acceptably completed, except under the Small Sign Supports bid items, the department will measure each individual post of the associated sign support system.

638.5 Payment

- (1) The department will pay for measured quantities at the contract unit price under the following bid items:

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
638.2100 - 2199	Moving Signs (type)	EACH
638.2600 - 2699	Removing Signs (type)	EACH
638.3000	Removing Small Sign Supports	EACH
638.3100	Removing Structural Steel Sign Supports	EACH
638.3200 - 3299	Revising Signs (type) (message)	EACH
638.3600 - 3699	Erecting State-Owned Signs (type)	EACH
638.4000	Moving Small Sign Supports	EACH
638.4100	Moving Structural Steel Sign Supports	EACH

- (2) Payment for the bid items under this section is full compensation for the work required under the particular bid item; for providing message units as required; and for restoring the site. Payment does not include compensation for furnishing new wood posts, steel sign supports, and concrete footings, if required, the department will pay for these under the pertinent contract bid item, or as extra work if no bid item exists.
- (3) The department will pay for removing overhead sign supports assigned structure ID numbers and their associated concrete foundations under the Removing Ancillary Structures bid items as specified in [204.5](#).