

Special Specification 5121

Historical Marker Relocation



1. DESCRIPTION

Protect, remove, and relocate existing Historical Marker at locations shown on the plans or as directed. The workmanship will be as prescribed by these specifications, in conformity with the details shown on the plans or as directed.

2. MATERIALS

After completing the removal of the existing Historical Marker, replace any material deemed not useable for the relocated Historical Marker with new Historical Marker material of the same design and quality as the existing Historical Marker. A combination of new and existing materials may be used, but only as approved.

3. CONSTRUCTION METHODS

Remove and relocate the existing Historical Marker with concrete foundation to the new location shown on plans. Repair or replace any material damaged during relocation to the satisfaction of the Engineer at no expense to the Department. Before relocation, to deter impacting the Historical Marker, protect the marker from ongoing, adjacent work with protective materials and barriers to keep workers and equipment at a distance so that the marker will not be affected.

Perform excavation in accordance with requirements of Item 400, "Excavation and Backfill for Structures." Excavate at the existing location until the concrete foundation of the Historical Marker is completely exposed. Perform vertical excavation of proposed relocation site to a depth equal to the height of concrete foundation plus a minimum of 12 in. to allow for bedding material under the marker. Extend horizontal excavation of proposed Historical Marker relocation site to a minimum of 1 ft. from the concrete foundation.

Install the Historical Marker on a flat, compacted bedding surface composed of cohesion less material, such as sand, crushed stone, or stone aggregate (with maximum size not exceeding 3/8 in.) in accordance with Item 132, "Embankment." Extend this material to a minimum of 12 in. below the concrete foundation. In addition, extend the bedding material 1 ft. horizontally beyond the concrete foundation.

Provide proper equipment for hoisting and lowering the Historical Marker from the existing location to the newly excavated relocation site in one piece without damaging the marker or disturbing the bedding or sides of the newly excavated areas. Submit for the Engineer's review and approval, the method and plan for relocating the Historical Marker.

Orient the historical marker plumb on a flat shaped compacted bedding surface with the same orientation to road as it was in the existing location. If the marker is out of true vertical alignment, remove and reset it at no expense to the Department.

Backfill around the Historical Marker so as not to cause any damage. After the marker has been installed as required by this specification, backfill the excavated area in accordance with Item 401 "Flowable Backfill" to 6 in. below the natural ground line. Fill the remaining 6 in. with the excavated soil and compact it using hand work or small equipment so as not to damage the Historical Marker.

During the backfilling operations, place special emphasis on the need for obtaining uniform backfill material and uniform compacted density throughout the length of the structure to avoid unequal pressure. Ensure that the backfill materials used are in accordance with the requirements of this specification.

4. MEASUREMENT

This Item will be measured by each historical marker removed, relocated, and complete in place.

5. PAYMENT

The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for by each "Removal and Relocation of Historical Marker." This price is full compensation for removing and relocating the Historical Marker; furnishing and installing the materials that may be required to complete the work which includes but is not limited to: bedding material, flowable backfill, excavation, backfilling, shaping, equipment, labor, tools, disposal of surplus materials, and incidentals necessary to complete the work.

Flowable backfill will not be measured and paid for separately, but will be considered subsidiary to this Item.