

ITEM 63606.75XX M - RESETTING GUIDE RAILING, EMERGENCY STANDBY CONTRACT WORK

DESCRIPTION:

This work shall consist of the resetting of cable guide railing, corrugated beam guide railing and box beam guide railing as shown on the plans or where directed by the Engineer. The resetting of guide rail anchorage units, end assemblies and transition units shall not be covered under this item.

MATERIALS:

The materials comprising the existing system shall be used if they conform to the materials requirements specified for new guide rail systems in the Standard Specifications and are found to be in satisfactory condition as determined by the Engineer. The Contractor shall supply all new hardware (splice, tongues, plates, nuts, bolts, washer, etc.). Replacement materials shall meet the material requirements specified for new guide rail systems in the Standard Specifications. Galvanized railing and posts may be repaired in accordance with Section 719-01, Galvanized Coatings and Repair Methods.

CONSTRUCTION DETAILS:

Posts and railing shall be erected in the position and manner indicated on the standard sheets and in a manner approved by the Engineer.

Posts shall be driven unless otherwise specified by the Engineer. The driving shall be accomplished with approved equipment and methods that will leave the posts in their final position, free of any distortion, burring or other damage. When posts are driven through asphalt concrete or a bituminous treated material, the Contractor shall take care to prevent damage to the paved or treated areas. Large holes and voids caused by driving the posts shall be filled and compacted with a bituminous treated material or asphalt concrete similar to that damaged. The small area adjacent to the post disturbed during installation or where gaps exist at the post after pavement repairs shall be sealed with a bituminous material approved by the Engineer.

As an alternate to driving posts where site conditions are such that driving is not possible, the Contractor shall carefully excavate for all post holes. Post holes and post foundation structures shall be backfilled and backfilled material compacted in accordance with Subsection 203-3.15, Fill and Backfill at Structures, Culverts, Pipes, Conduits and Direct Burial Cables.

On structures base plates for posts shall be anchored as shown on the plans and as specified by the Engineer. Where drilling and grouting is required, the Contractor shall take care to prevent damage to the concrete, asphalt or other paved surfaces. The proposed construction method and equipment for drilling and grouting of holes shall be submitted to the Engineer for approval before drilling and grouting operations begin.

The work of installing the guide railing system when it abuts stabilized shoulder courses shall be coordinated and progressed to provide the least disturbance between the two phases of the work.

All posts shall be aligned to a tolerance of 6 mm for plumb and grade line.

Curved box beam and corrugated beam guide railing shall require shop curving as per Standard Specifications.

The Contractor shall remove, store, clean and reset railing and posts as shown on the plans or as directed by the Engineer. Holes shall be backfilled with a suitable material and compacted in a manner approved by the Engineer. Any railing damaged in handling and placing shall be replaced at the Contractor's expense.

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METHOD OF MEASUREMENT:

The quantity of railing to be paid for will be the number of meters center to center of end posts reset in place as shown on the plans or as directed by the Engineer. If the guide railing is anchored to a structure instead of a deadman, payment will be made for the measured length up to the structure.

BASIS OF PAYMENT:

The unit price bid per meter for the above work items shall include the cost of furnishing all labor, equipment and materials necessary to complete the work.

Any materials damaged due to Contractor's operation shall be replaced by him and the cost shall be included in the price bid for this item.

Payment for resetting guide rail shall include the unit price bid and the measured quantity multiplied by the payment factor for the various typical post spacings as per Standard Specifications.

Payment will be made under:

<u>ITEM NO.</u>	<u>ITEM DESCRIPTION</u>	<u>PAY UNIT</u>
63606.7501M	Resetting Cable Guide Railing, Emergency Standby Contract Work, Quantity Range 1 (0 to 14.9)	m
63606.7502M	Resetting Cable Guide Railing, Emergency Standby Contract Work, Quantity Range 2 (15 or More)	m
63606.7521M	Resetting Corrugated Beam Guide Railing, Emergency Standby Contract Work, Quantity Range 1 (0 to 14.9)	m
63606.7522M	Resetting Corrugated Beam Guide Railing, Emergency Standby Contract Work, Quantity Range 2 (15 or More)	m
63606.7541M	Resetting Box Beam Guide Railing, Emergency Standby Contract Work, Quantity Range 1 (0 to 14.9)	m
63606.7542M	Resetting Box Beam Guide Railing, Emergency Standby Contract Work, Quantity Range 2 (15 or More)	m