

**SECTION 9.12**  
**REMOVE AND RESET POSTS, CABLE**  
**GUIDE RAIL AND METAL BEAM RAIL**

**9.12.01--Description:** This work shall consist of removing existing single posts, existing sections of guide railing and metal beam rail complete, including wire rope, metal beam, fittings, anchorages and posts, and reconstructing the railing in the locations indicated on the plans or as ordered. Any parts of the railing damaged or missing shall be replaced with new parts conforming to the requirements of the specifications.

**9.12.02--Materials:** The materials required to properly complete this work shall conform to the requirements of Section M.10

**9.12.03--Construction Methods:** Construction Methods shall conform to the requirements of the standard specification for the construction of each specific item.

Whenever metal beam rail or cable guide railing is removed from locations where a new run of metal beam rail, cable guide railing or concrete barrier curb is to be installed, the Contractor shall remove only that amount of existing rail or railing which can be replaced with the new run by the close of each day's work.

On long runs or other locations where it is not practical to complete the installation to and including the designed terminal treatment by the end of the work day, the Contractor shall submit to the Engineer details of his proposed methods of temporary attachments of existing rail or railing to the new runs of rail, railing or concrete barrier curb or temporary terminal treatment. No work under this item shall proceed until the Contractor has received approval from the Engineer for all required temporary attachments.

**9.12.04--Method of Measurement:** This work will be measured as follows:

**1--Reset Cable Guide Rail and Metal Beam Rail:** The length to be included for payment shall be the number of meters measured from outside to outside of the end posts to which the rope or rail is attached.

**2--Reset Single Posts:** The number of single posts to be included for payment shall be the actual number of single posts reset and accepted.

**3--New Material:** The amount of new material will be the authorized number of new single posts, fittings anchorages and the authorized number of meters of new rope or metal beam furnished, installed and accepted.

**4--Removal:** Removal of rail shall be measured from center to center of the anchor or in absence of an anchor to the outside of the end post. Single post removal shall be measured as each.

**5--Temporary Treatment:** There will be no measurement for temporary treatments or attachments.

**9.12.05--Basis of Payment:**

**1--Reset Rail:** This will be paid for at the contract unit price per meter for "Reset (Type) Cable Guide Rail (Type-Post)" or "Reset Metal Beam Rail (Type) (System)," complete in place which price shall include all equipment, tools, and labor necessary for the complete removal, storage and installation of existing rail, including excavation, refilling and disposal of surplus material.

**2--Reset Single Posts and Anchorages:** These will be paid for at the contract unit price each for "Reset Single Post," or "Reset Rail Anchorage" complete in place, which price shall include all equipment, tools, and labor necessary for the complete removal, storage and installation of existing posts and anchorages, including excavation, refilling and disposal of surplus material.

**3--New Materials:** Payment for new materials will be at the applicable contract unit prices, or in their absence as extra work in accordance with Article 1.04.05.

**4--Removal:** This will be paid for at the contract unit price each for "Remove Single Post" or per meter for "Remove Cable Guide Rail" or "Remove Metal Beam Rail" as the case may be, which price shall include the removal of each post or rail and anchorages, complete including all equipment, tools, and labor necessary for the complete removal, backfilling, and disposal of surplus material. Surplus rail, cable, posts and hardware not needed for the resetting of railing shall become the property of the Contractor.

**5--Temporary Treatment:** There will be no payment for any temporary treatments or attachments.

Pay Item	Pay Unit
Reset (Type) Cable Guide Rail (Type Post)	m
Reset Metal Beam Rail (Type) (System)	m
Reset Single Post	EA.
Reset Rail Anchorage	EA.
Remove Single Post	EA.
Remove Cable Guide Rail	m
Remove Metal Beam Rail	m