

SECTION 903 -- REMOVE AND RESET GUARDRAIL

903.01 -- Description

1. Removing guardrail shall include the removal of all cable, approach sections, terminal sections, anchorage sections, and beam guardrail materials, fittings, and posts from locations shown in the plans or designated by the Engineer. Concrete anchors shall be removed in their entirety and disposed of by the Contractor.

2. Resetting guardrail shall include setting guardrail salvaged from the project or furnished and delivered to the project by others as indicated in the plans. New concrete anchors shall be furnished by the Contractor. The Contractor shall furnish all new posts, offset blocks, hardware, and incidentals required to install the salvaged rail and cable elements.

903.02 -- Material Requirement

New materials, replacement materials, and concrete shall conform to the requirements of Section 902.

903.03 -- Construction Methods

1. a. (1) When the pay item is "Remove and Salvage Guardrail", the Contractor shall remove the guardrail so that all materials may be salvaged.

(2) When the pay item is "Remove Guardrail", the Contractor shall remove the guardrail and all materials belong to the Contractor and must be removed from the site.

b. Cable removed and not to be reset shall be rolled on spools, and the length of cable on each spool shall not exceed 2,000 feet.

c. (1) Salvaged materials shall be stored on or near the right-of-way at locations designated by the Engineer.

(2) Hardware shall be placed in suitable containers.

(3) No more than 55 pounds of salvaged material shall be placed in a single container.

d. If the plans call for "Resetting Guardrail", the Contractor removing the existing guardrail shall replace all materials damaged during removal at no additional cost to the Department.

e. All materials that the Project Manager determines are not salvageable or needed by the Department shall become the property of the Contractor. The Contractor shall remove all nonsalvagable materials from the project site and properly dispose these materials in accordance with all-applicable laws and regulations.

2. The Contractor shall reset the guardrail at the locations shown in the plans or as directed by the Engineer. The work shall be done in accordance with the requirements of Section 902.

3. End posts may be reset providing the 8 inch x 8 inch x 1/4 inch plate is removed from the bottom of the post and a support bracket is installed on the post at the ground line.

4. Extra line posts may be converted to end posts by removing hook bolts and installing an end post cap and a support bracket as shown in the plans.

903.04 -- Method of Measurement

1. Resetting cable and "W" and "thrie"-beam guardrail is measured by the liner foot. The Department will compute the length of guardrail reset by the linear foot from center to center of guardrail element end connections, including approach and terminal sections, for each continuous length of guardrail.

2. Removal of cable and "W" and "thrie"-beam guardrails is measured by the linear foot. The Department will compute the length of guardrail removed by the linear foot from center to center of guardrail element end connections, including approach and terminal sections, for each continuous length of guardrail.

903.05 -- Basis of Payment

1. Pay Item	Pay Unit
Reset Guardrail	Linear Foot (LF) [meter (m)]
Remove & Salvage Guardrail	Linear Foot (LF) [meter (m)]
Remove Guardrail	Linear Foot (LF) [meter (m)]

2. Payment is full compensation for all work required in this Section.