

ITEM 451

REMOVING & REPLACING DAMAGED RAILING

451.1 Description. This item shall govern for the removal of existing railing, modified as indicated on the plans and replacing it on finished bridges at locations indicated on the plans and in accordance with these specifications and the details shown on the plans.

451.2 Construction Methods. Existing railing shall be removed in such a manner that it will not be damaged and shall be placed carefully on adequate blocking in a storage area approved by the Engineer, so that it will not interfere with the traffic. Any materials of the railing that are lost, damaged by repair or broken by the contractor shall be replaced at his expense.

Damaged railing shall be replaced as shown on the plans and as directed by the Engineer. New anchor bolts and washers, repairing, etc., shall be provided as necessary to repair the railing and place it back into position.

Galvanized steel railing shall be cleaned thoroughly to an acceptably uniform color. Galvanizing damaged in removal or replacement, or galvanizing which has been damaged previously shall be cleaned thoroughly of rust or other foreign matter and the cleaned area shall be painted with two coats of zinc dust-zinc oxide paint conforming to the requirements of Federal Specification TT-P-641b, or shall be repaired by application of galvanizing repair compounds meeting Federal Specification O-G-93 in accordance with the manufacturer's recommendations.

451.3 Measurement. Removing and replacing damaged railing shall be measured by the linear foot of railing, complete in place. Measurement will be made upon the face of the rail, in place, in accordance with the dimensions shown on the plans.

Work performed under this specification shall be performed at such time and executed in such manner that will cause a minimum of inconvenience to traffic.

451.4 Payment. The work performed as prescribed by this item, measured as provided above, will be paid for at the unit price bid for "Removing & Replacing Damaged Railing", of the type specified, which price shall be full compensation for salvaging the existing railing or rebuilding it complete in place as shown on the plans and for furnishing

all additional materials, galvanizing and for all labor, tools, hardware, equipment and incidentals necessary to complete the work.

There are line code(s), description(s), and unit(s) for this item.

END OF ITEM 451

SUMMARY SHEET

ITEM 451 - REMOVING & REPLACING DAMAGED RAILING

Other Specifications Required
Item 450 - Concrete & Steel Railing

Reference Standards

1. Federal Specification TT-P-641b
2. Federal Specification O-G-93

Payment:

Payment will be made at the contract unit price bid per linear foot for railing, of the type indicated on the drawings.

DO NOT INCLUDE THIS SHEET IN THE CONTRACT SPECIFICATIONS.