

## Revision of Section 210 Reset Bridge Railing

Revise Section 210 of the Standard Specifications for this project to include the following:

### Description

This work consists of resetting the steel portion of bridge railing per these specifications and conforming to the lines and details shown on the plans. All reset items shall be carefully removed, stored, reinstalled, or adjusted in a manner that will avoid loss or damage.

### Construction Requirements

At least 10 working days before beginning removal, the Contractor shall submit a method statement to the Engineer with details of the removal, adjustment, and reset operations including, the means, methods, construction sequence, tools, and equipment to be used. The Engineer must approve all operations, methods, and equipment before the work begins.

The Contractor's Method Statement shall also include proposed methods used to:

- 1) Repair any damaged anchorages found deficient during reset.
- 2) Track and identify the location of removals on the bridge railing or the component of bridge railing.
- 3) Temporarily store bridge railing and components, methods used to store, and location where stored before it is reset.
- 4) Protect the traveling public using and adjacent to the structure during reset operations.

The Contractor shall take all steps necessary to protect the bridge railing and the existing structure. Any damage caused by the Contractor to any portion of the structure damaged during the reset bridge railing operation shall be repaired in kind by the Contractor at the Contractor's expense using means and methods approved by the Engineer with no allowance for contract time extension.

Conduct reset operations to protect the traveling public and minimize interference with [the railroad or] ♠ the traveling public on or below the structure. [Coordinate removal operations with the Railroad to not interfere with daily train operations.] ♠

Reset the bridge railing and posts as shown in the plans. The Contractor shall supply and install any new materials needed to restore the railing to an acceptable condition. New materials shall include reflectors and hardware needed to complete the installation.

Structural steel elements shall conform to the requirements of sections 509 and as shown in the plans.

### Method of Measurement

Reset Bridge Railing will be measured by the actual length completed and accepted.

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**Basis of Payment**

Payment will be made under:

Pay Item	Pay Unit
Reset Bridge Railing	Linear Foot

Payment for Reset Bridge Railing will be total compensation for all labor, equipment, materials, tools, and incidentals required to reset bridge railing,

Payment will also include all anchor bars, anchor bolts, miscellaneous bolts, nuts, washers, and epoxy grout required for the reset.

Cleaning of salvaged material, including posts, tubes, splices, and miscellaneous hardware required for the reset, will not be paid for separately but shall be included in the work.

The temporary storage of removed bridge railing and components will not be paid for separately but shall be included in the work.

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**Instructions to Designers** (delete instructions and symbols from final draft):

Use this project special provision to reset bridge railing when other work (curb removal, repair, etc.) requires removal and resetting of steel portions of bridge rail. If resetting is at option of Contractor this project special is not required and the plans should note that resetting is included in the cost of the work.

- ♣ Use if railroad is below the structure.

**Permanent Changes to Project Dated Special Provisions**

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<u>Date</u>	<u>Author</u>	<u>Description of Change</u>
1/14/19	BPM Cons.	Initial Website Issue
11.1.2021	M. Kayen	Revisions to grammar, format as per CDOT Style Guide (4.22.21)
04.06.2023	M. Kayen	Revisions to make spec online accessibility-compliant.