

**REVISION OF SECTION 202  
CLEAN BOX GIRDER**

Revise Section 202 of the Standard Specifications for this project as follows:

**DESCRIPTION**

This work consists of removing and disposing of foreign materials from the inside of bridge box girders at locations shown on the plans.

**CONSTRUCTION REQUIREMENTS**

Box girders are “confined spaces,” as defined by OSHA. The Contractor shall comply with all safety regulations when cleaning them. Before entering any girder, it shall be tested by a qualified person able to anticipate, recognize, and evaluate exposure and hazards one might expect inside and determine whether the girder is Level A, B, or C exposure per OSHA regulation 29 CFR 1910.146. The Contractor is responsible for determining the appropriate personal protective equipment required for each situation based upon the exposure Level and other pertinent factors.

Remove and dispose of all foreign material not part of the girder per regulation, including but not limited to:

- Wood.
- Sawdust.
- Nails.
- Timber formwork.
- Concrete form tubes.
- Bird excrement.
- Nesting materials.
- Organic substances.
- All other materials.

Clean the box girder with an industrial vacuum. Mop or pressure wash the girder to remove all traces of organic matter. If using pressure washing, the Contractor shall contain and remove all wash water and dispose of it per regulation. Disposal of wash water shall be at a sanitary sewer treatment plant to be determined by the Contractor. The Contractor shall provide the Engineer with certified documentation from the disposal facility, verifying appropriate disposal. Standing wash water shall be removed. Spray all newly cleared surfaces with a disinfectant approved by the Engineer. Apply the product per the manufacturer's recommendations.

The Contractor shall photo document finished girder cleanouts and submit it to Engineer for approval as completion of the item. The photo documentation shall include pictures showing the entire girder interior of each girder, all access holes into the girder, and through the girder webs and diaphragms.

**METHOD OF MEASUREMENT**

Measure Clean Box Girder by the interior surface area of the bottom flange or floor of the girder, shown on the plans, in square feet.

**BASIS OF PAYMENT**

The accepted quantities of Removal of Debris will be paid for at the contract unit price.

Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
Clean Box Girder (Forms and Debris)	Square Foot

Payment for Clean Box Girder will be total compensation for all labor, materials, tools, equipment, containment, disposal, and incidentals, including but not limited to:

- Paying fees required to complete cleanout of formwork.
- Removing sawdust.
- Removing concrete form tubes, debris, and organic material in the entire interior of the girders including, top and bottom flanges, diaphragms, and webs.

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Cleaning with the industrial vacuum, power-washing, mopping, disinfection, and removal of any excess water will not be measured and paid for separately; include it in the work.

Photo documentation required for payment will not be measured and paid for separately; include it in the work.

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**INSTRUCTIONS TO DESIGNERS:** (delete all instructions and symbols from final draft):

Use this project special provision for cleaning out Box Girders of debris and formwork.

**PERMANENT CHANGES TO PROJECT DATED SPECIAL PROVISIONS**

**REVISION OF SECTION 202 Clean Box Girder**

<u>DATE</u>	<u>AUTHOR</u>	<u>DESCRIPTION OF CHANGE</u>
1/14/19	BPM Cons.	Initial Website Issue
11.01.21	M. Kayen	Revisions to grammar, format as per CDOT Style Guide (4.22.21)