

Standard Specifications for Road and Bridge Construction



Prepared by

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SECTION 612 REINFORCING STEEL

612.01 DESCRIPTION

This work consists of furnishing and placing reinforcing steel.

612.02 EQUIPMENT

Reserved.

612.03 MATERIALS

Item	Section
Reinforcing Steel, Dowel Bars, and Tie Bars	836

Fabricate reinforcing steel in accordance with CRSI's Manual of Standard Practice.

Furnish reinforcing steel in the full length specified without using splices.

612.04 CONSTRUCTION REQUIREMENTS

A. Bar List.

Add a prefix to all bar designations to differentiate between the different structures on the same project.

B. Storage of Reinforcing Steel.

Do not store reinforcing steel in direct contact with the ground. Incorporate reinforcement into the work only if it is free of deleterious material and detrimental scale or rust.

C. Field Bending.

Do not field bend bars, unless specified. If field bending is specified, bend reinforcing bars cold.

D. Placing and Tying.

Provide the Engineer 24 hours to inspect reinforcing steel before concrete placement. Tie bars at intersections unless the spacing is less than 12 inches in any direction, then only tie alternate intersections.

Do not weld, flame cut, or heat bars.

Tie the top layer of transverse deck slab reinforcing steel to the shear connectors at each girder line at a maximum longitudinal spacing of 6 feet. Anchor the top layer of transverse approach slab reinforcing steel to the ground using steel stakes at a maximum spacing of 7 feet in the longitudinal and transverse directions. Ties shall be two wraps of 14 gauge non-corrosive ties.

Use bar supports that are made of plastic or metal. Use corrosion-proof legs if metal bar supports rest on the forms. Place bolsters and bar supports for deck slabs and approach slab at a maximum of 4-foot spacing.

Tie bundled bars at 6-foot maximum spacing.

E. Epoxy Coated Reinforcing Steel.