

SECTION 00530 - STEEL REINFORCEMENT FOR CONCRETE

(Follow all instructions. If there are no instructions above a subsection, paragraph, sentence, or bullet, then include them in the project. The specifications may be modified to include project specific specifications, but all additions, deletions, or modifications must be sent to the ODOT Technical Resource and Senior Specifications Engineer for review and approval.)

Comply with Section 00530 of the Standard Specifications modified as follows:

(Use the following subsection .10 when dowels are required.)

00530.10 Materials - Add the following line to the list of materials:

Dowels.....02510.50

(Use the following subsection .45 when epoxy coated rebar is required.)

00530.45 Inspection and Repair of Epoxy Coated Rebar - Replace this subsection, except for the subsection number and title, with the following:

Inspect coated bars before placement for damage to coating. Before installation, patch all visual defects in the coating with a manufacturer recommended patching material according to AASHTO M 284 (ASTM A775). Repair damaged coated areas as follows:

- Remove all surface contaminants and damaged coating.
- Promptly repair prepared areas according to the resin manufacturer's recommendations and before detrimental oxidation occurs.
- If rust is present, remove it by blast cleaning or power tool cleaning methods immediately before applying the patching material.
- Feather the patching material 2 to 3 inches, or as recommended by the manufacturer, into undamaged coated areas.
- Apply patching material to a thickness greater than 8 mils.

Repair damage found after placement as specified above. Coating damage exceeding 2 percent of the surface area in any lineal foot section of a bar may be cause for rejection of that bar.

(Use the following subsection .80(a) when reinforcement is paid for on the lump sum basis. Remove the coated column if coated steel is not required. Obtain information from the Bridge Designer.)

00530.80(a) Lump Sum - Add the following to the end of this subsection:

The estimated quantity of reinforcement is:

Structure	Uncoated (Pound)	Quantity	Coated (Pound)
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The weight of miscellaneous metal, based on weights listed in 00530.80(b) and Project quantities, is included in the estimated quantity of uncoated reinforcement.