

EXPECTED IMPLEMENTATION JULY 2016

931 METAL ACCESSORY MATERIALS FOR CONCRETE PAVEMENT AND CONCRETE STRUCTURES.

(REV 10-14-15) (FA 1-11-16) (7-16)

SUBARTICLE 931-1.1 is deleted and the following substituted.

931-1.1 Steel Bars: Unless otherwise shown in the Plans, billet steel bars for concrete reinforcement shall conform to the requirements of ASTM A615 Grade 60 except that the process of manufacture will not be restricted. For processes not included in ASTM A615 the phosphorus content will be limited to 0.08%.

The following special requirements shall apply:

1. Unless otherwise specified or shown in the Plans all reinforcement bars No. 3 and larger shall be deformed bars.
2. All billet-steel bars shall be of the grade called for in the Plans.
3. Twisted bars shall not be used.
4. Wherever in the Specifications the word "purchaser" appears it shall be taken to mean the Department.

Acceptance of reinforcing steel shall be based on samples taken by the Department and manufacturer's certified mill analysis certifying that the test results meet the specification limits of the ASTM or AASHTO designation for the particular size, grade and any additional requirements. The manufacturer's certified mill analysis for each heat, size, and grade per shipment of reinforcing steel shall be provided to the Engineer prior to use.

The Engineer will select samples representing each LOT of reinforcing steel. A sample is defined as the reinforcing steel and the certified mill analysis corresponding to the sample. A LOT is defined as the weight of all bars, regardless of size, grade or pay item in consecutive shipments of 80 tons or less. Samples shall be cut from bundled steel that is shipped to the jobsite.

SUBARTICLE 931-2.1 is deleted and the following substituted.

931-2.1 Sheet Metal Bottom Strips: The sheet metal strip for protecting the bottom and side edges of transverse expansion joints shall be composed of galvanized sheet metal of 0.0157 inches minimum thickness and shall conform to the requirements of ASTM A653. The sheets shall be furnished in accordance with the dimensions shown in the Plans. They may be in one continuous piece, or spliced. When splicing is used the metal shall be lapped not less than 3 inches and securely fastened, by welding or otherwise, in such manner as to leave the spelter undamaged and produce a smooth sliding surface in contact with the pavement slab. The splices shall be spaced not less than 10 feet apart and not less than 5 feet from either end. The complete sheet shall not vary from a straight line by more than 1 inch from end to end.

The Contractor shall submit to the Engineer a certified mill analysis from the manufacturer of the sheet metal bottom strips including test results for thickness, dimension, grade, length, size, and spacing. Each certified mill analysis shall cover only one type of metal material for joints.

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SUBARTICLE 931-2.3 is deleted and the following substituted.

931-2.3 Dowel Bars: Dowel bars shall be plain steel bars conforming to the requirements of ASTM A615 for any grade of steel shown. They shall be of the length, size and spacing as shown in the Plans.

The Contractor shall submit to the Engineer a certified test report from the manufacturer of the dowel bars confirming that the requirements of this Section are met. The certified test report shall conform to the requirements of Section 6 and include metallurgical mill analysis, grade, length and size. Each certification shall cover only one LOT for dowel bars.