

ORIGINATION FORM

Date: 1-17-12

Originator: Timothy J. Ruelke

Contact Information: State Materials Office/352-955-6620

Specification Title: Metal Accessory Materials for Concrete Pavement and Concrete Structures
Specification Section, Article, or Subarticle Number: 931

Why does the existing language need to be changed? To define LOT size and clarify acceptance for reinforcing steel.

Summary of the changes:

Add definition of a LOT of reinforcing steel. Clarify the acceptance as based on Certified Mill Analysis for every heat, size and grade per shipment plus testing of physical samples 1 every 80 tons of the steel used on the contract.

Are these changes applicable to all Department jobs? If not, what are the restrictions?
These changes are applicable to all Department jobs.

Will these changes result in an increase or decrease in project costs? If yes, what is the estimated change in costs? The changes should not change project costs. The purpose is to clarify current requirements.

With who have you discussed these changes? District Materials Concrete personnel.

What other offices will be impacted by these changes? Construction.

Are changes needed to the PPM, Design Standards, SDG, CPAM or other manual? No.

Is a Design Bulletin, Construction Memo, or Estimates Bulletin needed? No.

Contact the State Specifications Office for assistance in completing this form.

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ANANTH PRASAD, P.E.
SECRETARY

MEMORANDUM

DATE: February 29, 2012

TO: Specification Review Distribution List

FROM: Duane F. Brautigam, Director, Office of Design

SUBJECT: Proposed Specification: **9310100 Metal Accessory Materials for Concrete Pavement and Concrete Structures.**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change.

This change was proposed by Tim Ruelke to define LOT size and clarify acceptance for reinforcing steel.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or to my attention via e-mail at RD967SB or duane.brautigam@dot.state.fl.us. Comments received after **March 28, 2012**, may not be considered. Your input is encouraged.

DB/cah
Attachment

METAL ACCESSORY MATERIALS FOR CONCRETE PAVEMENT AND CONCRETE STRUCTURES.

(REV 1-23-12)

ARTICLE 931-1 (of the Supplemental Specification) is deleted and the following substituted:

931-1 Reinforcement Steel (for Pavement and Structures).

931-1.1 Steel Bars: Unless otherwise shown in the plans, billet steel bars for concrete reinforcement shall conform to the requirements of ASTM A-615 Grade 60 except that the process of manufacture will not be restricted. For processes not included in ASTM A-615 the phosphorus content will be limited to 0.08%.

The following special requirements shall apply:

- (1) Unless otherwise specified or shown on 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 on 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 ~~test~~ samples taken ~~randomly~~ by the Department and manufacturer’s certified mill analysis *certifying that the of* test results meeting the specification limits of the ASTM or AASHTO designation for the particular size, grade and any additional requirements. ~~Prior to use, submit to the Engineer~~ *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 Randomly take select test samples and certification of test values certified mill analysis, representing each production LOT of reinforcing steel, shall be provided to the Engineer for each Contract prior to use. 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. Randomly taken test s Samples shall be cut from bundled steel that is shipped to the jobsite.

931-1.2 Welded Wire Reinforcement: Welded wire reinforcement shall meet the requirements of AASHTO M-55.

Welded deformed wire reinforcement shall meet the requirements of AASHTO M-221.

Wherever the word “purchaser” is used it shall mean the Department.