

ORIGINATION FORM

Proposed Revisions to the Specifications

(Please provide all information - incomplete forms will be returned)

Date:

Office:

Originator:

Specification Section:

Telephone:

Article/Subarticle:

email:

Associated Section(s) Revisions:

Will the proposed revision require changes to:

Publication	Yes	No	Office Staff Contacted
Standard Plans Index			
Traffic Engineering Manual			
FDOT Design Manual			
Construction Project Administration Manual			
Basis of Estimate/Pay Items			
Structures Design Guidelines			
Approved Product List			
Materials Manual			

Will this revision necessitate any of the following:

Design Bulletin

Construction Bulletin

Estimates Bulletin

Materials Bulletin

Are all references to external publications current?

Yes

No

If not, what references need to be updated? (Please include changes in the redline document.)

Why does the existing language need to be changed?

Summary of the changes:

Are these changes applicable to all Department jobs?

Yes

No

If not, what are the restrictions?

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

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M E M O R A N D U M

DATE: November 4, 2021
TO: Specification Review Distribution List
FROM: Daniel Strickland, P.E., State Specifications Engineer
SUBJECT: Proposed Specification: **9310203 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.

The changes are proposed by Tim McCullough to move materials requirements to a table and add quality and emission requirements when paint is applied in the field to the Standard Specification.

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 online at <http://fdotewp1.dot.state.fl.us/programmanagement/development/industryreview.aspx> . Comments received after **December 2, 2021**, may not be considered. Your input is encouraged.

DS/dh

Attachment

METAL ACCESSORY MATERIALS FOR CONCRETE PAVEMENT AND CONCRETE STRUCTURES.

(REV 10-6-21)

SUBARTICLE 931-2.3 is deleted and the following substituted:

931-2.3 Dowel Bars: Dowel bars must meet the requirements of Table 931-1. ~~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. When coated dowel bars are specified, coat with epoxy meeting the requirements of ASTM A775 by a producer with Epoxy Coating Certification from the Concrete Reinforcing Steel Institute, or one coat of zinc-rich primer meeting the requirements of SSPC Paint 20.~~

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.

SUBARTICLE 931-3.1 is deleted and the following substituted:

931-3 Metal Dowel Bar Assemblies for Joints in Concrete Pavement.

931-3.1 Approved Product List (APL): The dowel bars and basket assembly ~~used~~ must meet the requirements of Table 931-1 and shall be a product included on the Department's APL.

Manufacturers or distributors seeking approval of their material in accordance with this specification shall demonstrate the performance of their products in accordance with the requirements in 931-3.2 thru 931-3.6.

<u>Table 931-1 Material Requirement for Dowel Bar and Basket Assemblies</u>		
<u>Component</u>	<u>Base Metal</u>	<u>Coating</u>
<u>Dowel Bar</u>	<u>ASTM A615</u>	<u>ASTM A775 or SSPC Paint 20</u>
<u>Wire Basket Assembly</u>	<u>ASTM A1064</u>	<u>ASTM A775 or SSPC Paint 20 or Primer with \geq 40% Solids (by weight)</u>

Produce dowel bars coated in the shop. Wire basket assemblies may be coated in the shop or the field. For welded wire basket assemblies fabricated after coating, apply touch-up coating in the shop or field over all welded connections. All field applied coatings must have a volatile organic compound (VOC) content \leq 420g/L.

SUBARTICLE 931-3.6 is deleted.

~~**931-3.6 Materials:** The wire for the welded assembly shall be in accordance with all applicable requirements of ASTM A1064.~~

9310203

All Jobs

————— After fabrication of dowel bar assemblies, apply coating in accordance with the requirements of 931-2.3.