



*Florida Department of Transportation*

RON DESANTIS  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.  
SECRETARY

November 2, 2023

Khoa Nguyen  
Director, Office of Technical Services  
Federal Highway Administration  
3500 Financial Plaza, Suite 400  
Tallahassee, Florida 32312

Re: State Specifications Office  
Section: 931  
Proposed Specification: **9310101 Metal Accessory Materials for Concrete Pavement  
and Concrete Structures.**

Dear Mr. Nguyen:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

The changes are proposed by Tim Mccullough to add new coating options for the Contractors.

Please review and transmit your comments, if any, within two weeks (10 business days). Comments should be sent via email [daniel.strickland@dot.state.fl.us](mailto:daniel.strickland@dot.state.fl.us).

If you have any questions relating to this specification change, please call me at (850) 414-4130.

Sincerely,

Signature on File

Daniel Strickland, P.E.  
State Specifications Engineer

DS/dh

Attachment

cc: Florida Transportation Builders' Assoc.  
State Construction Engineer

## METAL ACCESSORY MATERIALS FOR CONCRETE PAVEMENT AND CONCRETE STRUCTURES.

(REV 5-5-23)

SUBARTICLE 931-1.1.5 is deleted and the following substituted:

**931-1.1.5 Acceptance of Steel Bars:** Acceptance of reinforcing steel shall be based on the manufacturer being on the National Transportation Product Evaluation Program (NTPEP) list of compliant producers, samples taken by the Department, and manufacturer's certified mill analysis. The test results shall meet the specification limits of the ASTM or AASHTO designation for the 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 100 tons or less. Samples shall be cut from bundled steel that is shipped to the jobsite.

Projects with less than two tons of bars do not require Department sampling.

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 must meet the requirements of Table 931-1 and shall be a product included on the Department's APL.

Manufacturers seeking evaluation of their product shall submit an application in accordance with Section 6 and shall submit product photo and drawings, technical data sheets, and certifications that demonstrate the performance of their products in accordance with the requirements in 931-3.1 thru 931-3.5.

Table 931-1 Material Requirement for Dowel Bar and Basket Assemblies		
Component	Base Metal	Coating
Dowel Bar	ASTM A615	ASTM A775 or SSPC Paint 20 <u>or</u> <u>Epoxy <math>\geq</math> 1.25% self-healing microcapsules (by weight)</u>
Wire Basket Assembly	ASTM A1064	ASTM A775 or SSPC Paint 20 or Primer with $\geq$ 40% Solids (by weight) <u>or</u> <u>Asphaltum Protective Coating or</u> <u>Modified Wax Coating or</u> <u>Corrosion Preventative Compound</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

Admin change in 931-1.1.5 added comma

in the shop or field over all welded connections. All field applied coatings must have a volatile organic compound (VOC) content  $\leq 420\text{g/L}$ .

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