

9310203 Metal Accessory Materials for Concrete Pavement and Concrete Structures
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (Industry 11-23-21)

Section 931-3.1 does not contain the necessary information to submit an application to the APL. I recommend that the second paragraph be deleted and the following language be added in its place: '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 931-3.2 thru 931-3.6.

Response: We have accepted the recommendations from the APL office and corrected the numbering to reflect the new organization of the section. It now has the requirements showing 931-3.1 thru 931-3.5 (3.1 added a table, and 3.6 was deleted).

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 ~~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 ~~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~~ 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 931-3.2-1 thru 931-3.65.

<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.~~

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