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).

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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 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 931-3.1 thru 931-3.65.

<table>
<thead>
<tr>
<th>Table 931-1 Material Requirement for Dowel Bar and Basket Assemblies</th>
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<tbody>
<tr>
<td><strong>Component</strong></td>
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<tr>
<td>Dowel Bar</td>
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<tr>
<td>Wire Basket Assembly</td>
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</tbody>
</table>

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 ≤ 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.