

SECTION 1010 REINFORCEMENT

1010.1 REQUIREMENTS

- A. **Bar Reinforcement - Structures:** Bar reinforcement shall conform to AASHTO M 31.
- B. **Welded Steel Wire Fabric:** Welded steel wire fabric shall conform to AASHTO M 55.
- C. **Dowel and Tie Bars:** Tie bars for concrete pavement shall conform to the requirements of AASHTO M 31, Grade 40 (300). Tie bars shall be deformed bars.

Dowel bars for concrete pavement shall conform to AASHTO M 31, M 227, or M255, Grade 40 (300) minimum. Dowel bars shall have an epoxy coating. The coating shall conform to AASHTO M254 Type B except the film thickness shall be 5 to 10 mils (0.13 to 0.25 mm) after cure. Dowel bars shall be plain round bars, free from burring or other deformation restricting slippage in the concrete.

Shearing will be permitted, provided the coating is not damaged and subject to permissible deformation. Any deformation larger than true shape shall not exceed a 0.04" (1.0 mm) increase in diameter or thickness and shall not extend more than 0.40" (10 mm) from the dowel end.

Asphaltic bond breakers that may be used to precoat the dowel bar assemblies will include, MC-70, RC-70, RC-250, CRS-1, CRS-2, CSS-1h, HFMS-2, HFMS-2h, or HFMS-2s.

- D. **Bar Reinforcement - Paving:** Bar reinforcement for concrete pavement, except dowel bars shall conform to the requirements of AASHTO M 31 Grade 40 (300).
- E. **Epoxy Coated Reinforcement:** A Certificate of Compliance shall be furnished for each shipment supplied for use on a project, along with a copy of the quality control test results. Epoxy coated dowel bars shall comply with AASHTO M 254, Type B all other epoxy coated reinforcement shall comply with AASHTO M 284.