SP-120134
(New)

Iowa Department of Transportation

SPECIAL PROVISIONS
FOR
ASPHALT INTERLAYER

Pocahontas County
NHSX-003-3(52)--3H-76

Effective Date
April 15, 2014

THE STANDARD SPECIFICATIONS, SERIES 2012, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE SPECIAL PROVISIONS AND THEY PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS AND APPLICABLE DEVELOPMENTAL SPECIFICATIONS.

120134.01 DESCRIPTION.
These special provisions describe the requirements for a highly polymer modified asphalt interlayer. Apply Section 2303 unless otherwise directed in these special provisions.

120134.02 MATERIALS.

A. Asphalt Binder.
Use a PG +64-34 for the interlayer mixture.

B. Mix Design.

1. See Materials I.M. 510 Appendix A.

2. Mix approval is based on Performance Testing Requirements per Table 4 in Materials I.M. 510 Appendix A. Hamburg test is not required.

120134.03 CONSTRUCTION.

A. Tack the milled, cleaned surface prior to placement of the interlayer. Apply a second tack coat prior to placement of the intermediate layer.

B. Compact with static steel wheeled roller unless otherwise approved by the Engineer.

C. Do not open to traffic until the entire mat has cooled below 150°F.

D. If traffic on the interlayer exceeds 2 calendar days, rutting will be measured per ASTM E1703 at 100-ft increments within the wheel path. If the average rut depth over all locations exceeds 1/8 inch, remove and replace at no additional cost to the contracting authority.

120134.04 QUALITY ASSURANCE / QUALITY CONTROL.

A. Field Voids Acceptance.
Acceptance for field voids shall be Class II compaction.

B. Lab Voids Acceptance.
Sample and test one hot box per day of production unless otherwise approved by the Engineer. Apply Article 2303.05, A, 3, a, 2 for AAD acceptance. Air void target is based on approved JMF.

C. Take at least one cold feed for gradation control.

120134.05 METHOD OF MEASUREMENT.
Apply Article 2303.04.

120134.06 BASIS OF PAYMENT.
Apply Article 2303.05.