



**SPECIAL PROVISIONS
FOR
HMA LABORATORY FRICTION TESTING**

**Polk County
IMN-35-3(190)87--0E-77**

**Effective Date
March 15, 2011**

THE STANDARD SPECIFICATIONS, SERIES 2009, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE SPECIAL PROVISIONS AND THEY SHALL PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS AND APPLICABLE DEVELOPMENTAL SPECIFICATIONS.

090113.01 DESCRIPTION.

These special provisions apply to the HMA overlay of the specified Northeast Mix Master ramps. In addition to the specified 30M ESAL L-2 HMA mix design criteria, mix approval will be based on supplemental laboratory performance testing.

090113.02 MATERIALS.

The mixture shall contain a minimum 30% Type 2 material in the total aggregate.

090113.03 LABORATORY PERFORMANCE TESTING.

Provide a mix design with a minimum British Pendulum Number (BPN) of 50 while satisfying all other criteria in Materials I.M. 510 and Article 2303.

To measure the surface frictional properties of the proposed mixture compact three gyratory specimens (6 inch diameter) to 7% \pm 1.0 air voids at the design optimum binder content. Test each specimen according to ASTM E 303, "Standard Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester". The average BPN shall be greater than or equal to 50 for approval.

090113.04 METHOD OF MEASUREMENT AND BASIS OF PAYMENT.

The cost of additional testing required by this Special Provision will be incidental to the price bid for the HMA mix being tested.