



**DEVELOPMENTAL SPECIFICATIONS
FOR
HIGH PERFORMANCE THIN LIFT OVERLAY**

**Effective Date
October 20, 2015**

THE STANDARD SPECIFICATIONS, SERIES 2015, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE DEVELOPMENTAL SPECIFICATIONS AND THEY PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.

15025.01 DESCRIPTION.

These specifications describe requirements for a highly polymer modified asphalt thin lift surface course. Apply Section 2303 of the Standard Specifications unless otherwise directed in these specifications.

15025.02 MATERIALS.

A. Asphalt Binder.

Use a PG 76-34 with a minimum percent recovery of 90% when tested per AASHTO T 350 at 3.2 kPa. See Table 4137.01-1 in the Standard Specifications for test temperature.

B. Mix Design.

1. See Materials I.M. 510 Appendix A.
2. 50% of the total aggregate shall be Friction Type 4 for non-interstate roadways, and Friction Type 2 for interstate roadways.
3. Mix approval is based on Performance Testing Requirements per Table 5 in Materials I.M. 510 Appendix A.
4. Do not use RAP.

15025.03 CONSTRUCTION.

- A. Apply tack coat prior to placement of thin lift overlay using a trackless product approved on AASHTO's Product Evaluation Listing (APEL).
- B. Pave when ambient temperatures are at least 60°F and rising
- C. Compact with steel wheeled roller.
- D. Do not open to traffic until the entire mat has cooled below 150°F.
- E. **Quality Assurance/Quality Control.**

1. Field Voids Acceptance.

Acceptance for field voids shall be Class II compaction defined in Section 2303 of the Standard Specifications.

2. 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, of the Standard Specifications for AAD acceptance. Air void target is based on approved JMF.

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

15025.04 METHOD OF MEASUREMENT.

Hot Mix Asphalt Thin Lift Overlay, of the size specified, will be measured according to Article 2303.04 of the Standard Specifications.

15025.05 BASIS OF PAYMENT.

Hot Mix Asphalt Thin Lift Overlay, of the size specified, will be paid for according to Article 2303.05 of the Standard Specifications.