# Hot Applied Seal Coat NJSP-19-03

**1.0 Description.** This work shall consist of placing a hot applied seal coat as shown on the plans in accordance with Sec 409, with specific requirements as follows:

**2.0 Material.**

**2.1 Bituminous Material.** The bituminous material shall be a polymer modified Performance Graded (PG) 76-22 asphalt cement in accordance with Sec 1015.10. The polymer modified asphalt cement shall have a minimum elastic recovery of 65 as tested in accordance with AASHTO T 301.

**2.2 Aggregate Material.** The aggregate for the seal coat shall be in accordance with Sec 1003, for the grade specified in the plans. In addition, the aggregate shall be a non-carbonate that has a minimum acid insoluble residue (AIR) of 85 percent when tested in accordance with MoDOT TM 76.

**3.0 Construction Requirements.**

**3.1 Application Rate Requirements.** The target application rate for the polymer modified asphalt cement for the grade designated in the plans, shall be:

|  |  |  |
| --- | --- | --- |
| **Grade** | **A1** | **A2** |
| Target PG 76-22 AC Binder Application Rate, gal/sy | 0.34 | 0.24 |

The aggregate chips shall be embedded in the binder to between 50 to 70 percent of their thickness after rolling and traffic has completely fully seated the aggregate particles. Polymer modified asphalt cement shall be applied between 300° and 350° F; unless otherwise recommended by the supplier. Variance of the polymer modified asphalt cement and/or aggregate application rates shall be in accordance with Sec 409.3.2.

**4.0 Method of Measurement.** Method of measurement shall be in accordance with Sec 409.

**5.0** **Basis of Payment.** Payment for Hot Applied Seal Coat as described in this provision will be made at the contract unit price for the following items:

409-99.05, Modified Seal Coat Aggregate, Grade A1 per square yard

409-99.05, Modified Seal Coat Aggregate, Grade A2, per square yard

409-99.12, Polymer Modified Asphalt Cement, per gallon

**DRAFTER’S NOTE: REMOVE ANY BID ITEM THAT DOES NOT APPLY TO PROJECT. THE SEAL COAT AGGREGATE IS MODIFIED BECAUSE OF THE AIR OF 85 PERCENT INSOLUBLE RESIDUE** **REQUIREMENT IN THIS JSP. THIS WILL RESULT IN NO LIMESTONE BEING USED FOR AGGREGATE.**