S U P P L E M E N T A L S P E C I F I C A T I O N

AMENDMENT TO SECTION 401 – PLANT MIX PAVEMENTS – GENERAL

The purpose of this Supplemental Specification is to allow the use of Warm Mix Asphalt (WMA) and amend the minimum specified temperature to 260º F (125º C).

Add to 2.11:

2.11.2 The use of Warm Mix Technologies is permitted in mix production. Qualified technologies are listed on the Qualified Warm Mix Asphalt (WMA) Technologies List.

Amend Section 3.4.11 to read:

3.4.11 The aggregate shall be dried and heated to a minimum temperature of 260° F (125° C). The asphalt binder shall be heated to a temperature between **260º** and 325º F (**125º** and 165° C). Each size of hot aggregate, the mineral filler if required, and the bituminous cement shall be measured separately and accurately to the proportions in which they are to be mixed. The mixture shall be made by charging the mixer with the hot aggregate, coarse sizes first, unless otherwise directed, which shall be dry mixed for 5 to 15 seconds. The asphalt binder shall be added and the mixing continued until a uniform coating is obtained and all particles of the aggregate are thoroughly coated. The total dry and wet cycle shall not be less than 35 seconds for base and binder mixtures and not less than 40 seconds for the wearing course. In no case shall the total mixing period exceed 75 seconds.

Add to Section 3.6:

3.6.3 Warm Mix Asphalt (WMA).

3.6.3.1 Material may be discharged at a temperature below the lower temperature limit of 260° F (125° C) when a qualified WMA technology is in use. Qualified technologies are identified on the Qualified Warm Mix Asphalt Technologies list. The lower limit shall consider the specific WMA technology recommendations and existing conditions.

Amend Section 3.10.7.2 to read:

3.10.7.2 Any material delivered to the spreader having a temperature lower than **260º F** (**125º C**) shall not be used **unless modified by a qualified warm mix technology capable of being compacted to project requirements at the recommended delivery temperature.**