SECTION 420 - PRIMER FOR UNTREATED PERMEABLE BASE COURSE

420.01 Description. This section describes furnishing and applying primer for untreated permeable base course.

420.02 Materials.

- Emulsified Asphalt (Type CSS-1h or SS-1h) 702.04
- Water 712.01

Dilute emulsified asphalt with water at rate of one part emulsified asphalt to one part water by volume.

Submit certificate of compliance for emulsified asphalt, accompanied by certified test data in accordance with AASHTO M 208 (Type CSS-1h) or AASHTO M 140 (Type SS-1h), as modified by Subsection 702.04 - Emulsified Asphalt.

420.03 Construction.

(A) Weather Limitations. Application of primer will not be allowed under the following conditions:

1. On wet surfaces as determined by the Engineer.

2. When air temperature is below 60 degrees F and falling. Primer may be applied when air temperature is above 50 degrees F and rising. Air temperature will be measured in shade and away from artificial heat.

3. When weather conditions prevent proper method of construction.

(B) Equipment. Provide equipment for heating and applying primer that conforms to Subsection 407.03(B) - Equipment.

(C) Application of Primer. Protect structures including guardrails, guardrail posts, and other appurtenances from primer splatter.

Apply primer on filler surface within four hours of roller compaction. If primer is not applied within four hours of compaction, moisten filler surface with water and reroll. Apply primer at spraying temperatures between 75 degrees F and 130 degrees F. Apply primer with pressure distributor in uniform, continuous spread rate of 0.3 to 0.4 gallon per square yard.
420.03

(D) Protection of Primer. Except for construction equipment directly connected with paving operations, keep traffic off primed surface.

Protect primer from damage until HMA or concrete layer is placed.
Repair primer damage at no increase in contract price or contract time.

420.04 Measurement. The Engineer will not measure primer for untreated permeable base course for payment.

420.05 Payment. The Engineer will not pay for primer for untreated permeable base course separately and will consider the cost for primer for untreated permeable base course as included in the contract price for the untreated permeable base course pay item. The cost is for the work prescribed in this section and the contract documents.

END OF SECTION 420