

## 410-R-677 QC/QA HMA - SMA MIXTURE

*(Adopted 04-19-18)*

The Standard Specifications are revised as follows:

SECTION 410, BEGIN LINE 94, DELETE AS FOLLOWS:

A change in the source or types of aggregates, change in source or type of stabilizing additives, or a change in the source of the specified binder shall require a new DMF. ~~A new DMF shall be submitted to the District Testing Engineer for approval one week prior to use.~~

SECTION 410, BEGIN LINE 346, INSERT AS FOLLOWS:

The Contractor shall obtain cores in the presence of the Engineer with a device that shall produce a uniform  $6.00 \pm 0.25$  in. diameter pavement sample. Surface courses shall be cored within one work day of placement. Damaged core shall be discarded and replaced with a core from a location selected by adding 1 ft to the longitudinal location of the damaged core using the same transverse offset.

SECTION 410, BEGIN LINE 370, DELETE AND INSERT AS FOLLOWS:

The density of the mixture will be expressed as the percentage of maximum specific gravity, %MSG, obtained by dividing the average bulk specific gravity by the maximum specific gravity for the subplot, times 100. Samples for the bulk specific gravity and maximum specific gravity will be dried in accordance with ITM 572. The Engineer will determine the bulk specific gravity of the cores in accordance with AASHTO T 166, Method A or AASHTO T ~~275331~~, if required. The maximum specific gravity will be mass determined in water in accordance with AASHTO T 209. The target value for density of SMA mixtures of each subplot shall be 93.0%.

SECTION 410, BEGIN LINE 489, DELETE AND INSERT AS FOLLOWS:

**(c) BSG of the Density Core**

Cores shall be taken within seven calendar days unless otherwise directed. Additional core locations will be determined by adding 1 ft longitudinally of the cores tested using the same transverse offset. The cores will be dried in accordance with ITM 572 and tested in accordance with AASHTO T 166, Method A or AASHTO T ~~275331~~, if required. The Contractor shall clean, dry, and refill the core holes with SMA or HMA surface materials within one work day of the coring operations.

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