410-R-703 QC/QA HMA - SMA PAVEMENT

(Revised 09-17-20)

The Standard Specifications are revised as follows:

SECTION 410, AFTER LINE 65, DELETE AND INSERT AS FOLLOWS:

SMA Gradation Control Limits						
	Mixture Designation					
	9.5 mm		12.5 mm		19.0 mm	
Sieve Size	Lower	Upper	Lower	Upper	Lower	Upper
1 1/2 in. (37.5 mm)					100.0	100.0
1 in. (25.0 mm)			100.0	100.0	~~100.0~~*99.0**	100.0
3/4 in. (19.0 mm)	100.0	100.0	~~100.0~~*99.0**	100.0	90.0	99.0
1/2 in. (12.5 mm)	~~100.0~~*99.0**	100.0	90.0	99.0	50.0	88.0
3/8 in. (9.5 mm)	70.0	95.0	50.0	80.0	25.0	60.0
No. 4 (4.75 mm)	30.0	50.0	20.0	35.0	20.0	28.0
No. 8 (2.36 mm)	20.0	30.0	16.0	24.0	16.0	24.0
No. 16 (1.18 mm)	---	21.0	---	---	---	---
No. 30 (600 µm)	---	18.0	---	---	---	---
No. 50 (300 µm)	---	15.0	---	---	---	---
No. 200 (75 µm)	8.0	12.0	8.0	11.0	8.0	11.0
* The lower % passing gradation may be 98.0% when SMA RAP material in accordance with 410.06 is used in the SMA mixture.						

SECTION 410, BEGIN LINE 251, INSERT AS FOLLOWS:

410.14 Spreading and Finishing

The mixture shall be placed upon an approved surface by means of a paver or other mechanical devices in accordance with 409.03. Mixtures in areas inaccessible to mechanical devices may be placed by other methods. The temperature of mixture at the time of spreading shall be no more than 315°F whenever PG 70-22 binder is used or no more than 325°F whenever PG 76-22 binder is used. *The temperature of each mixture shall not be less than 245°F at the time of spreading when placed with paving equipment in accordance with 409.03(c)2 or 409.03(c)3. No mixture shall be placed on a previously paved course that has not cooled to less than 175°F.*

SECTION 410, BEGIN LINE 286, DELETE AND INSERT AS FOLLOWS:

The finished thickness of any course shall be at least two times but not more than ~~four~~*five* times the maximum particle size as shown on the DMF.