

2019 ANNUAL PAVING CONTRACT SPECIFICATION CHANGES

2019 Asphalt Regional Seminars

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MATERIALS

SPECIFICATION CHANGES



2019 Specification Changes

- **SS 210: Binder Spec and MOI Chapter II**
- **SS 211: All Superpave mixes at 50 gyrations**
- **SP 211: AC Bonus**
- **SS 248: SMA Permeability**
- **SS 310: Referee System for Tack**
- **SP 315: Method A Density Bonus**
- **SS 315: WMA on Ticket & Limited Quantity**

SS210: Binder Spec Reorganization

- **Revising Spec 210 to move VAAP related items to MOI**
- **Discussed in VAAP meeting with binder suppliers**
- **Clarify PG64S & PG 64H don't require elastic recovery.**

SS211: 50 Gyration MD for IM & BM

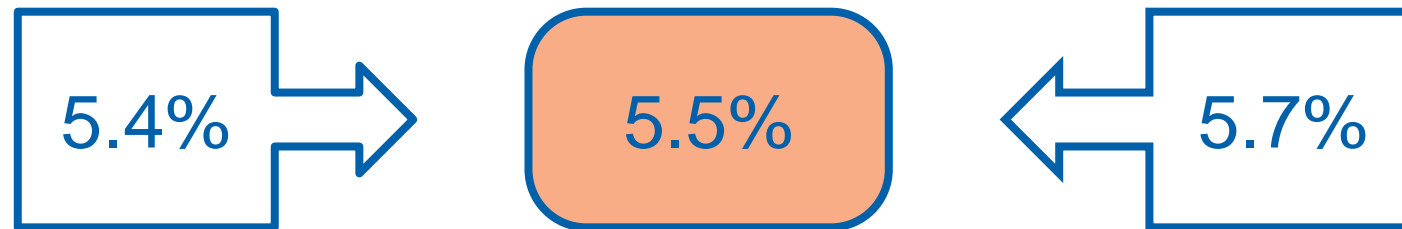
- Now, All Superpave Mixes Designed by 50 gyrations.
 - With volumetric changes

	Design Air Voids	VFA (%) Min.	VMA (%) Min.	FA Ratio
IM-19.0A/D	4.0%	64 - 83	14.0	0.6-1.3
IM-19.0E	3.5%	64 - 83	14.0	0.6-1.3
BM-25.0	2.5%	67 - 92	13.0	0.6-1.3

- Contractors submit the copy of burn tickets (retain 5 years).

SP211: AC Variability Bonus

- AC Standard Deviation 0.0 – 0.15
- No Adjustments on Gradation (Table II-16)
- **Average Production AC** (additional requirement) should be,
 - No less than 0.1% below MD AC%
 - No more than 0.2% above MD AC%



SS248: SMA Permeability

- **Production permeability test eliminated for SMA**
 - Eliminated from 211 and SP315 (4.75 mix) last year
- ✓ **Minor Change: 76-22 to 64E-22 at Note under Table II-24**

SS310: Referee System for Tack

- **10% Penalty on Bond St. Failure -> Remove & Replace**
 - Cores: 5 for Shear Strength / ~~5 for Tensile Strength~~ (VTM-128)

SP315: Method A Density Bonus

- Primary and Secondary over 2,000 ADT with 20+ ft width
- Pay adjustment Table III-4A for Core (III-4B for Nuclear Gauge)

% TMD	% of Payment
Greater than 96.5	95
92.2 ¹ /92.5 ² – 96.5	100
90.0 – 92.1 ¹ /92.4 ²	95 90
88.0 – 89.9	90 80
Less than 88.0	75

- Match Table III-4 (Failed CS) to III-4A
 - 80% cores need to pass.
 - No bonus for HMHB mixes.

SS315: Density for Small Quantity

- **Strengthen the Requirements**
 - Not enough to run roller pattern & control strip with less than 3,500 ft
 - Core/Plug for first 500 ft, then every 1,000 ft (instead of tonnage based)
 - Min. Density: 92.5% (92.2% for IM, BM) for 100% pay
 - Pay Adjustment: Table III-5

% TMD	% of Payment
Greater than equal to 92.2 / 92.5	100
90.2 90.0 – 92.1 / 92.4	95 90
88.3 88.0 - 90.1 89.9	90 80
Less than 88.2 88.0	75

SS315: WMA on Ticket

- **Identification of WMA on Delivery Ticket**

- Many Contractors are already Implementing

- **Under 315.04(a) AC Produced with WMA**

- “3. The Contractor shall specify Warm Mix Asphalt on the delivery ticket”*

OTHER SPECIFICATION CHANGES



Other Specification Changes

- **SPCN Section 108.02(d) Railway Right-of-Way:**

- Last year's spec. will be replaced by the SPCN used on 2016 and 2017 Schedules

“The Contractor shall not perform work within 10 feet of Railway right-of-way until the Engineer notifies the Contractor in writing that a Right of Entry or Railroad Agreement between the Department and the CSXT, Buckingham Branch or Norfolk Southern for work within the temporary and permanent easements is executed. “

Other Specification Changes

- **Sp704-000100-03: Pavement Markings and Markers**
 - Reference to pavement Marking “Bonus” removed
 - **Section 317.08: Vibratory rollers passes**
 - The language pertaining to the number of vibratory passes changed from “Shall” to “Should”
- “...If the contractor elects to use a vibratory roller, the mat should receive not more than three vibratory passes...”**

Specification Changes in Development

- **Portable Temporary Rumble Strips**

- Will establish requirements as per IIM-TE-386.1
- Will be required for flagging operations on two lane roadways that exceed three hours.
- The specification is still in development, details such as method of payment are still being finalized.
- The specification will be included in all advertised projects effective July 2019.