



MSCR
 Review from the Bob and Lyndi show

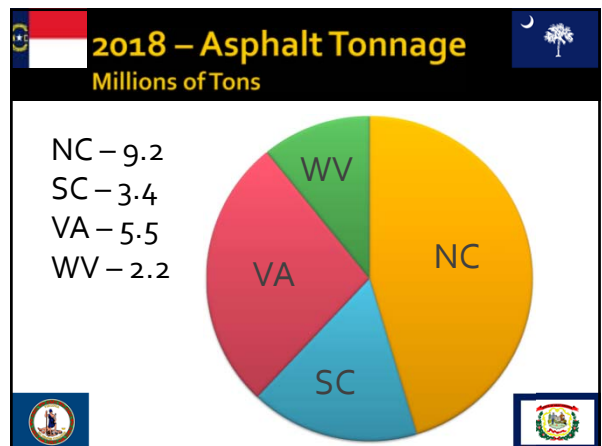
- Full Implementation including Nomenclature
 - VA
 - WV
- Partial
 - SC – Only for PMA Grades
 - PG 76-22 tested as 64V
- Investigating/Considering
 - NC - Jnr will be added at some point

Balanced Mix Design

- NC
 - Interested in the Cracking tests being vetted at NCAT
- SC
 - Awaiting equipment procurement to validate mix design changes
 - SCB and IDEAL-CT

Balanced Mix Design

- VA
 - Pilot projects for the 2019 and 2020 seasons
 - IDEAL-CT(or ?), APA, Cantabro
- WV
 - Awaiting equipment procurement
 - Would like to start evaluating mixtures this winter
 - I-Fit and Hamburg



2019 Forecast – Comments

- NC – Established a new bond program “Build NC”
 - Increases funding per year from \$1.7 to \$2.6 billion
- SC – Passing gas tax increase in 2017
 - Additional \$0.02 / year for 6 years
- VA – No new plans for increased funding
- WV – Garvee Bonding – “Drive Forward WV”
 - Increased our Garvee from \$250 M to \$500 M

2019 Forecast

What is the state of the DOT Funding for 2019?

Good Prospects – NC, SC, WV
Okay – VA

Projected Work for 2019?

Increase – NC, SC, WV
Stay Consistent – VA

Specifications Update-NC

- (2018)
 - Recycled content limits are now defined based on Recycled Binder Ratio (%RBR).
 - RBRs limits are tiered based on %RBR from Singles and then Total %RBR for RAS and/or RAP

Specifications Update-SC

- (2018)
 - Revised our Quality Assurance Specification
 - Removed PWL and Volumetric Testing
 - Average Absolute Deviation (AAD)
 - Binder content, Gradation, and In Place Density.
- (2019)
 - OGFC - Adding 9.5mm mix
 - OGFC - Requiring hot applied less tracking tack or PG binder
 - Updates to Micro Surfacing
 - PG Binder - updated due to changes to AASHTO R92

Specifications Update -VA

- (2018)
 - HP binder into the regular spec.
 - All surface mixes are designed at 50 gyrations.
- (2019)
 - Stronger penalty on density requirements (for core density bonus projects)
 - Expand routes eligible for density bonus (5%)
 - Additional requirement for the asphalt mix bonus (5%)
 - Tack: Remove and replace for failed section in referee system by shear bond testing

Specifications Update-WV

- (2018)
 - Major Rewrite to Chip seal
 - Full Adoption of MSCR
 - IRI Smoothness testing (adjusted for 2019)
 - Scrub Seal
- (2019)
 - Enforcement of Bond Strength Testing on all PWL
 - Micro Surfacing
 - Fog Seal
 - Stricker evaluation of Density on non PWL jobs

2018 Initiatives – NC

- Continues to expand usage of pavement preservation — annual \$100 million.
 - The legislation directs use of specifically-identified preservation methods.
- NC continues to use High-Friction Surface Treatments (HFST) in small areas with safety issues.

2018 Initiatives – SC

- Speed up reconstruction - using thicker lifts of 12.5mm
 - Placed 4-7" lifts to rehab 8"-15" deep sections and open to traffic the next morning.
 - Placed similar section on NCAT test track this Fall.
 - Intermediate B Special Mix - I-85 presentation will covered on Thursday's morning session.

2018 Initiatives – VA

- Paving interlayer research projects
- FHWA In-Place density demo project for Joint density by different methods
- Pilot projects in 2019
 - High RAP, BMD, Soft Binder for RAP, and asphalt rubber binder

2018 Initiatives – WV

- FHWA – Achieving Higher In-Density Project
- ADAB with updated LCCA
- Bid rubbilization jobs
 - (6) Statewide
- 3' Micro surfacing over Longitudinal joints
- NCAT Test track first timer
 - 2 Sections testing our skid resistant agg

Additional topics

- Did your contractors need more storage tanks in their plants when you introduced a softer binder (i.e., PG 58-22 or PG 58-28) for high RAP mixes?

Special Thanks

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