

**SEAUPG Central Region Update**

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ALDOT

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### OUTLOOK – Materials Supply

- Asphalt Binder/Lime/Polymers/Liquid Antistrip
  - None
- Aggregate
  - GA/FL-localized issues, but not systematic
- Mineral Filler for SMA
  - TN/FL-no SMA
  - GA-minimize SMA usage
  - AL-seasonal

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### Asphalt Tonnage – 2023/2024

Tons HMA/WMA placed by DOT: (last 12 months)

KY	3.4
TN	2.18
AL	2.1
GA	4.7
FL	6.5

\*Million tons

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### OUTLOOK - Asphalt Program Updates

- Do you have any upcoming major specification changes?
  - GA-Sections 400 & 828 for allowance of liquid anti-strip additives
  - TN-new mix for use as dense grade interlayer below OGFC
  - FL-Visual acceptance of projects <4000 tons, no OGFC on arterials
  - AL-new OGFC mix design procedure
  - KY- "yes"

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### Funding

What is the state of the DOT Funding for 2024/2025?

- KY/AL/GA/FL-Remain steady
- TN-Slight Increase in resurfacing funds
- Is the level of asphalt work set to increase / decrease / hold steady in 2024/2025?
  - FL will remain at 6.5M tons
  - KY/TN/AL/GA-slight decrease due to inflation
- Budgetary issues?
  - No issues other than inflation

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### OUTLOOK - Asphalt Program Updates

- Are you considering alternate materials for SMA mineral filler?
  - TN/FL-do not use SMA
  - GA-approved ground limestone facilities
  - AL/KY- No

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### OUTLOOK - Asphalt Program Updates

- What is the outlook for implementation of Low Carbon materials?
  - FL-not in consideration
  - GA/KY-more RAP in HMA
  - TN-applied for LCTM grant. Develop benchmark for EPDs/GWP
  - AL-2 climate challenge projects



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### OUTLOOK – Pavement Preservation

- What Pavement Preservation techniques do you utilize?
  - Microsurfacing
  - HMA thin overlays
  - Seals-fog, slurry, scrub, chip
  - GA-CIR, CCPR, Hot-in Place Recycling, white topping, FDR
  - FL-FDR
  - AL-CCPR



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### OUTLOOK – Pavement Preservation

- What is considered as Pavement Preservation (slurry/micro, thin lays, seals, etc.)?
  - Microsurfacing
  - HMA thin overlays
  - Seals-fog, slurry, scrub, chip



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### OUTLOOK – Pavement Preservation

- How much FDR, CCPR, or CIR are you doing?
  - KY-none
  - TN-FDR-10 projects since 2018, CIR-8 projects since 2021, CCPR-1 attempted, no bids
  - GA-FDR-1 project Let, construction not started, CCPR-0, CIR-developed Special Provision
  - FL-1 project every 2 years (total of 3)
  - AL-FDR-counties, CIR-0, CCPR-trial job (2500') completed in Fall of 2024



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### OUTLOOK – Pavement Preservation

- What is considered as Pavement Preservation (slurry/micro, thin lays, seals, etc.)?
  - GA-CIR, CCPR, Hot-in Place Recycling, white topping, FDR
  - FL-FDR
  - AL-CCPR



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### Balanced Mix Design

- Have you or do you plan to implement BMD in your state (Issues addressed)?
  - FL-researching
  - AL/GA- "eventually"
  - KY/TN- "yes"



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## Balanced Mix Design

- What approach has been chosen for your state, and what tests have you adopted for BMD?
  - KY-implemented spec for rutting (Hamburg Jr) and cracking (Ideal CT)
  - TN-likely Approach C; IDEAL-CT & HWTT in design, evaluating IDEAL-RT and HT-IDT as well as IDEAL-CT with 4" Marshall specimens
  - GA-Approach C; Hamburg, Abrasion Loss and IDEAL-CT
  - FL-undecided; Researching IDEAL-CT, HT-IDT, APA, and IDEAL-RT
  - AL-currently Approach C; HWTT & IDEAL-CT in design and IDEAL-CT & HT-IDT in production



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## Smoothness

- Has your state had issues with smoothness specifications?
  - KY/TN/GA/AL-No
  - FL-some with transition from Ride Number to IRI, but resolved
- Any issues with reliability of testing equipment?
  - None



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## Balanced Mix Design

- Any pilot projects underway or planned? If so, has there been any real-world validation of BMD criteria?
  - KY-Yes, not enough time on real world validation
  - TN-Voluntary shadow projects, field validation test section in 2025
  - GA-Not currently
  - FL-only benchmarked designs
  - AL-field validation sections placed Spring 2024



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## Smoothness

- Does your state have a time limit to test final smoothness once job has been completed?
  - KY-after all mainline paving is complete
  - TN-no specified time limit
  - GA-minimum of 5 days and max of 15 days for open-graded mixes
  - FL-14 days to test, 7 days to report
  - AL-5 days after placement



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## Balanced Mix Design

- Is your state contractor's association on board with BMD?
  - KY-Yes
  - TN-overall neutral, developed Agency-Industry BMD liaison group in 2024
  - GA-Contractors participated in NCAT study as partners
  - FL-wait and see approach
  - AL-Neutral



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## Environmental Product Declarations (EPDs)

- Has there been any recent buzz around EPDs in your state?
  - KY - Yes
  - TN – few contractors have published EPDs, more "buzz" with LCTM grant
  - GA – No
  - FL - few contractors have published EPDs, not required by FDOT
  - AL - few contractors have published EPDs, climate challenge



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### Environmental Product Declarations (EPDs)

- What about Life Cycle Assessment (LCA)?
- KY – No
- TN – Some with LCTM grant
- GA – a lot on the concrete side
- FL – No
- AL – Some



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### Additional Info

- Is there anything else that you would like to share?  
Personnel Changes, etc.
- GA:  
Ian Rish – *State Materials Engineer*  
Jacob Walker – *Testing Management Bureau Chief*  
Jewell Stone – *State Pavement Design Engineer*



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### 2024/2025 Initiatives

- Do you have any new initiatives or specifications coming out in 2024/2025?
- KY – updating specifications for 2025
- TN – in-house research with dielectric profiling system on-going
- GA – Section 820 has been updated, updating Sections 400 & 828
- FL – visual acceptance of projects < 4000 tons, no OGFC on arterials
- AL – minor specification changes



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### Additional Info

- Is there anything else that you would like to share?  
Personnel Changes, etc.
- AL – Zane Hartzog is now with NCAT
- KY – equipment purchased to compare friction characteristics between field and lab HMA



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### Additional Info

- Is there anything else that you would like to share?  
Personnel Changes, etc.
- TN:  
Richard Weber - *Materials Control Team Led*  
Ulises Martinez - *Pavements Team Lead*



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### Additional Info

- Is there anything else that you would like to share?  
Personnel Changes, etc.
- FL:  
Jim Musselman-new (old) head of asphalt materials section  
Howie Moseley – *State Materials Engineer*  
Sue Zheng – *Director of Materials*



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