

INFORMATION ONLY

- Space is allowed for your State logo on the TITLE SLIDE.
- A State DOT logo may be placed in the banner area of subsequent slides.
- The information will be gathered by the person listed to do the regional update and presented at the meeting.
- It is preferable to combine the information for the region and go over the state responses together and not by each state individually.



2022 Annual Meeting – Raleigh, NC

1

SEAUPG State Update



Alabama
Florida
Georgia
Kentucky
Tennessee



2022 Annual Meeting – Raleigh, NC

Asphalt Tonnage - 2022

Tons HMA placed by DOT: (last 12 months)

DoT	Tonnage
Alabama	~3-3.5 million
Florida	4 million
Georgia	3.2 million
Kentucky	~4.5 million (900,000 warm mix additive)
Tennessee	3.342 million (Sept 2021-Aug 2022)



2022 Annual Meeting – Raleigh, NC

Funding

What is the state of the DOT Funding for 2022?

- Non-Interstate Resurfacing was funded at \$280 million & Interstate Pavement Management was approx. \$142 million (Alabama)
- Kentucky lettings are typically around \$1 billion
- Is the level of asphalt work set to increase / decrease / hold steady in 2023?
 - Slight Increase (Alabama, Florida, Tennessee)
 - Hold Steady (Georgia, Kentucky)



2022 Annual Meeting – Raleigh, NC

2022 Initiatives - Alabama

- Did you have any new initiative in 2022, if so, what was learned?
 - We delayed our BMD Validation trail until 2023, much was learned about the complexity of such a project
 - A study was completed on cracking susceptibility of our HMA mixes, more research is needed to improve cracking resistance.
 - Thin lift paving is working well on projects where it is indicated
 - The research phase of your new OGFC design procedure is mostly complete. We are currently investigating feasibility with the help of industry.



2022 Annual Meeting – Raleigh, NC

2022 Initiatives - Florida

- Higher RAP usage due to aggregate supply chain issues.
- Materials Bulletin:
Increased allowable RAP in mixtures below the surface which contain PG 76-22 binder.



2022 Annual Meeting – Raleigh, NC

2022 Initiatives - Georgia

- Allowance of contractors to use LASA in lieu of hydrated lime on non-interstate projects less than 25,000 VPDs in mixes with 20% RAP and greater
 - No LASA mixes placed at this time



2022 Annual Meeting – Raleigh, NC



2022 Initiatives - Kentucky

- Did you have any new initiative in 2022, if so, what was learned?
 - Performance requirement for mix design approval of PG 64-22 surface mixtures
 - Minimum CTIndex & Hamburg
 - PG 76-22 mixtures behave differently → developing separate requirement
 - Sustainable Friction for Kentucky mixes
 - Field & Laboratory correlation study
 - Sponsored NCAT section looking at friction



2022 Annual Meeting – Raleigh, NC



2022 Initiatives - Tennessee

- Did you have any new initiative in 2022, if so, what was learned?
 - Crack Attenuating Mixture
 - 3 projects were awarded that included a crack attenuating mixture as an interlayer. These projects were the first in Tennessee to include performance tests in the design approval process.
 - Cold In-Place Recycling
 - We had 1 project awarded with cold in-place recycling this year (4 total to date).
 - BMD Benchmarking
 - Efforts continue to benchmark surface mixtures for the different BMD tests being evaluated and comparing PMLC and LMLC specimens.



2022 Annual Meeting – Raleigh, NC



Asphalt Program Updates

- Do you have any upcoming major specification changes?
 - A new spec book was released in January 2022 with various minor changes and additional changes on the way (Alabama)
 - Florida
 - SP-9.5 mm mixtures allowed on roadways with greater than 10 million ESALS
 - Increased minimum asphalt contents for OGFC mixtures
 - Performance Requirement for Mix Design Approval for all surface mixtures & QC/QA Performance Specification Development (Kentucky)
 - Tennessee - OGFC Changes (Specified through Plans Notes for 2023)
 - Air Voids between 15 to 20%
 - Age Cantabro specimens for 4 hours at lab compaction temperature
 - Freeze-Thaw TSR testing – 70% TSR with a minimum of 50 psi
 - Higher tack rate (0.13 – 0.18 gal/SY) with hot applied tack
 - Extra quantities accounted for in the plans for 15 tons of mix to be used for heating the MTD each day.



2022 Annual Meeting – Raleigh, NC



Asphalt Program Updates

- Do you have any upcoming major specification changes?
 - A new spec book was released in January 2022 with various minor changes and additional changes on the way (Alabama)
 - Florida
 - SP-9.5 mm mixtures allowed on roadways with greater than 10 million ESALS
 - Increased minimum asphalt contents for OGFC mixtures
 - Georgia
 - Revising specifications to allow Liquid Anti-Stripping additives on non-interstate roadways with ADTs < 25,000 vpd
 - Also, to allow the use of local sand in 25 mm, 19 mm, 12.5 mm, and 9.5 mm with ADT ≤ 10,000 vpd provided all performance is met



2022 Annual Meeting – Raleigh, NC



Balanced Mix Design

- Have you or do you plan to implement BMD in your state?
 - Plan to Implement BMD with enough supportive information (Alabama, Georgia)
 - Currently in Research Phase (Florida)
 - Partially Implemented, Plan to transition to Performance Specification (Kentucky)
- What approach has been chosen for your state, and what tests have you adopted for BMD?

DoT	Approach	Tests
Alabama	Undecided	Hamburg, IDEAL-CT, HT-IDT, Cantabro
Florida	---	---
Georgia	Undecided	Hamburg, IDEAL-CT
Kentucky	Undecided	Hamburg, IDEAL-CT, Field Rut Test
Tennessee	D	Hamburg, IDEAL-CT, HT-IDT for OCQA



Balanced Mix Design-cont.

- Any pilot projects underway or planned? If so, has there been any real world validation of this BMD criteria?
 - Alabama has a validation study underway, and plan to build a validation project with multiple test section in 2023.
 - No pilot projects in Florida, Georgia
 - Kentucky has been "benchmarking" mixtures with CT & Hamburg tests on lab & plant mix since July 2019
 - Two correlation studies between lab performance tests & PMS data
 - Real World validation is ongoing as July 2019 contracts age
 - Tennessee has no current pilot projects and no field validation
- Does your state's contractors association been on board with BMD?
 - Alabama, Georgia, Kentucky are on board and collaborate with BMD specification decisions
 - Tennessee association are informed but neutral to date
 - Florida is cautious with change due to successful volumetrics



2022 Annual Meeting – Raleigh, NC

Smoothness

- Has your state had issues with smoothness specifications?
 - No (AL, FL, GA, TN)
- Any issues with reliability of testing equipment?
 - No (AL, FL, GA, TN)
- Does your state have a time limit to test final smoothness once job has been completed?
 - 5 working days from placement (AL)
 - 14 days before estimated completion date & 7 days to furnish copy of results (FL)
 - Only for Open-Graded Mixes. Evaluation between 5 and 15 days after traffic is opened (GA)
 - No specified time limit (TN)



2022 Annual Meeting – Raleigh, NC

EPD's

- Has there been any recent buzz around EPD's in your state?
 - Some (Alabama)
 - No (Florida, Georgia, Kentucky, Tennessee)
- What about LCA?
 - We are partnering with other state DOT's, NCAT, FHWA, and industry to collect data necessary for both of these through the FHWA Climate Challenge. Since LCA includes overall durability and serviceability it is of interest to ALDOT.
 - No (Florida, Georgia, Kentucky, Tennessee)



2022 Annual Meeting – Raleigh, NC

(STIP)

- Since IJIA was passed and signed into law, a significant increase in federal funding for highway construction is anticipated.
- Does your state anticipate stepping up and matching federal funds with the increase?
 - Yes (Alabama, Florida, Georgia, Tennessee)
 - Florida uses toll development credits to soft-match federal funds
- Please indicate the anticipated construction funding reported in your current STIP for the years below:

State Fiscal Year	\$ Millions - AL	\$ Millions - FL	\$ Millions - GA	\$ Millions - KY	\$ Millions - TN
2022	945			734	1,544
2023	963	15,998		677	1,621
2024	983	12,546		811	1,702
2025	1,002	11,298		855	1,787

2022 Annual Meeting – Raleigh, NC

E- Ticketing

- Does your state have an E-Ticketing specification?
 - No current specification but working toward specification (Alabama, Kentucky)
 - Yes, Section 110 of Georgia Specifications
 - Yes, it is dictated through a special provision for all interstates and state routes with a 25,000+ ADT (Tennessee)
 - Hope to transition to e-ticketing requirement in 2023
- What type of issues have been identified since using E Ticketing?
 - Cell coverage on rural projects (Alabama)
 - Tonnage discrepancies & overnight work where the date changes (Georgia)
 - Discovered necessity for one common e-ticketing portal to eliminate confusion (Kentucky)
 - Ticket confusion (milling with HMA) & Independent Trucking difficulties (Tennessee)
- What benefits have the state DOTs seen with using this software?
 - Safety, keeping people away from moving trucks (Alabama, Georgia)
 - Another means towards moving projects paperless. Frees up roadway inspector to focus on other inspection responsibilities. Safety benefits as well. (Tennessee)
- Producers- Suppliers?
 - Efficiency, Traceability (Alabama)
 - Able to better monitor haul trucks to ensure a more efficient and balanced production. (Tennessee)



2022 Annual Meeting – Raleigh, NC

2023 Initiatives

- Do you have any new initiatives or specifications coming out in 2023?
 - Alabama
 - Thick Lift Paving
 - E-Ticketing
 - New OGFC design procedure similar to ASTM's
 - 2023 BMD validation project
 - BMD validation through data collection
 - CCPR
 - Kentucky - Carryover from 2022
 - Development of QC/QA Performance Based Specification
 - Sustainable Friction
 - Tennessee
 - BMD Benchmarking
 - DFT Friction Research
 - Rolling Density Meter Trial



2022 Annual Meeting – Raleigh, NC

2023 Initiatives - Florida

- New initiative. Testing requirement for tack emulsions, July 2023 Specification.
- New test method FM 5-624. Test for Re-emulsification of Asphalt Emulsions. Procedure for determining whether a broken asphalt emulsion (tack) will re-emulsify when exposed to water.



Falling

Passing



2022 Annual Meeting – Raleigh, NC

2023 Initiatives - Florida

- New test method FM 5-549
- Measuring Pavement Longitudinal Profiles Using a High-Speed Inertial Profiler



2022 Annual Meeting – Raleigh, NC

Additional Info

Personnel Change

Wayne Rilko, last day with the FDOT, December 31, 2022.

I really enjoyed working with you and being a part of SEAUPG. What a pleasant surprise to be here in person!

Wayne.Rilko@dot.state.fl.us

Personal: customimperial@cox.net

Cell: (352) 745-2509



2022 Annual Meeting – Raleigh, NC

