


**REGIONAL SURVEY:  
WHAT'S HAPPENING IN  
THE CENTRAL (SEAUPG)  
STATES?**

SEAUPG 2015

**SEAUPG CENTRAL STATES**



**THE SURVEY**

**THE SURVEY**

- What notable asphalt related spec changes have been discussed or implemented within the past year?
- How many tons of HMA, Chip Seals, etc. of Asphalt Material Have you Placed within the last year?
- Any issues with funding this year?
- What new technologies have you been looking at or considering?
- Where is your state with WMA currently? Permissive or mandatory spec?
- What ~% of your annual tonnage was WMA this past year?

**THE SURVEY**

- What Methods has your State implemented to lower cost for maintenance, preservation or reducing pavement costs?
- Briefly describe your state's overall strategy for preservation, i.e. 10% preservation or per state guidelines using management data, etc.
- Any performance tests being used for acceptance?
- Interesting projects this year?
- What was the most talked-about topic for DOT employees in your state this year?

**ALABAMA**

**ALABAMA**

- Notable asphalt related spec changes / discussions?
  - Minimum AC content increased 0.2% for any mixtures containing RAS
  - Those mixtures are designed at 3.5%
- Issues with funding?
  - "Funding is needed. We take all donations."

**ALABAMA**

- New technologies?
  - A field study is underway evaluating rejuvenators
- WMA Use?
  - Permissive spec
  - 30-40% use

**ALABAMA**

- Methods implemented to lower maintenance cost or reduce pavement costs?
  - Promoting an increased use of preservation strategies
- Interesting/ Most talked-about Projects?
  - Have a high-polymer project on I-59 in Tuscaloosa
  - Planning reconstruction of the Central Business District (I20/59) through Birmingham. Don't recommend traveling through Birmingham in the next few years

**FLORIDA**

**FLORIDA**

- Notable asphalt related spec changes / discussions?
  - Exclusive use of Trackless Tack
  - Use of high polymer modified binders
  - Jnr Max 4.5 for neat binders tested at grade temperature.
- Tons of Asphalt Material Placed within the last year?
  - HMA: 4.5 million tons
  - Do not use Chip Seals, etc. unless for research purposes.

**FLORIDA**

- Issues with funding?
  - No Funding shortages
  - Funding diverted from resurfacing to capacity
- New technologies?
  - Overlay Testing using the AMPT
  - Binder Delta Tc
  - Tackiness Test for Tack Acceptance and Evaluation
  - Micromilling
  - Bonded Friction Course (alternate to Spray Paver)
  - Florida Texture Meter

**FLORIDA**

- WMA Use?
  - Permissive, but minimal usage.
  - <2%
  - Contractors mentioned that some local government resistance is holding them back.
- Methods implemented to lower maintenance cost or reduce pavement costs?
  - Highly modified binders and a performance graded asphalt rubber binder has been implemented.
  - Increasing allowable RAP content with modified binders

**FLORIDA**

- Strategy for preservation?
  - Research has been done on a preservation methods. Mostly focused on increasing the lifespan of our HMA pavements through our mill and resurface program.
- Performance Tests?
  - No

**FLORIDA**

- Interesting Projects?
  - Open-Graded Friction Course Optimum Binder Content Determination using Image Processing
  - Aging Characteristics of Rejuvenated Binders and Recycled Binders
  - Interface bonding / de-bonding effects on cracking
  - 100% RAP Pavements
  - Running F & t acceptance with moving PWL & CPF calculations
  - LTPP SPS 10 Warm Mix Project
  - I-4 Ultimate Project (\$22Billion- 27 miles)

**FLORIDA**

- Most talked-about topic for DOT employees in your state this year?
  - Asphalt Rubber Binder usage
  - Trackless Tack
  - Segregation
  - 1" Layers - minimum ambient temperature requirements - effects on density and paving season
- Other topics?
  - Still looking for an emerging technology for reflective cracking.

**GEORGIA**

**GEORGIA**

- Notable asphalt related spec changes / discussions?
  - 4.75 mm and 9.5 mm Type I added to mixes requiring COAC (Corrected Optimum AC Content) which increases neat AC required in RAP mixes.
  - Revision of Hot in Place recycling
  - Approval of Elastiko for as workability additive when using GTR
  - Projects let with alternate bids allowing use of
  - GTR modification, polymer modification or reinforcement fiber modification
- Tons of Asphalt Material Placed within the last year?
  - 2.752 million tons of HMA
  - 2.7 million square yards surface treatment

**GEORGIA**

- Issues with funding?
  - Current funding reduced lettings
  - No letting for December
  - With passage of the Transportation Funding Act of 2015 HB 170 in Georgia an additional 1 billion dollars will become available in the very near future.
- New technologies?
  - Research related to cracking prediction test
  - Ongoing Hamburg research

**GEORGIA**

- WMA Use?
  - Permissive
  - Less than 3%
- Methods implemented to lower maintenance cost or reduce pavement costs?
  - More surface treatment
  - Fog seal research project
  - Micro-milling open graded mixes on Interstate

**GEORGIA**

- Performance Tests?
  - No
- Interesting Projects?
  - Fog seal on open graded mix on interstate
  - Micromilling

**GEORGIA**

- Most talked-about topic for DOT employees in your state this year?
  - Large scale design build projects (P3 Projects)

**KENTUCKY**

**KENTUCKY**

- Notable asphalt related spec changes / discussions?
  - Planned increase in minimum % AC for surface mixtures
  - Expanding use of PG76-22
- Tons of Asphalt Material Placed within the last year?
  - ~5.5-million tons asphalt
  - ~\$1 billion program last 5 years

### KENTUCKY

- WMA Use?
  - Have had a permissive spec since 2010
  
- Methods implemented to lower maintenance cost or reduce pavement costs?
  - Implementing use of more chip seals and microsurfacing in recent years

### KENTUCKY

- Performance Tests?
  - Currently not using AMPT due to loss of personnel and expertise

## TENNESSEE

### TENNESSEE

- Notable asphalt related spec changes / discussions?
  - Replaced old PG+ binder specs with MSCR jnr, %Diff, and curve
  - Still working on binder QC
  - Modified spec on screed extensions
  - GTR special provision developed, but not yet placed on projects
  - Discussion regarding promptly covering milled surfaces
  - Industry Subcommittees helpful
  
- Tons of Asphalt Material Placed within the last year?
  - ~2.5 million tons HMA/WMA

### TENNESSEE

- Issues with funding?
  - Commissioner and Governor recently went on tour to discuss project needs and backlog.
  
- New technologies?
  - CMGC
  - Still looking at Intelligent Compaction, considering for thin-lifts and OGFCs

### TENNESSEE

- WMA Use?
  - Permissive, but minimal use in DOT work
  
- Methods implemented to lower maintenance cost or reduce pavement costs?
  - A significant portion of resurfacing funding used on preservation strategies
  - Always discussing ways to extend mix life

**TENNESSEE**

- Strategy for preservation?
  - A significant portion of resurfacing funding used on preservation strategies
- Performance Tests?
  - None yet.

**TENNESSEE**

- Interesting Projects?
  - Did design-build project to widen I-40 just East of Nashville.
  - Fast Fix 8 – Replacing 4 bridges on I40 in downtown Nashville, closed only on weekends, shutting down entire interstate for the whole weekend. Dramatically faster than staged construction.

**TENNESSEE – FAST FIX 8**

- <https://www.youtube.com/watch?v=AzHEMxcizcl&feature=youtu.be>

**TENNESSEE**

- Most talked-about topic for DOT employees in your state this year?
  - "Operations Merge" of Construction and Maintenance Field Offices Complete
  - Positions being filled to full staff for 1<sup>st</sup> time in many years

**THANKS!!!!!!!!!!!!**

- Alabama – Lyndi Blackburn
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