

## SEAUPG West Region Update

2009 SEAUPG Annual Meeting  
Crowne Plaza Hotel  
Hilton Head, SC

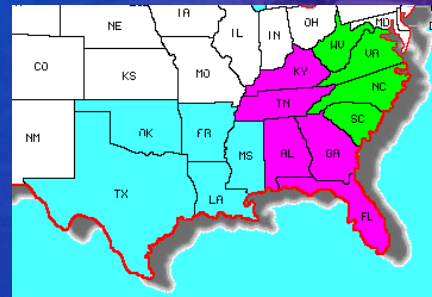
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## SEAUPG – West Region



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## Sent Out Six Questions

- Any Specification Changes/Updates
- Tons of Asphalt Materials Produced in the past Year
- How has/will Funding Shortages affected HMA tonnage
- States Involvement with WMA
- Any performance related specs (i.e. – LWT, etc.)
- Any other Topics



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## Oklahoma

- Warm Mix Permissive Spec.
- 2008 - 2.6 Million Tons HMA  
2009 – 3.6 Million Tons HMA
- Funding Shortages not affected,  
Due to ARRA Funds
- WMA Processes evaluated - Evotherm, Foaming  
Sample preparation is a concern.
- No Performance based specs



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## Oklahoma – Cont'd

- Will begin Testing Binders using MSCR this winter.
- Reduced the Flash Point from 550° F to 500° F
- WMA Technologies will be allowed on a Permissive Basis.
- Special Provision to require fine and coarse Fractionated RAP.
- Allow up to 35% RAP for Temporary Construction.



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## Texas

- Warm Mix Permissive Spec., RAP and RAS allowed in HMA mixtures. Incentives to Contractors Using the Pave-IR system (Thermal Segregation). Allow Substitutes for Binders, provided LWT test meet the Higher Graded spec.
- 2009 - 5 Million Tons HMA, 19,000 lane miles of Chip Seals.
- Steady Drop in Funding since 2007.  
2007 – 15 m tons, 2008 – 10 m tons, 2009 – 5 m
- Have placed over 1.2 m tons of WMA. No Significant Issues to report.



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### Texas – Cont'd

- Performance based Specs - Requires LWT test for all mixtures. Overlay Tester for some Mixtures
- Other Topics - Unable to track all WMA projects since the permissive spec.
- Use of Recycled Asphalt Shingles.
- Substitute Binders as Mentioned
- Allow up to 35% RAP for Temporary Construction.



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### Arkansas

- No Specification Changes Reported.
- Tons of material produce in 2009 not available – anticipates being higher than 2008.
- WMA – Two small projects with Foam and One with Evotherm
- No Performance related Spec – Do not use LWT device for Testing.



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### Arkansas – Cont'd

- Other Topics – Mix Design Acceptance and Field Acceptance of HMA with Superpave Gyrotory Compactors Calibrated to Internal Angle – Jan, 2010.



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### Mississippi

- New Specs – Thin Lifts for Low Volume Roads - Allowing 25% Rap & 30% Natural Sand for Economical Maintenance Mix.
- 4 m Tons of material produce in 2009
- Funding Shortages – Not affected (yet), anticipate future shortages to affect the amount of tons produced.



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### Mississippi – Cont'd

- No Performance Related Specs – Use the APA device to test Design Mixes for High Volume Roadways, as a tool to evaluate the mixtures only.



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### Louisiana

- New Specs – WMA Permissive Spec., PG82-22rm, Allowing In-line Latex Mod. Blending,
- Approx. 6 m Tons of HMA Produced in 2009
- Funding Shortages – Surplus \$\$ has helped keep Ave. Tons at 6 m.  
Expect Funding to Decline from \$1.2 b – \$1.3 b to < 600 m in next FY.
- WMA - Completed 5 projects with two more under Construction – 4 Foamed, 1 Evotherm; Rediset and Thiopave are planned for Const. & Eval.



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### Louisiana – Cont'd

- No Performance Related Specs – Use the LWT device to Evaluate Mixes for Research Projects – Working on incorporating into Specifications.
  - Other - QA/QC – Removing Plant Inspectors – Verification of Project or System by AMRL certification or Equal for Contractors.
- Use of Higher Rap Contents are Being Evaluated



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### RAP-UP !!

- Each State has Produced 3 – 6 m Tons HMA: Many of the States Anticipate a Reduction In These Values.
- Each State has had some Experience with WMA
- So Far - Only one state (Texas) has Performance Related Specs
- Most States are Evaluating the Use of Higher Rap contents in their Mixtures



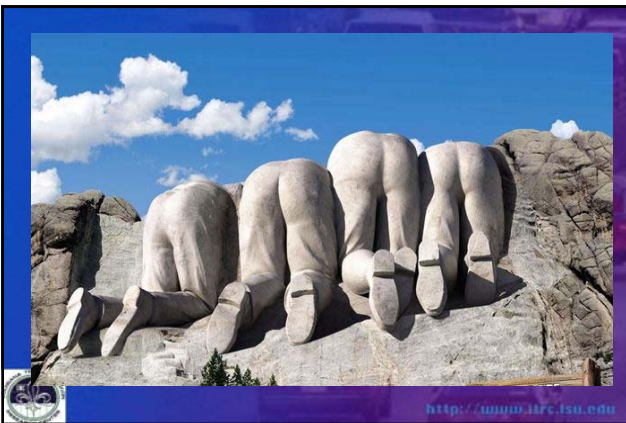
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SEAUPG 2009 CONFERENCE-HILTON HEAD ISLAND, SOUTH CAROLINA

