


TEXAS DEPARTMENT OF TRANSPORTATION



### WEST REGION UPDATE

Southeast Asphalt User-Producer Group

### West Region States Update

	Mix (Tons)	Seal Coat (SY)	
Arkansas	2.4 M		
Louisiana	4.6 M		
Mississippi	2.0 M	3.6 M	
Oklahoma	2.5 M		
Texas	8.6 M	150.6 M	

- ### Specification and Test Procedure Changes
- Arkansas
    - Incorporated PWL on some of their larger projects
  - Louisiana
    - Standard Specifications updated addressing limited personnel for testing and inspection and getting more asphalt into mixes (VMA and gyration levels)
  - Mississippi
    - Designation for HMA or WMA on design prior to start of project
  - Oklahoma
    - Added a guide for pavement forensic investigations.
  - Texas
    - Published new Specification Book
    - Added Thin Lift Spec (Item 347) and Bonded Overlay Spec (Item 348)

- ### Quality Initiatives and Improvements
- Arkansas
    - Incorporated PWL on some of their larger projects.
    - Updating tack coat specifications.
  - Louisiana
    - IA lab established to help ensure technician and laboratory quality.
  - Mississippi
    - None
  - Oklahoma
    - 3<sup>rd</sup> generation of PWL to start in 2016
    - MSCR (M332) to be fully implemented in 2016
  - Texas
    - Move towards Superpave mixes and away from conventional dense-graded mixes. Utilizing mixes with better materials and more asphalt.

### RAP, RAS & WMA

	RAS	RAP	WMA
Arkansas	0%	30%	
Louisiana	0%	+ 5% RAP when fractionating	Allowed
Mississippi	0%	15% - 30%	Allowed working well
Oklahoma	3%	12% - 30%	Allowed 30-45 PBR with PG58-28 designed as PG64-22 96% of all mix
Texas	5%	20%	Allowed Districts may disallow in surface mixes up to 40% in lower lifts issues with blending RAS

- ### Thin Lift Mixtures
- Arkansas
    - Ultra-Thin Bonded Overlay is the only thin mixture being used
  - Louisiana
    - 501 OGFC, Coarse and Dense; Spray Paver mandated on interstate only
  - Mississippi
    - Thin mixtures are used but not for roads that are in poor condition (rutted or severely cracked)
  - Oklahoma
    - Two 1.25" lifts of 3/8" NMS for maintenance. No density requirements  
No significant problems to date
  - Texas
    - Thin Overlay Mix (Item 347)
    - Thin Bonded Overlay (Item 348)
    - Guidance document developed

### MEPDG Update

Using M-E design software

Moving towards implementation

Moving towards implementation

Moving towards implementation

Moving towards TEX-ME

### Performance Testing

- Arkansas
  - APA for rutting (good success with using it)
  - None for cracking
- Louisiana
  - Hamburg for rutting (expanded from thin overlays to all mixes)
  - SCB for cracking
- Mississippi
  - APA for rutting (high traffic surface lifts)
  - None for cracking
- Oklahoma
  - Hamburg for rutting (12% field failure)
  - Tensile Strength Ratio for stripping (37% field failure)
- Texas
  - Hamburg for rutting
  - Overlay test for cracking for some mixes (SMA, TOM, CAM)
  - Looking at SCB test

### New Technologies Related To Thermal Segregation

Pave IR Bar used on a few demo projects

Not at this time

Not at this time

Thermal monitoring of the mat will be required when lightweight MTVs are used.

Pave IR Bar, Pave Scan or Thermal Camera required for every project. Temperature gun not allowed for thermal segregation.

### Additional Topics

- Arkansas
  - None
- Louisiana
  - None
- Mississippi
  - None
- Oklahoma
  - Expanding their common asphalt worksheet files
- Texas
  - Research to better understand asphalt performance

### US 69 in Oklahoma

2 year old, US-69 S. of McAlester, OK,  
(NB traffic to viewer, raveling, rutting, UTBWC/SMA)

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THANK YOU