Mobile, Alabama



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FHWA Work with Macrotexture & Friction in Association with Sustainability in SEAUPG **States**

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Why Do We Do What We Do?

- Implement new & under-utilized asphalt technologies Demonstrate benefits of performance specifications in both agency quality assurance (QA) programs & industry quality control (QC)
- applications Encourage advancements for highway agency asphalt programs
- Specification review
- Technical assistance
- Training - Troubleshooting





FHWA Asphalt Technology Deployment Project Site Visits: provide agencies and industry with first-hand exposure to new technologies (currently, 8 mixture tests, 4 materials tests, and 5 field tests) Customized Training Workshops: classroom and online INNOVATIO training based on field test results and observations CYCLE Equipment Loan Program: gain hands-on experience before making a resource commitment

Technical Documents: based on identified national trends to encourage agencies and industry to evaluate and improve their specifications and practices









Slide 8

- M(0 I changed "Guidance" to "Documents" bec we aren't allowed to say guidance Myers, Leslie (FHWA), 2024-03-15T16:47:19.755











Mixture Types Included in Laboratory and Field <u>Macrotexture</u> <u>Testing</u>								
State Agency Mix Design	NMAS (mm)	PCS Control Point (%)	%Passing PCS (%)	Design Gyrations (N _{des})	Asphalt Content (%)			
ND Superpave – PG64-28 Fine-Graded DGA	12.5	39	49	75	5.0			
FL Superpave – PG76-22 Fine-Graded DGA	12.5	39	**	75	5.1			
AZ Marshall – PG70-28 Fine-Graded DGA	19.0	47	57	75	5.1			
**Florida DOT specification requires this mix designed to be fine-graded MATC								

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Mixture Types Included in Laboratory and Field <u>Macrotexture</u> Testing							
State Agency Mix Design	NMAS (mm)	PCS Control Point (%)	%Passing PCS (%)	Design Gyrations (N _{des})	Asphalt Content (%)		
MS Superpave – PG67-22 Coarse-Graded DGA	9.5	47	41	65	5.8		
OH Marshall – PG70-22 Coarse-Graded DGA	9.5	47	36	75	6.3		
OH_HRAP Marshall – PG70-22 Coarse-Graded DGA	9.5	47	37	75	6.0		
VT Superpave – PG70-28 Gap-Graded SMA	12.5	39	17	65	6.1		
19							











