



2015 Track Research Focus

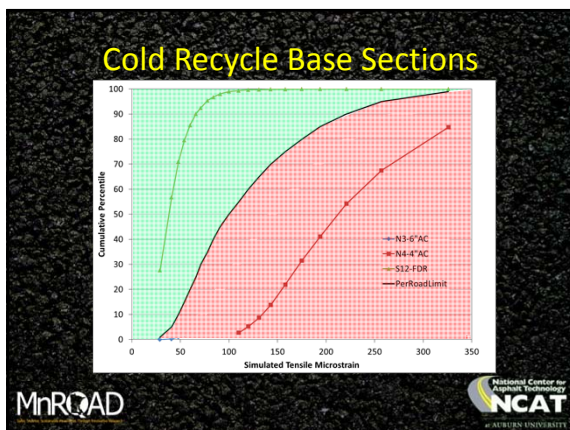
- Safe, sustainable, & cost effective pavements
- Optimizing the use of both RAP & RAS
- Cold recycle (CR) construction & performance
- Durability of surplus sand thinlays
- Improved longitudinal joint performance
- Asphalt mix cracking performance test (CG)
- Pavement preservation (PG)

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Cold Recycle Base Sections

S12	N4	N3
4-inch AC	4-inch AC	6-inch AC
5-inch CCPR	5-inch CCPR	5-inch CCPR
8-inch FDR	6-inch Agg	6-inch Agg
Subgrade	Subgrade	Subgrade

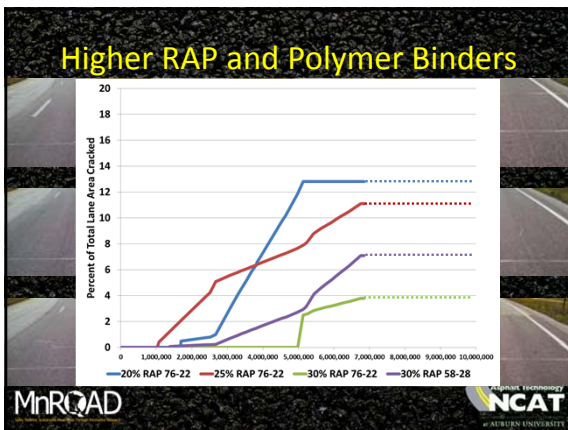
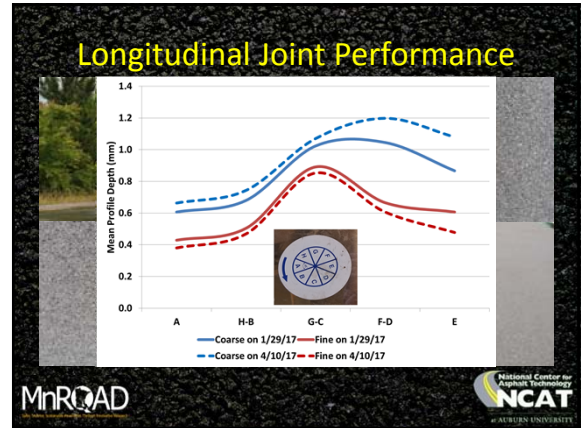
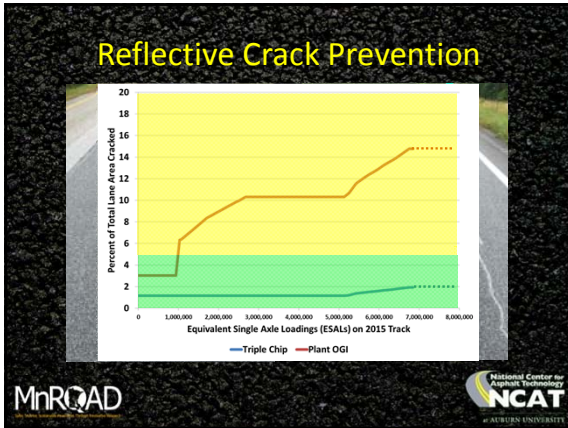
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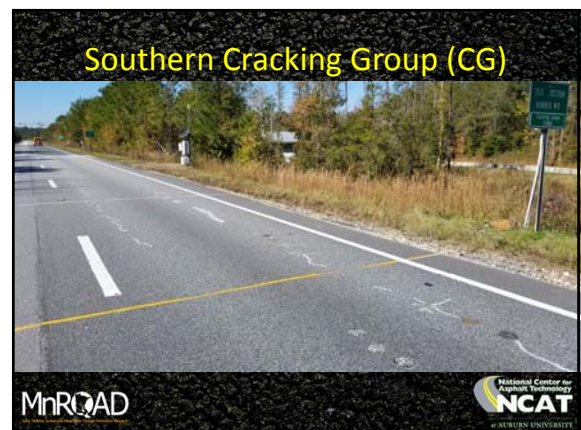
Thin Surfaces

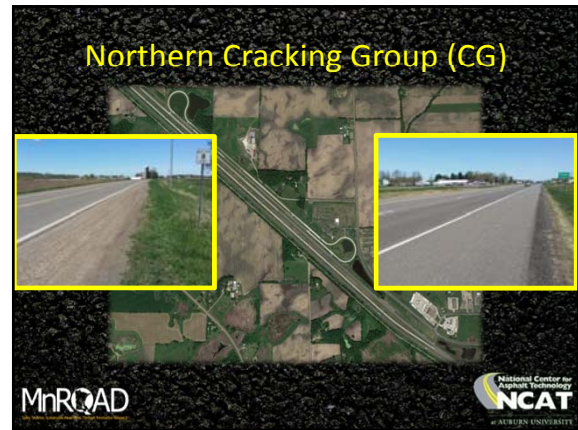
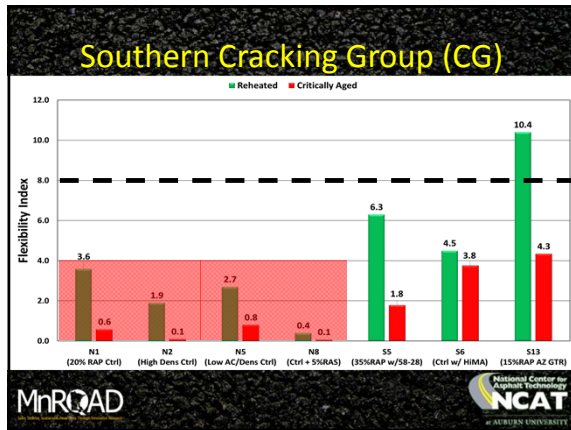
- Micro Mill/Inlay with Oklahoma OGFSC
- Surplus stockpile thinlays (up to 1 1/4")
- Epoxy surfaces with bauxite vs local
- Enhanced friction thinlays, micro, chip seal.

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- ### Southern Cracking Group (CG)
- N1 - 20% RAP Ctrl
 - N2 - High Dens Ctrl
 - N5 - Low AC & Dens Ctrl
 - N8 - Ctrl + 5% RAS
 - S5 - 35% RAP w/ 58-28
 - S6 - Ctrl w/ HiMA
 - S13 - 15% RAP AZ GTR.





Northern Cracking Group (CG)

CELL NO	MIX DESIGNATION	MAX ACG SIZE (mm)	RECYCLED MATERIAL		Air voids at N _{avg}	N _{avg}	MSCR BINDER GRADE	COMMENTS
			ABR %	RAS				
16	SPWBS40L	12.5	30-40	Yes	4.0	80	PG 645-22	
17	SPWBS40L	12.5	20-30		4.0	80	PG 645-22	
18	SPWBS40L	12.5	15-25		4.0	80	PG 645-22	
19	SPWBS30L	12.5	15-25		3.0	100	PG 645-22	
20	SPWBS40A	12.5	25-35		4.0	80	PG 525-34	
21	SPWBS40C	12.5	15-25	No	4.0	80	PG 58H-34	
22	SPWBS40C	12.5	15-25		4.0	80	PG 58H-34	3139 modified for limestone
23	SPWBS40H	12.5	10-20		4.0	80	PG 64E-34	Highly modified asphalt binder



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 at AUBURN UNIVERSITY

2018 TEST TRACK CONFERENCE

 MARCH 27-29, 2018
 AUBURN, AL

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 at AUBURN UNIVERSITY
 www.ncat.us

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