





















Phase II Test Section Construction			
Test Section	SBS Control (N7)	Dry Fiber (N5)	Target
Asphalt layer thickness (in)	5.7	5.6	5.5
Average in-place density (%)	e 95.9	94.2	> 93.0
			ATAS

SEAUPG 2024

11/21/2024





ummary		
Comparisor	n vs. SBS Control	Dry Fiber
	Stiffness	=
Lab Mix	Cracking resistance	\downarrow
endracterization	Rutting resistance	1
Field	Rutting	=
Performance	Cracking	=







Phase II Test S	ection Co	nstruction		
Test Section	SBS Control (N7)	Dry Rubber (N1)	Wet Rubber (N2)	Target
Asphalt layer thickness (in)	5.7	5.7	5.7	5.5
Average in-place density (%)	95.9	94.1	93.7	> 93.0
				National Cent Asphalt Techt NCA











Summary			
Compariso	n vs. SBS Control	Wet Rubber	Dry Rubber
	Stiffness (E*)	≤	≤
	Fatigue Resistance (CF)	1	1
Lab Mix	Fatigue Resistance (BBF)	1	=
(Plant Mix)	Cracking resistance (IDEAL- CT)	Ļ	Ļ
	Rutting resistance (HWTT)	=	=
511 D (Rutting	=	=
Field Performance	Cracking	Ļ	









Phase II Test S	ection Co	nstructior	I	
Test Section	SBS Control	Wet Plastic	Dry Plastic	Target
Asphalt layer thickness (in)	5.7	5.7	5.3	5.5
Average in-place density (%)	95.9	93.9	93.5	> 93.0
				National Cent Asphalt Techn NCA

Cracking

Dry plastic: 2.8%

• Steady IRI and MPD

Nathan Moore, P.E., NCAT



First detected by Pathway van

NCAT

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4 5 6 Million ESALs

1 2 3



Summary			
Comparison vs. SBS Control		Wet Plastic	Dry Plastic
Lab Mix characterization	Stiffness	=	1
	Rutting resistance	=	\uparrow
	Cracking resistance	\downarrow	$\downarrow\downarrow$
Field Performance (10 MESALs)	Rutting	=	=
	Cracking	=	↓*
*	pending further monito	ring	Rational C Asphalt Te

Final Summary

- Continuing traffic on AG sections
- Monitoring performance and understanding effects of differences in base stiffness and mat density
- Differences in laboratory results will hopefully yield differences in performance
- Development of framework underway

