NCAT Preservation Findings













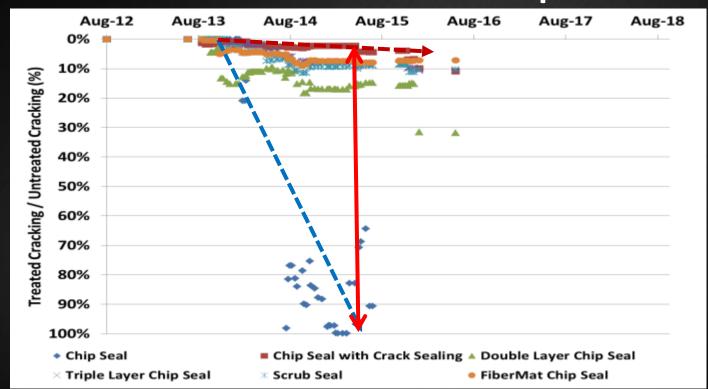




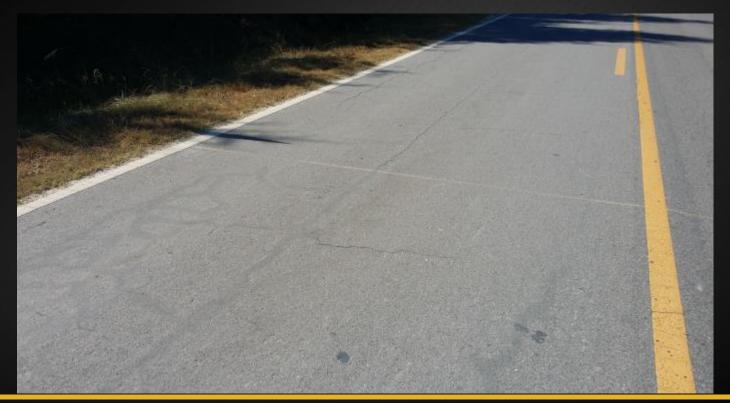
CR-159 Low Traffic Preservation



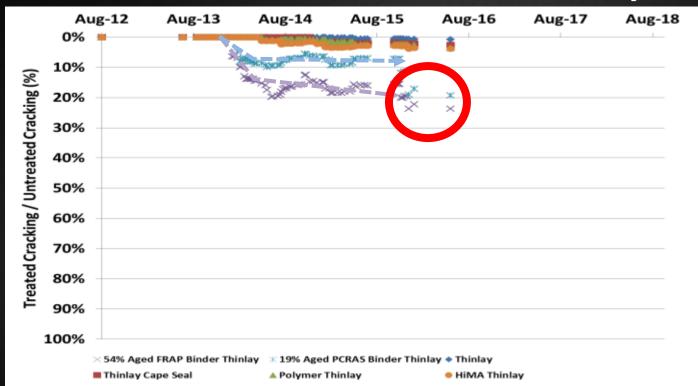
CR-159 Low Traffic Chip Seals



CR-159 Low Traffic Micro Surface



CR-159 Low Traffic Thinlays



CR-159 High Polymer Water Line Patch





Observations from Lee Road 159

- Crack sealing
 - Significantly reduces cracks as standalone or in combination
- Chip seals
 - Least cracking in scrub/triple/FiberMat, then double, then single
- Micro surfaces
 - Less cracking in double layer/crack sealed, best in combination Capes
- Thinlays
 - No cracks in Cape/CCPR base sections, more in 50% F-RAP & 5% RAS
- Cape seals
 - Least cracking in scrub/Thinlay, then FiberMat, then chip

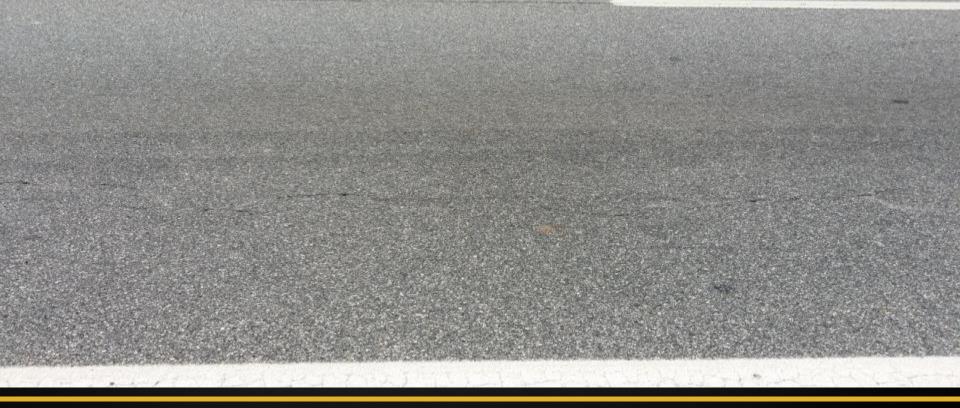


US-280 High Traffic Preservation





Untreated Cracks, Pumping_{128.0-128.5}



No Cracking in Virgin Thinlay_{128.5}



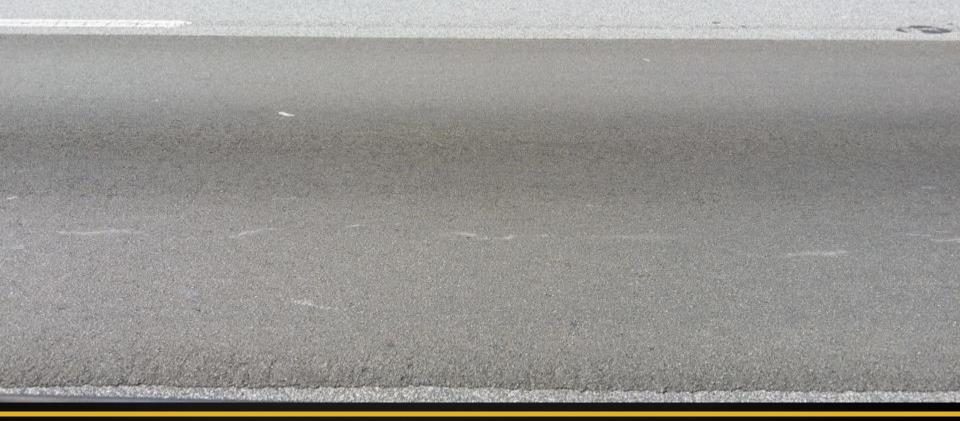
Double Micro Cracks, No Pumping_{128.6}



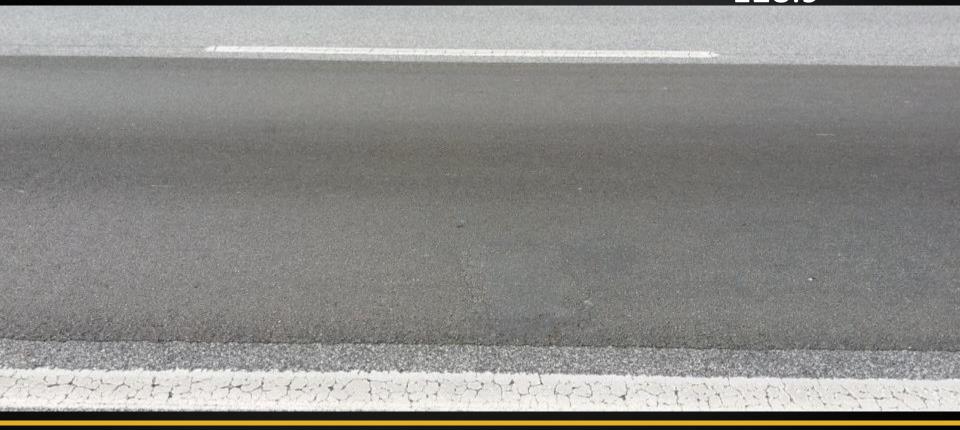
No New Cracks in Crack Sealing_{128.7}



Cracking, Pumping in Fiber Micro 128.8



No Cracks in HiMA Micro_{128.9}

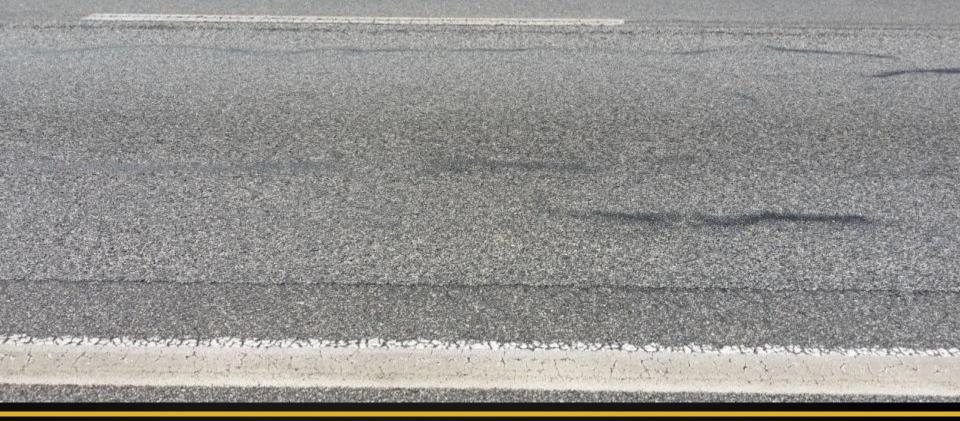




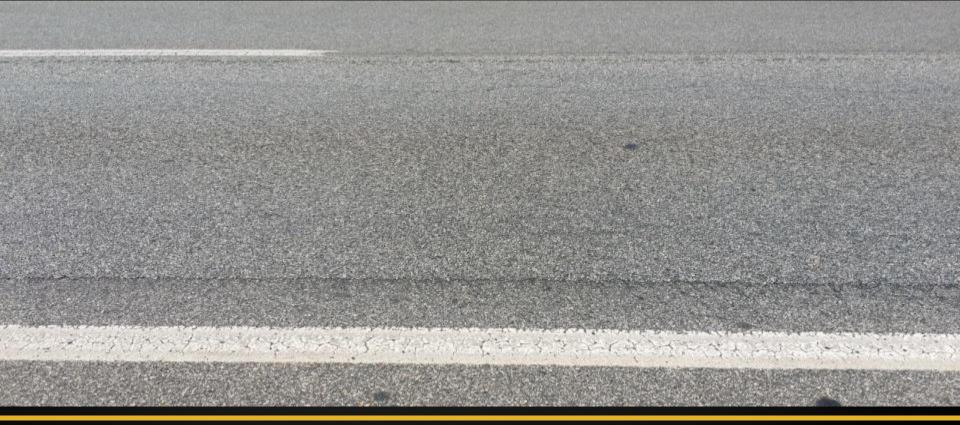
(Rejuvenating) Fog Seals_{129.0-129.2}



Chip Seal with Crack Sealing 129.3

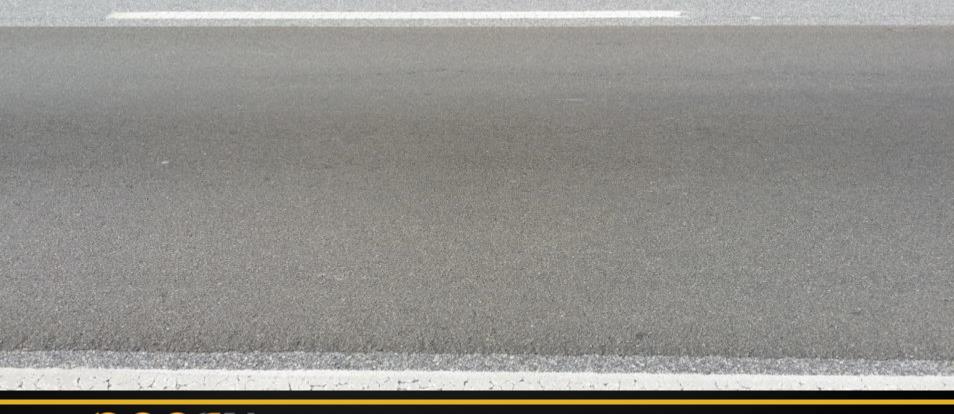


Chip Seal Cracks, No Pumping 129.5

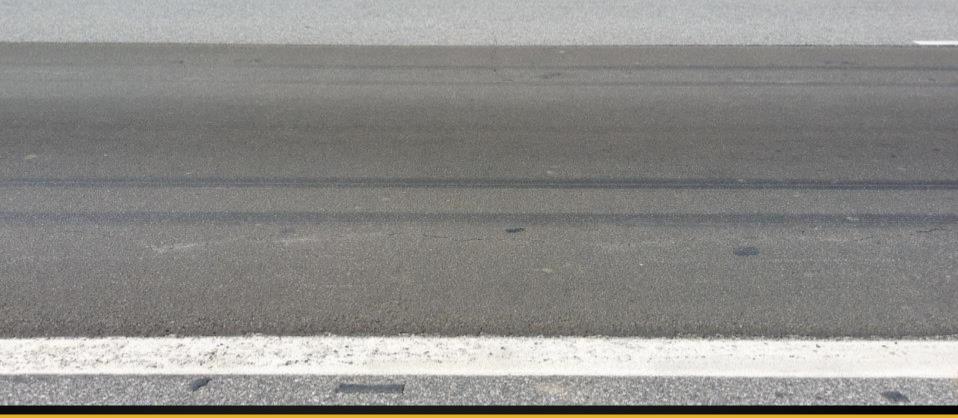




Cracks, No Pumping Micro Surface 129.7



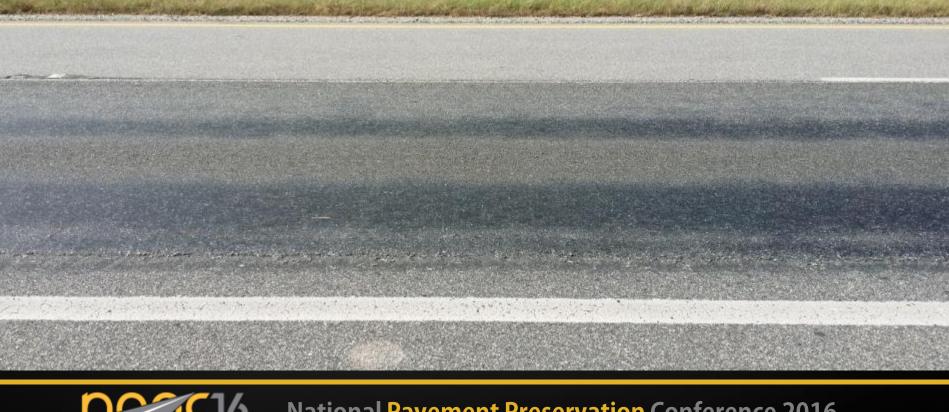
Cracks, Pumping in Scrub Cape_{130.0}







Bleeding in Triple Chip Seal_{130.5}





Flushing in Double Chip Seal_{130.6}





No Cracks in OGFC_{130.9-131.4} or UTB_{132.4}



Cracks, Pumping in Thinlay Scrub Cape_{131.4}



Friction Micro 131.7 on Thinlay 131.8



100% RAP Cold Recycle Mix_{131.9-132.4}





High Traffic Preservation on US-280



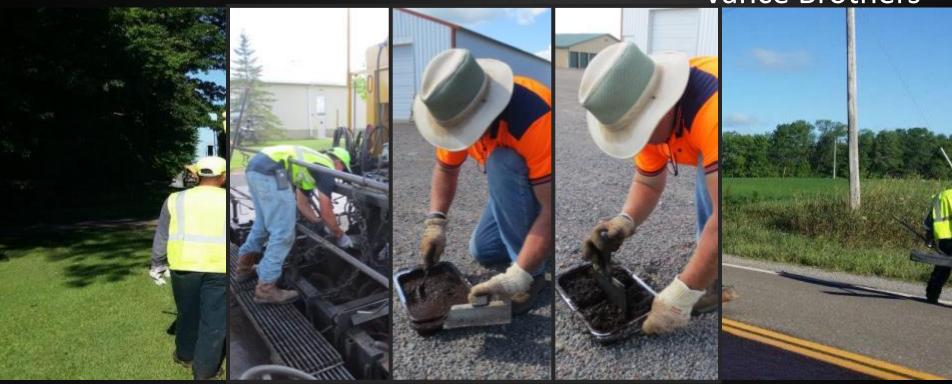


MnROAD Thinlays Hardrives > EAP





MnROAD Emulsion Treatments_{Vance Brothers}









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