2012 NCAT Pavement Test Track Pavement Preservation Study



RMW Pavement Preservation Partnership Meeting

October 8, 2013

Mary Robbins

Pavement Preservation

"A program employing a network level, long-term strategy that enhances pavement performance by using an integrated, cost-effective set of practices that extend pavement life, improve safety and meet motorist expectations"

- FHWA Pavement Preservation Expert Task Group



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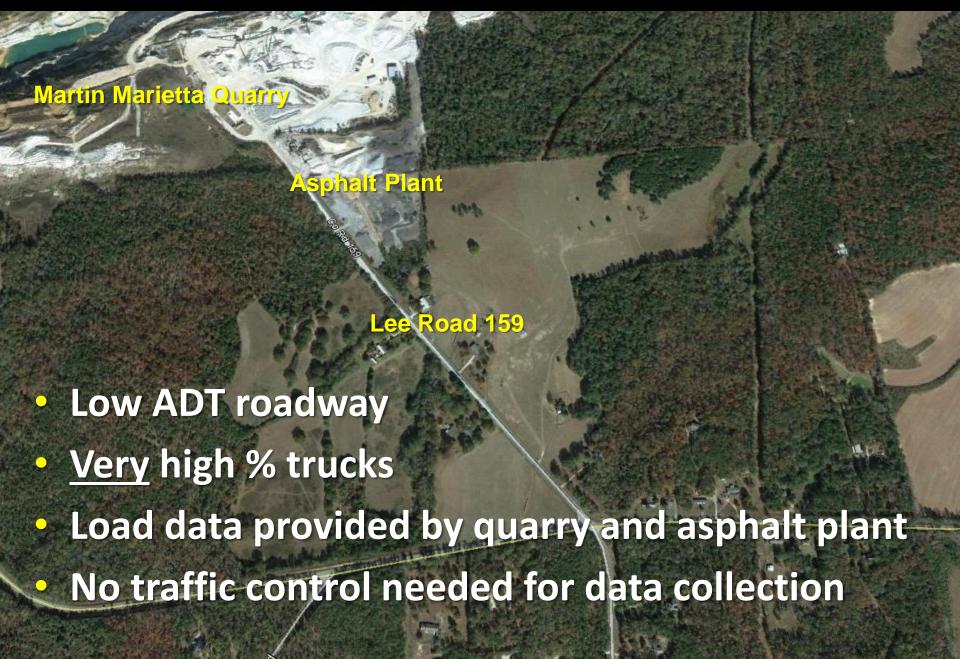
2012 Preservation Group (PG) Study

- Quantify life extending benefit of study treatments
 - Time/traffic to return to pretreatment condition(s)
 - Test sections on the Track and Lee Road 159

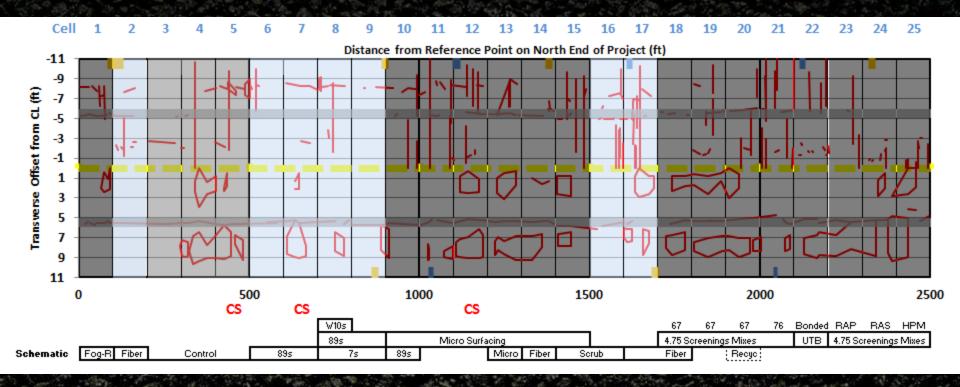
Sampling/testing for construction quality



PG Sections on Lee Road 159



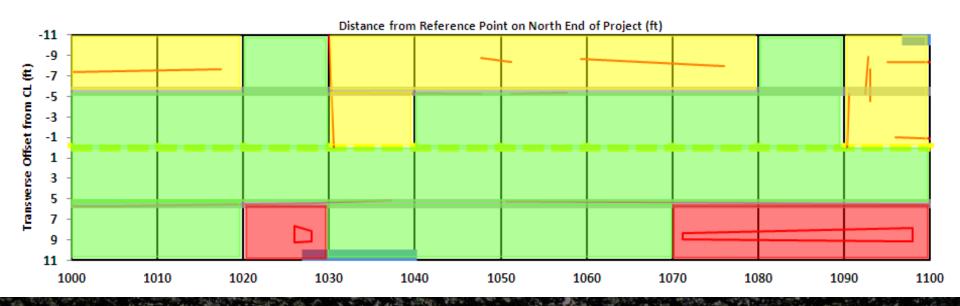
Final 159 Treatment Layout



- Preventive maintenance
- Routine maintenance
- Minor rehabilitation

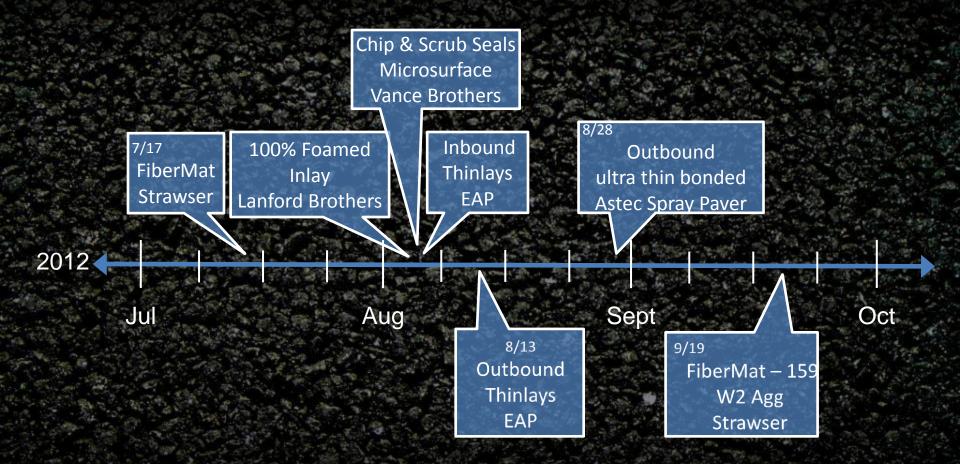


L11 Lee Road 159





Lee Road 159 Construction





Rates Checked Prior to Placement





Actual Rates Verified During Placement





Lee Road 159 Pavement Preservation Experiment to Reduce the Cost to Maintain Your Roads

Funding Provided by:

Alabama, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, and FP2 via Auburn University and the Lee County Commission









































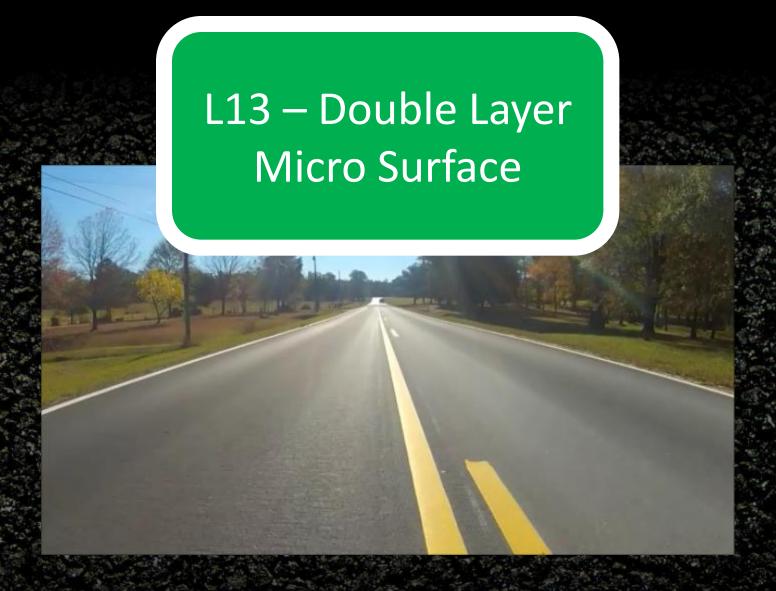






























































159 Testing Overview

- Weekly
 - ARAN Van (rutting, roughness, texture)
 - Video for crack mapping
 - Visual inspections with notes/pictures
- Monthly
 - Wet ribbed surface friction
 - Subgrade moisture readings
 - Falling weight deflectometer (FWD)
- Other
 - Ground penetration radar (GPR)

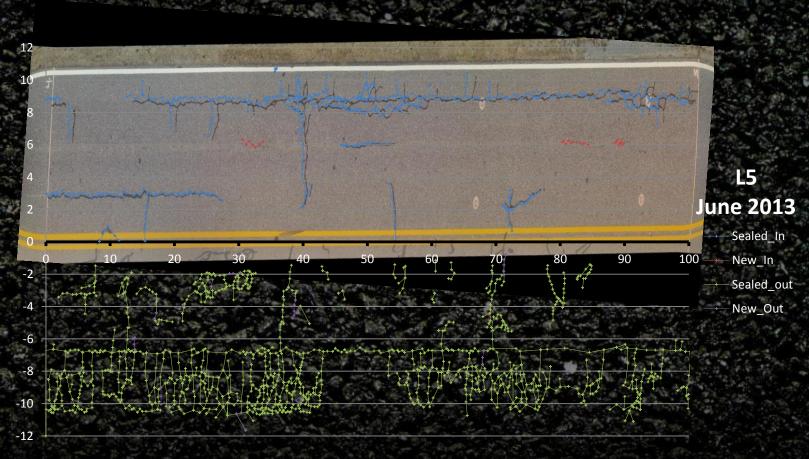


Lee 159

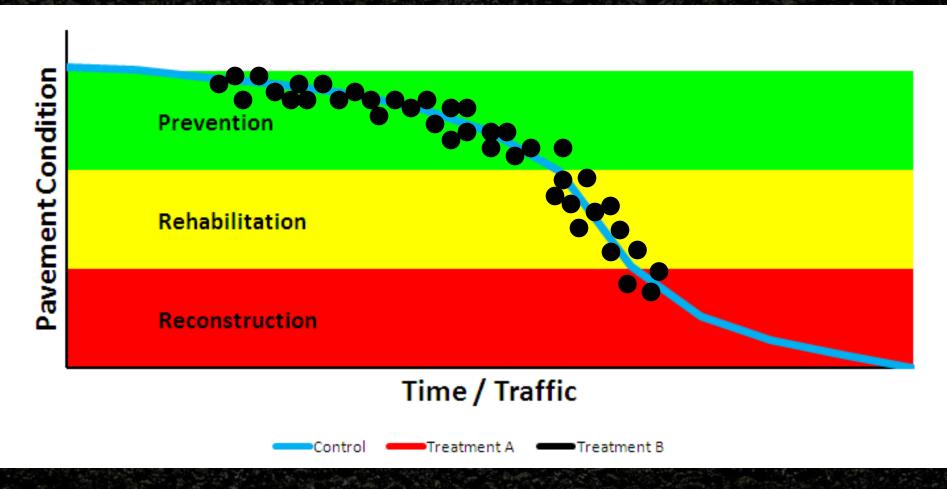




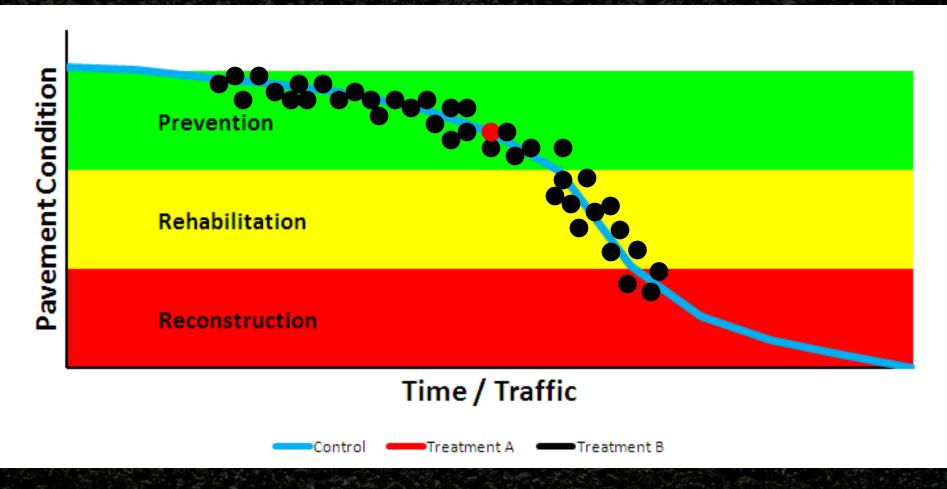
Crack Maps



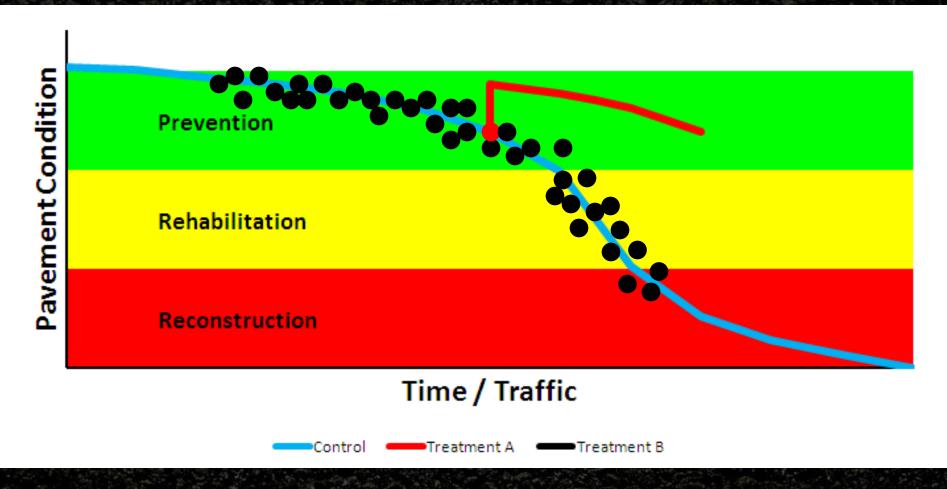




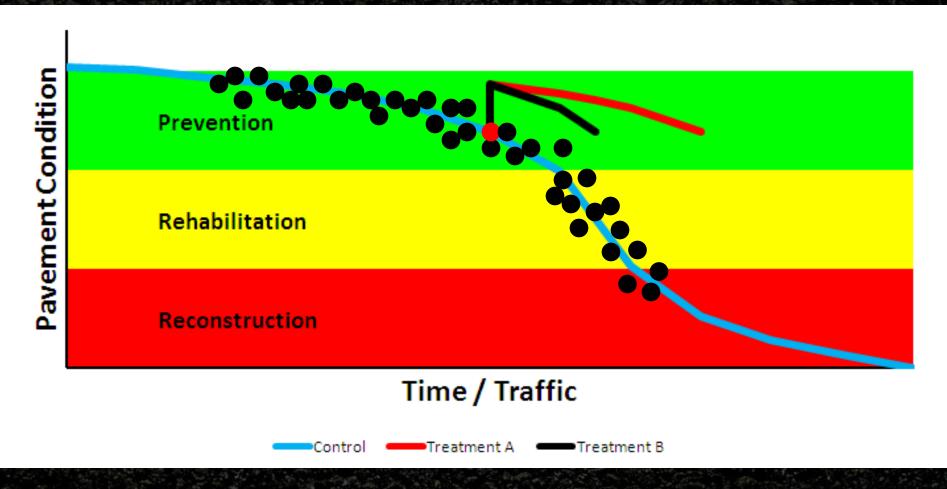














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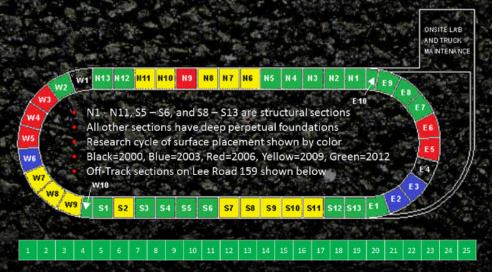
Click here for the official NCAT web site, Tracks in US, or Tracks Worldwide



HOTLINKS to download PAVE reports, review upcoming NCAT-training courses, query historical weather data, view current color radar or preview local forecast.

, ESALs as of 2300 hours on

Performance data for each section can be viewed by positioning your mouse over the section in question and left-clicking. Based on feedback from our research sponsors, the performance reports have been revised to include crack maps. The 2009 performance reports are now a fully integrated and active part of the web presentation.





Questions?



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