

# NCAT Pavement Test Track

An aerial photograph of the NCAT Pavement Test Track. The track is a long, winding road that curves through a dense forest. In the foreground, there is a large, modern building with a circular driveway and a parking lot. The track itself is a multi-lane road with a smooth surface, and it is surrounded by a thick forest of trees. The overall scene is a mix of natural and man-made elements.

2012 Pavement Preservation Study

# 2012 Track Research Cycle

- Implementation of higher recycled content mixes
- Durability of safer drainable pavements
- Alternative binders and binder modifiers
- Preservation Group (PG) experiment

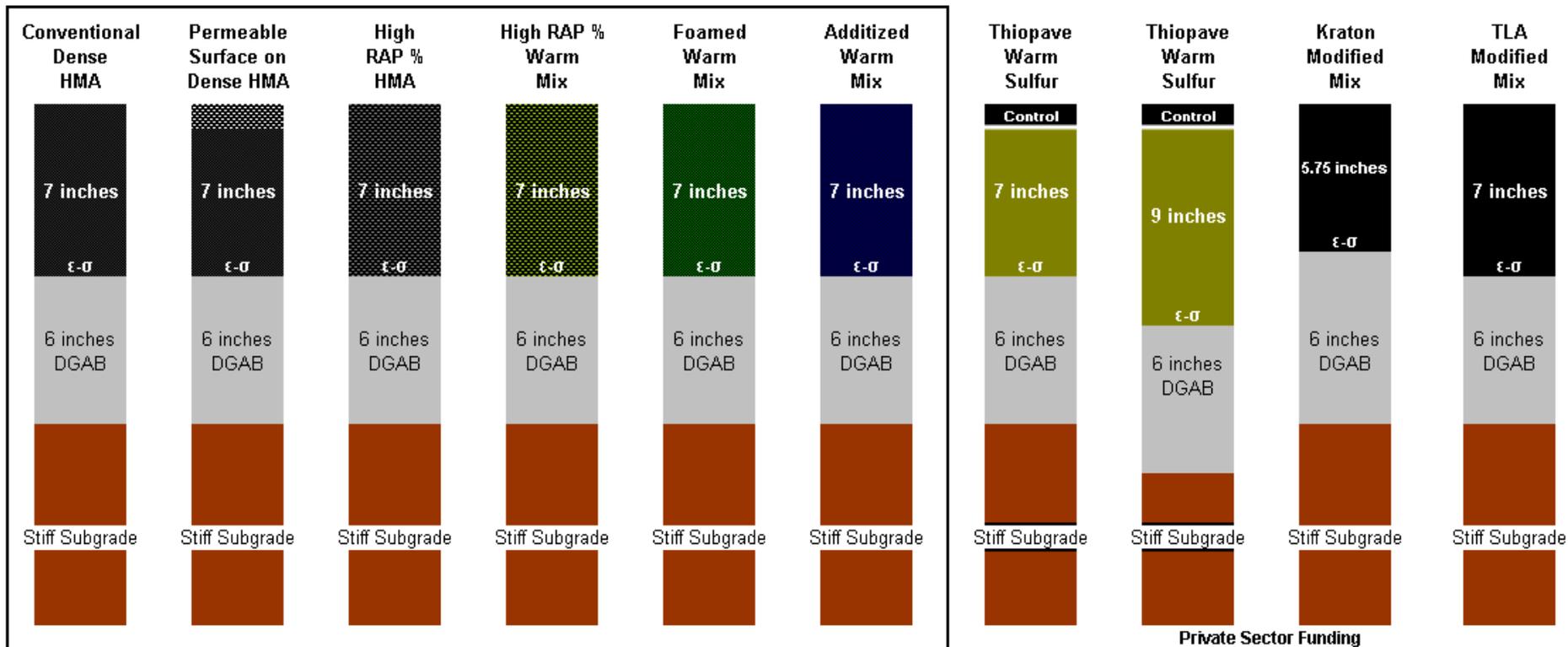
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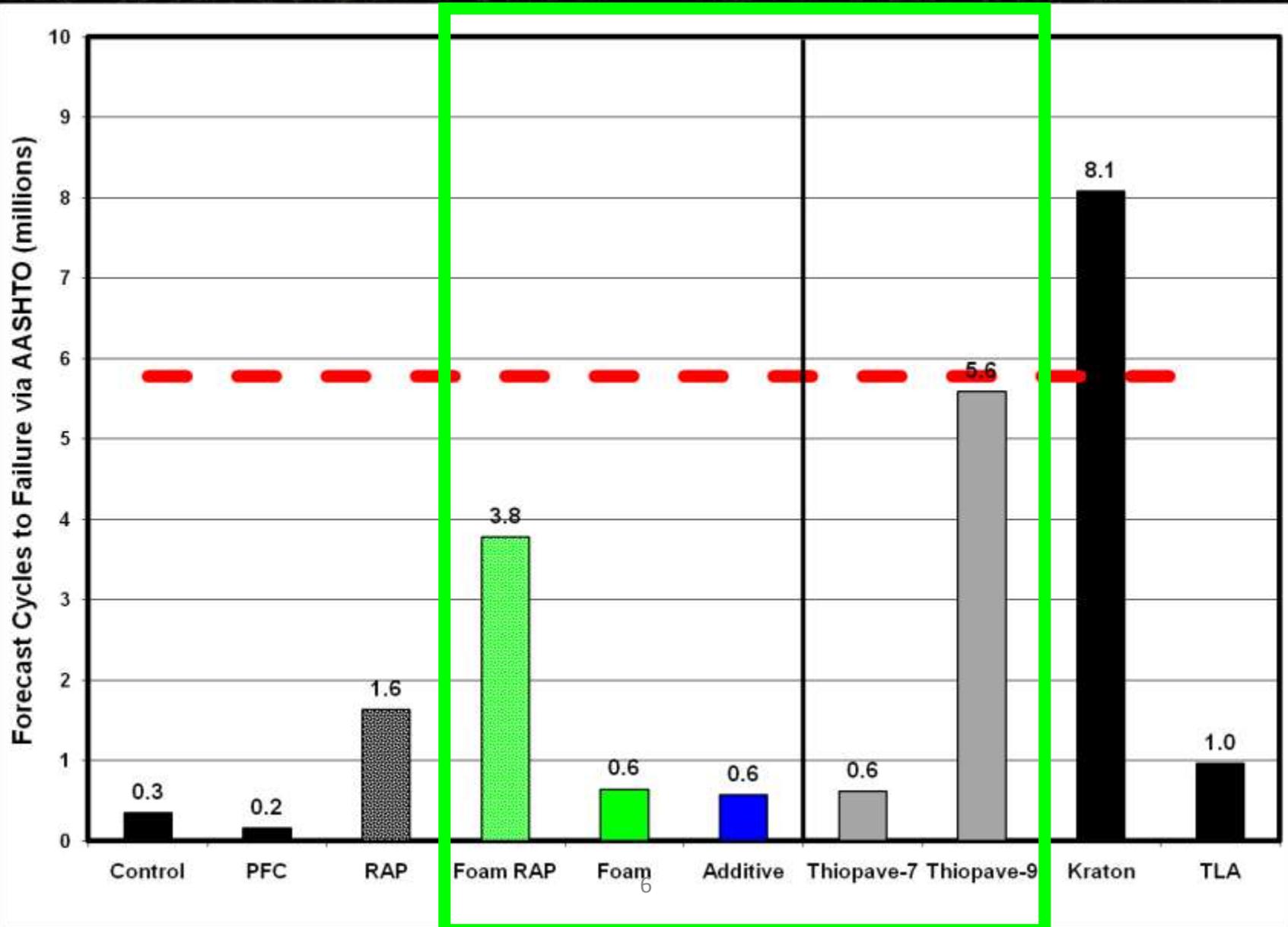
# 2012 PG Experiment

- Traffic continuation on 2009 GE+ test sections
- GE+ contains high RAP, two WMA, PFC sections
- Stop traffic when trigger distress(es) reached
- Apply consensus PP treatments to GE+ sections
- Duplicate / expand study in off-Track research

# 2009 Group Experiment (+)



# 2009 GE+ Cracking Expectations



# Potential 2012 PG Treatments

- Chip seals (Various agg sizes, design processes, application rates)
- Scrub seals
- Micro-surface
- Cape seals
- Thin-lift HMA (Inlays vs overlays, conventional vs low cost)
- "HMA Cape seals"
- Fog seals (Traditional fog seals vs low pen recycled rubber)
- Micro-milling
- Etc...

# Off-Track Test Sections



# Loaded Trucks in Outbound Lane



**Martin Marietta Quarry**

**EAP's Auburn Plant**

**Lee Road 159**

# Lee Road 159

- Half mile in total length with uniform distresses
- Relatively thin HMA over medium subgrade
- Low non-truck traffic (only 5 residents)
- 500 to 750 thousands tons / year from quarry
- Between 20 and 30 thousand truckloads / year
- Keen PP interest from Lee County Engineer

# 2012 Track Time Line

- ALDOT 10/3/2011 RAC meeting (PF + PG)
- Pooled fund advertisement in fall 2011
- Sponsor commitments by 12/31/2011
- ALDOT Letter of Direction by 3/1/2012
- Summer 2012 reconstruction (trucks by 8/31)
- PF payments due 2/29/12, 10/1/12, & 10/1/13

Questions ?

[www.pavetrack.com](http://www.pavetrack.com)  
[www.pooledfund.org](http://www.pooledfund.org)