

NCAT Pavement Test Track



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

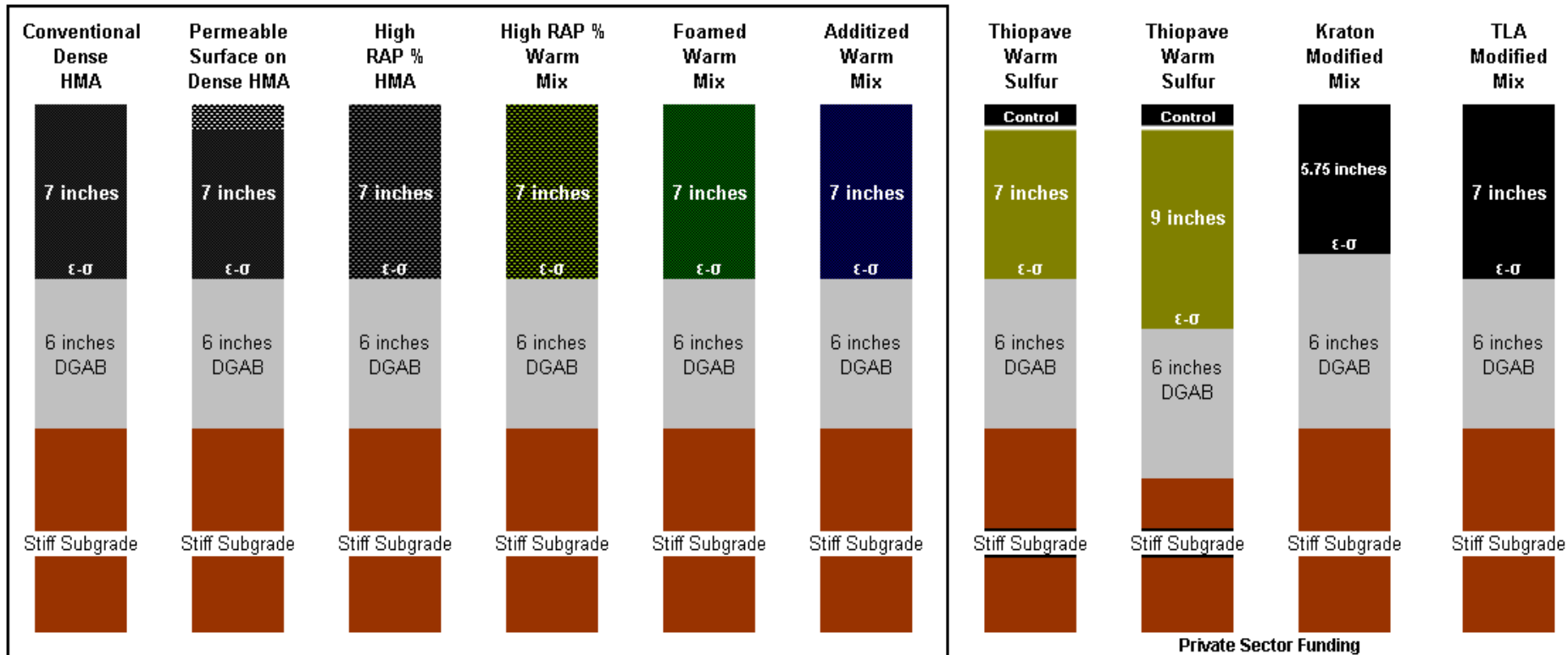
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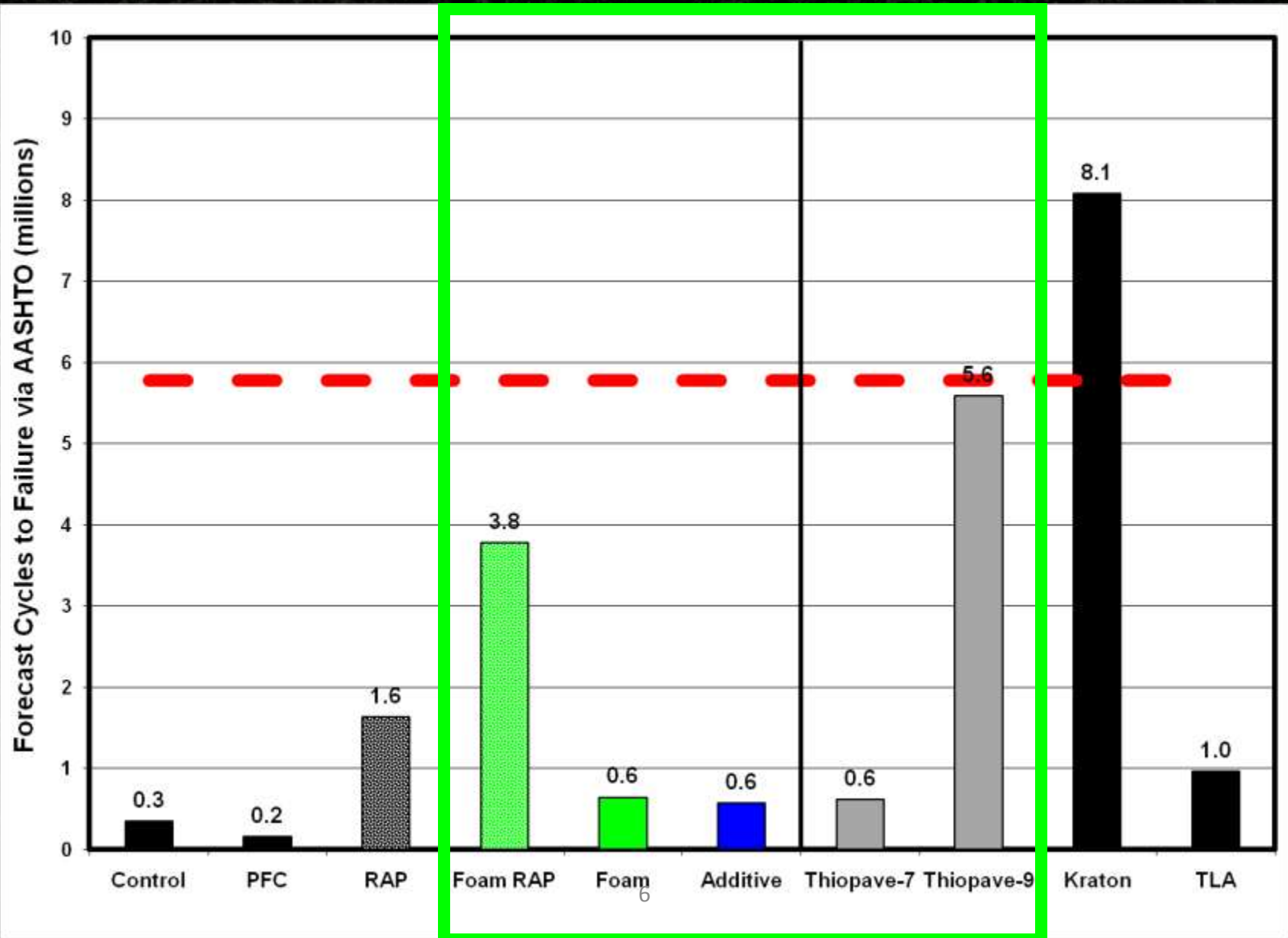
2012 PG Experiment

- 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 (+)



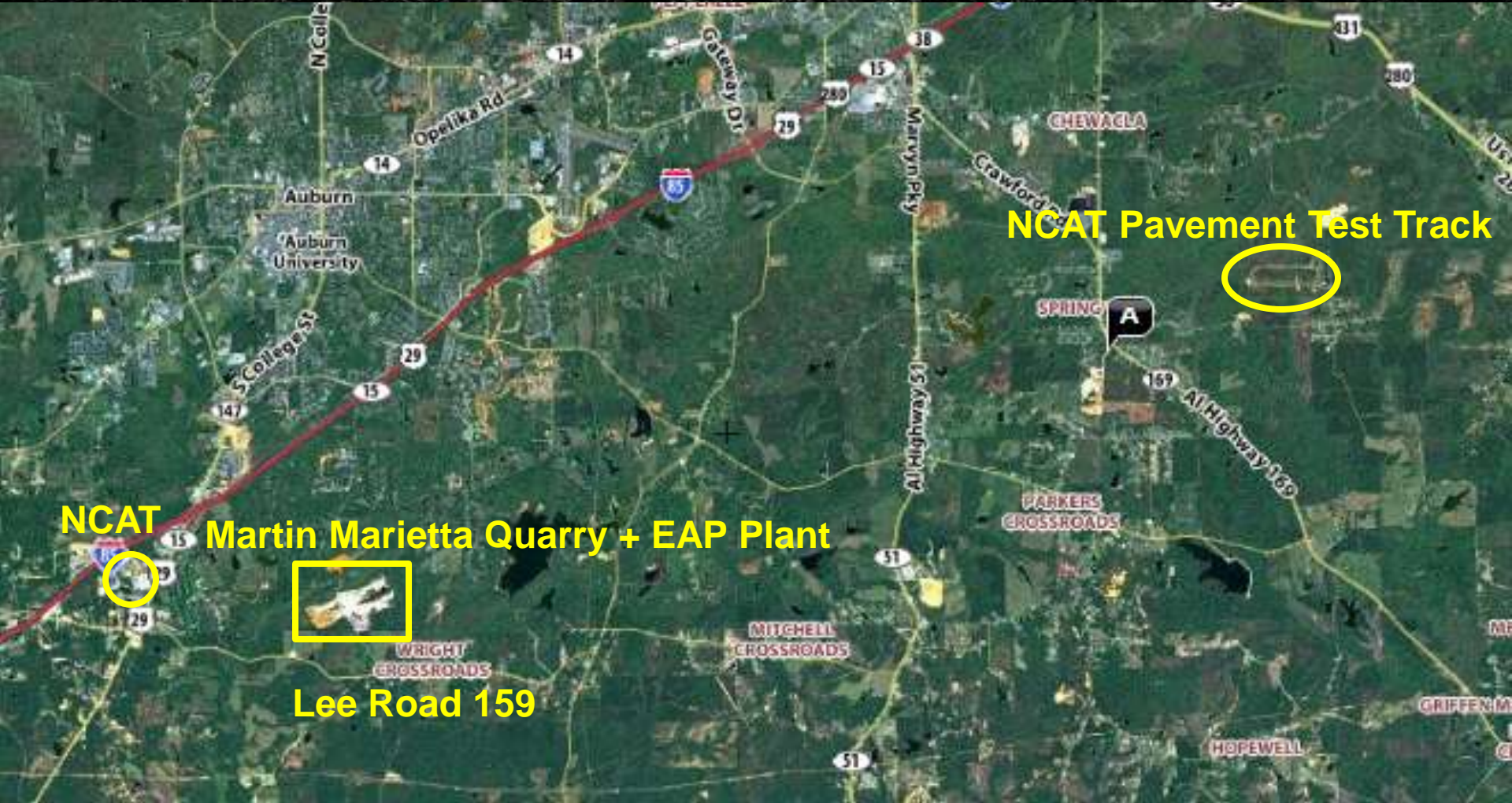
2009 GE+ Cracking Expectations



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
www.pooledfund.org