



Mississippi Department of Transportation

State of the State:

A snapshot of pavement preservation

Southeast Pavement Preservation Partnership
Annual Meeting: May 28-30, 2014 Louisville, KY





Pave•ment Pres•er•vation/

/Pāvment prezər'vāSHən/ noun.

“Programs and activities 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 road user expectations”.

National Center for Pavement Preservation

TREATMENTS

A Venn diagram consisting of three overlapping circles. The top circle is blue and labeled 'TREATMENTS'. The bottom-left circle is olive green and labeled 'SUCCESSES'. The bottom-right circle is blue and labeled 'CHALLENGES'. The circles overlap in the center and at the intersections between pairs of circles. The background is a dark, textured surface, possibly asphalt or concrete.

SUCCESSES

CHALLENGES

What we use...

- **Ultra-thin lift Overlay**
- **Scrub Seal**
- **Crack Sealing**
- **Chip Seal**
- **Fog Seal**

An aerial photograph of a two-lane asphalt road with double yellow center lines and white edge lines. The road curves through a wooded area with green and brown foliage. A semi-transparent white rectangular overlay is placed over the road, containing text. The text is arranged vertically, showing the year and distance for each year: 2011 (15 Miles), 2013 (23 Miles), and 2014 (38 Miles). At the bottom of the image, the text 'Ultra-thin Lift' is written in a bold, black, serif font.

2014 38 Miles

2013 23 Miles

2011 15 Miles

Ultra-thin Lift

Scrub Seals

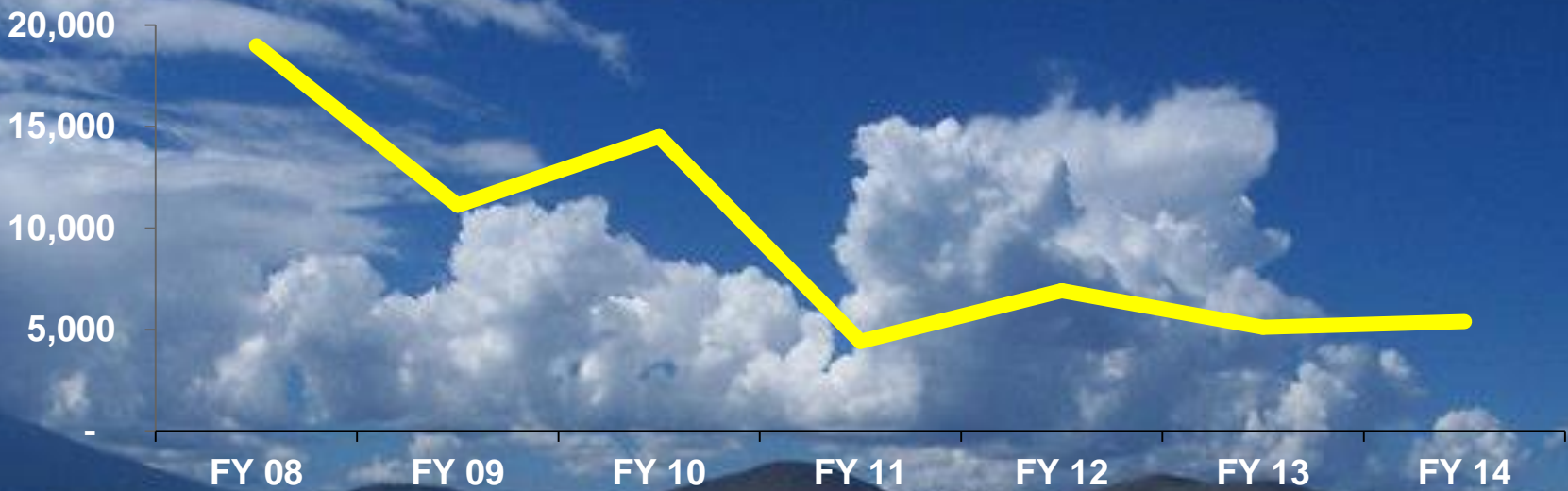


2015 **100** miles

2014 **66** miles

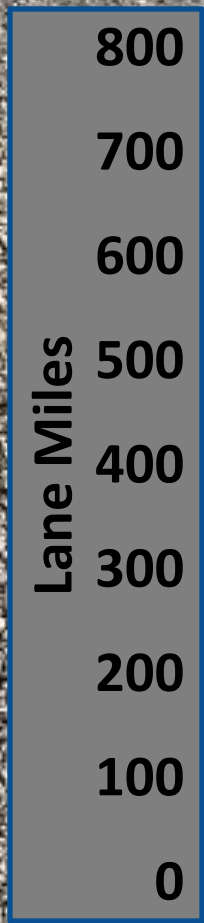
2013 **47** miles

Crack Sealing State Forces (Gallons)



1
CONTRACT

CRACK SEALING



State Forces
(Lane Miles)

Contract
(Lane Miles)

FY 08 FY 09 FY 10 FY 11 FY 12 FY 13 FY 14

Chip Seals

SAMI'S &

151 miles

Chip Seal with Fog seal

Moving Forward.....





CHALLENGES



PUBLIC PERCEPTION



Economic
RECOVERY
JOBS · NEW BUSINESS · GROWTH

MS ROAD
MAINTENANCE
FUNDING ↑

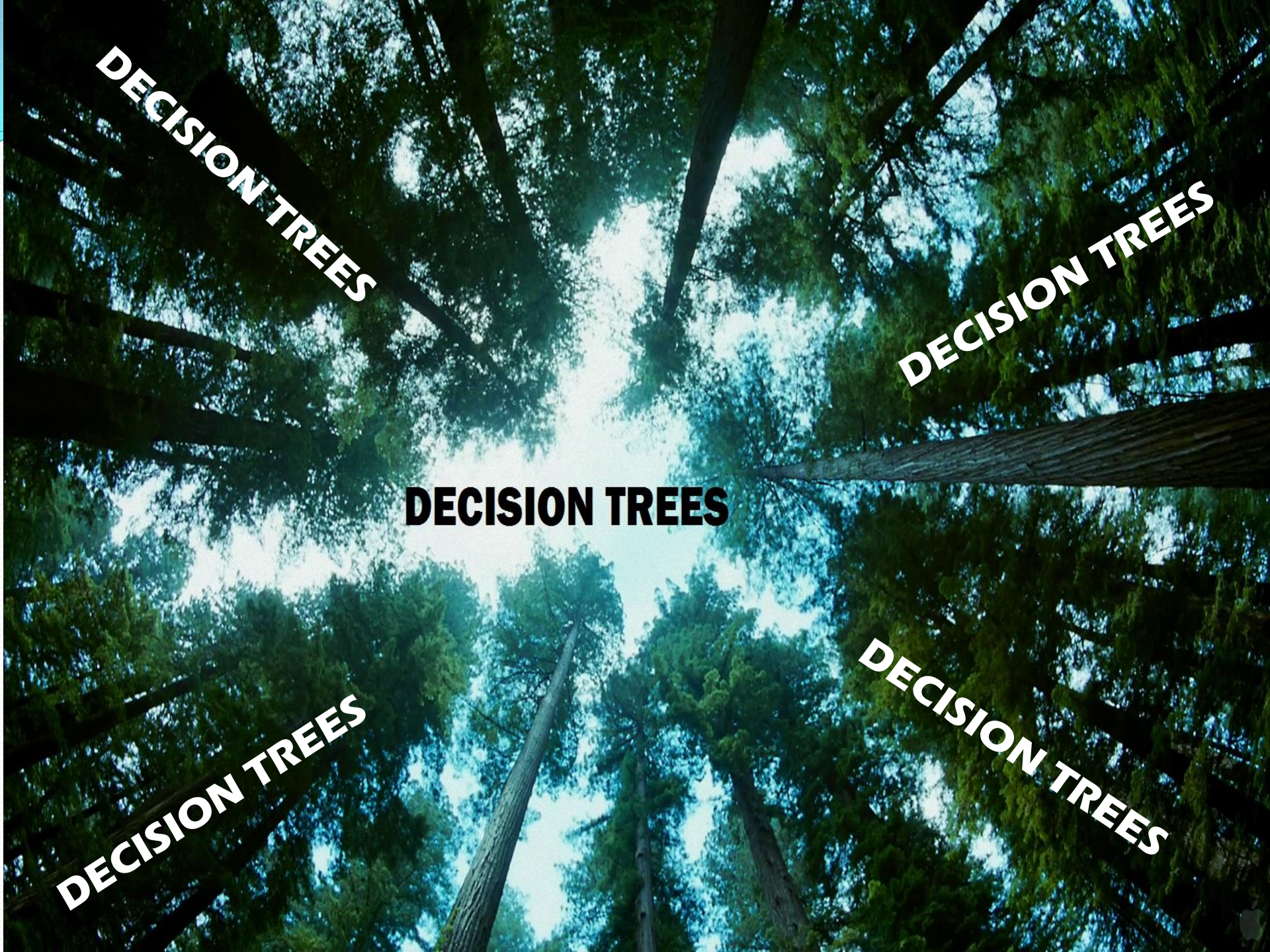


*Rutting reflected
Skid numbers failed*

Micro-Surfacing Issues

SUCCESSSES





DECISION TREES

DECISION TREES

DECISION TREES

DECISION TREES

DECISION TREES

DECISION TREES

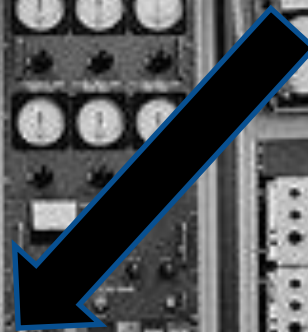


- **Implemented a Pilot Program involving 2 of our 6 Districts in the state in 2012.**
- **Went live statewide this year**
- **Utilizes “Right Treatment for the Right Roads” approach**

OPTIMIZATION

**PERFORMANCE
TARGETS**

**PAVEMENT
DATA**



LIFE CYCLE BASED BUDGETING

A large, irregular pothole in dark asphalt pavement. The pothole is filled with water, which reflects the surrounding environment, including what appears to be a chain-link fence and bare trees. The edges of the pothole are jagged and show the underlying aggregate material.

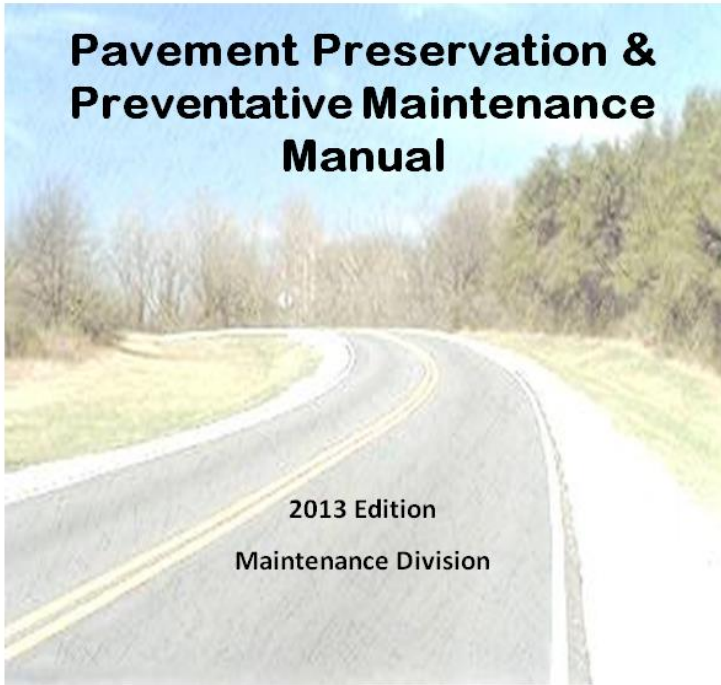
10 %

**BUDGET ALLOCATION FOR
PAVEMENT PRESERVATION**



Mississippi Department of Transportation

Pavement Preservation & Preventative Maintenance Manual



2013 Edition
Maintenance Division

Pavement Preservation Manual





STATE

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