

Pavement Preservation-FP² Inc. provides insight

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Association of Modified Asphalt Producers
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Presentation Outline

- **Beyond MAP-21**
- **Strategic Planning Meeting**
- **2013 James B. Sorenson Award**
- **NCAT Preservation Group Study**
- **ADA**
- **2nd International PP Conference**
- **Q/A**

MAP-21

- **Pavement Preservation language is included in the policy and definition sections of the statute**
- **Pavement Preservation projects are now eligible to receive federal funds**
- **Helped to frame the debate for Asset Management and Pavement Preservation**

MAP-21-What's Next?

- The Agency is in the process of reviewing and the interpreting the new law and developing performance standards- 1st Qtr. 2014
- FP² will remain engaged in this process to ensure that preservation outcomes remain as intended
- Next round of legislation-when? Major issue is \$\$\$



Strategic Planning

- Meeting was held October 29-31 in Dallas
- Contributors and stakeholders were invited as well as others
 - AASHTO
 - FHWA
 - NCPP
- Discuss needs and plans for the next five years

Strategic Planning

- **For the next five years-**
 - Continue advocacy, reach to the locals
 - Grow contributors
 - Support research and NCPP
 - Communication outreach through the Journal and other avenues such as Asphalt Magazine & Asphalt Contractor

Strategic Planning

- During the next five years- short & long term goals
 - Explore models (NAPA, AGC, AI) to increase contributors
 - Re-initiate the FHWA ETG
 - Work closely with NACE, NACo, MPOs and other local groups to promote preservation

2013 Sorenson Award

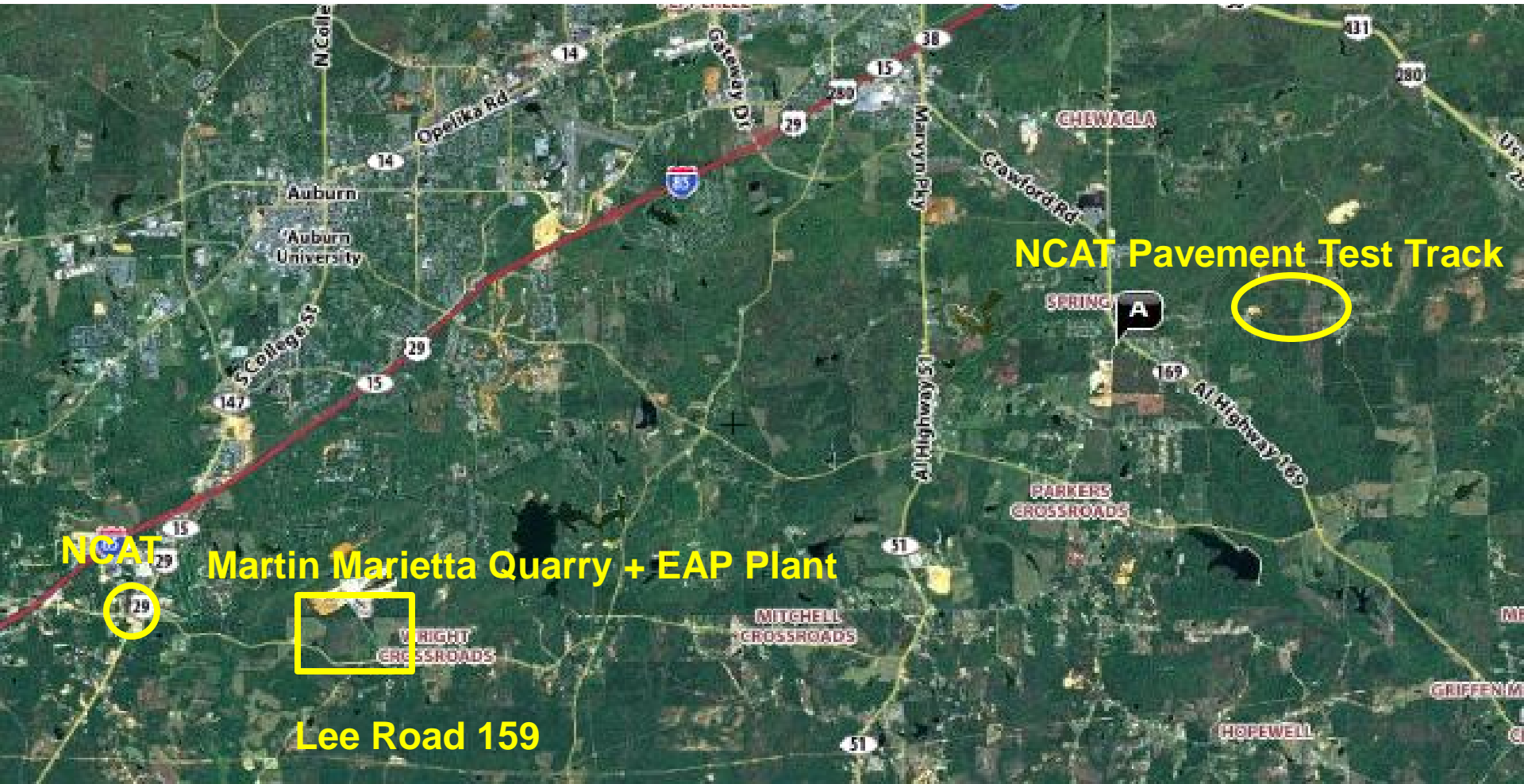
- Was presented at the Fall PP Partnership meetings Indianapolis in November
- 2013 recipient is the New Hampshire Department of Transportation
- Aggressive and dynamic preservation program managed by Eric Thibodeau and supported by Commissioner Clement
- Would encourage 2014 nominations

NCAT Preservation Group Study

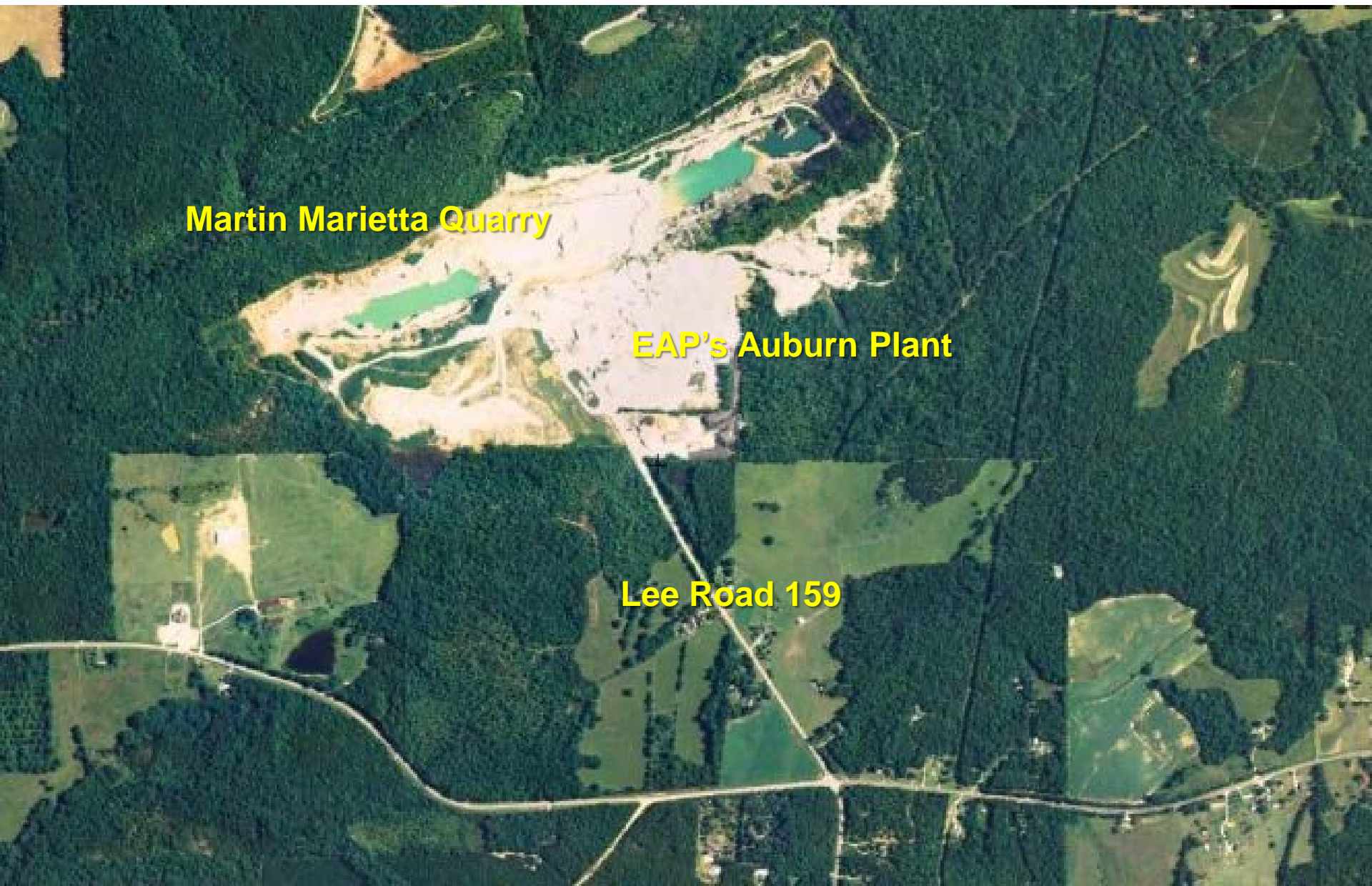
- Seven states and FP² Inc. are full funding partners for the three year study
- Twenty Five test sections constructed on Lee County, AL 159 in August, 2012
- Several treatments on the NCAT track to be provided soon



Off-Track “PG” Test Section



PG Sections on Lee Road 159



Martin Marietta Quarry

EAP's Auburn Plant

Lee Road 159

NCAT Preservation Group Study

- 23 test sections and 2 control sections constructed, all types of preservation treatments placed in 2012 including 7 HMA sections
- Go to www.pavetrack.com/performance to view binders, emulsion, aggregate, techniques, and performance for each test section

Thin HMA Sections on Lee Road

| Section | Mix Type | Material | Binder | Modifier Type |
|---------|----------|----------------|--------|---------------|
| 18 | 4.75mm | LS screenings | 67-22 | N/A |
| 19 | 4.75mm | LS screenings | 67-22 | N/A |
| 20 | 4.75mm | LS screenings | 67-22 | N/A |
| 21 | 4.75mm | LS screenings | 76-22 | SBS |
| 22 | UTBWC | Granite | 76-22 | SBS |
| 23 | 4.75mm | 50% RAP, /LS s | 67-22 | N/A |
| 24 | 4.75mm | 5% PCRAS/LSs | 67-22 | N/A |
| 25 | 4.75mm | LS screenings | 88-22 | 7.5% SBS |

NCAT Preservation Group Study

- Monitoring continues under the current contract
- Continued monitoring being discussed
- “Trigger Values” for preservation treatments on the track are under discussion with the funding partners
- December 2013 funding partners meeting held to discuss issues

NCAT Preservation Group Study

- **Monitoring**

- **Weekly**

- ✓ ARAN
 - ✓ Video crack mapping
 - ✓ Visual inspection

- **Monthly**

- ✓ Friction (ribbed tire)
 - ✓ Subgrade moisture
 - ✓ FWD

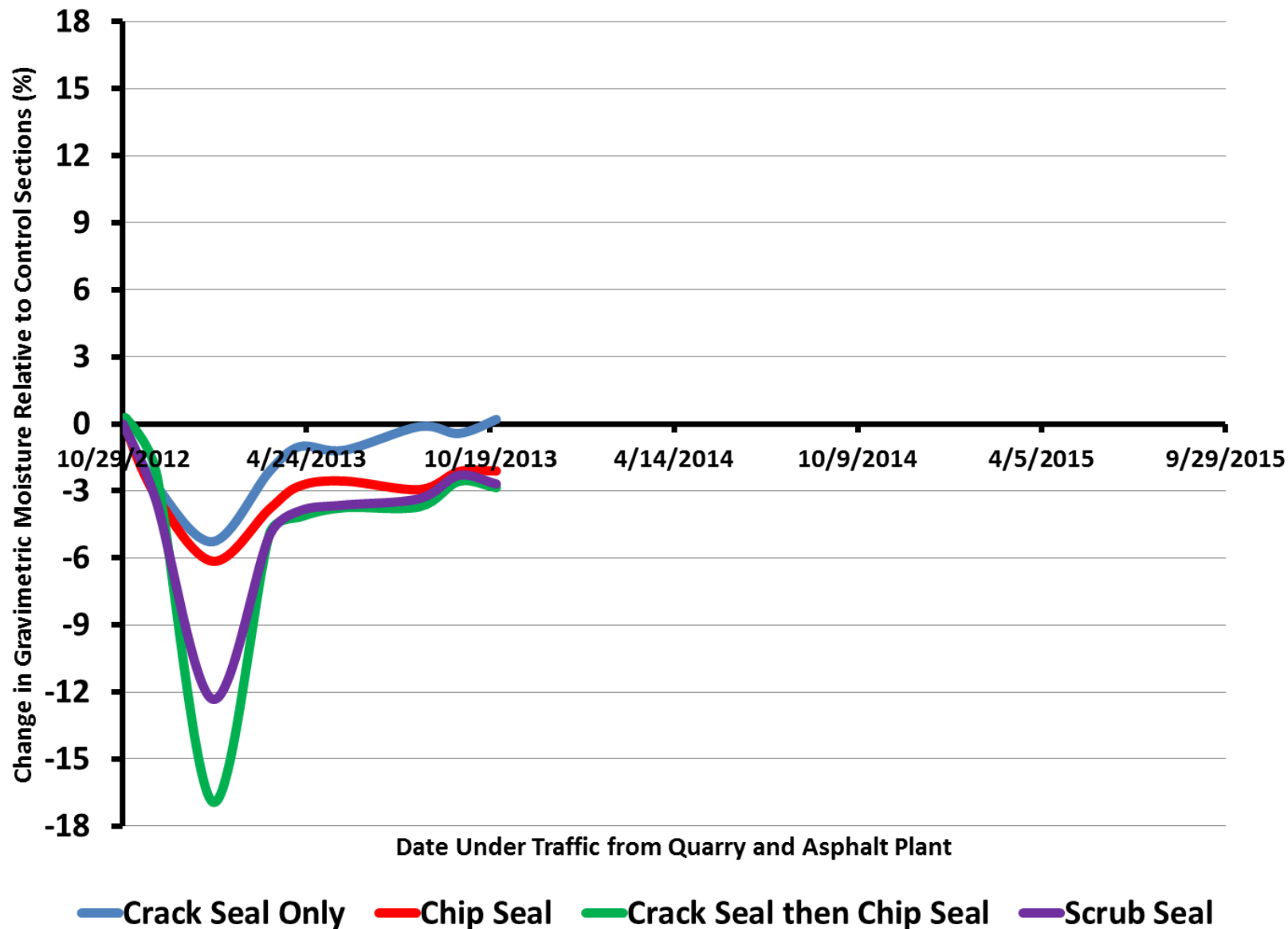
NCAT Preservation Group Study

- **Quality Control during construction**
 - **Calibration of equipment for each placement**
 - **Sampling & Testing**
 - ✓ **Aggregate & Emulsion, HMA**
 - ✓ **Target rate vs. Actual for seal coats-extremely close**
 - ✓ **4.75mm mixes**

NCAT Preservation Group Study

- Findings to date:
 - 19, 533 vehicle passes-have to convert to ESALS
 - No return to pre-treatment condition yet, some cracking
 - Subgrade Moisture- treatments do work!
 - Crack seal-chip seal-seal & chip-scrub seal

Moisture Probe Data



NCAT Preservation Group Study

- Findings to date:
 - Testing ongoing with the HMA mixes
 - ✓ AMPT
 - ✓ E^*
 - ✓ Hamburg
 - ✓ Indirect tension creep & strength

www.pavetrack.com



Performance


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Click here for [the official NCAT web site](#), [Tracks in US](#), or [Tracks Worldwide](#)



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.

Opeake, AL

Get the 10 day forecast

61°F
Cloudy

Feels Like: 61°F
Humidity: 81%
Wind: SE at 8 mph

Enter city/zip **GO!**

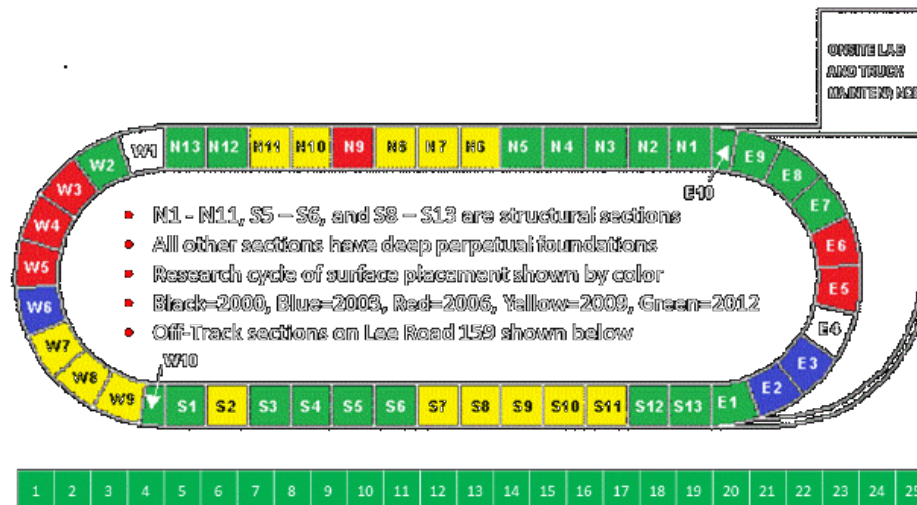
The Weather Channel
weather.com

Vacation Planner
Hit the Road
Travel Top 10s

Weather at 30,000 feet

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

0, ES&As are of 2000 hours on



Americans with Disabilities Act

- The issue-“Alterations” to the pavement surface
- Title II, Section 202 in the original ADA act deals with alterations
- Act mandates compliance when reconstruction, rehabilitation, resurfacing, and widening are planned
- Maintenance activities are exempt

Americans with Disabilities Act

- 1993 lawsuit, Disabled in Action vs. Penn DOT and the City of Philadelphia
- Sorenson's activities regarding waivers for preservation treatments
- Architectural & Transportation Barriers Compliance Board (now US Access Board) request for public comment on Accessibility Guideline for Pedestrians in the Public R/W in mid-2011

Americans with Disabilities Act

- **FP² Inc. provided comments in November 2011 specifically exempting preservation treatments**
- **Attempted to follow course of action-discussions between DOJ and FHWA**
- **Joint DOJ/DOT Joint Technical Assistance document dated June 28, 2013 “clarifies” the original intent of ADA regarding alterations**



Americans with Disabilities Act

Includes:

Overlays w/wo milling
New layers of Asphalt
PCC rehab and
reconstruction
OGFC
Microsurfacing
Thin lift overlay
Cape Seals
CIR

Excludes:

Striping
Crack sealing
Chips Seals
Fog seals
Slurry seals
Scrub seals
Dowel bar retrofit
Diamond grinding
Patching

ADA-what's next?

- FHWA webinars have been held-good participation
- AASHTO SCO Maintenance resolution
- FP² funded studies to develop cost data?
- Working with a coalition in DC to develop strategies
- Other actions?



2nd International Conference

- February 22-25, 2015 Palais des Congress de Paris, France
- Jointly sponsored by AEMA, ARRA, ISSA, PRRA, IBEF, and FP² Inc.
- Organizing and Program committees have been formed

Questions?



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