

# North Central Superpave Center Update

by

Becky McDaniel  
Special Joint Conference  
January 10, 2008  
Springfield, Illinois



# Topics

- Research
- Technology Transfer
- Other Activities
- Outreach
- The NCSC on TV!

# On-Going Research

- Tire-Pavement Noise Studies
  - ◆ *Quiet Pavement Study (FHWA, 6/30/09)*
  - ◆ *Long Term Performance of Porous Friction Course (10/31/08)*
  - ◆ *Field Noise Testing*

# On-Going Research

- Surface Characteristics
  - ◆ *Investigating the Feasibility of Integrating Pavement Friction and Texture Depth Data in PMS (11/30/08)*
  - ◆ *Continued Monitoring of Indiana's SPS-9 Project (12/31/08)*
  - ◆ *NCAT Phase III Research - Risk Management of Low Air Void HMA Mixtures (Proposal development)*

# On-Going Research

## Other

- *Validation of NCAT Structural Test Track Experiment Using APT (>12/31/08)*
- *History of Superpave: Anatomy of a Research Program (Late Spring)*
- *Longitudinal Joints*

# Recently Completed Projects

- *RAP Plant Mixes* (Phase 1, FHWA)
- *Use of the Ignition Oven for Dolomitic Aggregates* (Revision/review of draft final)
- *Identification of Laboratory Techniques to Optimize Superpave HMA Surface Friction Characteristics* (Revision/review of draft final)

# Recently Completed Projects

- Dynamic Modulus Ruggedness Testing (Rutgers)
- Tack Coat Texture Testing (LTRC)
- Seal Coat Permeability and Texture Testing (Foundation for Pavement Preservation)
- RAP Testing (NY contractor)

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# Technology Transfer

- Requests for Information
- Presentations - Kansas Asphalt Paving Conference, Indiana HMA Conference, New York Asphalt Conference, Rocky Mountain UPG, RAP ETG, NAPA Energy Conservation Conference, TRB, AAPT, Rocky Mountain Asphalt Conference (Feb)
- Newsletter - in progress

# http://engineering.purdue.edu/NCSC

The screenshot shows the homepage of the North Central Superpave Center. At the top left is the logo, which consists of a stylized road curve with the text "North Central Superpave Center" inside. To the right of the logo is a large banner image of a winding asphalt road through a green landscape. Below the banner, the word "Home" is visible on the left, and "Affiliates: CSBG M-TRAC NCAUPG" is on the right. Below the banner is a row of six navigation buttons: "About the NCSC" (purple), "Links" (green), "Library" (yellow), "Research Projects" (dark blue), "Services" (magenta), and "News & Calendar" (teal). Each button has a corresponding image below it: a building for "About the NCSC", a metal chain link for "Links", a stack of books for "Library", a magnifying glass for "Research Projects", a microscopic view of asphalt aggregate for "Services", and a rolled-up document for "News & Calendar".

## Welcome

Welcome to the [North Central Superpave Center](http://engineering.purdue.edu/NCSC) (NCSC) website. The NCSC was initiated in 1994 to assist agencies and industry in the North Central region of the country and to continue the development and implementation of the [Superpave](#) system for asphalt binder and mixture design. As the use of Superpave became routine in the region, the focus of the NCSC broadened to address any issue related to hot mix asphalt. Today the NCSC continues to conduct research, provide technical information, assist with testing, participate in equipment/protocol evaluations, contribute to standards development and provide training related to hot mix asphalt and aggregates.

# Other Activities

- Testing
  - ◆ Binder Characterization
  - ◆ SST Data Analysis
  - ◆ RAP Evaluation
  - ◆ Cold Recycling Mix Design Assistance
  - ◆ Friction/Texture Testing
  - ◆ Mix Evaluation/Testing
  - ◆ Noise Testing
- Research Planning, Review, etc.

# Outreach

- Jody Reigel will lead NCSC efforts to reach out to our customers in the region (and beyond)
- Looking for feedback, regional needs.
- Your input would be greatly appreciated.
  - ◆ Research and testing collaborations?
  - ◆ Training needs?
  - ◆ Equipment evaluations?

# Modern Marvels, *Superhighways*, January 28



# More info:

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