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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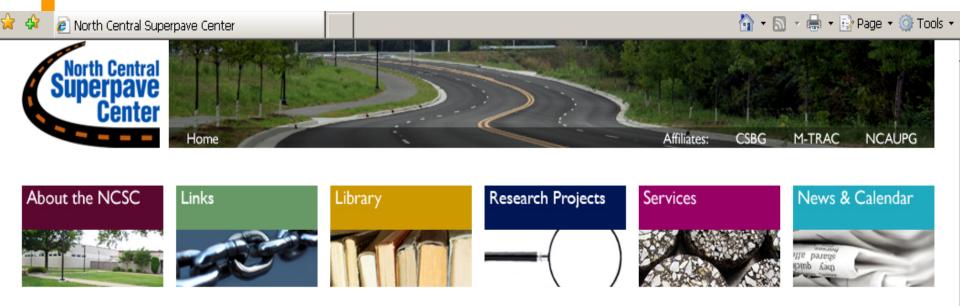


Technology Transfer

- 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



Welcome

Welcome to the North Central Superpave Center (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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