FHWA Mixtures and Construction Expert Task Group Meeting

September 2016
FY 2017 PROJECTS

- **Project 9-61**: Short and Long-term Aging Methods to Accurately Reflect Binder Aging in Different Asphalt Applications
- **Project 9-62**: Quality Assurance and Specifications for In-Place Recycled Pavements Constructed Using Asphalt-Based Recycling Agents
RECENTLY AWARDED PROJECTS

9-60: The Impacts On Pavement Performance From Changes In Asphalt Production

- Propose changes to the current PG asphalt binder specifications and test methods to remedy shortcomings related to incidents of premature failure of asphalt pavements

*Western Research Institute (January 2019)*
RECENTLY AWARDED PROJECTS


- Establish criteria for sample mechanical shaking in AASHTO T 209 that assures measurement of true $G_{mm}$ values.

National Center for Asphalt Technology

(July 2017)
20-07/Task 400: Effect of Elevation on Rolling Thin Film Oven Aging of Asphalt Binders

- Develop a standard method for adjusting RTFO aging times based on laboratory elevation.
20-44(01): Workshop on Increasing WMA Implementation by Leveraging the State-Of-The-Knowledge

- Identify the barriers to implementation of WMA specifications by the state DOTs.
- Establish performance measures for WMA implementation nationwide.
9-56: Identifying Influences on and Minimizing the Variability of Ignition Furnace Correction Factors

- For mixes without lime, conducting T 308 at 800° F reduces correction factors.
- Additional work funded to (1) conduct ruggedness test of T 308 and (2) determine the variability of correction factors for asphalt mixes containing significant RAP and RAS contents.
9-49A: Performance of WMA Technologies: Stage II--Long-Term Field Performance

- Draft final report in review.
- Over the long term—4 to 10 years—WMA and HMA perform equivalently.
RECENT PUBLICATIONS

- NCHRP Research Results Digest 399, Field Validation of Laboratory Tests to Assess Cracking Resistance of Asphalt Mixtures: An Experimental Design
- NCHRP Synthesis 495, Use of Reclaimed Asphalt Pavement and Recycled Asphalt Shingles in Asphalt Mixtures
National Cooperative Highway Research Program

The National Cooperative Highway Research Program (NCHRP) conducts research in problem areas that affect highway planning, design, construction, operation, and maintenance nationwide.

HIGHLIGHTS

- The Announcement of FY 2011 NCHRP Projects contains preliminary descriptions of those new projects expected to be advertised for competitive proposals. Detailed Project Statements (i.e., Requests for Proposals) for the FY 2011 projects will be developed beginning in August 2010. NCHRP is also soliciting panel nominations for these projects, and nominations are due no later than June 4, 2010.
- NCHRP announces its new surface transportation security research projects (under NCHRP Project 20-59).
- In 2008, NCHRP surveyed panel members to learn what they know about the implementation of their research findings and how they would rate the program using four performance factors.
- The Mechanistic-Empirical Pavement Design Guide related documentation, and the latest version of its software are available online for evaluation.
- Unfunded CRP problem statements

Information about NCHRP and other TRB activities is available in the TRB E-Newsletter. The NCHRP is managed by the Cooperative Research Programs of the Transportation Research Board.