FHWA Asphalt Mixture
Expert Task Group Meeting
May 2017
FY 2018 PROJECT

- Project 9-57A: Field Validation of Laboratory Tests to Assess Cracking Resistance of Asphalt Mixtures
9-52A: Short-Term Laboratory Conditioning of Asphalt Mixtures: Field Verification

- Verify short-term laboratory conditioning procedure for asphalt mixtures developed in NCHRP Project 9-52 with field data obtained over an extended service period.

*Texas A&M Transportation Institute (October 2018)*
RECENTLY AWARDED PROJECTS

9-61: Short and Long-Term Aging Methods to Accurately Reflect Binder Aging in Different Asphalt Applications

- Develop practical laboratory aging methods to accurately simulate the short-term (from production to placement) and long-term (in-service) aging of asphalt binders.

Advanced Asphalt Technologies, LLC
(September 2019)
20-07/Task 400: Effect of Elevation on Rolling Thin Film Oven Aging of Asphalt Binders

- Develop a standard method for adjusting RTFO conditioning times based on laboratory elevation above sea level.

*Advanced Asphalt Technologies, LLC (November 2017)*
RECENTLY AWARDED PROJECTS

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.

Myers McCarthy Consulting Engineers, LLC (January 2018)
PROJECTS IN NEGOTIATION

- **9-62**: Quality Assurance and Specifications for In-Place Recycled Pavements Constructed Using Asphalt-Based Recycling Agents
- **20-07/Task 406**: Development of a Framework for Balanced Asphalt Mixture Design
PROJECTS IN NEGOTIATION

9-56A: Identifying Influences on and Minimizing the Variability of Ignition Furnace Correction Factors—Phase II
9-54: Long-Term Aging of Asphalt Mixtures for Performance Testing and Prediction

- Laboratory conditioning protocol based on empirical observations from the tested field sections.
- Conditioning protocol proposes an aging temperature no greater than 95°C.
RECENT PUBLICATIONS

- NCHRP Research Report 837, Performance-Related Specifications for Emulsified Asphaltic Binders Used in Preservation Surface Treatments
- NCHRP Synthesis 495: Use of Reclaimed Asphalt Pavement and Recycled Asphalt Shingles in Asphalt Mixtures
SPRING 2017 PUBLICATIONS

- NCHRP Research Report 847, Variability of Ignition Furnace Correction Factors
- NCHRP Research Report 843, Long-Term Field Performance of Warm Mix Asphalt Technologies
WE NEED PROBLEM STATEMENTS!

- Problem Statements for FY 2019 NCHRP due by 15 October 2017—may be submitted by State DOTs, AASHTO Committees, FHWA.

- Project 20-07 Problem Statements accepted from SCOH Subcommittees at any time—two selections per year.