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

Project 9-57A: Field Validation of Laboratory Tests to Assess Cracking Resistance of Asphalt Mixtures

- Panel meets in November to prepare RFP
FY 2018 PROJECT

Project 20-07/Task 412: Adjustments to the Superpave Volumetric Mixture Design Procedure for Selecting Optimum Asphalt Content

- Panel meets in October to select contractor
RECENTLY AWARDED PROJECTS

9-56A: Identifying Influences on and Minimizing the Variability of Ignition Furnace Correction Factors—Phase II

- Determine variability of asphalt and aggregate correction factors for mixes containing significant RAP content.

National Center for Asphalt Technology (November 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)
9-62: Rapid Tests and Specifications for Construction of Asphalt-Treated Cold Recycled Pavements

- Develop time-critical tests for asphalt-treated CIR, FDR, and CCPR materials for process control and product acceptance that provides a basis for determining when the pavement can be opened to traffic and surfaced.

*Virginia Transportation Research Council (June 2020)*
RECENTLY AWARDED PROJECTS

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)
20-07/Task 406: Development of a Framework for Balanced Asphalt Mixture Design

- Develop a framework that addresses alternate approaches to devise and implement balanced mix design procedures incorporating performance testing and criteria.

National Center for Asphalt Technology
(May 2018)
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)*
RECENT PUBLICATIONS

- NCHRP Research Report 847, Variability of Ignition Furnace Correction Factors
- NCHRP Research Report 843, Long-Term Field Performance of Warm Mix Asphalt Technologies
- NCHRP Research Report 856, Specifying and Measuring Asphalt Pavement Density to Ensure Pavement Performance
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.
HTTP://WWW.TRB.ORG/NCHRP