### NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM

# 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

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)



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 longterm (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)

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)

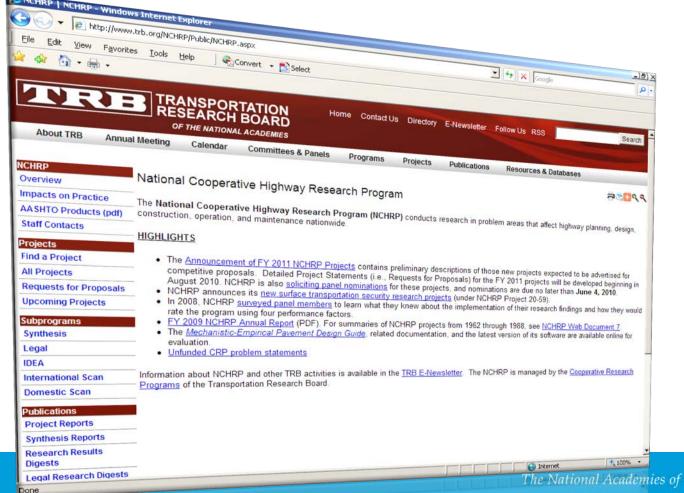
### RECENT PUBLICATIONS

- 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 <u>15 October 2017</u>—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



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