

COMBINED STATE BINDER GROUP AGENDA

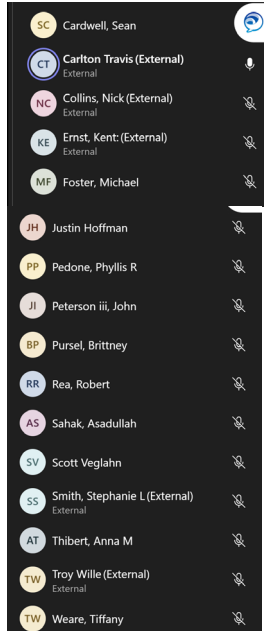
October 25, 2023

MnDOT Training and Conference Center - Shoreview, MN

I. CSBG Members and Suppliers (12:00 pm – 2:30 pm)

A. Welcome and Introductions

CSBG Online Attendees:



CSBG In-person attendees:

Ashley Buss – Iowa DOT
Jon Arjes – Iowa DOT
Ken Williams – Iowa DOT
Maryanne Shzmann – Flint Hills Resources
Jason Guerra – Owens Corning / Trumbull
Terry Kobernusz – Marathon Petroleum
Shea Lemmel – South Dakota DOT
John Olson – MnDOT
Bobby Usher – North Dakota DOT
Jeffery A. Herman – North Dakota DOT
Jason Szondy – MnDOT
Paul Lohmann – MnDOT
Allen Gallistel – MnDOT
Mark Blow – Asphalt Institute
Albert Kilger – WisDOT
Ali Arabzadeh – WisDOT
Danielle Knudtson – Mathy
Andrew Hanz – Mathy
Jason Ralston – Senn Blacktop
John Garrity – MnDOT

B. Questions and concerns with CSBG program

- a. Updates for 2024 Certification Program (open document for viewing)
 - Changes for next year will be listed at the beginning of the document.
 - The definition of modifiers and additives are outlined in the document, are these definitions still working for everyone?
 - Extracted binder is not typically tested for PG grade for additives added in the drum. It should be certified/tested if the material will be stored and shipped as liquid binder.
 - If a supplier modifies binder and stores it in a tank and supplies to someone else or themselves, they are a supplier. If they are consuming the product or modifying inline during production of HMA, they are not a supplier.

- b. Round Robin Update
 - Second sample in progress
 - Due date Friday, November 3.
 - Looking to do the third sample towards the end of 2023
 - Need volunteers for material, both for 2023-3 and spring 2024-1
 - Review of new Microsoft Power BI data report for Round Robins
 - Data from past Round Robins was shared and discussed.

- C. Issues seen in 2023?
 - a. States
 - Few to no issues overall. Some failures that were close to the limits, and a couple that were further out of spec.
 - Are people using the tolerance in the M332 table to accept results?
 - It has generally not been an issue.
 - b. Suppliers

- D. Old Business
 - a. ?

- E. New Business
 - a. Asphalt Institute Update
 - Presentation by Mark Blow RE Asphalt Institute updates.
 - Bob Horan and Wayne Jones retired. Replaced by Jason Wielinski and Grover Allen.
 - Certification programs for paving inspection, binder, and emulsion technicians.
 - Updates to Hot-Mix Asphalt Paving Handbook. To be delivered by mid-2024.
 - Adding relevant information for airports.
 - Long-form information on hot mix plants will not be in new book, will be truncated.
 - b. Recent NCHRP projects – updates
 - Andrew Hanz presented Industry Approach to Evaluate New PG Specifications.
 - A new spec could replace $G^* \sin \delta$ with Glover-Rowe Parameter, R-Value, ΔTC , ΔTF .
 - States are implementing some of these new parameters. Issues with spec differences between states.
 - Changes will take time to evaluate.
 - -Timeline of MSCR Test Implementation (about 20 years with full test method in 2014)
 - NCHRP 9-59
 - NCHRP 9-61
 - It is important for States and Industry to stay current with asphalt binder

research recommendations and jointly review the impacts of proposed specification updates recommended from NCHRP asphalt binder research.

- c. Health, Safety, Environment issues
 - EPD's – what is being seen from states and industry.
 - Mark Blow presented.
 - EPDs are the current state of the art for representing third-party verified environmental impacts of products.
 - Based on ISO standards.
 - LCA – Life Cycle Assessment (eco-accounting). Current focus is cradle to gate.
 - For asphalt binder EPD, used national averages or 1kg of asphalt binder due to many sources not originating in North America.
 - Need to have equivalent functionality (same performance) to compare EPDs. Currently EPDs do not use this – primarily benchmarking process.
 - d. AASHTO PP112 – use of iCCL and other surrogate tests
 - iCCL = Incremental Creep for Cracking at low Temperature.
 - DSR low temperature test that is a surrogate to BBR with correlating results.
 - General agreement that surrogate tests would not be appropriate for acceptance based on the information available at this time. The existing databases and the statistical algorithms used to develop the relationship between the surrogate test results and predicted value of the acceptance test would need to be transparent and understood.
- F. Other / open discussion
- a. Several states are researching 40-hour PAV aging.
 - b. No additional topics.

II. Combined State Binder Group (2:45 pm – 5:00 pm) - CSBG Member States only