

## Wisconsin Department of Transportation

**Date:** November 09, 2023

**Subject:** Agenda for Aggregate Technical Committee Meeting

**Location:** Antigo Conference Room, Truax and Teams Meeting

**Time:** 9:00 AM to 11:00 AM

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### **Attendees:**

#### **WisDOT Members:**

- Barry Paye – BTS Director
- Erik Lyngdal – BTS Chief Materials Engineer
- Tirupan Mandal – BTS Concrete Materials Supervisor
- Adam Albers – BTS Materials Lab Engineer
- Dan Reid – BTS Geologist
- Josh Seaman – BTS Aggregate Specialist
- Mark Kray – BTS Soils and Aggregate Specialist
- Aleksandra Graff – BTS Concrete Engineer
- Adam Johnson – BTS IA Program Coordinator
- Craig Smits – NCR TSS Chief
- Rebecca Rooyackers – NER TSS Supervisor
- Andrew Zimmer – SER TSS Supervisor
- Greg Brecka – SWR PDS Project Manager
- Jaime Cynor – NER Concrete & Aggregate IA/QMP Coordinator
- Orville King – NWR Materials Engineer
- Keena Spencer-Dobson – NWR Materials Engineer
- Wayne Chase – BPD Local Program and Construction Project Oversight Unit

#### **FHWA Members:**

- James Pforr – FHWA Pavement & Materials/Asset Management Engineer

#### **Industry Members:**

- Jack Peterson – Yahara Materials
- Jr Ramthun – Michels Corporation
- Mark Sander – MTE Services, Inc
- Matt Grove – Wisconsin Transportation Builders Association
- Mike Kleist – James Peterson Sons, Inc
- Erin Longmire – Erin Longmire Consulting, LLC
- Jeremy Barron – Walbec Group
- Bruce Brown – USGS subject matter expert

- David Hose – MTE Services, Inc
- Erik Olson – MTE Services, Inc
- Neal Atanasoff – Walbec Group
- Paul Eggen – Westwood
- Jason Weiker – Milestone Materials
- Deb Schwerman – Wisconsin Asphalt Pavement Association
- Kevin McMullen – Wisconsin Concrete Pavement Association
- Leslie Hidde – Wisconsin Concrete Pavement Association
- Paul Minneti – Lannon Stone Products
- Steve Bloedow – Rock Road Companies, Inc.
- Tod Pauly – Aggrecon Ltd
- Travis Kurey – MCC, Inc
- Jeff Peterson – James Peterson & Sons

### Agenda Items:

1. Welcome (T. Mandal)
  
2. MOTP (A. Albers)
  - [Posted online at the QMP page: Wisconsin Department of Transportation Quality management program \(wisconsindot.gov\)](#)
  - WCPA has asked that a link to the document be included on the left menu of the standard spec page.
  - Review and edit schedule for the document was explained. Any changes to the MOTP needs to be done by January.
  
3. Task Force Updates:
  - ASR Testing (T. Mandal)
    - Samples are being processed and becoming available to test.
    - Central lab technician will be getting familiar with the procedure this December and January.
    - Standard specs 501.2.7.3.4 provides a list of geological information for aggregates susceptible to ASR. Changing from this geological description to a list of counties that are susceptible to ASR was approved by the committee. This information will be relayed to the concrete spec re-org task force.
    - The department will investigate petrographic analysis on sources that perform poorly in the expansion testing. This will be discussed further in the task force.
  - MSE Wall Backfill (D. Reid)
    - Partnering with Geocomp.
    - Literature research on MSE backfill testing will be presented to the task force for review.

- No conclusions can be made until the MSE wall backfill deconstruction study is complete, which will guide the task force in their work. Syncing the research with the task force should produce a better result.
  - Quarterly meetings will begin in January.
  - There's another WHRP MSE wall backfill study coming up to be aware of as well.
  - Spec Re-org (A. Albers)
    - Progress
    - Review Comments
      - Documents are going back to the task force to address comments made by the tech team.
    - Inclusion of STSPs
      - Re-org task force will evaluate which STSP's can be brought into the spec, and where they may fit.
4. ASP-6 Updates (T. Mandal)
- Document was posted online and was presented to the committee.
5. Base Aggregate – Small Quantity QC Testing (T. Mandal)
- 730.3.4.1 presented with newest changes to small quantity testing requirements.
  - What happens when the quantities increase during placement?
    - Suggestion: You can ask for a stockpile test if there wasn't one taken already.
    - Suggestion: Include language allowing the engineer to request an additional test to handle the partial lot.
  - Industry wants to avoid the situation where there's a non-conformance because of a missing test because of overrun.
  - **Action Item:** T. Mandal will discuss with J. Pforr whether to include any language for this issue in the specs.
6. Aggregate Round Robin (A. Albers)
- FT for recycled concrete
    - Recycled concrete samples are ready and will be available for pickup once the department has the quality round robin samples available as well.
    - The round robin and within/outside project limit data gathering will continue to inform the department's decisions.
    - The department will monitor procedure and equipment with intense accuracy during this round robin and document as much as possible to capture all variables.
7. Aggregate Classifications: 301.2.4.2 (M. Kleist and M. Grove)
- NC region project example:
    - Trying to make blended 1.25" base. Through course of the project, they were told they were using too much crushed stone (>20% crushed stone). Quality tests on all the components were good, material overall was good.

- Onsite crushing and blending operation. Blend included HMA, PCC, virgin, base mix.
  - Load counts were used to determine how much very accurately of each component were included in the mix.
  - Subcommittee is already working on this issue and will work out a solution and bring it back to the tech team.
  - **Action Item:** E. Lyngdal will consult with BPD on this issue.
8. Next meetings.
- Subcommittee: January 23<sup>rd</sup>, 2024
  - Tech Team: February 7<sup>th</sup>, 2024