

## Wisconsin Department of Transportation

**Date:** August 14, 2024

**Subject:** Agenda for Aggregate Subcommittee Meeting

**Location:** Galena Conference Room, Truax and Teams

**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 Unit Supervisor
- ☒ Adam Albers – BTS Lab and Aggregate Engineer
- ☒ Dan Reid – BTS Geologist
- ☒ Josh Seaman – BTS Aggregate Specialist
- ☒ Mark Kray – BTS Soils and Aggregate Specialist
- ☒ Joe Jeruc – BTS Lab Specialist
- ☒ Jamie Cynor – NER Concrete & Aggregate IA/QMP Coordinator
- ☐ Chad Hayes – BPD Construction Oversight 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

#### Guests:

- ☐ Jeff Peterson – James Peterson Sons, Inc

## Agenda Items:

1. Welcome – T. Mandal (5 min)
2. MOTP Updates – A. Albers (10 min)
3. Task Force Updates – T. Mandal/ D. Reid (10 min)
  - ASR Testing
    - Collected 46 samples, have tested 23. Some have failed but the majority have passed.
    - Once all the testing is complete the task force will convene again to discuss specifications.
    - Dan Reid and team to categorize the specific geology of the samples.
  - MSE Wall Backfill
    - Next meeting will be in September sometime.
    - The research team has highlighted significant issues with corrosion of the straps. Chloride and salt brine penetration is thought to be the major factor affecting corrosion.
    - The research team will present their find at the Midwest Geotechnical Conference (16-18 September 2024), and to the WisDOT task force.
4. Aggregate Spec Re-org Updates – A. Albers (20 min)
  - Pilots in May 2025 with an entire spec book with the reorganized sections.
  - Other projects will still use the regular published spec book.
  - After the pilots we will assess any feedback and scale up the reorganized spec from there.
  - Current draft of the reorganized spec has undergone some structural changes to align the document with the concrete and HMA specs so we have a harmonized chapter 7.
  - BTS will send the draft to the agg tech team for review on Monday August 19<sup>th</sup> for a one week review.
5. Update/Redefine Material Categories – All (20 min)
  - Once the spec drafts are completed, BTS will work on brainstorming and drafting language about updating these categories.
  - Notes from the May 8<sup>th</sup> meeting have useful suggestions worth pursuing.
  - Mike Kleist will send some ideas/thoughts from Peterson that they've assembled.
6. Recycled Concrete F/T Update – A. Albers (10 min)
  - Repeatability study with Westwood underway. BTS will present the findings of this when it is complete.
7. State-wide F/T testing – BTS (10 min)

- Explore the sources that failed SSS, but would have passed F/T. The inverse of the analysis we already did.
  - Also, how to quantify the SSS failures from internal QC that didn't even get submitted. This may be too difficult to do and may not be very helpful.
  - Survey from AASHTO COMP submitted by other states agreed that WisDOT should write the updated AASHTO T103 standard to align with the WisDOT WTM T103.
    - i. WisDOT will release the memo to update the aggregate producers (APW).
  - Consider producers that may be isolated in a county that currently doesn't require freeze/thaw and how they may be affected by a policy change.
  - According to the current qualified labs list, 5 labs are qualified for T104 without be qualified for T103.
8.  $\frac{3}{4}$  clean as replacement for open graded base – M. Sander (10 min)
- Seeking clarification on the AASHTO 67 gradation in the next spec book in February that will not have the 1.5 spec limit on the 200.
9. Use of virgin aggregate on top of RAP – JR Ramthun (5 min)
- This topic will remain on the agenda for subsequent meetings.
  - Consider scarifying and uncompacting as a method for allowing this.
  - Peterson has done perm tests comparing asphalt and backfill that showed they are comparable. Mike Kleist will try to dig up this data and share it with the committee.
10. Lucky strike 1: AASHTO and CCRL inspection for accredited labs will soon combine efforts so that there is a single inspection.
11. Lucky Strike 2: update on e-ticketing.
- Currently no e-ticketing for aggregates. Only surface materials.
  - The focus for aggregates right now is education and identifying the value.
12. Next Meeting
- Full Committee Meeting
    - September 23, 2024: 1 PM to 4 PM
  - Subcommittee Meeting
    - November 4<sup>th</sup>, 2024: 9AM to Noon