

Wisconsin Department of Transportation

Date: February 4, 2026

Subject: Meeting minutes for Aggregate Subcommittee Meeting

Location: MS Teams Meeting and Red Granite Conference Room, Truax

Time: 9:00 AM to 10:30 AM

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
- Jeffrey Bruesewitz – BTS Geologist
- Josh Seaman – BTS Aggregate Specialist
- Mark Kray – BTS Soils and Aggregate Specialist
- Carson Walch – BTS Lab and Field 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:

- Michelle Gehrke – Transportation Engineer

Industry Members:

- JR Ramthun – Michels Corporation
- Mark Sander – MTE Services, Inc
- Erik Olson – MTE Services, Inc
- Matt Grove – Wisconsin Transportation Builders Association
- Erin Longmire – Erin Longmire Consulting, LLC
- Brian Wipf – James Peterson Sons, Inc
- Jack Peterson – Walbec Group
- Dustin Tourdot – Yahara Materials
- Kevin Stuart – Yahara Materials

Agenda Items:

1. Welcome – T. Mandal (5 min)
 - Michelle Gehrke – FHWA
2. MOTP Updates – A. Albers (5 min)
 - No updates for aggregate related test procedures currently.
 - Reminder to the committee that the deadline to submit test procedure revisions is **August 1st**.
3. Task Force Updates – T. Mandal/ J. Bruesewitz (10 min)
 - ASR Testing
 - Testing will continue into summer/fall before the task force will resume.
 - MSE Wall Backfill
 - Internal WisDOT meetings are planned to discuss the findings before bringing recommendations to the subcommittee.
4. Priorities – T. Mandal/ A. Albers (15 min)
 - Update/Redefine Material Categories
 - Related issue: Deleterious phyllite sources and spec limits and a method to control its use.
 - A. Albers presented an initial draft with the material categories that was written using the spec re-org document. This draft will be shared with the subcommittee along with the meeting minutes for the subcommittee's review.
 - **Action Item:** Review the draft language by February 28, 2026 and send any comments you have to A. Albers and T. Mandal. Based on the comments, separate meetings may be scheduled to have a draft to review at the next subcommittee meeting.
 - E. Olson and M. Sander presented some phyllite testing that they did. TSR tests were done at 10%, 30%, and 100% replacement (by weight). Some aggregates with 2-3% phyllite were rejected by the engineer.
 - Recycled Concrete F/T
 - BTS will provide an update on this topic in the next subcommittee meeting.
 - Placing Virgin Aggregate on Top of RAP
 - Backfill Spec Revisions – M. Sander
 - Per the current spec, ¾ base is an approved substitute for granular/foundation backfill around pipes.
 - Discuss allowing ¾ base as an acceptable substitute for granular backfill in any circumstance.
5. Slope Paving Aggregate Testing – A. Albers (10 min)

- SS 604.2 (3): conforming to coarse concrete aggregate size No.2, at least 75 percent, at least one fractured face. CMM 850 doesn't specify sampling and testing frequency for fractured faces.
 - A single production test record with gradation and fracture is all that is required. The #200 spec limit of 1.5 may be removed if data analysis of past project data supports the adjustment.
 - **Past Action Item:** M. Grove will investigate past slope paving projects from a contractor perspective to report their testing information and practices. BTS will ask the materials engineers on the department side.
 - Based on the discussions, it was proposed to have one production test per contract for each bid item.
 - Agenda item is now completed and will be removed.
6. Reclaimed Asphalt in Dense Base – A. Albers (5 min)
- Spec 305.2.2.2
 - **Past Action Item:** BTS will ask internally what impact overly fine reclaimed asphalt has on the performance of the intended use and learn more about the frequency of seeing the issue.
 - Based on the discussions, it was determined that there isn't enough data supporting any action to be taken at this time.
 - Agenda item is now completed and will be removed.
7. Quality Testing on Processed Salvaged Concrete – B. Wipf (15 min)
- Spec 301.2.4.5 (2)
 - **Past Action Item:** BTS will investigate CMM guidance about how/when to communicate chain of custody information and logistical coordination with project staff.
 - Proposed CMM Guidance in 834.1.1:
“There are no testing requirements for LA wear and freeze/thaw on crushed concrete and reprocessed material taken from within the project limits (i.e., spatial constraints within which a contractor is permitted to work for that specific project). When the chain of custody of the material is determined to be broken, testing requirements per 301.2.4.5 shall apply. For example, when the material is removed from within the project limits to a nearby site for processing and this material is intended to be used for the same project it was taken from, the engineer shall direct the contractor to test the material per 301.2.4.5.”
 - Consider removing the example in this paragraph because it doesn't reinforce the engineer's discretion for a case-by-case approach.
 - **Action Item:** Review the above CMM guidance by the next subcommittee meeting.
8. Pipe Underdrain Backfill Open Grade – A. Albers (15 min)

- Does the OGBC require QMP 730 for pipe underdrain backfill?
 - The standard detail for pipe underdrain construction allows the use of open-graded base, even though the SS-614 specifies the use of granular backfill.
 - BTS will investigate this to see if a change to either document is required. Two potential outcomes to discuss with internally:
 - Follow QMP for open graded base used in pipe backfill.
 - Create an exemption for non-QMP and require a CRT.
 - Agenda item is now completed and will be removed.

9. Base Dense Aggregate – JR Ramthun (15 min)

- If it is 3” below, run it all the way to the slope. Top 3” of the slope should be ¾” of 1 ¼”.
- SS says: “Always use 3/4-inch to match the thickness of the paved shoulder in the unpaved portion of the shoulder and on exposed shoulder foreslopes.” This contradicts with the FDM.
- BTS discussed this internally and will move this to the full aggregate technical committee for review and updating the FDM.

10. Aggregate Round Robin – A. Albers (10 min)

- Review of the 2026 aggregate quality round robin was presented. Results and outlier analysis will be sent to participants shortly.

11. Next Meeting

- Full Committee Meeting

2026	
February 18, 2026	9:00 am to 12:00 pm
June 10, 2026	9:00 am to 12:00 pm
October 14, 2026	9:00 am to 12:00 pm

- Subcommittee Meeting
 - Next Meeting:
 - Wednesday, May 20th, 2026