



May 15, 2025

Meeting Minutes – Concrete Technical Committee

Location: MS Teams and State Patrol Conference Room, Truax Office, Madison
Date: May 15, 2025
Time: 9:00 AM to 12:00 PM

Attendance

Bureau of Technical Services (BTS):

- ☐ Barry Paye – Director
- ☒ Erik Lyngdal – Chief Materials and Pavements Engineer
- ☒ Tirupan Mandal – Concrete Materials Unit Supervisor
- ☒ Peter Kemp – Pavement Unit Supervisor
- ☒ Aleksandra Graff – Concrete Engineer
- ☒ Adam Albers – Concrete Materials Lab Engineer
- ☒ Adam Johnson – Independent Assurance Program Coordinator
- ☐ Etienne Nkongolo – Concrete Engineer Consultant (Behnke Materials)
- ☒ Jeff Bruesewitz – Geologist

Bureau of Project Development (BPD):

- ☐ Mark Zander – Construction Standards Engineer
- ☐ Craig Pringle – Construction Oversight Engineer

Bureau of Structures (BOS):

- ☐ Aaron Bonk – Chief Structures Design Engineer

Bureau of Aeronautics (BOA):

- ☐ Lucas Ward – Chief Airport Construction Standards

Regional Representatives:

- ☐ Vacant – NE Region TSS Chief – Management Liaison
- ☒ Travis Mikshowsky – SW TSS Supervisor – TSS Liaison
- ☐ Matt Smith – SW Region Independent Assurance
- ☒ Bryton Meyer – SW Region Soils and Materials Engineer
- ☒ Nicole Roberts – SE Region Materials Engineer
- ☐ Eric D Hanson – SE Freeways Project Manager
- ☒ Brent Ferguson – NC Region Independent Assurance
- ☒ Devin Harings – NW Region Pavement Engineer
- ☒ Matt Bertucci – NE Region Pavement Engineer

FHWA Members –

- ☐ Vacant



Industry Members –

- ☒ Sam Martinez – American Council of Engineering Companies Liaison
- ☐ Connor McMahon – A.W. Oakes
- ☒ Jason Andrews – A.W. Oakes
- ☐ Brian Luchene – BARD Materials
- ☐ Signe Reichelt – Behnke Materials
- ☐ Paul Mathe – Carew Concrete
- ☒ Barry Bohman – Chippewa Concrete Services
- ☐ David Meyer – Continental Cement Company
- ☐ Nicholas Bowers – Continental Cement Company
- ☐ Dave Stanke – Kraemer North America
- ☐ Brian Borowski – Lafarge/Holcim
- ☐ Mark LaLonde – LaLonde Contractors
- ☐ Brad Diener – Lunda Construction
- ☐ John McConahy – Mapei
- ☐ Tim Hendrickson – MCC Inc
- ☒ Travis Kurey – MCC Inc
- ☒ Scott Grams – Michels Road & Stone
- ☐ Tom Ptaschinski – Ptaschinski Construction Company
- ☒ Anna Romenesko – Sommers Construction
- ☒ James Palmer – St. Mary's Cement Company
- ☒ Benny Walker – Todds Redi-Mix Concrete
- ☒ Kevin Newmier – Trierweiler Construction Company
- ☐ Heath Schopf – Vinton Construction Company
- ☐ Jackie Spoor – Wisconsin Concrete Pavement Association
- ☒ Leslie Ashauer – Wisconsin Concrete Pavement Association
- ☒ Cherish Schwenn – Wisconsin Ready Mixed Concrete Association
- ☒ Matt Grove – Wisconsin Transportation Builders Association
- ☒ Andrea Breen – Zignego Ready Mix
- ☒ Jeff Zignego – Zignego Company

Resource Members (as needed) –

- ☒ Brian Boothby – BPD Construction Oversight and Automation Chief
- ☐ Laura Shadewald – BOS Structures Development Chief
- ☐ Myungook (MK) Kang – BTS Quality Assurance Supervisor
- ☒ Linette Rizo – BTS Quality Assurance and Sustainability Engineer
- ☒ Chad Hayes – BPD Construction Oversight Engineer
- ☒ Zach Dittberner – Michels Road & Stone
- ☒ Matt Trierweiler – Trierweiler Construction Company
- ☐ Tom Sand – Vinton Concrete Construction

Guests –

- ☒ Michael Dickey – BTS New Products Engineer
- ☒ Nick Perna – FHWA



Agenda Items

1. Welcome and Introductions – T. Mandal (5 min)

- Incomings:
 - Connor McMahon – A.W. Oakes
 - Jason Andrews – A.W. Oakes
 - Tim Hendrickson – MCC Inc
 - Travis Kurey – MCC Inc
 - Kevin Newmier – Trierweiler Construction Company
- Outgoings:
 - Ed Anastas – A.W. Oakes
 - James Pforr – FHWA

2. MOTP – A. Albers (5 min)

- The deadline for submitting updates or changes to the MOTP is August 1, 2025. Send any proposed modifications to A. Albers before the deadline.

3. WHRP Research Updates – T. Mandal/ A. Graff (15 min)

- Chemistry and Performance of SCMs for Wisconsin Concrete Pavement
 - Project completed. Final report link:
<https://wisconsindot.gov/documents2/research/0092-23-03-final-report.pdf>
- Alternative Conditioning Method to Calculate Formation Factor for Wisconsin Concrete Pavement
 - Project on scheduled to be completed by end of 2025.
- Proactive Prevention of Pavement Buckling
 - Regular Project Oversight Committee (POC) meetings are held to monitor project's progress.
- Optimization of Dowel Bars in Concrete Pavements
 - Preparations for full-scale field testing are currently underway for this summer.
 - Pavement slabs with different dowel bar configurations will be constructed.
- Evaluation of Ride Quality and Tining/Finishing Practices for Concrete Pavements
 - The project will be starting on August 1, 2025.
- Evaluating Water-Cementitious Material Ratio (w/cm) as Acceptance Parameter for Freshly Placed Concrete
 - The project will be starting on October 1, 2025. The w/cm ratio will be evaluated for pavements, structures, and barriers.



4. Task Force Updates – A. Graff (15 min)

- Fast Track
 - The task force has met to establish goals for 2025. Smaller subgroups were selected to work on specific tasks.
 - The focus of the task force will be on the development of fast track mixes to replace SHES, creating new DT form for HES/SHES mixtures, revising spec language, and drafting CMM/FDM guidance.
- Concrete Strength
 - The second meeting is scheduled for the week of May 19th.
 - Smaller beams and cylinders will be evaluated and WisDOT field testing matrix for correlation will be completed.
 - 56-day strength evaluation and unit weight were recommended as a part of the shadow testing.
- Task Forces on Hold:
 - Curb Shear
 - Buckling Research
 - PEM Research

5. PCC Ride Subcommittee Meeting – M. Kang/ L. Rizos (5 min)

- A survey was sent to schedule the next meeting.
- The next meeting will focus on design specifics with PDS staff in attendance.

6. Approved Product List (APL) – T. Mandal (15 min)

- The APL for concrete-related products was moved from prequalified to the qualified products list. Projects let prior to April 15, 2015 will use the archive list.
- Vertical and overhead repair material APL has been added but the language in the specification has not been implemented yet.
- Horizontal rapid patch material has been renamed and 416 standard specs will have language in the fall ASP-6 to support it.

7. Missed Test Memo – T. Mandal (20 min)

- <https://wisconsindot.gov/pages/doing-bus/eng-consultants/cnslt-rsrces/qmp/default.aspx>
- <https://wisconsindot.gov/Pages/doing-bus/contractors/hcci/default.aspx>
- The QV missed test memo was reviewed. The non-performance credit is to cover only the cost of the testing.
- Memo was created as a deliverable for the FHWA QA review and to ensure compliance with CFR.

- The memo is effective with the May 13th letting. To avoid the need for follow-up testing, material placement notification (MPN) is encouraged to prevent any missed QV tests.

8. Standard Spec and CMM Changes – T. Mandal (20 min)

- ASP-6 incorporating the spec changes will be published in fall 2025.
- CMM changes will be published in spring 2025.
- Final versions sent to the CTC.
- Summary of changes:

Standard Specs		
415	415.3.16.4.1.2	MITScan measurement language from 2022 ASP6
416	416.2.1(3)	Changes to using accelerators
	416.2.4.1(4)	Connecting horizontal rapid set patch material to APL
509	509.2	Added language connecting grout and vertical and overhead repair material to APL
710	710.3	Corrected PCCTEC-I, PCC MDC certification language added
	710.4(2)-bullet 3	Added OD SG. Removed agg records of 2 years
	710.4(2)-bullet 5	Added HES information
	710.4(4)	Mix design modification notification and approval
	710.4(5)	Mix design modification levels tables
	710.4(6)	HES information
	710.4(7)	HES information
	710.5.6.2.1	Aggregate gradation testing frequency (QC)
	710.5.6.3	Aggregate gradation testing frequency (QV)
	710.5.7	Added limits for OAG; Corrective action for aggregate gradation
715	715.3.1.2.1	Mix design change link
	715.3.1.2.3	Change sublots from 3 to 4
	715.3.2.1	Deleted strength evaluation - was moved to MOTP WTM T22 and WTM T97
	715.5.1(4)	Updated super vs sub strength requirements
	715.5.1(8)	Added language for highest strength for pay
	715.5.1(9)	Added price adjustment to a given quantity
	715.5.4	Pay adjustments
716	716.2.1(2)	Changed casting cylinders from 2 to 3
	716.2.2(1)	Added DT form page instead of cert of compliance
CMM		
424	424.1	Recording for inspection
	424.2	Recording for inspection
	424.4	Spelling error fixed
	424.8	Rain-Damaged Pavement
	424.9	Opening to traffic value
	424.1	Fixed link
810	810.5.1.5	Aggregate gradation credits
835	835.1.2	HES cement quantity
	835.2	Spelling error fixed
	835.2.1.3	Department concrete mix design review
	835.4.3	Small quantity aggregate moisture



	835.7	Fixed link
	835.8	CMM Guidance for MPN
870	870.2.1.1	Fixed link
	870.2.1.3.2.2	Aggregate testing
	870.2.1.3.3.5	Grammatical
	870.2.1.4	Admixtures
	870.3.2	Concrete plant inspection
	870.4.2	Cement APL
	870.4.3.1.2	Price reduction link
	870.4.6	Strength results
	870.4.7.1.1.6	MITScan Measurements
871	Multiple sections	Mix Design changes/modifications

9. PWL and F-and t- test SPV – T. Mandal (5 min)

- New PWL equations, along with F- and t- tests for comparing contractor and department test results, as well as dispute resolution language, will be incorporated as a separate 715 special provision instead of being included in the HPC pavements and structures SPV.
- This special is currently being drafted by BTS and will be shared with CTC in June.
- The selection of projects for using this specials will occur at a later date.

10. Type IL(HE) Cement – J. Palmer/T. Mandal (20 min)

- The Charlevoix (MI) and St. Mary's (WI) plants are transitioning their operations to produce Type IL(HE) cement.
- The fast track TF will assess the application of Type IL(HE) and will draft specification language should it be incorporated in WisDOT projects.

Upcoming Meetings

2025		
August 14, 2025	9:00 am to 12:00 pm	CTC
September, 2025		National Concrete Consortium
November 13, 2025	9:00 am to 12:00 pm	CTC