



November 17, 2022

Meeting Minutes – Concrete Technical Committee

Location: Teams Meeting
Date: November 17, 2022
Time: 9:00 am to 12:00 pm

Attendance

Committee Members:

WisDOT Members –

Bureau of Technical Services (BTS):

- Barry Paye – Director
- Erik Lyngdal – Chief Materials Engineer
- Jim Parry – Quality Assurance Supervisor
- Leslie Hidde – Concrete Quality Assurance Engineer
- Deb Bischoff – QMP Engineer
- Peter Kemp – Pavement Unit Supervisor
- Ali Arabzadeh – Pavement Policy and Research Engineer
- Adam Johnson – Independent Assurance Program Coordinator
- Mark Finnell – Concrete Engineer Consultant (Behnke Materials)
- Signe Reichelt – Test Procedure Manual Consultant (Behnke Materials)

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:

- Alan Rommel – NE Region TSS Chief – Management Liaison
- Travis Mikshowsky – SW TSS Supervisor – TSS Liaison
- Paulo Florio – SW Region Soils & Materials Engineer
- Matt Smith – SW Region Independent Assurance
- Kurt Flierl – SE Region Construction Project Manager
- Vacant* – SE Freeways Design/Construction Interface Engineer
- Brent Ferguson – NC Region Independent Assurance
- Devin Harings – NW Region Pavement Engineer
- Matt Bertucci – NE Region Pavement Engineer

FHWA Members –

- James Pforr – Pavement & Materials/Asset Management Engineer



Industry Members –

- Vacant* – American Council of Engineering Companies Liaison
- Ed Anastas – A.W. Oakes
- Eric Glendenning – BARD Materials
- Paul Mathe – Carew Concrete
- Barry Bohman – Chippewa Concrete Services
- David Meyer – Continental Cement Company
- Dave Stanke – Kraemer North America
- Brian Borowski – Lafarge/Holcim
- Mark LaLonde – LaLonde Contractors – *Sub Eric Schmeling*
- John McConahy – Mapei
- Scott Grams – Michels Road & Stone
- Tom Ptaschinski – Ptaschinski Construction Company
- James Palmer – St. Mary's Cement Company
- Benny Walker – Todds Redi-Mix Concrete
- Mike Hammitt – Trierweiler Construction Company
- Heath Schopf – Vinton Construction Company
- Jackie Spoor – Wisconsin Concrete Pavement Association
- Kevin McMullen – Wisconsin Concrete Pavement Association
- Cherish Schwenn – Wisconsin Ready Mixed Concrete Association
- Matt Grove – Wisconsin Transportation Builders Association
- Brad Diener – Zenith Tech
- Andrea Breen – Zignego Ready Mix

Resource Members (as needed) –

- Tirupan Mandal – BTS Concrete Lab Supervisor – Aggregate Tech Committee Chair
- Brandon Lamers – BPD Construction Oversight, Standards, & Local Program Chief
- Chad Hayes – BPD Construction Oversight Engineer
- Adam Albers – BTS Concrete Materials Lab Coordinator
- Zach Dittberner – Michels Road & Stone
- Tony Zignego – Zignego Company

Guest(s) –

- Tom Sand – Vinton Concrete Construction

Agenda Items

1. Welcome and Introductions – L Hidde (~5 min)
 - a. Review etiquette during virtual meeting
 - b. Recording of Meeting
 - c. **Guests need to be communicated to the CTC Chair PRIOR to the meeting.**
2. Review and Finalize Minutes – L Hidde (~5 min)
 - a. August 11, 2022 – **APPROVED AS WRITTEN**
3. Review of Action Items – L Hidde (~10 min)
4. Technical Committee Charter – L Hidde (~10 min)



- a. Located in BOX: <https://wisdot.box.com/s/olukb4ylw6f857605s6p6flrl22vdplp>
- b. Review charter and send comments to Leslie by November 30.

5. Task Force Updates (~50 min)

- a. Fast Track – M Finnell / K McMullen / J Spoor / L Hidde

- i. Materials & Constructability

1. Maturity Curve – not relying on maturity for means of acceptance is being discussed.
 2. Discussion on removing prescriptive mixes.
 3. CCAW discussion on how Repair/Replacement items are paid.

- ii. Education

1. Merging in with Spec/CMM/FDM group for the near future
 2. Educating on updates as they are approved/implemented
 - a. Listserv is primary source at this time.
 - b. Industry receives newsletters/emails/phone calls as appropriate.
 - c. Larger training will be planned and held when the major changes are implemented.

- iii. Spec / CMM / FDM

1. Making SS 416 only for Concrete Repair/Replacement
 2. The following are proposed changes to the 2024 SS:
 - a. SS 415: Added Truck Aprons –Now Class I
 - b. SS 416: Moved out Surface Drains, Truck Aprons, Driveways, Rumble Strips
 - c. SS 601: Added crack language (moved out of SS 416)
 - d. SS 602: Added Surface Drains, Driveway, Rumble Strips

- b. Curb Shear – K McMullen

- i. Proceeding with recommending the following:

1. Extend felt 1” below adjacent concrete (2024 spec)
 2. Discouraging use of Bricks in medians (May 2024 FDM)
 3. Add back of curb expansion material – still discussing width
 4. Defining a different expansion material in certain circumstances (2024 spec)
 - a. Nomaflex / X-Foam

- ii. Contractor discussion from CTC meeting:

1. Nomaflex has a concern with volume stability in the heat of the summer.



- c. Consider Elimination of for DT1926: Automatic controls and tolerance record for Portland Cement Concrete Plants – S Grams
- d. IRI Committee – S Grams
 - i. Contractor Concerns:
 - 1. Concrete pavement repair transitioning to concrete pavement
 - 2. New pavement adjacent to existing pavement
 - ii. D Bischoff is the lead in setting up a committee for IRI Ride.
- e. Cold Weather Spec – K McMullen
 - i. Contractor Concerns:
 - 1. Contract timelines are not being considered in design for cold weather (October 15 thru May 15)
 - 2. Delays in project schedule not due to contractor(s) pushing to cold weather.

Action Items – CURRENT

- 1. CTC Charter – Review and provide comments to Leslie by November 30 – Everyone
- 2. Finalized Charter to CTC – L Hidde (December 2022)
- 3. Proposed 2024 Spec changes to CTC – L Hidde (December 2022)
- 4. Buckling Research TF Membership Finalized – L Hidde (December 2022)
- 5. PEM Research TF Membership Finalized – M Finnell (January 2023)
- 6. Review DT1926 and consider elimination – L Hidde (January 2023)
- 7. Rumble Strip spec & details to CTC – M Zander (December 2022) – COMPLETE
 - a. Located in BOX: <https://wisdot.box.com/s/p06625rjb4fsd95cq7d6z3hk2a51kel8>

Action Items – OLD

- 1. CMM Updates – L Hidde / M Finnell (August 2022) – COMPLETE
- 2. Proposed CMM Updates to CTC – L Hidde – COMPLETE
- 3. Task Force Membership – L Hidde – COMPLETE
 - a. Documented in CTC Charter

Action Items – Long Term

- 1. Concrete Strength Task Force – L Hidde / M Finnell – ON HOLD UNTIL WHRP Study Complete

Action Items – Sent to other Groups

- 1. IRI Committee Formation – J Parry / E Lyngdal

Inter-Workgroup Topics

- 1. Cold Weather Paving – B Lamers / E Lyngdal
- 2. Concrete Payment Unit – B Lamers / E Lyngdal



Upcoming Meetings

2022		
November 17, 2022	9:00 am to 12:00 pm	CTC
November 28, 2022	9:00 am to 11:00 am	TF: Curb Shear
December 15, 2022	8:30 am to 10:00 am	TF: Structure Aggregate
December 16, 2022	8:00 am to 10:00 am	TF: Fast Track
January 6, 2023	8:00 am to 10:00 am	TF: Fast Track
January 8-12, 2023		TRB
January 12-13, 2023		WRMCA
January 19-20, 2023		WTBA Contractor/Engineer Conference
January 23, 2022	9:00 am to 11:00 am	TF: Curb Shear
January 26, 2023*	9:00 am to 12:00 pm	CTC (Hybrid Meeting)
February 8-10, 2023		WCPA Annual Conference
February 17, 2023	8:00 am to 10:00 am	TF: Fast Track
February 27, 2023	9:00 am to 11:00 am	TF: Curb Shear
March 17, 2023	8:00 am to 10:00 am	TF: Fast Track
March 27, 2023	9:00 am to 11:00 am	TF: Curb Shear
April 10-13, 2023		National Concrete Consortium
April 20, 2023*	9:00 am to 12:00 pm	CTC
July 13, 2023	9:00 am to 12:00 pm	CPTC
November 16, 2023	9:00 am to 12:00 pm	CPTC

*Moving meeting to avoid conferences that BTS/Industry is attending.