

TEAM CHARTER

Concrete Technical Committee

2024-2026

Team Purpose: The Concrete Technical Committee's (CTC) purpose is to bring together the stakeholders in the Wisconsin concrete community to identify and resolve statewide concrete pavement, ancillary, and bridge construction issues; identify and create improvements to the concrete construction program; and share new initiatives with industry and stakeholders. This committee does not intervene on individual project issues, that is the role of the construction administrative staff. The focus of the CTC is broader statewide policy and programs.

Products of the meeting include:

- Improved quality of concrete in various applications statewide by communicating and advancing concrete design, construction, and material best practices.
- Improved communication of concrete performance related issues by monitoring, tracking, and discussing such issues in full committee (or task force). Determine communication process to share with industry to mitigate future occurrences of performance issues.
- Improved industry's understanding of the expectations of the department related to concrete construction (specifications, details, and methods).
- Improved understanding of concrete specification changes impact on all areas of industry.
- Improvements and clarifications to specifications and construction details.
- Reduction in contract administration claims resulting from industry having better understanding of department expectations.

Duration and Time Commitment: The CTC typically meets three to four times a year (typically January, May, August, November), provided there are enough agenda items for a meeting. The meetings are held in a hybrid format, with one meeting each calendar year being exclusively in-person. Each meeting is scheduled for three hours and is typically the Thursday after the monthly letting.

Liaison/Member Committee Membership: CTC membership encompasses a representative from the different facets that are impacted by concrete construction and materials. Individuals can request to become a member of the CTC by submitting a written request to the CTC Chair. Requests will be reviewed according to current technical needs and size of CTC membership. Annually, the CTC chair will review participation of the members and suggest changes to the membership based on employment role, attendance, and technical needs.

Liaison/Member Expectations: Members of the CTC are expected to actively participate in the full group meetings. Members will share information presented at the meetings with counterparts/colleagues/company departments on a quarterly basis. Members will solicit for comments/feedback/concerns from non-CTC members and bring the information to the CTC for discussion. Active Task Force participation is expected either from the liaison/member themselves or another appointed representative; current CTC members will suggest competent and knowledgeable individuals for participation in task forces.

Member Names and Organization: (Updated: 01/2025)

	Team Role	Agency / Organization	Specifics
Tirupan Mandal and Aleksandra Graff	Co-chairs	Wisconsin DOT – BTS	Assemble agenda, Schedule meetings, facilitate meeting, track follow-up and resolutions of issues. Serve as subject matter expert and guide policy development.
Matt Grove	Industry representative	WTBA representative	WTBA is our outreach representative to WTBA contractors.
Jackie Spoor and Leslie Ashauer	Industry representative	WCPA representative	WCPA is our outreach representative to the concrete paving industry.
Cherish Schwenn	Industry representative	WRMCA representative	WRMCA is our outreach representative to the ready mix industry.
Sam Martinez	Industry representative	ACEC representative	ACEC is our outreach representative to the consultant industry.
James Pforr	FHWA Wisconsin Division	FHWA Wisconsin Division representative	FHWA monitors the Wisconsin concrete program.
WisDOT Bureau Staff	Technical Experts & Bureau Liaison	Various statewide bureaus including BPD, BTS, BOS, and BOA (as needed based on agenda items)	WisDOT business area experts in specifications, materials, contract administration, policy, and standards. Individuals are responsible for communicating CTC information to their given Bureau colleagues.
WisDOT Regional DOT Staff	Technical Experts & Region Liaison	WisDOT construction & materials	Expertise and insight to various concrete related needs and issues. Responsible for communicating CTC information to their respective region colleagues (TSS, PDS, and SPO areas).
Industry members (Distribution list attached)	Contractors, suppliers, fabricators, and engineering consultants	Various	Industry representatives and contributors to agenda content and sub-committee participation.

Issue and Improvement Identification:

The CTC members are responsible for bringing issues or improvement suggestions to the committee. In addition, regional representatives can also bring issues and concerns to the CTC. A list is maintained and prioritized by the department and reevaluated annually. Priorities/initiatives will be shared upon request.

Team 2024-2026 Goals:

- Discuss and resolve policy and specification issues related to concrete construction
 - Continue to draft/modify specifications for concrete based on spec re-org
 - Update PWL equations
 - Incorporate F&t analysis to strength and air shadow testing
 - Assist with defining APL process for concrete products
 - AASHTOWare implementation
- Share Performance Engineered Mixtures (PEM) program initiatives and program implementation
 - Review status of recently completed WHP PEM research project
 - Continued development and implementation of PEM testing specifications
 - Optimized aggregate gradations & concrete mixtures
 - Super Air Meter (SAM) testing for air system parameters
 - Flexural Strength testing
 - Box test and V-Kelly testing for workability
 - Surface resistivity testing for permeability
 - Formation factor testing for concrete durability
 - Investigate potential reductions to carbon footprint
 - Review feasibility of implementing smaller specimen sizes for strength testing

Support or Resources Needed:

Resources needed include staff time to prepare, attend, and follow up on action items. In addition, the use of department conference rooms up to four times a year.

Reporting Plans:

The reporting for the CTC will come through the distribution of meeting minutes as well as related updates to FDM, CMM, and Standard Specifications or interim implementation via ASP-6, STSP's, or SPV's.

Deliverables:

Meeting minutes as well as related updates to FDM, CMM, and Standard Specifications or interim implementation via ASP-6, STSP's, or SPV's.

Desired Outcomes:

The desired outcomes of the Concrete Pavement Technical Committee include:

- Improve industry's understanding of the of the department's policies and expectations related to concrete construction (specifications, details, and methods), focusing on pavement and ancillary construction. Bridge construction will be discussed and referred to Bridge Technical Committee for discussion/implementation.
- Improvements and clarifications to specifications and construction details.
- Reduction in contract administration claims resulting from industry having better understanding of department expectations.
- Assignment of issues and tasks to various task forces for resolution.
- Use new technology to update specifications for concrete pavement construction, concrete ancillary construction, and concrete materials.
- Improved understanding by the department of concerns and issues that industry has related to concrete pavement, ancillary, and bridge construction.

Document Storage Location:

The following are the links for committee charter and meeting minutes:

- Charter:
<https://wisconsindot.gov/Documents/doing-bus/contractors/tech-teams/Concrete/ctc-charter.pdf>
- Meeting Minutes:
<https://wisconsindot.gov/Pages/doing-bus/contractors/tech-teams/materials.aspx>
- Task Force(s) – in BOX folder:
DTSD → DTSD-BTS → Materials → TechTeams → Concrete Tech (CTC) → Task Force

Concrete Technical Committee Contact List

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Task Force Membership (updated: 11/2024)

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Aggregate Testing TF – CONCLUDED 05/2024

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