**TEAM CHARTER**

**Concrete Technical Committee**

**2022-2024**

**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 (January, June, August, November), provided there are enough agenda items for a meeting. The meetings have previously been held face to face in the Truax Lab office. Since the COVID-19 outbreak, these meetings have been held virtually. Starting in 2023, the meetings will transition to a hybrid format allowing a face to face and virtual option for the meetings. The meetings are scheduled for 3 hours and are 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 BTS Chief of Materials, BTS Quality Assurance Supervisor and the CTC Chairperson. 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: 11/2023)

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|  | **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. |
| Kevin McMullen / Jackie Spoor / Leslie Hidde | 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. |
| Sara Schoenmann | Industry representative | ACEC representative | ACEC is our outreach representative to the consultant industry. |
| James Pforr | FHWA Wisconsin Division Materials & Pavements Engineer | FHWA Wisconsin Division representative | FHWA monitors the Wisconsin Bridge Programs. |
| WisDOT Bureau Staff | Technical Experts & Bureau Liaison | Various statewide bureaus including BPD, BTS, Aeronautics (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 & 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 2022-2024 Goals:**

* Discuss and resolve policy and specification issues related to concrete construction
	+ Specification Reorganization
		- Materials in separate chapter of Standard Specifications
	+ Incorporate F&t analysis to strength and air shadow testing
	+ Define requirements specific to Mix Designs (New vs Modification vs Source Change)
	+ Define standard naming convention for Lots/Sublots
	+ Assist with defining APL process for concrete products
* Share Performance Engineered Mixtures (PEM) program initiatives and program implementation
	+ Review status of recently completed WHRP 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/hcci/tech-teams/Aggregate/ATC%20charter.pdf>

* Meeting Minutes:

<https://wisconsindot.gov/Pages/doing-bus/contractors/hcci/tech-teams/materials.aspx>

* Task Force(s) – in BOX folder:

*DTSD → DTSD-BTS → Materials → TechTeams → Concrete Tech (CTC) → Task Force*

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| **Concrete Technical Committee Contact List**  |
| **WisDOT Representatives** (Updated: 11/28/2023) |
| **First** | **Last Name** | **Title** | **Email address** |
| Barry  | Paye | BTS Director | barry.paye@dot.wi.gov  |
| Erik | Lyngdal | BTS Chief Materials Engineer | erik.lyngdal@dot.wi.gov  |
| Tirupan | Mandal | BTS Concrete Materials Supervisor | tirupan.mandal@dot.wi.gov  |
| Aleksandra | Graff | BTS Concrete Engineer | aleksandra.markovicgraff@dot.wi.gov |
| Peter | Kemp | BTS Pavement Unit Supervisor | peter.kemp@dot.wi.gov  |
| *Vacant* |  | BTS Pavement Structure & PolicyEngineer |  |
| Adam | Albers | BTS Concrete Materials Lab Engineer | adam.albers@dot.wi.gov  |
| Adam | Johnson | BTS Independent Assurance Program Coordinator | adam.johnson@dot.wi.gov  |
| Mark | Finnell | BTS Concrete Engineer Consultant (Behnke Materials) | mark.finnell@dot.wi.gov  |
| Mark | Zander | BPD Construction Standards Engineer | mark.zander@dot.wi.gov  |
| Craig | Pringle | BPD Construction Oversight Engineer (BPD Liaison) | craig.pringle@dot.wi.gov  |
| Aaron | Bonk | BOS Chief Structures Design Engineer (BOS Liaison) | aaron.bonk@dot.wi.gov  |
| Lucas | Ward | BOA Chief Airport Construction Standards (BOA Liaison) | lucas.ward@dot.wi.gov |
| Alan | Rommel | NE Region TSS Chief(Management Liaison) | alan.rommel@dot.wi.gov  |
| Travis | Mikshowsky | SW TSS Supervisor(TSS Liaison) | travis.mikshowsky@dot.wi.gov  |
| Matt | Smith | SW Region Independent Assurance | matt.smith@dot.wi.gov  |
| Nicole | Roberts | SE Materials Engineer | nicoler.roberts@dot.wi.gov |
| Eric D | Hanson | SE Freeways Project Manager | ericd.hanson@dot.wi.gov |
| Brent | Ferguson | NC Region Independent Assurance | brent.ferguson@dot.wi.gov  |
| Devin | Harings | NW Region Pavement Engineer | devin.harings@dot.wi.gov  |
| Matt | Bertucci | NE Region Pavement Engineer | matthew.bertucci@dot.wi.gov  |
| **FHWA Representatives** |
| James | Pforr | Pavement & Materials / Asset Management Engineer | james.pforr@dot.gov  |
| **Industry Representatives** (Updated: 11/28/2023) |
| **First** | **Last Name** | **Organization** | **Email address** |
| Sara | Schoenmann | American Council of Engineering Companies | saras@jt-engineering.com  |
| Ed | Anastas | A.W. Oakes | eanastas@awoakes.com  |
| Brian | Luchene | BARD Materials | brianl@bardmaterials.com |
| Signe | Reichelt | Behnke Materials | smreichelt@behnkematerialsengineering.com  |
| Paul | Mathe | Carew Concrete | pmathe@carewconcrete.com |
| Barry | Bohman | Chippewa Concrete Services | barry@chippewaconcrete.net  |
| David | Meyer | Continental Cement Company | david.meyer@continentalcement.com  |
| David | Stanke | Kraemer North America | djstanke@kraemerna.com |
| Brian | Borowski | Lafarge/Holcim | brian.borowski@lafargeholcim.com  |
| Mark | LaLonde | LaLonde Contractors | mark@lciwi.com  |
| Brad | Diener | Lunda Construction | bdiener@lundaconstruction.com  |
| John  | McConahy | Mapei | jmcconahy@mapei.com  |
| Scott | Grams | Michels Road & Stone | sgrams@michels.us  |
| Tom | Ptaschinski | Ptaschinski Construction Company | ptaschinski@gmail.com  |
| James | Palmer | St. Mary’s Cement Company | james.palmer@vcimentos.com  |
| Benny | Walker | Todd’s Redi-Mix Concrete | benny.walker@toddsredimix.com |
| Matt | Trierweiler | Trierweiler Construction Company | matt@tpaving.com |
| Heath | Schopf | Vinton Construction Company | hschopf@vintonwis.com  |
| Jackie | Spoor | Wisconsin Concrete Pavement Association | jspoor@wisconcrete.org  |
| Kevin | McMullen | Wisconsin Concrete Pavement Association | kmcmullen@wisconcrete.org  |
| Leslie | Hidde | Wisconsin Concrete Pavement Association | lhidde@wisconcrete.org |
| Cherish | Schwenn | Wisconsin Ready Mixed Concrete Association | cschwenn@wirmca.com |
| Matt | Grove | Wisconsin Transportation Builders Association | mgrove@wtba.org  |
| David | Burt | Zenith Tech | dburt@walbecgroup.com |
| Andrea | Breen | Zignego Ready Mix | andreab@zignego.com  |
| Tony | Zignego | Zignego Company | tony@zignego.com |
| **Resource Representatives** (Updated: 11/28/2023) |
| **First** | **Last Name** | **Organization** | **Email address** |
| Tyler | Rongstad | BPD Engineering Chief | Tyler.Rongstad@dot.wi.gov |
| Laura | Shadewald | BOS Structures Development Chief | laura.shadewald@dot.wi.gov |
| Myungook (MK) | Kang | BTS Quality Assurance Supervisor | Myungook.Kang@dot.wi.gov |
| Linette | Rizos | BTS Quality Assurance and Sustainability Engineer | Linette.Rizos@dot.wi.gov |
| Chad  | Hayes | BPD Construction Oversight Engineer | chad.hayes@dot.wi.gov  |
| Zach | Dittberner | Michels Road & Stone | zdittber@michels.us |
| Tom | Sand | Vinton Construction Company | tsand@vintonwis.com |

**Task Force Membership** (Updated: 11/28/2023)

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| --- |
| **Concrete Specification Reorganization TF (updated 11/28/2023)** |
| **First** | **Last Name** | **Title / Company** | **Email address** |
| Erik | Lyngdal | BTS Chief Materials Engineer | erik.lyngdal@dot.wi.gov  |
| Tirupan | Mandal | BTS Concrete Materials Supervisor | tirupan.mandal@dot.wi.gov  |
| Aleksandra | Graff | BTS Concrete Engineer | aleksandra.markovicgraff@dot.wi.gov |
| Adam | Johnson | BTS Independent Assurance Program Coordinator | adam.johnson@dot.wi.gov  |
| Travis | Maatta | NE Region Materials Engineer | Travis.Maatta@dot.wi.gov |
| Craig | Pringle | BPD Construction Oversight Engineer (BPD Liaison) | craig.pringle@dot.wi.gov  |
| Mark | Zander | BPD Construction Standards Engineer | mark.zander@dot.wi.gov  |
| Mark | Finnell | BTS Concrete Engineer Consultant (Behnke Materials) | mark.finnell@dot.wi.gov  |
| Signe | Reichelt | Behnke Materials | smreichelt@behnkematerialsengineering.com  |
| James | Pforr | FHWA Pavement & Materials / Asset Management Engineer | James.pforr@dot.gov |
| Leslie | Hidde | Wisconsin Concrete Pavement Association | lhidde@wisconcrete.org |
| Anna | Romenesko |  Sommers Construction | anna@sommersconst.com |
| Sara | Schoenmann | American Council of Engineering Companies | saras@jt-engineering.com  |
| Brad | Diener | Lunda Construction | bdiener@lundaconstruction.com  |
| Julia | Slota |  Interra, Inc. | jslota@interraservices.com |
| Jake | Franzmeier |  Bay Area Testing and Consulting, LLC | jake@bayareatesting.com |
| Matthew | Spindler |  REI Engineering | mspindler@reiengineering.com |
| Tom | Sand | Vinton Construction Company | tsand@vintonwis.com |
| Benny | Walker | Todd’s Redi-Mix Concrete | benny.walker@toddsredimix.com |

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| --- |
|  |
| **Buckling Research TF (02/XX/2023 – Not Finalized) INACTIVE 05/25/2023** |
| **First** | **Last Name** | **Title / Company** | **Email address** |
| Aleksandra | Graff | BTS Concrete Engineer | aleksandra.markovicgraff@dot.wi.gov |
| Ed | Anastas | A.W. Oakes | eanastas@awoakes.com  |
| *Vacant* |  | BTS Pavement Policy & Research Engineer |  |
| Barry | Bohman | Chippewa Concrete Services | barry@chippewaconcrete.net  |
| Mark | Finnell | BTS Concrete Engineer Consultant (Behnke Materials) | mark.finnell@dot.wi.gov  |
| Leslie | Hidde | Wisconsin Concrete Pavement Association | lhidde@wisconcrete.org |
| Peter | Kemp | BTS Pavement Unit Supervisor | peter.kemp@dot.wi.gov  |
| Kevin | McMullen | Wisconsin Concrete Pavement Association | kmcmullen@wisconcrete.org  |
| Tirupan | Mandal | BTS Concrete Materials Supervisor | tirupan.mandal@dot.wi.gov  |
| James | Pforr | FHWA Pavement & Materials / Asset Management Engineer | James.pforr@dot.gov |
| Heath | Schopf | Vinton Construction Company | hschopf@vintonwis.com  |
| Jackie | Spoor | Wisconsin Concrete Pavement Association | jspoor@wisconcrete.org  |

|  |
| --- |
| **Curb Shear TF (updated 11/28/2023) INACTIVE 05/25/2023** |
| **First** | **Last Name** | **Title / Company** | **Email address** |
| *Vacant* |  | BTS Pavement Policy & Research Engineer |  |
| Aleksandra | Graff | BTS Concrete Engineer | aleksandra.markovicgraff@dot.wi.gov |
| Matt | Bertucci | NE Region Pavement Engineer | matthew.bertucci@dot.wi.gov  |
| Ryan | Everson | Martell Construction, Inc | REverson@martellco.com |
| Mark | Finnell | BTS Concrete Engineer Consultant (Behnke Materials) | mark.finnell@dot.wi.gov  |
| Kurt | Flierl | SE Region Construction Project Manager | kurt.flierl@dot.wi.gov  |
| Matt | Haefs | NE Region Maintenance Engineer | matthew.haefs@dot.wi.gov  |
| Leslie | Hidde | Wisconsin Concrete Pavement Association | lhidde@wisconcrete.org |
| Peter | Kemp | BTS Pavement Unit Supervisor | peter.kemp@dot.wi.gov  |
| Kevin | McMullen | Wisconsin Concrete Pavement Association | kmcmullen@wisconcrete.org  |
| Tirupan | Mandal | BTS Concrete Materials Supervisor | tirupan.mandal@dot.wi.gov  |
| James | Pforr | FHWA Pavement & Materials / Asset Management Engineer | james.pforr@dot.gov  |
| Jackie | Spoor | Wisconsin Concrete Pavement Association | jspoor@wisconcrete.org  |
| Garrett | Vickman | NE Region Design Quality Assurance Engineer | garrett.vickman@dot.wi.gov |
| Van  | Walling | BPD Roadway and Design Standards Unit | van.walling@dot.wi.gov  |

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| --- |
| **Fast Track TF (updated 11/28/2023) INACTIVE 05/25/2023** |
| **First** | **Last Name** | **Title / Company** | **Email address** |
| Aleksandra | Graff | BTS Concrete Engineer | aleksandra.markovicgraff@dot.wi.gov |
| Ed | Anastas | A.W. Oakes | eanastas@awoakes.com  |
| *Vacant* |  | BTS Pavement Policy & Research Engineer |  |
| Barry | Bohman | Chippewa Concrete Services | barry@chippewaconcrete.net |
| Tom | Bonness | CPR Contractors | tom@cprcontractors.com |
| Amy | Brooks | BHM Maintenance | Amy.brooks@dot.wi.gov  |
| Wayne | Chase | BPD Construction Oversight Engineer | wayne.chase@dot.wi.gov |
| Steve | Chojnacki | SE Region Design Oversight Engineer | steve.chojnacki@dot.wi.gov  |
| Mark | Finnell | BTS Concrete Engineer Consultant (Behnke Materials) | mark.finnell@dot.wi.gov  |
| Scott | Grams | Michels Paving | sgrams@michels.us |
| Stacy | Hagenbucher | NC Construction Oversight Engineer | stacy.hagenbucher@dot.wi.gov |
| Andrew | Heidtke | BTO Traffic | andrew.heidtke@dot.wi.gov |
| Leslie | Hidde | Wisconsin Concrete Pavement Association | lhidde@wisconcrete.org |
| Peter | Kemp | BTS Pavement Unit Supervisor | peter.kemp@dot.wi.gov  |
| Kevin | McMullen | Wisconsin Concrete Pavement Association | kmcmullen@wisconcrete.org  |
| Tirupan | Mandal | BTS Concrete Materials Supervisor | tirupan.mandal@dot.wi.gov  |
| James | Pforr | FHWA Pavement & Materials / Asset Management Engineer | james.pforr@dot.gov  |
| Joe | Schneider | SW Work Zone Engineer | joseph.schneider@dot.wi.gov |
| Jackie | Spoor | Wisconsin Concrete Pavement Association | jspoor@wisconcrete.org  |

|  |
| --- |
| **PEM Research TF (02/xx/2023 – Not Finalized) INACTIVE 05/25/2023** |
| **First** | **Last Name** | **Title / Company** | **Email address** |
| Aleksandra | Graff | BTS Concrete Engineer | aleksandra.markovicgraff@dot.wi.gov |
| Ed | Anastas | A.W. Oakes | eanastas@awoakes.com  |
| Mark | Finnell | BTS Concrete Engineer Consultant (Behnke Materials) | mark.finnell@dot.wi.gov  |
| Scott | Grams | Michels Road & Stone | sgrams@michels.us  |
| Leslie | Hidde | Wisconsin Concrete Pavement Association | lhidde@wisconcrete.org |
| Tirupan | Mandal | BTS Concrete Materials Supervisor | tirupan.mandal@dot.wi.gov  |
| Kevin | McMullen | Wisconsin Concrete Pavement Association | kmcmullen@wisconcrete.org  |
| James | Palmer | St. Mary’s Cement Company | james.palmer@vcimentos.com  |
| James | Pforr | FHWA Pavement & Materials / Asset Management Engineer | James.pforr@dot.gov |
| Jackie | Spoor | Wisconsin Concrete Pavement Association | jspoor@wisconcrete.org  |

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| --- |
| **Structure Aggregate TF (updated 11/28/2023) INACTIVE 05/25/2023** |
| **First** | **Last Name** | **Title / Company** | **Email address** |
| Aleksandra | Graff | BTS Concrete Engineer | aleksandra.markovicgraff@dot.wi.gov |
| Barry | Bohman | Chippewa Concrete Services | barry@chippewaconcrete.net |
| Aaron | Bonk | BOS Chief Structures Design Engineer | aaron.bonk@dot.wi.gov  |
| Andrea | Breen | Zignego Ready Mix | andreab@zignego.com  |
| David | Burt | Zenith Tech | dburt@walbecgroup.com |
| Jamie  | Cynor | NE Region Concrete & Aggregate IA | jamie.cynor@dot.wi.gov |
| Mark | Finnell | BTS Concrete Engineer Consultant (Behnke Materials) | mark.finnell@dot.wi.gov  |
| Eric | Glendenning | BARD Materials | ericg@bardmaterials.com |
| Matt | Grove | Wisconsin Transportation Builders Association | mgrove@wtba.org  |
| Leslie | Hidde | Wisconsin Concrete Pavement Association | lhidde@wisconcrete.org |
| Adam | Johnson | BTS Independent Assurance Program Coordinator | adam.johnson@dot.wi.gov  |
| Kevin | McMullen | Wisconsin Concrete Pavement Association | kmcmullen@wisconcrete.org  |
| Tirupan | Mandal | BTS Concrete Materials Supervisor | tirupan.mandal@dot.wi.gov  |
| James | Pforr | FHWA Pavement & Materials / Asset Management Engineer | James.pforr@dot.gov |
| Julia | Slota | Interra Services | jslota@interraservices.com |
| Jackie | Spoor | Wisconsin Concrete Pavement Association | jspoor@wisconcrete.org  |
| David | Stanke | Kraemer North America | djstanke@kraemerna.com |
| Benny | Walker | Todd’s Redi-Mix Concrete | benny.walker@toddsredimix.com |

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| --- |
| **SAM TF (updated 02/18/2022) – CONCLUDED 07/2022** |
| **First** | **Last Name** | **Title / Company** | **Email address** |
| Mark | Finnell | BTS Concrete Engineer Consultant (Behnke Materials) | mark.finnell@dot.wi.gov  |
| Mike | Hammitt | Trierweiler Construction Company | michael@tpaving.com  |
| Leslie | Hidde | BTS Concrete Quality Assurance Engineer | leslie.hidde@dot.wi.gov  |
| Adam | Johnson | BTS Independent Assurance Program Coordinator | adam.johnson@dot.wi.gov  |
| Jason | Lauters | CORRE, Inc | jlauters@correinc.com |
| Kevin | McMullen | Wisconsin Concrete Pavement Association | kmcmullen@wisconcrete.org  |
| James | Palmer | St. Mary’s Cement Company | james.palmer@vcimentos.com  |
| James | Parry | BTS Quality Assurance Supervisor | james.parry@dot.wi.gov  |
| James | Pforr | FHWA Pavement & Materials / Asset Management Engineer | james.pforr@dot.gov  |
| Anna | Romenesko | JT Engineering | annar@jt-engineering.com |
| Tom | Sand | Vinton Construction Company | tsand@vintonwis.com |
| Jackie | Spoor | Wisconsin Concrete Pavement Association | jspoor@wisconcrete.org  |