

HMA Tech Team

February 11, 2020

BTS - Truax - State Police Conference Room

- 8:45-9:45am DOT only
- 10:00-3:30 Full Meeting

Full Meeting Teleconference: 888-251-2909 Access Code 4573697

Members:

Attendance	Name	E-mail	Representing
X - X	Matt Andreini	Matthew.Andreini@dot.wi.gov	WisDOT - BTS
X - X	Jeff Anderson	Jeffrey.Anderson@dot.wi.gov	WisDOT - BTS
	Richard Barden	Richard.Barden@dot.wi.gov	WisDOT - BTS
P - P	Amber Bever	Amber.Bever@dot.wi.gov	WisDOT - NW
	Deb Bischoff	Deb.Bischoff@dot.wi.gov	WisDOT - BTS
X	Steve Bloedow	sbloedow@rockroads.com	Rock Road Co.
X - X	Michael Bohn	Michael.Bohn@dot.wi.gov	WisDOT - RSO
	Vacant		WisDOT - NC
	Doak Christenson	Doak.Christenson@dot.wi.gov	WisDOT - BPD
	Aaron Coenen	Aaron.Coenen@dot.gov	FHWA
	Thomas DeWinter	Thomas.DeWinter@dot.wi.gov	WisDOT - BoA
X	Erv Dukatz	Ervin.dukatz@mathy.com	Mathy
	Paul Eggen	Paul.eggen@omni.com	OMNNI
	Bruce Enke	Bruce.Enke@dot.wi.gov	WisDOT TSS - Chiefs
X - X	Myungook Kang	Myungook.Kang@dot.wi.gov	WisDOT - BTS
	Erin Ferg	Erin.Ferg@murphyinc.org	MCC Inc.
X	Stacy Glidden	SGlidden@crmanagement.com	Payne & Dolan
	Mike Hall	Michael1.Hall@dot.wi.gov	WisDOT - BPD
X - X	Steve Hefel	Steven.Hefel@dot.wi.gov	WisDOT - BTS
P - P	Brian Jandrin	Brian.Jandrin@dot.wi.gov	WisDOT - NE
P	Carl Johnson	carlj@starkcorp.us	Stark Paving Corp
X - X	Dan Kopacz	Daniel.Kopacz@dot.wi.gov	WisDOT - BTS
P - P	Justin Kutschenreuter	Justin.Kutschenreuter@dot.wi.gov	WisDOT - SE
X	Joe Kyle	Joe.Kyle@americanasphaltofwi.com	American Asphalt
X	Erik Lyngdal	Erik.Lyngdal@dot.wi.gov	WisDOT - BTS
P - P	Wendy Maves	Wendy.Maves@dot.wi.gov	WisDOT TSS - Supervisors
P - P	Tom Nelson	Thomas.Nelson@dot.wi.gov	WisDOT Pvmt Engineers
X	Barry Paye	Barry.Paye@dot.wi.gov	WisDOT - BTS
	Heidi Peterson	Heidie.Peterson@dot.wi.gov	WisDOT-SE Frwy
X - X	James Pforr	James.Pforr@dot.wi.gov	WisDOT - BTS
	Brian Pitlik	bepitlik@newnorth.net	Pitlik & Wick
	Signe Reichelt	smreichelt@behnkematerialsengineering.com	Behnke Materials Eng.
X	Debbie Schwerman	Deb@wispave.org	WAPA
X - X	Scott Syron	Scott.Syron@dot.wi.gov	WisDOT - SW
	Vacant		WisDOT - BPD
	Mark Sweeting	marks@wolfpaving.com	Wolf Paving
P	Chris Winiecki	cwiniecki@neasphalt.com	Northeast Asphalt

Visitors:

Attendance	Name	E-mail	Representing
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	Devin Harings	Devin.Harings@dot.wi.gov	WisDOT - NW
X	Mike Burns	Mike.Byrnes@mathy.com	Mathy
	Josh Amundson	jjamundson@behnkematerialsengineering.com	Behnke Materials
X	Neal Atanasoff	NAtanasoff@neasphalt.com	Northeast Asphalt
X	David Hose	David.Hose@mathy.com	Mathy
X – X	Tirupan Mandal	Tirupan.Mandal@dot.wi.gov	WisDOT
X – X	Leslie Ashauer	Leslie.Ashaur@dot.wi.gov	WisDOT
X	Albert Kilger	alkilger@behnkematerialsengineering.com	Behnke Materials

Agenda for Feb 11, 2020 HMA Tech Team

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For those who can't attend in person, use Skype info on meeting invite

- A. Minutes, from previous meeting – no comments
- B. Members & visitors
- C. Outside Committee Reports
 - a. Aggregate Tech Team (Erik L)
 - b. IRI Team (Deb B)
 - i. request for IRI meeting regarding last CIR meeting.
 - c. Atwoods Team (Deb B)
 - i. AASHTOWare workshops starting in March
- D. Research Reports (Erik L.)
 - a. Project update
 - i. Two reports will be published soon
 - b. Rolling nuclear density pilot project.
 - i. Action- industry needs to come-up with a plan.
- E. Subcommittee Reports
 - a. Density Subcommittee (Mike B.)
 - i. Meeting update- Mike Bohn requested communication when encountering new lot layout. He will be available to help answer any questions.
 - ii. ¾ of gauges are 20+ years old. Majority of gauges owned by department and consultant. Mike will be testing contractor gauges soon.
 - iii. Sideroad subplot layout training (HTCP – Mike)
 - iv. Suggestion for pilot project with rolling density meters, etc.
 - b. Specification Subcommittee - (Steve H.)
 - i. Longitudinal Joint Density Spec
 1. Unacceptable Joint Remediation – if there is an unacceptable joint, something needs to be done with it. Proposing a \$4 credit instead of milling out the joint.
 2. Industry proposed using fog seal over the joint.

3. WHRP Project to start in October and finish the following year.
 4. Look at rumble strips. There is concern that rumble strips will cause moisture damage. Project on Hwy 70, outside of Siren.
 5. Steve summarized history and implementation of new Longitudinal Joint specifications
 6. LJD special provision is now on all PWL projects.
 7. Joint heaters are discontinued
 8. CMM guidance will be drafted to clarify what makes a good joint. Training will be provided for inspection of longitudinal joints.
 9. Suggestion- make sure to train inspectors know that good Longitudinal joints will have a white stripe all the way down the center line.
- ii. QAP rewrite
 1. Need plan to move forward with AASHTOware.
- c. Percent Within Limits (PWL) Subcommittee (Dan K.)
- i. 2018 info
 - ii. 2019 projects, concerns
 - iii. Request to share 2020 PWL projects
 - iv. Concerns regarding QV data not always getting back to contractor in timely fashion.
 - v. Need for communication at Pre-paves about footprint testing, providing information and entering information in spreadsheets.
 - vi. Action: central office needs to schedule a meeting with PWL reps.
 - vii. core option concept for smaller areas, 2020 pilot(s), 35 in Vernon Co
 1. Concern over volume of testing that represents the data.
 2. Could you assign a correlation to a given mixture type?
 3. Why not do two cores?
 4. For small tonnage jobs, why not remove incentive instead of cores?
- d. Mix Acceptance Subcommittee (Jeff A.)
- i. 2019 Summary
 - ii. Update to individual samples for IOCF – great success. Consider reducing sample rates.
- e. Mix Performance Subcommittee
- i. Performance Testing Meeting – see value in completing asphalt analyzer round robin. Possibly determine the number of analyzers statewide to help determine the possibility, process and material needs.
 - ii. Round Robin for performance testing
 - iii. Industry requested round robin and workshop with BTS for consistency.
 - iv. Suggestion to video tape and clarify process for performance testing.
 - v. Need to clarify when performance samples will be collected on PWL projects.
- F. Other
- a. Training

- i. HMA Inspector provided at each region office. March 17 -April 22. One contractor representative per region.
 - ii. PWL – no significant training. Available on learn center.
 - b. WAPA Conference
 - c. Balanced Mix Design Workshop
 - i. Industry issues with extra sampling on day of test strips for BMD; 45 min issue
 - d. 2020 Spring CMM updates
 - i. APL for device used to shape wedge may be too prescriptive. May need more discussion. The goal is to mitigate problems in the field during placement with inspectors.
 - ii. Focus of joint construction should be based on joint construction and not equipment. Suggestion to focus on geometry of notched wedge joint and not on equipment.
 - iii. Rounding examples and department spreadsheet clarification; revised 8-15.10.4 to address this concern.
 - iv. WisDOT modified procedure needed for drying cores first (Edit 8-36.6.5); revision completed for CMM update.
 - v. Revision to 8-36.6.5 for sentence structure.
 - vi. Revise short term aging protocol to remove stirring and specify aging layer thickness.
 - vii. Standardize Hamburg Calculations; 3pts vs. 5 pts or other
 - viii. Eliminated environmental chamber for conditioning for cracking test; revised 8-36.10.2 to use water bath.
 - ix. Change conditioning oven to convection oven; revised 8-36.10.3 to address this.
 - x. Questions about short term aging, stirring, opening ovens, etc. Does more need to be added to eliminate variables and improve consistency?
 - e. ASP-6 2020 Standard Spec revisions
 - f. Approved products list
 - i. All tacks should be “h’s”
 - ii. Asphalt release agent list is expected to be updated soon
 - iii. If you have a supplier and it is not on the list, make sure to let central office know
 - g. Tack coat
 - i. 455.3.2.5 – language may be too strict to enforce.
 - ii. Suggestion to add photographs to the CMM to help inspectors with judging quality tack.
 - iii. Include tack photos in training manuals and presentations.
 - h. ASP6 – interlayer and No 6 mixtures
 - i. Establishing growth curves is different both mixture types.
 - ii. 460.3.2 under thickness, are there density requirements for No. 6 layers? Leveling layer is not an upper. Wedging layer is not an upper layer.

- i. Restrictions on how to compact asphalt shoulders along concrete pavement? Part of presentation at recent conference. Bottom line: steel equipment should not touch concrete pavement.
- j. Is there anything we can take out of the specifications?
 - i. TSRs during design? Data shows that there is no problem at this time.
- k. Laying out density sublots in the plans. Should this be a requirement?
- l. Next Meeting? End of April or early May