

**COMMITTEE ON MATERIALS & PAVEMENTS
2018 - 2019 Mid Year Meeting (Webinar)**

Monday November 19, 2018

11 am – 12 pm EST

**TECHNICAL SECTION 5c
Quality Assurance and Environmental**

I. Introduction and Housekeeping - Casey

II. Call to Order and Opening Remarks

III. Roll Call – email Casey for attendance

Andrus	Scott	scottandrus@utah.gov
Arasteh	Michael	Michael.arasteh@dot.gov
Babish	Andy	andy.babish@vdot.virginia.gov
Benson	Michael	michael.benson@ardot.gov
Boisvert	Denis	Denis.Boisvert@dot.nh.gov
Bradbury	Rick	richard.bradbury@maine.gov
Burch	Paul	pburch@azdot.gov
Dvorak	Dennis	dennis.dvorak@dot.gov
George	Scott	georges@dot.state.al.us
Heiser	Steven	steve.heiser@dot.ny.gov
Johnson	Brian	bjohnson@ashtoresource.org
Jones	Cecil	cecil.jones@nc.rr.com
Lauzon	Bob	robert.lauzon@ct.gov
Lenker	Steven	slenker@ashtoresource.org
McCouston	Curt	cmccouston@utah.gov
Miner	Misty	mminer@mt.gov
Nussbaum	L. Scott	snussbaum@utah.gov
Pfeifer	Brian	brian.pfeifer@illinois.gov
Ruelke	Timothy	timothy.ruelke@dot.state.fl.us
Trautman	Brett	Brett.Trautman@modot.mo.gov
Turgeon	Curt	curt.turgeon@state.mn.us
Welter	Jim	jim.welter@dot.ohio.gov

Withee	Jeff	jeff.withee@dot.gov
Barot	Sejal	sbarot@sha.state.md.us

IV. Approval of Technical Section Minutes

The 2018 summer meeting minutes were approved with a motion from AL and a second from FL. There was no discussion.

V. Old Business

A. COMP Ballot Items

1. Item 22 New Standard on Determining Constant Mass (37 Affirmative, 0 Negative)
2. Item 23 Dielectric Profiling System (37 Affirmative, 0 Negative)
3. Item 24 File Format for Intelligent Construction Data (37 Affirmative 0 Negative)
4. Item 25, WAQTC updates for R 25 (36 Affirmative, 1 Negative from California)
 1. Phantom missing sections and words in the California comments, they are in the document that was sent in to AASHTO. 3.1.1 and 5.3.2 & words at the end of two lines.
 - It's possible that the comment from bullet 4 may have had a corrupted file. FL has a motion to find this non-persuasive based on publishing with the "missing" information that was reported as well as deleting out the extra words at the end of the lines. There were no other reports of such issues with anyone else that submitted responses. CT second – motion to find non-persuasive carries.

B. Reconfirmation Ballots

1. R8 Evaluation of Transportation – Related Earthborn Vibrations. (18 Affirmative, 1 Negative (OH) "Section 3.1 The last sentence should be revised as follows: Specialists in vibration monitoring shall have expertise in 1: conducting structural surveys by video methods, 2: monitoring vibrations with a seismograph or with other appropriate instrumentation, 3: assessing sites for potential damage that may occur as a result of the proposed construction."
 - Ohio would like to add more valuable information to the standard, essentially expanding the section on what vibration monitoring is all about. Boisvert from NH weighed in that option 3 (below) may be problematic with the word "shall" that would change the technical meaning. VA agrees with NH. May be better to go to option 2. Motion from VA; second from NH to find non-persuasive and add a TS ballot in the spring. R 8 is reconfirmed without changes and Curt will reach out to OH to discuss the decision and steps moving forward
 1. Find Non persuasive
 2. Find non persuasive but 2019 TS Ballot to include in next year ←
 3. Find Persuasive, direct Chair to make changes within editorial discretion.
2. R21 Drilling for Subsurface Investigations – Unexpectedly Encountering Suspected Hazardous Material (19 Affirmative, 0 Negative)

3.R22 Decommissioning Geotechnical Exploratory Boreholes (19 Affirmative, 0 Negative)

- C. Task Force Reports. From 2017 “Dennis Dvorak suggested to update R-42 for QA program through a task force. He is looking for volunteers as specification needs to be corrected and updated. Maine, Connecticut and Virginia are willing to help. Subsequent to the meeting Kansas – Rick Barezinsky and Texas – Brett Haggerty also volunteered. “
- Because the FHWA’s role changed, Dennis can no longer lead this TF. Rick Bradbury (ME) will take over as the lead of this task force. CT, VA, KS will also help out. Dennis can still participate and contribute but can no longer be the leader of the TF.

VI. New Business

A. Research Proposals

- none

B. Revisions/Work on Standards for Coming Year

1. R 10 Definitions of Terms Related to Quality and Statistics as Used in Highway Construction
 - The Chair asked for volunteers to review. Rick (ME) volunteered to look at this one and has been involved in a related TRB group.
 2. R 42 Developing a Quality Assurance Plan for Hot Mix asphalt (HMA)
 - Rick (ME) will also look at R 42
 3. Establishing Requirements for Equipment Calibrations, Standardizations, and Checks.
 - Brian Johnson (re:source) volunteered to look at this standard
1. LOOKING FOR VOLUNTEERS TO REVIEW EACH
 - a. GOOD AS IS – reconfirm
 - b. Needs minor updates – here my suggestions (or need a task force)
 - c. Delete.

VII. Open Discussion

- Brian Johnson (re:source) let the group know that he is working on an update for R 18. If anyone would like to send Brian suggestions for updates he will include those suggestions in a ballot. Just send him an email with any suggestions at bjohnson@ashtoresource.org.

VIII. Adjourn

COMMITTEE ON MATERIALS & PAVEMENTS

2017 Annual Meeting – Cincinnati, OH

Thursday August 9, 2018

10:15-11:30 AM

TECHNICAL Subcommittee 5c
Quality Assurance and Environmental
Minutes

- I. **Call to Order and Opening Remarks - Curt Turgeon called the meeting to order at 10:17 am.**
 - A. Brief summary of activities *(to ensure all attendees up to speed)*

- II. **Roll Call**

- III. **Approval of Technical Section Minutes (attachment #1): 1) AL, 2) VA, minutes are approved.**

- IV. **Old Business**
 - A. SOM Ballot Items
 1. Outstanding items from Mid-Year Meeting - **None**
 - B. TS Ballots (attachment #2)
 1. Determining Constant Mass 14 Affirmative, 3 Negative and 8 No vote.
 - a. Comments regarding display of equations
 - b. Illinois – not needed, plus comments – **vote to find this negative non-persuasive: 1) ME, 2) MT, motion carries.**
 - c. Florida – Formula did not display correctly (hieroglyphics)
 - d. Connecticut – Multiple changes throughout Standard. (#3)

Discussion: WAQTC has reconciled CT’s concerns about wording. The formula issue has also been resolved.

TS voted to move this standard to **COMP ballot** with changes: 1) ME, 2) FL, motion carries
 2. Dielectric Profiling System 17 Affirmative, 8 no vote
 - a. Upon discussion, will require motion to move to full Ballot

TS voted to move this standard to **COMP ballot: 1) ME, 2) CT: motion carries**
 3. File Format of Intelligent Construction Data 17 Affirmative, 8 no vote
 - a. Upon discussion, will require motion to move to full Ballot

Discussion: Why are we introducing another standard when this is already covered in intelligent compaction **provisional specification?** The idea is that the redundancies would be removed from intelligent compaction **and have all data placed at on place in the software package.**

TS voted to move this standard to **COMP ballot: 1) ME, 2) AL: motion carries**
 4. Changes to R25 as recommended by the WAQTC 18 Affirmative, 7 No vote (attachment #4)
 - a. Upon discussion, will require motion to move to full Ballot

No negative. This is about technician training specification to evaluate which one to keep or remove.

TS voted to move this standard to **COMP ballot: 1) FL, 2) ME: motion carries**
 - C. Task Force Reports – No active task forces.

Discussion: Question raised as to what is going on with Dennis Dvorak’s Task Force, but he is no longer able to attend the meetings. Curt will reach out to Dennis to see what the status was.

V. New Business

A. Research Proposals

1. Performance Specifications Implementation Guide (attachment #5)

Discussion: none

2. Manual for Incorporating NDT in Quality Assurance (attachment #6)

Presented by Maine - The focus of this research is to guide the state agency on how to use this technology and how it can fit into the state QA program.

Discussion:

Is 24 months long enough? Since there is no lab or field testing, 24 months might be enough, but it might need to go a little longer. Once approved, the timeframe can be adjusted.

Are there provisions in there for NDT of steel and related certification requirements, experience, accreditation, etc.? Yes. This should look at all aspects of this activity.

Is the NCHRP study on risk analysis going to factored into this? That might be the next round of studies once this is out there. Is this for acceptance, QA or verification test?

Are you going to look at the cost/benefit analysis of performing the tests? Should we be performing the tests at all in some cases? Is the study going to help us determine which one to use? This is a risk-based study and it will give us enough information to help us make the decision.

B. AASHTO Re:source/CCRL - Observations from Assessments? - None

C. NCHRP Issues - None

D. Correspondence, calls, meetings

E. Presentation by Industry/Academia

i. PRESENTATION: Dr. George Chang, Transtec " Building Information Modeling (BIM) for Pavements (attachment #7)

Discussion:

How far down into the pavements are you talking? From the ground up.

Does BIM support the file format? Yes. This helps all the different software talk to each other. This is moving toward open-source, public domain development.

Is this going to also incorporate testing from the materials acceptance programs? It could be referenced to the lab testing. Everything will be georeferenced, tagged, etc.

Do you see challenges when you are talking about long road with lot of data and GPS coordinates? No.

Will you have roughness and maintenance data? There will be post-construction data such as roughness. This will have potential for life-cycle cost management.

What kind of software do you envision the DOTs will be using? Similar to Veta. Software will be developed.

How are you going to separate different parts of pavements, locations, and times? BIM tracks everything.

Pooled fund study?

F. Proposed New Standards - None

G. Proposed New Task Forces

i. FHWA ETG on Pavement Sustainability Update

Environmental Product Declarations are coming faster in some places than others. FHWA is working on a benchmarking tool that can be used to calculate impacts of pavements to help move agencies toward life-cycle thinking. Heather Dylla is the contact (heather.dylla@dot.gov and 202-366-0120). CA is interested in this and has already successfully taken steps in this direction. MNDOT had two meeting: one with MNDOT staff and 2nd with MNDOT and Industry. Curt informed the group that he will share update about MNDOT progress.

- H. Standards Requiring Reconfirmation
 - i. Handled directly by AASHTO staff
The chair would like to cover reconfirmations during the midyear meetings.
- I. SOM Ballot Items (including any ASTM changes/equivalencies) - None

VI. Open Discussion: none

VII. Adjournment at 11:11 am