

WAQTC EXECUTIVE BOARD

2019 AUGUST MEETING MINUTES

MEETING CALLED BY: JOHN BILDERBACK,
CHAIR
RECORDER: DESNA BERGOLD, COORDINATOR

DATE: AUGUST 4TH AND 5TH, 2019
TIME: 3:30 TO 5:30 PM
LOCATION: FOUR SEASONS HOTEL
BALTIMORE, MD

ATTENDEES:

JOHN BILDERBACK, CHAIR, ITD
L. SCOTT NUSSBAUM, TREASURER, UDOT
OAK METCALFE, MDT
GARRETT WEBSTER, WSDOT
LARRY ILG, VICE CHAIR, ODOT *
SEAN PARKER, QAC CHAIR*
MISTY MINER, QAC VICE CHAIR*
CRAIG WIEDEN, CDOT*

GUEST:

SONYA PUTERBAUGH, AASHTO RE:SOURCE

*ATTENDED THE SECOND HALF OF THE MEETING HELD AUG. 5TH

ABSENT:

MIKE SAN ANGELO, AKDOT & PF
MICHAEL VOTH, CFLHD
BRIAN IKEHARA, HDOT

AGENDA ITEMS / OBJECTIVES:

1. Report on previously proposed revisions

- a. *T 27; Sieve Analysis of Fine and Coarse Aggregate* on agenda for TS 1c meeting, Champion John Bilderback – (8/7/19 3:15 pm)
- b. *T 11; Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing* on agenda for TS 1c meeting, Champion Greg Stellmach – assignment of a new Champion – (8/7/19 3:15 pm)

2. Proposed AASHTO revisions from QAC:

- a. *R 25, Technician Training and Qualification Programs* (TS 5c) – on agenda (~~8/8/19 10:30 am~~ 8/6/19, 1:00 pm) – Champion Scott Nussbaum
- b. *T 309; Temperature of Freshly Mixed Hydraulic Cement Concrete* (TS 3b) – on agenda (~~8/7/19~~ 8/5/19 1:30 pm) – Champion Bill Lawrence
- c. *Apparatus discrepancy* – on agenda (8/5/19 10:15 am) – Champion John Bilderback
 - i. *T 88, Particle Size Analysis of Soils* (TS 1a)
 - ii. *T 176; Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test* (TS 1a)
- d. *Density symbol reconciliation* – Champion John Bilderback
 - i. *T 99, Moisture-Density Relations of Soils Using a 2.5-kg (5.5-lb) Rammer and a 305-mm (12-in.) Drop* (TS 1b) on agenda (8/6/19 3:15 pm)
 1. On TS agenda – split wall assembly molds
 - ii. *T 121; Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete* (TS 3b) (8/7/19 1:30 pm)
 - iii. *T 180, Moisture-Density Relations of Soils Using a 4.54-kg (10-lb) Rammer and a 457-mm (18-in.) Drop* (TS 1b) on agenda (8/6/19 3:15 pm)

1. On TS agenda – split wall assembly molds
- iv. *T 310; In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)* (TS 1b)
 1. On TS agenda – new lead for calibration block task force
3. Training Developments teleconference – from Spring Meeting
4. Administration Manual and RPIH revisions – editorial?
5. WAQTC Brochure
6. Reciprocity audit
7. TTQP Aggregate exam proposal – QAC
8. TM 2 AASHTO proposal – QAC
9. R 56 survey – QAC
10. Revisions to the 2019 training materials – QAC
11. QAC meeting locations – QAC

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| TOPIC | Discussion / Decision | ACTION REQUIRED BY: |
| WELCOME | <p>John Bilderback, ITD and WAQTC Executive Board Chair, welcomed the attendees to the meeting. He asked Garrett Webster, WSDOT, to introduce himself. Garrett is the new Executive Board representative for WSDOT.</p> | |
| PREVIOUS PROPOSALS | <p><i>T 27; Sieve Analysis of Fine and Coarse Aggregate</i> on the agenda for TS 1c meeting, Champion John Bilderback</p> <p>WAQTC's 2018 revision proposal to T 27 is on the agenda for Technical Subcommittee (TS) 1c. Desna explained that there was a negative vote when the proposal was balloted on the fall ballot. The negative was not related to the proposal, moving existing requirements for overloading and sieving efficiency into Annexes, but to the requirements of sieving efficiency. This is the same revision that WAQTC proposed to T 30 which was published in July. John is the Champion for this method.</p> <p><i>John Bilderback will discuss the proposal during the TS 1c breakout session.</i></p> <p><i>T 11; Materials Finer Than 75-μm (No. 200) Sieve in Mineral Aggregates by Washing</i> on the agenda for TS 1c meeting, Champion Greg Stellmach – assignment of new Champion</p> <p>WAQTC proposed revisions to T 11 in 2015 to include the automatic washer in the Apparatus section and some guidelines on its use. The automatic washer is currently mentioned in a note with no further guidance. The proposal was balloted and there were enough concerns about the use of the automatic washer that a task force was formed. The task force submitted proposed revisions to a former TS Chair, but they were misplaced. The proposed language that was drafted by the task force is on the agenda for the TS meeting. John volunteered to be the new Champion.</p> <p><i>John Bilderback will Champion the T 11 revisions and discuss the proposal during the TS 1c breakout session.</i></p> | <p>JOHN BILDERBACK</p> <p>JOHN BILDERBACK</p> |
| CURRENT PROPOSALS | <p><i>R 25, Technician Training and Qualification Programs</i> – on the agenda for TS 5c meeting – Champion Scott Nussbaum</p> <p>WAQTC is re-proposing revisions that were approved on a TS ballot in 2015 but were held for other revisions that were pending. The WAQTC revisions were not on the full ballot</p> | |

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| | <p>with the other revisions. Scott Nussbaum, UDOT and WAQTC Treasurer, is prepared to discuss the revisions in the TS session.</p> <p><i>Scott Nussbaum, UDOT, will discuss the proposal during the TS 5c breakout session.</i></p> <p><i>T 309; Temperature of Freshly Mixed Hydraulic Cement Concrete</i> – on the agenda for TS 3b meeting– Champion Bill Lawrence</p> <p>The WAQTC is proposing the removal of a confusing statement concerning large size aggregate with a recommendation that if it were to remain, further action be clarified.</p> <p><i>Bill Lawrence, UDOT, will present the proposal at the TS 3b breakout session.</i></p> <p><i>Apparatus discrepancy</i> – on the agenda for TS 1a meeting – Champion John Bilderback</p> <ul style="list-style-type: none"> - <i>T 88, Particle Size Analysis of Soils</i> - <i>T 176; Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test</i> <p>John sent a letter to the TS 1a Chair, Charles (Andy) Babish, informing him that there are discrepancies in the descriptions and figures of the apparatus in these two methods.</p> <p><i>John Bilderback will discuss the discrepancies during the TS 1a breakout session.</i></p> <p><i>Density symbol reconciliation</i> – Champion John Bilderback</p> <ul style="list-style-type: none"> - <i>T 99, Moisture-Density Relations of Soils Using a 2.5-kg (5.5-lb) Rammer and a 305-mm (12-in.) Drop</i> – on the agenda for TS 1b meeting - <i>T 121; Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete</i> – on the agenda for the TS 3b meeting - <i>T 180, Moisture-Density Relations of Soils Using a 4.54-kg (10-lb) Rammer and a 457-mm (18-in.) Drop</i> – on the agenda for TS 1b meeting | <p>SCOTT NUSSBAUM</p> <p>BILL LAWRENCE</p> <p>JOHN BILDERBACK</p> |
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| TOPIC | Discussion / Decision | ACTION REQUIRED BY: |
| | <p>- <i>T 310; In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)</i> – on the agenda for TS 1b meeting</p> <p>The WAQTC is proposing using the term ρ (rho) to denote density as a common term in the listed standards.</p> <p><i>John Bilderback will discuss the proposal during the TS 1b and 3b breakout sessions.</i></p> | JOHN BILDERBACK |
| TRAINING DEVELOPMENTS TELECONFERENCE – FROM SPRING MEETING | <p>During the Spring meeting, it was suggested that member agencies provide information on their training efforts and platforms during a teleconference. Desna was asked to arrange a meeting date and time during the first two weeks of October for a two to three-hour teleconference.</p> <p><i>Desna Bergold will poll the member agencies for the best time to hold a teleconference during the first two week of October.</i></p> | DESNA BERGOLD |
| ADMINISTRATION MANUAL AND RPIH DISCUSSION REVISIONS – EDITORIAL? | <p><i>WAQTC Administration Manual and Registration, Policies, and Information Handbook (RPIH)</i></p> <p>During the QAC Summer meeting, the committee discussed minimum experience requirements for TTQP trainers. The <i>Administration Manual</i> does not address minimum years of experience but states a trainer should be qualified in the module they are training. The QAC wanted to know if the Board would consider adding further requirements. Larry ILG, ODOT, and Craig Wieden, CDOT, expressed concern that it would be difficult to make hiring decisions based on WAQTC requirements. There are too many issues. Scott Nussbaum, UDOT and WAQTC Treasurer, explained that including requirements will limit the agencies’ ability to hire the best candidate. The Board determined that the language currently in the <i>Administration Manual</i> is sufficient.</p> <p><i>No further action required.</i></p> <p><u><i>Revisions to the Administration Manual and Registration, Policies, and Information Handbook (RPIH)</i></u></p> <p>While reviewing the requirements for trainers in the <i>Administration Manual</i>, Desna noticed that it listed requirements for ‘future’ instructors. This seems to be a holdover from the beginning of the program. She recommends removing the term ‘future.’ This was approved.</p> | |

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| TOPIC | Discussion / Decision | ACTION REQUIRED BY: |
| | <p>Desna drafted revisions to the <i>Administration Manual</i> and <i>RPIH</i> to address the AASHTO title and number revisions.</p> <p><i>Revisions to the Administration Manual and RPIH were approved as editorial revisions.</i></p> | DESNA BERGOLD |
| WAQTC BROCHURE | <p>During the Spring meeting the Board decided to revise the WAQTC Brochure and remove quotes from former members of the Board and QAC. Oak Metcalfe, MDT, offered to submit a quote for the brochure to replace those removed.</p> <p><i>Oak Metcalfe will provide a statement about WAQTC for the WAQTC Brochure.</i></p> <p>Scott told the Board that UDOT recently displayed a poster about WAQTC at a Transportation Research Board (TRB) meeting on pooled funds. The poster presents much of the same information as the Brochure with additional information about becoming a WAQTC member agency. Desna will distribute the poster to the Board members</p> <p><i>The poster will be distributed to the Executive Board members.</i></p> | OAK METCALFE DESNA BERGOLD |
| RECIPROCITY AUDIT | <p>A Reciprocity Audit was last conducted in 2016, and the final report was distributed March 16, 2017. The <i>WAQTC Strategic Plan</i> requires an audit every three years.</p> <p>The Board considered the best time to conduct the 2019 audit and determined to wait until after the current construction season. Desna was instructed to send the Reciprocity Questionnaire to the member agencies in October and ask for responses within 30 days. The Reciprocity Report and Summary are to be distributed within 60 days after the Questionnaire is distributed.</p> <p>Desna asked for the best date to distribute the audit. The Board indicated that the audit should be distributed on Columbus Day, October 14, 2019.</p> <p><i>Desna will distribute the Reciprocity Audit on Columbus Day.</i></p> | DESNA BERGOLD |
| R 56 SURVEY – QAC | <p>The Board had asked the QAC to discuss the possibilities of a qualification for <i>AASHTO R 56; Certification of Inertial Profiling</i>. The QAC discussed many of the same issues the Board had discussed at the Spring meeting and recommended that the Board consider surveying member agencies on how they manage their programs.</p> | |

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| | <p>Scott said UDOT has a program that qualifies both equipment and personnel. He said he isn't strongly motivated to pursue a qualification. Oak agreed. The Board agreed that this isn't a priority and that there is no need to pursue it further.</p> <p><i>No further action required.</i></p> | |
| OTHER ITEMS | <p><i>WAQTC Consultant Contract</i></p> <p>Scott informed the Board that the current consultant contract is in its fifth year and is required to be advertised this year. He will begin working on this intending to have it complete and a consultant under contract before the current contract expires.</p> <p><i>Scott Nussbaum will work to advertise the WAQTC consultant contract and report to the Board.</i></p> | SCOTT NUSSBAUM |
| ADDITIONAL MEETING TIME | <p>Desna suggested that since there are many QAC related agenda items and Sean Parker, QAC Chair, and Misty Miner, QAC Vice Chair, were unable to arrive in time to attend the scheduled meeting, the Board consider scheduling another meeting during the Committee on Materials and Pavement (COMP) Annual meeting. The Board reviewed the COMP agenda and determined a time for a second meeting.</p> <p><i>An additional meeting will be held 8/5/19 at 3:30 pm. Desna Bergold will arrange a for a meeting room.</i></p> | DESNA BERGOLD |
| TTQP AGGREGATE EXAM PROPOSAL – QAC* | <p>During the QAC Summer meeting the committee discussed the FOP for AASHTO T 27/T 11 and its performance and written exams. Desna explained that there are three procedure methods: A, B, and C; each with its own PowerPoint presentation and Performance Exam Checklist. Member agencies have been allowed to train and evaluate technicians on the method(s) commonly used in their agency. Some have been training all three methods but evaluating the technician using one Performance Exam Checklist. The QAC wanted to be sure that this approach didn't affect reciprocity. Craig asked if all the methods met the AASHTO T 27. He was assured that the methods are different ways to combine AASHTO T 27 and AASHTO T 11, but all meet the requirements of both standards. The Board determined that as each method is a variation on the core standards, training and qualifying on one method is sufficient to receive reciprocity.</p> <p>The Board was also told that the written exam has had calculation questions relating to Method B only, but a couple of member agencies had revised the question to meet the method</p> | |

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| | <p>practiced in their agency. Some of the current QAC members did not realize that it was an option. The QAC would like the Board's approval to have alternate exams for each method. The Board approved.</p> <p><i>Individual written exams for the three T 27/T 11 methods will be included in the 2019 training materials.</i></p> | DESNA BERGOLD |
| TM 2 AASHTO PROPOSAL – QAC* | <p>Misty Miner, MDT and QAC Vice Chair, explained some of the differences between WAQTC TM 2 and <i>AASHTO R 60, Sampling Freshly Mixed Concrete</i>. R 60 requires obtaining multiple increments from the middle of the load. TM 2 allows a single increment after ½ cubic yd. has been discharged. This is similar to the method described in Note 3 of R 60 which allows for sampling for air content and slump testing after ¼ cubic yd. has been discharged.</p> <p>Misty wanted to know if the Board would support development of a method to submit to AASHTO. The Board considered some of the issues that would arise from developing another standalone practice for sampling fresh concrete. Oak offered to speak with Mick Syslo, TS 3b Chair, to get a sense of how such a practice would be received. The Board decided to wait for Oak's report.</p> <p><i>Oak Metcalfe will discuss development of a practice based on WAQTC TM 2 with the TS 3b Chair and report to the Board.</i></p> | OAK METCALFE |
| REVISIONS TO THE 2019 TRAINING MATERIALS – QAC * | <p><i>Revisions to the Transportation Technician Training Program (TTQP) training materials</i></p> <p>Sean and Misty presented the revisions to the Training Materials from the QAC Summer meeting.</p> <p><u>Discussion item</u></p> <p><i>FOP for AASHTO T 209; Theoretical Maximum Specific Gravity (G_{mm}) and Density of Asphalt Mixtures</i></p> <p>While reconciling the new <i>AASHTO T 209; Theoretical Maximum Specific Gravity (G_{mm}) and Density of Asphalt Mixtures</i> with the Field Operating Procedure (FOP), the QAC agreed to add a step to dry the plant produced sample to constant mass before determining G_{mm} to match the AASHTO method. Sean explained that the FOP has never had this step and that many of the QAC members were not in favor of including it. The QAC intends to propose a revision to AASHTO in 2020 removing the step from the method.</p> | |

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| | <p>The Board members were concerned with the addition of the step to the FOP and would like to see the AASHTO method revised. Oak offered to discuss the issue in the upcoming TS 2c meeting and determine what other states were doing. The Board decided to instruct the QAC not to incorporate this revision until there is more information.</p> <p><i>Revision to the FOP for AASHTO T 209 to dry the plant-produced sample to constant mass has been rejected pending more information.</i></p> <p><u>Other revisions</u></p> <p>The QAC reviewed and approved revisions to the FOPs and other training materials to match the AASHTO 2019 revisions. The training materials will also include updated graphics developed by D B Consulting, new pictures from Gilbert Arredondo, UDOT, and other editorial corrections throughout the training modules.</p> <p><u>Specific revisions requiring Board approval include:</u></p> <p><i>FOP for AASHTO T 27 /T 11; Sieve Analysis of Fine and Coarse Aggregates and Materials Finer Than 75-μm (No. 200) Sieve in Mineral Aggregates by Washing</i></p> <ul style="list-style-type: none"> - Including a mallet in the Apparatus section and its use in the Annex for shaker efficiency <p><i>FOP for AASHTO R 97; Sampling Asphalt Mixtures</i></p> <ul style="list-style-type: none"> - Adding sampling from conveyor belts, paver auger, windrow, and stockpiles to match the new AASHTO Practice <p><i>FOP for AASHTO R 47; Reducing Samples of Asphalt Mixtures to Testing Size</i></p> <ul style="list-style-type: none"> - Removing the Quartermaster mechanical splitter <p><i>FOP for AASHTO T 308; Determining the Asphalt Binder Content of Asphalt Mixtures by the Ignition Method</i></p> <ul style="list-style-type: none"> - Adding returning the furnace to the higher temperature if lowering the temperature doesn't improve the aggregate loss in the Annex. This is consistent with the AASHTO method. | |
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| | <i>These revisions were approved and will be included in the 2019 training materials.</i> | DESNA BERGOLD |
| QAC MEETING LOCATIONS – QAC | <p>The QAC proposes Reno, NV, for the location of the 2020 Winter meeting to be held January 27th through the 31st. The Board approved this location and date.</p> <p>The QAC proposed Farmington, Utah, for location of the 2020 Summer meeting to be held July 13th through the 17th.</p> <p>Desna informed the Board that she had communicated with the venue and they said that they could provide accommodations at GSA for the proposed dates but that their conference room is booked. There are other conference facilities in the area that are available at a higher rate. The conference room at the original location would be available a week before or a week after the proposed dates and cost less.</p> <p>The Board determined the date of the summer meeting should be moved to July 6th through the 10th.</p> <p><i>The proposed QAC meeting locations are approved. The Summer meeting date will be moved one week earlier.</i></p> | DESNA BERGOLD |

*Agenda items discussed during the Aug. 5th portion of the meeting.