

# WAQTC EXECUTIVE BOARD

## 2020 JULY MEETING MINUTES

**MEETING CALLED BY:** JOHN BILDERBACK,  
CHAIR

**RECORDER:** DESNA BERGOLD, COORDINATOR

**DATE:** JULY 27, 2020

**TIME:** 1:00 PM MDT

**LOCATION:** <https://meet.google.com/prp-bnfy-ezo>

**ATTENDEES:**

JOHN BILDERBACK, CHAIR, ITD  
LARRY ILG, ODOT, VICE CHAIR  
L. SCOTT NUSSBAUM, TREASURER, UDOT  
CRAIG WIEDEN, CDOT  
OAK METCALFE, MDT  
MATT LINNEMAN, NDDOT  
GARRETT WEBSTER, WSDOT  
SEAN PARKER, QAC CHAIR  
MISTY MINER, QAC VICE CHAIR  
LORI COPELAND, ITD  
SHARON TAYLOR, NDDOT  
GILBERT ARREDONDO, UDOT  
KEVIN BURNS, WSDOT  
RANDY MAWDSLEY, WSDOT  
SONYA PUTERBAUGH, AASHTO RE:SOURCE

**ABSENT:**

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

**AGENDA ITEMS / OBJECTIVES:**

**1. Report on previously proposed revisions**

- a. *R 25, Technician Training and Qualification Programs (TS 5c)* – Champion Scott Nussbaum -
- b. *T 309, Temperature of Freshly Mixed Hydraulic Cement Concrete (TS 3b)* – Champion Bill Lawrence – Sean Parker report
- c. *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)*

- ii. *T 180, Moisture-Density Relations of Soils Using a 4.54-kg (10-lb) Rammer and a 457-mm (18-in.) Drop* (TS 1b)
- iii. *T 310, In-Place Density and Moisture Content of Soil and Soil-Aggregate*

**2. Proposed AASHTO revisions from QAC:**

- a. *R 35, Superpave Volumetric Design for Asphalt Mixtures* – Champion Oak Metcalfe – sent to TS 2d Task Force – TS 2d meeting: 8/4 12:00 pm EST
- b. *T 23, Making and Curing Concrete Test Specimens in the Field* – Champion Sean Parker – TS 3b meeting: 7/30 2:00 pm EST
- c. *T 30, Mechanical Analysis of Extracted Aggregate* – Champion John Bilderback – TS 2c meeting: 8/5 1:00 pm EST
- d. *T 85, Specific Gravity of Coarse Aggregate* – Champion John Bilderback – TS 1c meeting: 8/5 3:00 pm EST
- e. *T 88, Particle Size Analysis of Soils* – Champion Sean Parker – TS 1a meeting: 8/6 12:00 pm EST
- f. *T 121, Density (Unit Weight), Yield, and Air Content (Gravimetric of Concrete)* – Champion Sean Parker – TS 3b meeting: 7/30 2:00 pm EST
- g. *T 152, Air Content of Freshly Mixed Concrete by the Pressure Method* – Champion Sean Parker – TS 3b meeting: 7/30 2:00 pm EST
- h. *T 166, Bulk Specific Gravity ( $G_{mb}$ ) of Compacted Asphalt Mixtures Using Saturated Surface-Dry Specimens* – Champion Larry Ilg – TS 2c meeting: 8/5 1:00 pm EST
- i. *T 209, Theoretical Maximum Specific Gravity ( $G_{mm}$ ) and Density of Asphalt Mixtures* – Champion Larry Ilg – TS 2c meeting: 8/5 1:00 pm EST
- j. *T 272, One-Point Method for Determining Maximum Dry Density and Optimum Moisture* – Champion Matt Linneman – TS 1b meeting: 7/30 4:00 pm EST
- k. *T 283, Resistance of Compacted Asphalt Mixtures to Moisture* – Champion Oak Metcalfe – TS 2d meeting: 8/4 12:00 pm EST
- l. *T 308, Determining the Asphalt Binder Content of Asphalt Mixtures by the Ignition Method* – Champion Oak Metcalfe – TS 2c meeting: 8/5 1:00 pm EST
- m. *T 312, Asphalt Mixture Specimens by Means of the Superpave Gyrotory Compactor* – Champion John Bilderback – TS 2d meeting: 8/4 12:00 pm EST
- n. *T 329, Moisture Content of Asphalt Mixtures by Oven Method* – Champion John Bilderback – TS 2c meeting: 8/5 1:00 pm EST
- o. *T 331, Bulk Specific Gravity ( $G_{mb}$ ) and Density of Compacted Asphalt Mixtures Using Automatic Vacuum Sealing Method* – Champion Larry Ilg – TS 2c meeting: 8/4 1:00 pm EST

**3. Revisions to Administration Manual and Registration, Policies, and Information Handbook (RPIH)**

- a. Addition of SCC
- b. Editorial revision in Annex A
- c. Revise 4<sup>th</sup> bullet under Objectives

- d. Addition of combined EBTT/DTT
4. Revisions to the 2020 training materials – QAC
  - a. SCC Module
  - b. Rounding revision in ‘Background’
  - c. EBTT/DTT combined qualification
  - d. Annexes to state ‘Mandatory Information’
  - e. Humphres discussion removed and introduction to TM 15 and TM 17 added to ‘Basics of Compaction and Density Control’
  - f. T 209 weighted avg. to match AASHTO
5. FOP library – ready for inclusion in the 2020 Training Materials
  - a. FOP for AASHTO T 84, Specific Gravity of Fine Aggregate
  - b. FOP for AASHTO R 79, Vacuum Drying Compacted Asphalt Specimens
  - c. FOP for AASHTO T 331, Bulk Specific Gravity ( $G_{mb}$ ) and Density of Compacted Asphalt Mixtures Using Automatic Vacuum Sealing Method
  - d. WAQTC TM 15, Determining the Percentage of Flat and Elongated Particles in Coarse Aggregate
  - e. WAQTC TM 17, Determination of Theoretical Maximum Dry Density of Granular Soils and Soil/Aggregates for Use as a Density Standard
6. FOP Library – Propose developing an FOP for AASHTO R 60, Sampling Fresh Concrete – from QAC
7. Board Chair transition
8. Consultant contract
9. QAC meeting locations – QAC
10. Other items

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TOPIC	Discussion / <i>Decision</i>	ACTION REQUIRED BY:

WELCOME	John Bilderback, ITD and WAQTC Executive Board Chair, welcomed the attendees, especially those from the Qualification Advisory Committee (QAC), to the meeting.	
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REPORT ON 2019 AASHTO PROPOSALS

PREVIOUS PROPOSALS	<p><i>R 25, Technician Training and Qualification Programs</i> Champions Sean Parker, ODOT and QAC Chair, and Scott Nussbaum, UDOT and Executive Board Treasurer</p> <p><u>Status of previous proposal</u></p> <p>In 2015, WAQTC proposed revisions to R 25. The revisions included adding references to the Appendixes and corresponding references in the reference section, removing ‘flexible’ from Section 3.1, and adding ‘subordinates’ to the Section 7.2, <i>Examination Controls and Integrity</i>. The 2015 proposed revisions were lost and were re-proposed in 2019. According to the ASHTO Committee on Materials and Pavement (COMP) Annual Meeting minutes, the revisions will be made by the Chair and are considered editorial. These revisions were not made in 2020 Release 1. Scott contacted Curt Turgeon, Technical Subcommittee (TS) 5c Chair, Curt indicated that he would try to make the revisions editorially.</p> <p><i>Scott Nussbaum will follow up with Curt after the AASHTO COMP Annual meeting.</i></p>	SCOTT NUSSBAUM
	<p><i>T 309, Temperature of Freshly Mixed Hydraulic Cement Concrete (TS 3b) – Champion Bill Lawrence – Sean Parker, reporting</i></p> <p><u>Status of previous proposal</u></p> <p>The revisions proposed in 2019 were approved for ballot during the 2019 annual meeting but the revisions that were balloted and incorporated were different.</p> <p>Sean has been in contact with Mick Syslo, TS 3b Chair, and the original proposed revisions are on the agenda for discussion during the 2020 Annual meeting.</p> <p><i>Sean Parker will discuss the proposal at the TS 3b meeting.</i></p>	SEAN PARKER

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	<p><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></p> <p><i>T 180, Moisture-Density Relations of Soils Using a 4.54-kg (10-lb) Rammer and a 457-mm (18-in.) Drop</i></p> <p><i>T 310, In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)</i></p> <p><u>Status of previous proposals</u></p> <p>WAQTC proposed revising T 99 and T 180 in 2019 to replace the variables <math>W</math> and <math>D</math> with <math>\rho</math> to represent density in calculations. This was approved as an editorial revision but was not on the files in AASHTO Release 3. Matt Linneman, NDDOT and TS 1b Vice Chair, said that Georgene Geary, an AASHTO consultant, has made the revisions but he is not sure if it made the publication deadline for Release 3.</p> <p><i>Desna Bergold, D B Consulting and WAQTC Coordinator, will review Release 3 and report.</i></p>	<p>DESNA BERGOLD</p>
CURRENT PROPOSALS	<p><i>R 35, Superpave Volumetric Design for Asphalt Mixtures</i></p> <p>WAQTC is proposing a reference update, <i>SP 2, Superpave Mix Design</i>, to <i>MS 2, Asphalt Mix Design Methods</i>, which incorporates SP 2 in its 7th Edition.</p> <p>Oak Metcalfe, MDT and TS 2d Chair, has forwarded this to the Task Force that is already revising this Standard.</p> <p><i>Desna will verify that this revision is in the Standard when the Task Force's revisions are balloted.</i></p> <p><i>T 23, Making and Curing Concrete Test Specimens in the Field – Champion Sean Parker – TS 3b</i></p> <p>WAQTC is recommending a correction to the rod dimensions in Table 1 and revising the Standards designation from a Test Method (T) to a Practice (R)</p> <p>Sean is assured that the proposed revisions are on the TS 3b agenda.</p> <p><i>Sean Parker will discuss the proposal during the TS 3b meeting.</i></p>	<p>DESNA BERGOLD</p> <p>SEAN PARKER</p>

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	<p><i>T 30, Mechanical Analysis of Extracted Aggregate – Champion John Bilderback – TS 2c</i></p> <p>WAQTC is proposing removing information regarding the use of large sieves and large sieve openings from the Table A1, Maximum Allowable Mass of Material Retained on a Sieve. T 30 is performed on material from T 164 (extraction) and T 308 (ignition oven) both of which are performed on material and sample sizes that do not require these sieves.</p> <p><i>John Bilderback will discuss the proposal during the TS 2c meeting.</i></p> <p><i>T 85, Specific Gravity of Coarse Aggregate – Champion John Bilderback – TS 1c</i></p> <p>WAQTC is proposing the addition of a reference for drying to constant mass. John has asked Misty Miner, MDT and WAQTC Vice Chair, to represent WAQTC during the TS 1c meeting.</p> <p><i>Misty Miner will discuss the revisions during the TS 1c meeting.</i></p> <p><i>T 88, Particle Size Analysis of Soils – Champion Sean Parker – TS 1a</i></p> <p>WAQTC is proposing adding isopropyl alcohol to dispel foam, making Note 7 part of the step, and deleting Figure 5 as it does not agree with the apparatus reference.</p> <p><i>Sean Parker will discuss the proposal during the TS 1a meeting</i></p> <p><i>T 121, Density (Unit Weight), Yield, and Air Content (Gravimetric of Concrete) – Champion Sean Parker– TS 3b</i></p> <p>WAQTC is proposing minor revisions for clarity and consistency.</p> <p><i>Sean Parker will discuss the proposal during the TS 3b meeting.</i></p> <p><i>T 152, Air Content of Freshly Mixed Concrete by the Pressure Method) – Champion Sean Parker – TS 3b</i></p>	<p>JOHN BILDERBACK</p> <p>MISTY MINER</p> <p>SEAN PARKER</p> <p>SEAN PARKER</p>

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	<p>WAQTC is proposing minor revisions for clarity and consistency. <i>Sean Parker will discuss the proposal during the TS 3b meeting.</i></p> <p><i>T 166, Bulk Specific Gravity (<math>G_{mb}</math>) of Compacted Asphalt Mixtures Using Saturated Surface-Dry Specimens – Champion Larry Ilg – TS 2c</i></p> <p>WAQTC is proposing using the term ‘specimens’ throughout instead of using ‘sample’ and ‘specimens’ interchangeably. Also, changing the temperature in the water bath from <math>77 \pm 1.8^{\circ}\text{F}</math> to <math>77 \pm 2^{\circ}\text{F}</math> to agree with T 209. <i>Larry Ilg will discuss the proposal during the TS 2c meeting.</i></p> <p><i>T 209, Theoretical Maximum Specific Gravity (<math>G_{mm}</math>) and Density of Asphalt Mixtures– Champion Larry Ilg – TS 2c</i></p> <p>WAQTC is proposing revisions in apparatus, removing requirement to dry samples to constant mass, corrections in the Annex, and other revisions for clarity. <i>Larry Ilg will discuss the proposal during the TS 2c meeting.</i></p> <p><i>T 272, One-Point Method for Determining Maximum Dry Density and Optimum Moisture– Champion Matt Linneman – TS 1b</i></p> <p>WAQTC is proposing removing ‘or’ from 6.1.1 because both 6.1.1 and 6.1.2 must be performed. <i>Matt Linneman will discuss the proposal during the TS 1b meeting.</i></p> <p><i>T 283, Resistance of Compacted Asphalt Mixtures to Moisture – Champion Oak Metcalfe – TS 2d</i></p> <p>The WAQTC proposed revisions to this method are extensive. Sean presented the revisions during the TS 2d mid-year webinar which was being balloted in the TS. Oak will discuss the revisions made in response to the TS Ballot during the TS meeting.</p>	<p>SEAN PARKER</p> <p>LARRY ILG</p> <p>LARRY ILG</p> <p>MATT LINNEMAN</p>

TOPIC	Discussion / Decision	ACTION REQUIRED BY:
	<p><i>Oak Metcalfe will discuss the proposal during the TS 2d meeting.</i></p> <p><i>T 308, Determining the Asphalt Binder Content of Asphalt Mixtures by the Ignition Method – Champion Oak Metcalfe – TS 2c</i></p> <p>WAQTC proposed revisions include a step to reset the internal balance, changing ‘flat pan’ to ‘container,’ and rewording Section 7.2.</p> <p><i>Oak Metcalfe will discuss the proposal during the TS 2c meeting.</i></p> <p><i>T 312, Asphalt Mixture Specimens by Means of the Superpave Gyrotory Compactor – Champion Oak Metcalfe – TS 2d</i></p> <p>WAQTC revisions include updating referencing and using the term ‘asphalt mixtures, instead of ‘HMA.’</p> <p>Oak expects these revisions are editorial.</p> <p><i>Oak Metcalfe will discuss the proposal during the TS 2c meeting.</i></p> <p><i>T 329, Moisture Content of Asphalt Mixtures by Oven Method – Champion John Bilderback – TS 2c</i></p> <p>WAQTC proposed revision is to update a reference to T 168 with R 97.</p> <p><i>John Bilderback will discuss the proposal during the TS 2c meeting.</i></p> <p><i>T 331, Bulk Specific Gravity (<math>G_{mb}</math>) and Density of Compacted Asphalt Mixtures Using Automatic Vacuum Sealing Method – Champion Larry Ilg – TS 2c</i></p> <p>It appears that the method has had multiple changes resulting in contradictions and extra steps. WAQTC proposed revisions are to remove extra steps and clean up the wording.</p> <p><i>Larry Ilg will discuss the proposal during the TS 2c meeting.</i></p>	<p>OAK METCALFE</p> <p>OAK METCALFE</p> <p>OAK METCALFE</p> <p>JOHN BILDERBACK</p> <p>LARRY ILG</p>



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FROM QAC SUMMER MEETING

<p>ADMIN MANUAL AND RPIH</p>	<p><i>Administration Manual and Registration, Policies, and Information Handbook</i></p> <p>Desna presented the QAC proposed revisions to the <i>Administration Manual and Registration, Policies, and Information Handbook (RPIH)</i>.</p> <p>The Self-Consolidating Concrete Transportation Technician (SCCTT) module is ready for implementation and will be included where other modules and qualifications are listed. The ‘Qualification Processes and Mandatory Test Methods’ will be included in Annex A. Scott asked why the recommended course size is 20 – 30 participants. He indicated that UDOT’s courses are usually much smaller. Desna said that she based the SCCTT Qualification Process on the Concrete Transportation Technician (CTT) Qualification Process. If smaller course sizes should be recommended, the sections can be revised. Sean said that the larger course sizes for the CTT is because some agencies order a load of fresh concrete and have day long performance exams. Scott had not realized that the CTT courses size was the same as the proposed SCCTT and decided he would not propose a revision at this time.</p> <p>Transportation Technician Qualification Program (TTQP) representative for ITD will be updated.</p> <p>The 4<sup>th</sup> bullet under ‘TTQP Objectives’ will be revised to say, ‘equivalency of qualification’ instead of ‘equality of qualification.’</p> <p>Editorial revisions in Annex A include listing test methods in the order that they appear in the training materials, combining the references to T 99/T 180 to match the references to T 255/T 265 that are also combined test methods, and revising AASHTO titles to match the AASHTO methods.</p> <p>These revisions were approved by the Board.</p> <p><i>Revisions to the Administration Manual and Registration, Policies, and Information Handbook will be included in the 2020 update.</i></p>	<p>DESNA BERGOLD</p>
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<p>2020 Training Materials</p>	<p><i>Revisions to the 2020 Training Materials</i></p> <p>The QAC proposed revisions to the training materials were presented.</p> <p>The Self-Consolidating Concrete (SCCTT) training materials are ready to be included in the 2020 update.</p> <p>The ‘Background on Measurements and Calculations’ section that is included in all the modules has a brief discussion on rounding. This section is confusing and does not clearly convey the information on rounding numbers that end with 5. The QAC has revised this section. The QAC also requested that a section be added that states how WAQTC training materials are rounding numbers that end with 5.</p> <p style="padding-left: 40px;">‘When rounding numbers that are followed by exactly 5, follow agency guidelines. For the purpose of WAQTC training, if the number being rounded is followed by a 5, the number is increased by 1.’</p> <p>The Board is aware that not all member agencies will round according to this statement but for training purposes it will be consistent.</p> <p>The Embankment and Base and In-Place Density training materials will be updated as approved at the Spring Meeting. There will be an Embankment and Base (EBTT) Participant Workbook, an In-Place Density (DTT) Participant Workbook, and a combined Embankment and Base/In-Place Density (EBTT/DTT) Participant Workbook in the 2020 Training Materials. The materials will also include written exams for all of these permutations.</p> <p>WAQTC follows AASHTO’s convention that Annexes are mandatory, and Appendixes are non-mandatory, all of the technicians may not be aware of this distinction. The QAC proposes including ‘Mandatory Information’ at the beginning of Annexes.</p> <p>Now that WAQTC has developed <i>WAQTC TM 15, Laboratory Maximum Dry Density of Granular Soil and Soil/Aggregate</i>, and <i>WAQTC TM 17, Determination of Theoretical Maximum Dry Density of Granular Soil and Soil/Aggregate for Use as a Density Standard</i>, the discussion of the use of the Humphres curve and associated agency test methods in the training manuals should be removed and a discussion of TM 15 and TM</p>	
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	<p>17 be included in the <i>Basics of Compaction and Density Control</i>.</p> <p>The AASHTO T 209 method added a weighted average calculation for samples that are tested in increments. The AASHTO method was previously silent on how the results are to be combined. The FOP for AASHTO T 209 used a straight average. The QAC proposed revising the FOP to match the AASHTO and include an example.</p> <p>The titles of some of the FOPs will be revised to match the AASHTO titles where there was a discrepancy.</p> <p>Other revisions to the training materials are editorial or slight revision for clarity.</p> <p><i>The QAC proposed revisions to the 2020 training materials are approved.</i></p>	
FOP LIBRARY	<p>The following new FOPs are ready to be included in the FOP Library:</p> <ul style="list-style-type: none"> <li>– FOP for AASHTO T 84, Specific Gravity of Fine Aggregate</li> <li>– FOP for AASHTO R 79, Vacuum Drying Compacted Asphalt Specimens</li> <li>– FOP for AASHTO T 331, Bulk Specific Gravity (<math>G_{mb}</math>) and Density of Compacted Asphalt Mixtures Using Automatic Vacuum Sealing Method</li> <li>– WAQTC TM 15, Determining the Percentage of Flat and Elongated Particles in Coarse Aggregate</li> <li>– WAQTC TM 17, Determination of Theoretical Maximum Dry Density of Granular Soils and Soil/Aggregates for Use as a Density Standard</li> </ul> <p><i>The Executive Board approved the inclusion of the new FOPs in the FOP Library.</i></p>	
FOP FOR AASHTO R 60	<p><i>FOP for AASHTO R 60, Sampling Fresh Concrete</i></p> <p>The QAC would like to develop an FOP for AASHTO R 60 for the FOP Library. Some agencies require this sampling method in certain situations and contracts.</p>	

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	<p>Oak indicated that he would support this effort as MDT does require this sampling method at times. The Board agreed that it would be good to develop it for the library.</p> <p><i>The QAC will develop an FOP for AASHTO R 60 for the FOP Library.</i></p>	QAC
BOARD CHAIR TRANSITION	<p>Before the meeting, Larry asked Desna how the Executive Board Chair transitions to the Vice Chair and when that would take place.</p> <p>Desna reviewed the WAQTC Bylaws. The length of a Chair's term is two years. John Bilderback became Chair after a Special Election in July 2019. John has one more year on his term as Chair.</p> <p><i>Discussion item, no action necessary.</i></p>	
CONSULTANT CONTRACT	<p>Scott reported that after extending the contract he, John, and UDOT will begin the process of advertising for a new consultant contract. According to the Transportation Pooled Fund guidelines, consultant contracts must be publicly advertised at least every five years.</p> <p>Scott noted that because WAQTC has not expended funds on travel for the QAC Summer Meeting and AASHTO COMP Annual meeting, WAQTC has more funds to obligate to a new contract. This will make the transition a bit easier.</p> <p><i>Scott Nussbaum and John Bilderback will prepare a Request for Qualifications (RFQ) which UDOT will advertise.</i></p>	SCOTT NUSSBAUM  JOHN BILDERBACK
QAC MEETING LOCATIONS	<p>It is unknown if 'in person' meetings will be feasible in the coming year. The QAC is proposing continuing with the interrupted schedule when 'in person' meetings' are an option.</p> <p>The 2021 Winter Meeting will be held Jan. 25<sup>th</sup> through the 29<sup>th</sup>. If this meeting can be held in person, Reno NV is proposed.</p> <p>The 2021 Summer Meeting will be held July 19<sup>th</sup> through the 23<sup>rd</sup>. If this meeting can be held in person, Farmington UT, the location originally planned for the 2020 Summer Meeting, is proposed.</p> <p>If these meetings are not to be held 'in person,' they will be scheduled as virtual meetings.</p>	

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	<p>Randy Mawdsley, WSDOT, asked that the Board have a deadline to determine whether the meetings will be in person or virtual. He suggested that the decision be made by Oct. 31<sup>st</sup> for the Winter Meeting and Feb. 15<sup>th</sup> for the Summer meeting. The Board agreed.</p> <p><i>The locations are approved if the QAC meetings are to be held in person.</i></p> <p><i>The Board will decide if the meetings are to be held in person or virtually by the dates listed.</i></p>	EXECUTIVE BOARD MEMBERS
OTHER ITEMS	<p>Oak asked if the members like the new <i>AASHTO Standards Specifications for Transportation Materials</i> PDF format. A PDF is now being made available to subscribers for each release. No one had anything positive to say. Because the PDF requires a sign in it is difficult for others in the organization to access the PDF.</p> <p>To find a Standard one must know which ‘Group’ it is in to determine which ‘Release’ to look in.</p> <p>Desna also said that as an individual subscriber, it was very convenient to toggle through earlier editions of a standard in the online version.</p> <p>Oak thanked everyone for their feedback.</p> <p><i>Discussion item, no action necessary.</i></p> <p>Larry asked if anyone uses the TC3 Inspector training. ODOT is considering using it for the lecture portions of training.</p> <p>Oak said he has done some of the ‘learn at your own pace’ training and was happy with it. Oak thinks that some agencies require some TC3 training for advancement, he may discuss it during a COMP round table.</p> <p>Matt say that they have a list of preferred TC3 training as prerequisites to their in-house training.</p> <p>Sharon says they also use ASTM COMPASS training which follows the ACI training. UDOT and CDOT uses the Construction Inspector training.</p> <p><i>Discussion item, no action necessary.</i></p>	