

WAQTC QUALIFICATION ADVISORY COMMITTEE MEETING MINUTES

CHAIRMAN : Garth Newman
FACILITATOR :
RECORDER : Garth Newman

DATE : January 23 thru 27, 2006
TIME : Start 7 am each day

MEMBERS PRESENT

Greg Chistensen, AKDOT-PF Bob Briggs, WSDOT
Desna Bergold, UDOT
Sean Parker, ODOT
Garth Newman, ITD
Jeffery Rayman MTDOT

GUESTS

Bruce Wasill – WFL -HD

MEMBERS ABSENT

Joan Nakamura, HDOT David Belser TXDOT
Alan Hotchkiss CDOT Brian Legan, NMSHTD

MEETING OBJECTIVE :

1. AASHTO Test method review and revisions
2. Other issues
3. Work assignments

PLEASE RESPOND TO YOUR ACTION ITEMS.

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ISSUE	DISCUSSION	DECISION	ACTION REQUIRED
<p>1) AASHTO Revisions</p> <p>A) Aggregate NMS</p> <p>T 176</p>	<p>There seems to be a great deal of confusion about the definition of “Nominal Maximum Size”.</p> <p>The executive committee agreed to use the Superpave Definition in 1997. Not every member is doing this. Some are using the definition across the board others are only using the Superpave definition for HMA.</p> <p>The concern is with confusion on how to determine sample size and having a different definition for different aggregate type’s i.e. concrete, bases, HMA.</p> <p>Bob Briggs handed out a report he develop a few years ago on all the differing definitions of “Nominal Maximum Size”</p> <p>T 176 (sand Equivalent) is a very old method and doesn’t fit the set up of more recent methods</p> <p>In the procedure area there was a no explanation of where / how the sample is obtained.</p>	<p>The group asked Bob to update his report.</p> <p>This will be presented to the Executive committee to take to the AASHTO subcommittee to try to reduce these definitions to a single one.</p> <p>Create areas: Reference Documents Significance and Use & Sampling</p>	<p>BOB BRIGGS DUE DATE 3-1-06</p> <p>GARTH NEWMAN to Executive Committee</p>
<p>B) Asphalt</p> <p>T308</p> <p>Ignition Furnace</p> <p>T 30</p> <p>Gradation</p>	<p>T 308 has been revised by AASHTO again. It was felt by the group that a complete revamp of the method was needed. The reasoning being that each year of its existence this method has been added to but it has never been looked at as a compete method. We found numerous areas where repetitious language occurred. This method didn’t flow well. Also it was apparent that in the correction factor section a tester couldn’t determine at what point an aggregate correction factor should be developed.</p> <p>T 30 does not include use of the aggregate from T 308 (the ignition furnace). It also does not refer to T 308 in any way. This method also has conflicting language or doesn’t contain language in T 27 and T 11</p>	<p>This method was completely reworked to create a better flow to the method and now more closely follows the AASHTO development guidelines If an aggregate was found to have breakdown concerns it should be evaluated the same way as the Asphalt binder correction factor is developed. Asphalt binder is affected by the furnace temperature and the length of time taken to burn the sample. This would be the same for aggregate.</p> <p>This method was modified to represent aggregate taken from T 308 Language imported From T 11 & T 27</p>	<p>GARTH NEWMAN to Executive Committee</p> <p>GARTH NEWMAN to Executive Committee</p>

ISSUE	DISCUSSION	DECISION	ACTION REQUIRED
<p>T 329 Moisture</p>	<p>This is a new method developed from an OLD WAQTC method.</p> <p>A larger sample size is needed. Temperatures on constant mass needs to be lowered. We can heat the sample up to 230° +- 9° F without damaging the mix.</p>	<p>Revise sample size. When calculating and reporting moisture content to 0.01 % you must have at least a 1000 g sample. This moisture content is subtracted from the Asphalt binder content (0.01%)</p> <p>Temperature was lowered because Asphalt binder can be lost when using (AC 2.5 or AC 5) which Alaska uses. Lower limit (221° F) however doesn't exceed JMF mixing Temp.</p>	<p>GARTH NEWMAN to Executive Committee</p>
<p>T328 Splitting</p>	<p>This is a new method developed from a OLD WAQTC method. But did not include methods use by WAQTC members.</p>	<p>We moved all the mechanical splitters together.</p> <p>Added a quartering method (quartering once)</p> <p>Added incremental method (WaDOT Loaf method)</p> <p>Find old report on Loaf method</p>	<p>GARTH NEWMAN to Executive Committee</p> <p>BOB BRIGGS DUE DATE 3-1-06</p>
<p>T 166 Bulk Gravity</p>	<p>The sample drying time once the puck in removed from the bath was very loose (as quickly as possible)</p>	<p>Defined as quickly as possible</p>	<p>GARTH NEWMAN to Executive Committee</p>
<p>T209 Max Gravity</p>	<p>The table in 209 said "Largest Particle Size" which has no definition</p>	<p>Change to Nominal Maximum Size and Superpave definition. This matches other HMA procedures</p>	<p>GARTH NEWMAN to Executive Committee</p>

Mixing HMA			
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ISSUE	DISCUSSION	DECISION	ACTION REQUIRED
<p>2) Other Issues Superpave</p>	<p>Discussion about revival of a Superpave module. A Superpave module was developed by UNR and was piloted in Utah. UDOT felt that it missed the mark and took on the task of revising it. UDOT has been teaching this module successfully for 3 years.</p>	<p>Desna will sent the module to each of the QAC team for review</p>	<p>DESNA BERGOLD to QAC members</p>
<p>Mixing to produce HMA</p>	<p>While working on AASHTO T 308 it became apparent that the physical part of mixing specimens for the calibration samples or Superpave gyratory specimen.</p> <p>The difficulty comes on how to build the aggregate gradation. Many of the WAQTC agencies have their own methods either written down. along with a method for Hveem. However Superpave does not cover this in SP-2.</p>	<p>Review every ones criteria and make a recommendation for a new AASHTO Test method for blending aggregates to produce HMA test specimens.</p> <p>Submit to Garth by February 15th your agencies method for aggregate blending.</p> <p>Contact ARML for their procedure. Contact NIAT for their blending procedure. Contact John Epps to confirm how Westrac blended samples.</p> <p>Compile methods & review compilation at July meeting</p>	<p>ALL MEMBERS</p> <p>GARTH NEWMAN</p>
	<p>Garth to send all revised test methods to QAC members with expectation they will review with their AASHTO assigned Engineer</p>		
<p>QAC Next Meeting</p>	<p>SECOND OR THIRD WEEK OF JULY</p>	<p>Recommend Coeur'd Alene again to Executive committee.</p>	<p>GARTH NEWMAN to Executive Committee</p>