

WACA/WSDOT Meeting

Minutes for Wednesday, December 12, 2012

Attendees:

Mike Polodna, WSDOT	Kevin Wolf, CalPortland	Dick Boss, Cadman
Allan Kramer, Lehigh NW	Robert Raynes, Cemex	Neil Guptill, CalPortland
Monica Jones, Lafarge NA	Craig Matteson, Oldcastle	Scott DiLoreto, BASF
Tom Weist, Oldcastle Precast	Keith Muhich, Miles Sand & Gravel	Steve Ford, Miles Sand & Gravel
Bruce Chattin, WACA	Stuart Bennion, WSDOT	

Location: WACA Office in Des Moines

Next WACA Meeting Date:

Wednesday, March 6, 2013 at WSDOT HQ Mats Lab, Main Conf Room, 9:30 AM – 12:00 Noon

Future WACA Meetings Dates:

Wednesday, June 12, 2013 at WACA's Office in Des Moines, 9:30 AM – 12:00 Noon

Note that this meeting has been moved to the 2nd Wednesday of the month.

Wednesday, Sept 4, 2013 at WSDOT HQ Mats Lab, Main Conf Room, 9:30 AM – 12:00 Noon

Wednesday, December 11, 2013 at WACA's Office in Des Moines, 9:30 AM – 12:00 Noon

Meeting Minutes are available at:

<http://www.wsdot.wa.gov/Business/MaterialsLab/WACAMinutes.htm>

Issue: Degradation for concrete Aggregate/Base Course – Kurt Williams

A research study is on-going to test the effect of using aggregate with low degradation values in concrete mixes.

12/12/12 – Bob Raynes reviewed his concerns with the report and how the study was conducted and expressed that in his view the study is flawed and the report is not accurate and did not want WACA to be seen as concurring with the results. Many of the industry members present expressed agreement with Bob's views.

9/5/12 – Mike Polodna distributed the final report to WACA members in August. Most members had not had time to review prior to today's meeting. Kurt Williams summarized that the report indicated a risk of concrete degradation when using low degradation aggregate, and that the current limit in the WSDOT specification will remain unchanged based on this study. He also reported that the funding has been expended and WSDOT will not continue further studies of this subject.

Action Plan: Topic concluded.

Issue: Standard Specification 9-23.8 Waterproofing – Jason Brewer/Scott Diloreto

Are changes needed to this specification? Should WSDOT be specifying ASTM C 1585 instead of ASTM C 642?

12/12/12 – Scott reported that the issue requires further review.

9/5/12 – Mike Polodna had some concerns regarding the BASF proposed specification for waterproofing. Scott Diloreto will review his concerns and address at the next meeting.

Action Plan: Continue the discussion at the next meeting.

Issue: Trial Batches for Concrete Overlay Mixes in WSDOT 6-09.3(3)B & C – Craig Matteson

Discussion on prescriptive mixes in 6-09.3(3)B and C. Both these mixes are prescription designs right down to the coarse & fine aggregate ratios, cement contents and W/C ratios. Are we required to run a trial batch for 5- 28 day compressive results, as there is no compressive strength specified?

12/12/12 – Prior to today's meeting, Mark Gaines reported to Mike Polodna that he was not able to get a copy of the CTL report. At the time this was discussed, no representative of the WSDOT Construction Office was present and the topic was tabled until next meeting.

9/5/12 – John Harris reported that there was no debonding on the SR 97 Omak and Tonasket projects. Mark Gaines was not in attendance to provide more information on the reported debonding on the Nalley Valley overlay.

6/13/12 – There was discussion regarding the reported debonding along a joint between adjacent lanes on a slag overlay job completed last year. Rob Shogren requested a copy of the CTL report.

Action Plan: Continue the discussion at the next meeting.

Issue: Acceptance of Pumped Concrete – Bruce Chattin

It is well known that pumping can change the air content of the concrete. WSDOT requires that sampling be conducted from the end of the delivery system, after the concrete is pumped, and leaves it to the contractor to determine how to get it there within the required specification.

12/12/12 – Stuart Bennion is the new WSDOT Construction Office representative and we spent some time updating him on the issue. Stuart asked that WACA present their argument for changing the specification at the next WACA meeting. If he determines that WACA has a good argument then he would get WACA on the next AGC/WSDOT agenda. WACA agreed to prepare their argument and present it at the March WACA/WSDOT meeting.

9/5/12 – Bruce Chattin reported that WACA has not met with AGC/WSDOT to discuss implementing pump certification and operator qualifications.

6/13/12 Bruce was not in attendance and the topic was tabled until his next meeting.

3/7/12 There was further discussion of the topic. WSDOT stated their intention of continuing to test at the end of the pump. The March, May, June, and July 2003 AGC/WSDOT Structures Team Meeting minutes indicate that the requirement for pumper certification was discussed and it was removed from the WSDOT Standard Specifications at that time. The reasons stated were that it had not been enforced and that it added no value to the quality of the concrete.

Action Plan: WACA will present their proposal for change at the next meeting.

Issue: WSDOT Standard Specification 1-06.3 Manufacturer's Certification of Compliance – Greg McKinnon

Greg McKinnon of Stoneway Concrete inquired if the "corporate official" part of this specification applies to concrete.

The Manufacturer's Certificate of Compliance must identify the manufacturer, the type and quantity of material being certified, the applicable Specifications being affirmed, and the signature of a responsible corporate official of the manufacturer and include supporting mill tests or documents. A Manufacturer's Certificate of Compliance shall be furnished with each lot of material delivered to the Work and the lot so certified shall be clearly identified in the certificate."

12/12/12 – The topic was tabled to give WSDOT more time to review the proposed specification change.

9/5/12 – WACA will develop and submit to WSDOT specification language allowing no signature on fully automatic plants. Semi-automatic and manual plants will not be included in the proposal.

6/13/12 Bruce and Greg were not present to state whether Mike's response satisfied their concerns. Craig Matteson would like to delete the requirement to have the forms signed.

3/7/12 Mike Polodna distributed copies of WSDOT Standard Specification 6-02.3(5)B Certification of Compliance and explained that it is the specification that applies to concrete, not 1-06.3 above. The requirement is for a signature "... by a responsible representative of the concrete producer, affirming the accuracy of the information provided". Bruce Chattin will forward the handout to Greg McKinnon to determine if this satisfies his concerns on this issue.

Action Plan: Review at the next meeting.

Issue: Portland Limestone Cement – Allan Kramer

Allan Kramer inquired about adding Portland Limestone Cement (PLC) to the standard specifications.

12/12/12 The PCA task group met separately with WSDOT to review their concerns with PLC. The PCA task group reported to WSDOT that there is on-going research that is intended to address their concerns.

9/5/12 Kurt Williams stated that WSDOT is concerned with the issues of sulfate attack and thaumasite formation. Allan will provide more research information on these subjects.

Action Plan: Table this topic until the research that addresses WSDOT concerns is completed.

Discussion Item: AASHTO Darwin ME – Bruce Chattin

Bruce reported that there is a problem with the structural numbers in the program. He will forward information to Mike Polodna who will pass it along to Jeff Uhlmeyer, the WSDOT State Pavement Engineer. A later discussion with Kurt Williams indicated that Jeff was aware of this issue.

Discussion Item: Bridge Deck Specification – John Harris

John reported that he has seen the fogging operation devolve into spraying water directly onto the concrete.

Discussion Item: Bob Raynes would like to hear some feedback on how the HPC bridge decks are performing.

Mike hadn't heard if there was anything available but will investigate.