

PMPC Executive Committee/Concrete Task Group Meeting Minutes

Date: September 19, 2019

Time: 8:30 am-10:00am

Location: DOT Room 2116/HQ, 1120 N St., Sacramento

Attendees: Sergio Aceves, Dan Speer, Ruth Fernandes, Brandon Milar, Charley Rea, Keith Hoffman, Blair Anderson, Kuo-Wei Lee, Kirk McDonald, Doug Mason, Cortney VanHook

Sergio Aceves informed the group that Ray Hopkins was unable to attend the meeting as he was at a TRB meeting. Meeting continues with self-introduction, agenda review, and the following was discussed:

1. Action Item from 6/20/2019 Meeting (All):

- I. Short scoping document was not circulated for comment, Doug will recirculate the short scoping document to task groups for comment.
- II. On hold until comments from item 1.

Action items from March 25, 2019 meeting are completed. Industry inquired about the PMPC website still being inaccessible and when it will be back up. Caltrans is working to resolve the problem as it has affected the Department websites. Questions were raised concerning meeting minutes being ADA compliant and how long it will take for meeting minutes to be published with the new ADA accessibility. Doug stated we have not gone through this process; however, we don't know what the turnaround time will be for publishing. Sergio stated Doug will send out the meeting minutes in email to all committee members until website is back up.

2. Introductory Urgent Issues (All):

- I. D. Speer mentioned he is seeing a lot of progress in the CTG and ATG working groups in getting their work products accomplished. It is encouraging.

3. Evaluate the Revised Concrete Pavement Smoothness Specifications (Blair Anderson):

- I. Caltrans has received 5 active projects with their smoothness data and 105 without smoothness data for both HMA and concrete pavement projects.
- II. Item #2's date may have to be adjusted due to not enough data has been submitted to analyze statistically which could affect some of the other items dates too.
- III. Industry inquired who is collecting the smoothness data. Doug to check who is collecting smoothness data for Pavement.

4. Precast Pavement - Phase II Enhanced Jobsite Quality (Keith Hoffman):

- I. On Schedule. Risk register was received and working group is focusing on top four items: 1) working days, 2.) lack of alternative design restrictions, 3.) redundancy in specifications for random and continuous PCP replacement and 4) field verification and geometric checks prior to shop drawings.
- II. Concern: Is the working group working well together, are they considering construction's concerns? Working group is working well and listening to construction's comments

5. Use of 4x8 Cylinder for Compressive Strength Testing (Keith Hoffman):

- I. Items are all on target. D. Speer: Was the recommendation report sent out? K. Hofman to send out Recommendation Report to EC.
- II. D. Speer: Item #5 Training and Guidance- How are they proceeding, what are the training resources needed? Need to buy new molds and will need to look at recommendation report and training and guidance document.

6. Concrete Mix Design Naming Protocol (Keith Hoffman):

- I. The impasse was worked out.
- II. Industry's email on proposed specification was sent out Monday for industry's comments.

7. Recycled Crushed Concrete Aggregate for use in Cast In-Place Concrete Pavement (Kuo-Wei Lee):
 - I. Working Group is on track with literature search. Group is developing a condensed report from CP2C's RCA report. Working group asked CP2C to revise their findings.
 - II. Question was asked if there is a final RCA Report and the results of the reports. Kuo-Wei will provide final RCA report to EC members; or let them know when the report will be coming.

8. Specifications for Concrete Pavements with Limited Construction Windows (Kuo-Wei Lee):
 - I. Draft recommendation report regarding the need for pilot projects in on track.
 - II. Draft specifications are complete and have been sent to WPG for final concurrence.

9. New SD: CT 523 Method of Test for Flexural Strength of Concrete (Blair Anderson):
 - I. Handout was distributed with three options on how to best implement new test method, option A) At contractor's option, request CCO to use CT 523 until statewide implementation is in effect, B) Statewide implementation in October with temporary language housed in CT 523 for initial curing requirements, C) Statewide implementation in October with contract language addressed via NSSPs until April 2020 or another option D) was mentioned as a wait till April when the specification is implemented.
 - II. Option A, we can create a CPD using new specification or allowing old specification by contractor. D. Speer: Post to CT Website, takes effective April 2020.
 - III. B. Anderson: Need to develop and finalize fact sheet for designers and construction by April. Will also need IA certification. D. Speer: Any changes to the testing is a process with training requirements considerations for joint training and those already trained. It can be a provisional test method until April.
 - IV. B. Anderson: Some concerns on the term "curing environment" and what does it exactly mean or require. Meetings are planned to discuss the minimum requirements to establish a curing environment.
 - V. K. Hoffman: Set up meeting with Task group, working group and IA certification group to discuss how to implement CT 523. Drop dead date is April.
 - VI. K. Lee: Tasked to send Chu Wei (FHWA) notice of our proposed specification.

8. Review Bin List (Keith Hoffman):
 - I. CTG provided updated bin list with new priority #1, Support tasks associated with ongoing Type II research which was swapped with former #1) Allow use of blended SCMs, now priority #6 on CTG's bin list. EC asked if CTG can begin developing scoping document and have the STG start work in January once scoping document is signed. Industry say they can, and this is important to industry.
 - II. Dulce is modifying concrete compressive strength specification to allow cylinder and beam tests for correlation data between the two tests as an informal data collection. Industry has been doing these tests and has correlation data, just not sharing the data with Caltrans as not required.
 - III. CTG will work on some abbreviated scoping documents to add or modify work products on to the bin list and prioritize them.
 - IV. CTG sub task groups to develop scoping documents for signature for subtask groups as the working groups complete their tasks.
 - V. Discussion on the research Oregon University is conducting on concrete durability versus permeability and their efforts to measure the durability performance with an electrical resistivity test. This is the research Caltrans and industry are waiting for to be completed so the working group can start their #1) priority on the bin list.

11. Round Table:
 - I. A lot of research work being done on SCMs for other sources. Apache Power plant is closing so supply of fly ash from this plant is no longer available in California. Industry is looking into natural pozzolanas as alternatives. Some research was done on rice hull ash but mechanisms to collect aren't there, also looking into ponded ash pits and how viable to filter and use old pit's fly ash.
 - II. D. Speer: Caltrans continues working to centralize the consolidation of IA and JMF personnel under HQ METS, there will be a single website for IA certification throughout the state.

- III. Caltrans stated there is a new senior, Patrick Low, for the aggregate branch, we are hoping to raise the bar on aggregate sources. Jackie's duties were split so she could concentrate on concrete:
12. Action Item from today's meeting.
- I. Doug will recirculate the short scoping document to task groups for comment and bring back to executive committee.
 - II. Doug will send out the meeting minutes in email to all committee members until website is back up.
 - III. Doug to check who is collecting smoothness data for Pavement.
 - IV. K. Hoffman: Set up meeting with Task group, working group and IA certification group to discuss how to implement CT 523. Drop dead date is April.
 - V. Kuo-Wei will provide final RCA report to EC members; or let them know when the report will be coming.
 - VI. K. Hoffman to send out Recommendation Report on 4 x 8 cylinders to EC.
 - VII. K. Lee: Send Chu Wei (FHWA) notice of our proposed specification for CT 523.