

PMPC Executive Committee/Concrete Task Group Meeting Minutes

Date: December 17, 2020

Time: 8:30 am-10:00am

Location: Webex Meeting

Facilitator: Sergio Aceves

Attendees: Sergio Aceves, Doug Mason, Ray Hopkins, Brandon Milar, Charley Rea, Tim Greutert, Kuo-Wei Lee, Keith Hoffman, Ken Solak, Chu Wei, Kirk McDonald, Mark Hill, Kelly Lorah, George Butorovich

1. Introductions/Review Agenda

- I. Sergio welcomed the group and roll call was performed.

2. Action Items from 9/17/2020 PMPC EC + CTG meeting (All):

- I. Find METS replacement for Bomasur Banzon for Concrete Smoothness working group. (Tim) Completed.
- II. Forward the RCA information to CTG on recent issues with RCA. (Chu Wei) Completed
- III. Check with staff on Precast concrete issues, where best to address in a committee. (Kevin) Ongoing
 - a. Keith discussed with ABC Committee with moving precast bridge items to their committee, no objections to moving Precast over to ABC Committee. We need Structures Policy Board approval. Don't think there will be an issue, it is a good fit to be in the ABC committee.
- IV. EC to look at bigger picture for Foundations, should it be a STG or its own TG. (EC) Ongoing

3. Introductory Urgent Issues (All):

- a. None

4. CTG Work Products

- I. Evaluate the Revised Concrete Pavement Smoothness Specifications (Kuo-Wei Lee):
 - a. Working Group (WG) is working with industry and construction to get smoothness data.
 - b. Three projects that bid with the new specification just finished construction according to schedule so data should be forthcoming.
 - c. **Action Item: Kuo-Wei to send smoothness schedule that Dulce created to show where districts have smoothness specification and estimated completion date.**
 - d. Ken: Schedule should come out next week.
- II. Concrete Mix Design Naming Protocol (Keith Hoffman):
 - a. **Action Item: CTG has seen short scoping document but not the full scoping document, share short scoping document with EC.**
 - b. This is the 3rd attempt at this, trying to keep the same group to work on DIME database with test data and source of material.
 - i. One challenge will be where the unique naming protocol will reside.
 - c. Sergio: I know we have spoken on this in the past, but I didn't realize the effort was a new scoping document.
 - d. Keith: Originally, we were looking at creating the J2 database to track the unique concrete names, but the lead employee/programmer in our office promoted and has left our office. Based on industry's feedback, the current strategy the working group was pursuing wasn't going anywhere and DIME is a better database to work in.
 - i. Data can be put in Quality Control part of project

- ii. Most of the work is done, working group will take off from the last step and proceed with DIME as the database to enter the data sought by Caltrans.
 - III. Recycled Crushed Aggregate of use in Cast In-Place Concrete Pavement (Kuo-Wei Lee):
 - a. Working Group sent summary final report to CTG 11/13/20. Recommended to remove from active products to Closed/tracking products.
 - b. Action Item: Send final report to EC.**
 - c. The issues Bruce Carter brought up will be handled in the Phase 2 work product,
 - d. Scoping document milestones have been achieved by working group.
 - IV. Concrete Pavement Acceptance Based on Compressive Strength (Kuo-Wei Lee):
 - a. Working group is on schedule and track for the next deliverable in March 2021. First milestone has been completed on November 30.
 - V. Evaluating Maturity to Estimate Open to Traffic Strength of Concrete Pavement (Kuo-Wei Lee):
 - a. On track and schedule. WG has completed milestone 1 on November 30.
 - VI. Portland Limestone Cement (PLC) on Concrete Performance (Keith Hoffman):
 - a. Oregon State University (OSU) have had some delays with the report due to COVID. Report is expected to be completed in December. They have been sharing their test data and we have a good handle on the test data and where it is going.
 - i. We are not seeing any issues with using Type 1L as a replacement.
 - ii. Tim: The product is important to Caltrans and sustainability.
 - iii. Sergio: Looks like milestone 1B will be completed in January, are the rest of the milestones good or do they need to be pushed out.
 - 1. Milestone dates are good, working group should finish their tasks on time. Adding Type 1L and 1T is included right now in the plan.
 - iv. Tim: The question is to industry, have you looked at PLC as a replacement for PCC yet in your markets? Should we be making a contractor option in the specifications and how are we going to know GHG savings?
 - 1. Working group has not looked at specification language yet.
 - 2. Mark H.: Kirk, do you see industry replacing PCC with PLC?
 - a. Depends on market & demand and it will take some time for everyone to convert.
 - 3. Tim: Team needs to keep an open mind on how we are going to track the GHG savings on this product when developing the specifications.
 - VII. Closed/Tracking List
 - a. Keith: CTG would like to use the same database for tracking as the ATG is using.
 - b. Action Item: Doug to check with Tom and ATG on database used for Pilot Project tracking.**
5. Review of Bin List (Keith Hoffman):
- I. MQA STG bin list was presented. Change in some priorities due to fly ash concerns.
 - a. Improved ASR mitigation and blended supplementary cementitious materials (SCMs) have moved up to the top two priorities to help with the SCM fly ash shortages.
 - b. Short scoping documents have been circulated with CTG.
 - c. Action Item: Kelly or Keith to provide short scoping documents for ASR mitigation and blend SCMs to provide to the EC for comment.**
 - d. Charley: Keith are you still doing that fly ash report on the supply?
 - i. Keith: Yes, the group will be made up of a core group from the last Concrete task group plus industry and will note recommendations as we talk to industry suppliers. Kick off meeting is scheduled for January 13, 2021.
 - II. Concrete STG bin list:
 - a. Recycled Crushed Aggregate, priority #3 on bin list would be another year or two before scoping document would be developed.
 - b. Chu: Item #2 is on the Every Day Counts list.

- c. Tim would like to see some scoping documents from STG sooner rather than later.
- III. Foundations Bin list: CTG reviewed the bin list. Currently, some short scoping documents have been sent to CTG for their review.
 - a. **Action Item: Ken to send short scoping documents to Doug after CTG reviews for EC approval.**
- 7. Update on Foundation Sub Task group:
 - I. Keith: We kind of migrated into the Foundations STG area when we introduced the Foundation bin list they are working on. Keith shared on the organization of the Foundation STG and current members.
 - II. Sergio: Thanked the CTG for all the work they are doing, creating the Foundation STG will continuing to deliver. Encourage the STGs to submit their scoping documents as it shows we are moving forward with issues affecting Caltrans and industry.
- 9. Roundtable
 - I. Ray: I am holding interviews Thursday and Friday for an acting temporary for his position. The acting replacement should available in January. Ray thanked everyone for their efforts and working together these past years. He will still be involved in the PMPC but at the Steering Committee level.
 - a. EC members thanked Ray for his PMPC work efforts and time together.
 - II. Mark: With the fly ash and SCM shortage, we need to look at section 90-4 on ASR mitigation and industry would like to look at this quickly. The scoping documents are long-term solutions. We need a short-term fix that may require a CPD.
 - a. **Action Item: Kuo-Wei to look into whether or not we need to put together a team to discuss short term fly ash issues and remedies.**
- 10. Decisions made/Approvals given by EC:
 - I. N/A
- 11. Action Items
 - I. Send smoothness schedule that Dulce created to show where districts have smoothness specification and estimated completion date. (Kuo-Wei) Completed
 - II. CTG has seen short scoping document but not the full scoping document, share short scoping document with EC. (Keith or Kelly) Completed
 - III. Send final RCCA report to EC. (Keith or Kelly) Completed
 - IV. Check with Tom and ATG on database used for Pilot Project tracking. (Doug)
 - V. Provide short scoping documents for ASR mitigation and blend SCMs to provide to the EC for comment. (Kelly or Keith) Completed
 - VI. Send Foundations short scoping documents to Doug after Ken review the Foundation short scoping documents for EC approval. (Kelly) Completed
 - VII. Determine whether or not we need to put together a team to discuss short term fly ash issues and remedies. (Kuo-Wei) Completed, no team is needed. Monitoring situation.