

PMPC Executive Committee/Concrete Task Group Meeting Minutes

Date: June 16, 2022
Time: 8:30 am- 10:00 am
Location: Webex Meeting

Facilitator: Tom Pyle

Attendees: Tom Pyle, Raymond Tritt, Christa Siegenthaler for Gudmund Setberg, Brandon Milar, Charley Rea, Kuo-Wei Lee, Keith Hoffman (acting for Tim Greutert), Joseph Dongo, Mark Hill, Kelly Lorah, George Butorovich, Maged Armanuse (acting for Keith Hoffman), Chu Wei, Ian Sun Chee Fore

1. Introductions/Review Agenda
2. Action Items from PMPC EC + CTG meeting held on **03/17/2022**:
 - a. Blended Supplementary Cementitious Materials (SCMs):
 - i. Working group is on schedule, milestone #2 almost complete.
 - ii. Being broken into 2 parts: 1) blended with silica fume; 2) blended with fly ash and natural pozzolan. This will be reflected in an updated scoping document.
 - iii. Tom: What are the SCMs being blended?
 1. Not sure what the working groups is looking at blending.
 2. **Action Item:** Keith (now Maged) to check what materials the working group is looking at blending. [In progress](#)
 - b. MQA STG updated bin list was presented:
 - i. Marine Environments (previously named as Corrosion specification) scoping document should be available in the next week or so to the EC. It started in Division of Engineering Services (DES) technical committee and the DES group will be the same Caltrans and industry members in the PMPC.
 - ii. Neoprene caps decision document is complete. Awaiting the construction procedure directive (CPD) process.
 1. **Action Item:** Tim, Tom, and Keith to talk after about Class C fly ash and the issues with them. [Completed](#)
3. Urgent Issues (All):
 - a. No urgent issues.
4. CTG Work Products
 - a. Tracking Concrete Mix Designs in DIME:
 - i. This is being broken down into 4 milestones. This will be reflected in an updated scoping document.
 - ii. The working group is working to get inputs for DIME.
 - iii. Limitation of resources for DIME, so working on inputs for DIME to be programmed when funds are available.
 - b. Performance Based Alkali-Silica Reaction (ASR) Mitigation:
 - i. This is being narrowed into only addressing reactive aggregates. This will also be reflected in a revised scoping document. There was discussion about how once started the project there was differing understanding of the goals and objectives, despite having an agreed upon scoping document. The CTG will review why this happened to prevent in the future.

- ii. Milestone #2 is 99% complete. Working group is at an impasse and working through the escalation process. Agreement to move forward addressing the ASR mitigation for reactive aggregate.
 - 1. Action Item: After getting this complete, have a meeting with CTG group (CT and Industry) to go over lessons learned on 2 scoping documents.
 - c. Blended Supplementary Cementitious Materials (SCMs):
 - i. Working group is on track
 - ii. Final report is 95%
 - d. Replacing the Compaction Method to Determine the Application Rate of Lime for Soil Stabilization:
 - i. End of Milestone 4. Final report moving to the CTG - Report sent to CTG for approval – at the end of April
 - ii. That went out for signature.
 - e. Replacing the R-Value Testing for Unbound Materials with an Alternate Test Method:
 - i. Currently on hold until the testing is done. Working with UCPRC to get the testing done
 - ii. Concurrent changes along with HDM and CalME - Working with Deepak and Raghu
 - f. Review Closed/Tracking List
 - i. No issues discussed.
- 5. Scoping Documents
 - a. Evaluation and Improvement of Concrete Pavements with Rapid Strength Concrete (CP)
 - i. Follow up on the scoping document, working with Dulce and will then be routed to CTG
 - b. Concrete in Marine Environments (M&GA)
 - i. There was a meeting last week, working on the scoping document.
 - ii. Completing the scoping document to split into a design and spec change project.
 - iii. PMPC will be involved with the mix, anything outside of it will be handled by DES, but the Industry involve will still be
 - c. Evaluation of Concrete Pavement Overlays in California SD was withdrawn.
- 6. Decision Document
 - a. Lime, Cement, or Cement-Kiln Dust Modification of Pavement Foundation
 - i. 1st Decision document move forward - CT and Industry in an agreement
 - b. Neoprene Cylinder Capping Final Decision Document done
 - i. Awaiting implementation
- 7. Review Bin List
 - a. **Action Item:** STG needs to be working on a new bin list – there is a drafted list (June 2022) – to go over the priority; will schedule a meeting in a couple of weeks.
 - i. From the Concrete Pavement STG Bin List - March 2021 - #2 important item, Evaluate the Use of Concrete Overlays on Caltrans Projects, this might not be a PMPC item – this was withdrawn – keep it on the list until the list is updated
 - ii. This may need clarification, but I believe the discussion was the EC wants to discuss more at its July 21 meeting (After the Sponsors-Steering Committee Meeting), so is hoping to get updated lists from the task groups.
- 8. Open Discussion:
 - a. Charley Rea
 - i. Informed that we realized a pre-cast representative was not on the distribution list for Concrete Pavement STG activities, and that the list was being updated to include. Task group – Precast will now be included in meetings of the Concrete Pavement STG.
 - ii. Research & Priorities – there was general discussion that PMPC work needs to tie into overall strategic goals of the Department, such as sustainability, safety, etc. Also, that want to get a better handle on the overall research agenda, the plan over 5 years, how

that may compliment PMPC priorities, and to inform the Task Groups. A meeting will be scheduled with UCPRC later in the summer.

- b. Mark Hill: EC to have a 5 year outlook for the task groups to have a vision/road map direction
 - i. Tom: doesn't want it to be the EC to tell them what to do. Establish topics related to Sustainability and Safety;
 - 1. ATG and CTG should focus on the Caltran's Strategic Plan

9. Concrete Related Research and Spec Development Outside PMPC

- a. (Charley) Caltrans provided their list of "other," non-PMPC, concrete work that is going on at the Department, including research, other areas of the department, and the districts (note: after the meeting, I noticed there is an effort to update mass concrete specs, so I have inquired why that is not a PMPC project).
- b. District 8 Innovation Projects
 - i. More robust training for CT and Industry staff
 - 1. Field staff
 - 2. District designers
 - ii. Any spec changes that will come in a form of a scoping document or decision documents
 - iii. **Action Item:** Maged will send the updates to Kelly
- c. UCPRC
 - i. Working on the next contract – road map and have been working with Industry
 - ii. **Action Item:** EC meet with UCPRC for the 5 year plan – to have tasks align with PMPC
 - 1. Tom will set up a meeting with UCPRC – schedule in the next month

10. Action Items

- a. When it comes to Adobe eSign, Kelly and Ian on every Monday will send out reminders of who need to sign documents.
- b. Ian to work on meeting minutes and SOP to post on the website
- c. Keith will send Ian the PCA document to send to the group

**Next Meeting: September 15, 2022
08:30 am – 10:00 am**