

PMPC Executive Committee/Concrete Task Group Meeting Minutes

Date: June 15, 2023
Time: 8:30 am- 10:00 am
Location: Webex Meeting

Facilitator: Tom Pyle

Attendees: Tom Pyle, Raymond Tritt, Sudhakar Vatti, Brandon Milar, Charley Rea, Tim Greutert, Allen King, Joseph Dongo, Mark Hill, Keith Hoffman, ~~Chu Wei~~, George Butorovich, Hadi Nabizadeh, Sajia Sakhi, Mehrnaz Emami

1. Introductions/New Members/Review Agenda
2. Action Items from PMPC EC + CTG meeting held on 03/30/2023:
 - a. CTG schedule a dedicated SCM 30-minute meeting with EC
 - i. SCM presentation: Done
3. Urgent Issues (All):
 - a. Borosilicate glass and ASR testing
 - i. Moved up to priority 1 (from priority 3) in the bin list; Expedited short SD; Drafted SSD
 - ii. Closing the current working group?
 - iii. **Action Item:** CTG to schedule a dedicated meeting/presentation (by June 30).
 - b. Sustainability road map
 - i. The final draft is under final review; June 30 is the final due to submit comments; will be sent to EC in July.
 - ii. Moving toward performance based specifications.
 - iii. **Action Item:** Hadi to put Sustainability road map on the agenda for further discussion in the next EC+CTG meeting.
4. CTG Work Products
 - a. Tracking Concrete Mix Designs in DIME
 - i. Changes needed to be made to the last SD;
 - ii. Unique identifying number; QC and test data;
 - iii. Tracking material in for premature failure; Relation with EPD
 - iv. How moving toward BIM would impact DIME;
 - b. Performance Based Alkali–Silica Reaction (ASR) Mitigation
 - i. On hold; needs direction from EC for verification testing;
 - ii. The appropriate amount of testing needs to be identified;
 - iii. Performance based ASR; aggregate in innocuous list
 - iv. **Action Item:** Tim and Tom to meet and discuss verification testing for ASR.
 - c. Blended Supplementary Cementitious Materials (SCMs)
 - i. Done; Final report signed October 2022;
 - ii. Industry concern with borosilicate glass in the final report. Spec changes after the final report was signed.
 1. Non-accurate communications; Commitment to be addressed.
 - d. Replacing the Compaction Method to Determine the Application Rate of Lime for Soil Stabilization
 - i. Done
 - ii. If Geotech needs to be on board

1. 5 feet below pavement is considered Geotech.
 2. Exception for only pavement; make sure no impact on structures.
 - iii. Final report was signed in December 2022.
 - e. Replacing the R-Value Testing for Unbound Materials with an Alternate Test Method
 - i. Identify test methods; UCPRC does testing;
 - ii. **Action Item:** CTG to schedule a dedicated meeting with UCPRC on the impact of changing the test method on CalME.
 - iii. Design phase and not impacting contractors.
5. Scoping Documents
- a. Full: Specification Improvement of Concrete Pavements with RSC
 - i. Working group is working on the specs.
 - ii. Evaluation of slab replacement with RSC.
 - b. Short: Concrete in Marine Environment
 - i. DES specs;
 - ii. Still on hold, waiting for overall plan from DES committees
 - iii. **Action Item:** CTG to schedule a focus meeting with Sudhakar on Concrete in Marine Environment.
 - c. Short: Concrete Pavement Specified by Fixed Value of Compressive Strength
 - i. Working group is working on full SD.
 - ii. Short SD was posted in August 2022.
 - d. Short: Use of Low Nuclear Density Gauge to Determine Compaction of Unbound Materials (Allen)
 - i. STG is making revisions to the SD.
 - ii. Short SD was posted in October 2022.
6. Decision Document
- a. Lime, and/or Cement to Dry Up Soils
 - i. Complete; Signed by CTG.
 - ii. Under review by EC.
 - b. Tie Wires in Dowel Bar Assemblies
 - i. Construction is working on the CPD and nSSP has been drafted by the pavement program.
 - ii. It is considered Minimal risk.
 - iii. **Action Item:** Joseph to follow up on CPD and provide updates to EC.
 - c. Surface Skid Resistance Test for Concrete Pavement Acceptance
 - i. Under review by EC.
7. Review bin list (due to time, not covered; files will be updated)
- a. CP STG
 - b. Foundation STG
 - c. MQA STG
 - i. **Action Item:** EC to review and approve the three bin lists.
8. Open Discussions
- a. Updates on items outside of PMPC; Keith to send it out by June 15
 - b. Collaboration with District 8 on pilot projects; California Test Track
9. Action Item
- a. CTG to schedule a dedicated meeting/presentation (by June 30)
 - b. Hadi to put Sustainability road map on the agenda for further discussion in the next EC+CTG meeting.
 - c. Tim and Tom to meet and discuss verification testing for ASR.

- d. CTG to schedule a dedicated meeting with UCPRC on the impact of changing the test method on CalME.
- e. CTG to schedule a focus meeting with Sudhakar on Concrete in Marine Environment.
- f. Joseph to follow up on CPD and provide updates to EC.
- g. EC to review and approve the CTG's bin lists.

10. Roundtable

- a.

11. Upcoming Meetings

- a. EC+CTG Meeting: September 21, 2023; 8:30 am – 10:00 pm

For PMPC meeting minutes please visit:

- EC Meetings: [Pavement & Materials Partnering Committee \(PMPC\) Meeting Minutes | Caltrans](#)
- ATG Meetings: [Asphalt Task Group | Caltrans](#)
- CTG Meetings: [Concrete Task Group | Caltrans](#)