

PMPC Executive Committee/Concrete Task Group Meeting Minutes

Date: September 21, 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, Joe Harline, Dulce Feldman, Deepak Maskey

1. Introductions/New Members/Review Agenda
2. Action Items from PMPC EC + CTG meeting held on 06/15/2023:
 - a. CTG to schedule a dedicated meeting/presentation on Borosilicate glass and ASR testing (by June 30).
 - i. There were 2 briefings in the spring; Developing an SSD to address Borosilicate glass and ASR testing.
 1. An SSD is being prepared.
 - b. Tim and Tom to meet and discuss verification testing for ASR.
 - i. Complete. Further discussion if need be.
 - c. CTG to schedule a focus meeting with Sudhakar on Concrete in Marine Environment.
 - i. Complete.
 - d. On Tie Wires in Dowel Bar Assemblies, Joseph to follow up on CPD and provide updates to EC.
 - i. Complete.
3. Urgent Issues (All):
 - a. **Action Item:** Hadi to share the EC tracker with CTG.
4. CTG Work Products
 - a. Tracking Concrete Mix Designs in DIME
 - i. The working group is addressing the EC's comment.
 - ii. **Action Item:** STG to send an updated SD to EC.
 - b. Performance Based Alkali-Silica Reaction (ASR) Mitigation
 - i. Need resolution from Tom and Tim.
 - ii. Tom and Tim to further discuss if need be.
 - c. Blended Supplementary Cementitious Materials (SCMs)
 - i. Borosilicate glass – Preparing an addendum to the final report
 - ii. Under review by STG, to be sent to CTG for review. To be ready by the next EC+CTG meeting in December.
 - iii. The working group prepared an SSD for Borosilicate glass.
 - d. Replacing the R-Value Testing for Unbound Materials with an Alternate Test Method
 - i. UCPRC testing is expected to be complete by the end of September. The final report is expected to be submitted in November.
 - ii. After the final report is published, the impact on CalME will be evaluated.
 - iii. **Action Item:** Deepak to follow up with UCPRC on the impact on CalME.
 - e. Concrete Sustainability and Performance Roadmap
 - i. Under review/discussion by EC. It is being discussed by the Caltrans EC in separate meetings.

5. Scoping Documents
 - a. Full: Specification Improvement of Concrete Pavements with RSC
 - i. SD was approved.
 - ii. The next milestone for the working group is developing the specs language by the end of November.
 - b. Short: Concrete in Marine Environment
 - i. Waiting for overall plan from the DES committees.
 - c. Full: Concrete Pavement Specified by Fixed Value of Compressive Strength
 - i. It has been reviewed and concurred by the CTG.
 - ii. **Action Item:** Hadi to send the SD to EC for review.
 - d. Full: Use of Low Nuclear Density Gauge to Determine Compaction of Unbound Materials
 - i. **Action Item:** CTG to work with STG to get a status update.
6. Decision Document
 - a. Lime, and/or Cement to Dry Up Soils
 - i. **Action Item:** Hadi to post the DD on the PMPC website.
 - b. Tie Wires in Dowel Bar Assemblies
 - i. **Action Item:** Hadi to post the DD on the PMPC website.
 - c. Surface Skid Resistance Test for Concrete Pavement Acceptance
 - i. **Action Item:** Hadi to post the DD on the PMPC website.
7. Review bin list (due to time, not covered; files will be updated)
 - i. If there is a change in bin lists, CTG should share it with EC.
 - ii. The bin lists might be reviewed and revised based on the EC review and comments.
8. Open Discussions
 - a. Emergency limited contract by Division of Maintenance.
 - i. Wheel-path polyester concrete on I-80 in Summit.
 - ii. Epoxy concrete was not very successful.
 - b. ACI dinner in Sacramento
 - i. The Division of Construction will be presenting.
 - c. Concrete design training in D3 on 9/20/2023
 - d. Portland-limestone cement (PLC)
9. Action Item
 - a. Hadi to share the EC tracker with CTG.
 - b. STG to send an updated SD on Tracking Concrete Mix Designs in DIME to EC.
 - c. Tom and Tim to further discuss the Performance Based Alkali-Silica Reaction (ASR) Mitigation.
 - d. Deepak to follow up with UCPRC on the impact on CalME.
 - e. Hadi to send the FSD for “Concrete Pavement Specified by Fixed Value of Compressive Strength” to EC for review.
 - f. CTG to work with STG to get a status update on the SDD for “Use of Low Nuclear Density Gauge to Determine Compaction of Unbound Materials”.
 - g. Hadi to post the DD on the PMPC website (three DDs).
10. Roundtable
11. Upcoming Meetings
 - a. EC+CTG Meeting: December 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](#)