

# PMPC Executive Committee/Concrete Task Group Meeting Minutes

**Date: December 21, 2023**

**Time: 8:30 am- 10:00 am**

**Location: Webex Meeting**

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**Facilitator:** Tom Pyle

**Attendees:** Tom Pyle, Raymond Tritt, Sudhakar Vatti, Brandon Milar, Charley Rea, Tim Greutert, Jeremy Peterson-Self; Allen King, Joseph Dongo, Mark Hill, Keith Hoffman, George Butorovich, Hadi Nabizadeh,

**Not in Attendance:** Chu Wei

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1. Introductions/New Members/Review Agenda
2. Action Items from PMPC EC + CTG meeting held on 06/15/2023:
  - a. Tom and Tim to further discuss the Performance Based Alkali-Silica Reaction (ASR) Mitigation
    - i. The meeting was held on Dec. 21<sup>st</sup>.
  - b. Deepak to follow up with UCPRC on the impact of replacing R-Value on CalME.
    - i. Material testing is underway. There was equipment breakdown. There is no impact on CalME.
3. Urgent Issues (All):
  - a. Re-write for Concrete Sustainability and Performance Roadmap and EPD
  - b. Interpretation of change in mix design
    - i. Help districts with changes in mix design; Issues with districts; How and when to submit a new mix design.
    - ii. Material shortage and its impact on the changes.
    - iii. Follow procedures for changing a mix design; what are Caltrans guidances and ensure industry is aware of the procedures and guidances.
    - iv. **Action Item:** CTG to discuss how to administer change in mix design internally and report to EC in the next EC+CTG meeting (What is industry understanding, is there any guideline available; need for training; material shortages; SCMs, etc.).
4. CTG Work Products
  - a. Tracking Concrete Mix Designs in DIME
    - i. Reviewed by EC and approved. Signatures are being collected.
    - ii. It is proposed to use IRA funding for implementing EPD in DIME.
  - b. Performance Based Alkali-Silica Reaction (ASR) Mitigation
    - i. Tom and Tim to further discuss the Performance Based Alkali-Silica Reaction (ASR) Mitigation.
      1. Verification testing.
    - ii. Moving toward performance-based testing approach and there will be a significant amount of testing.
  - c. Blended Supplementary Cementitious Materials (SCMs) – Addendum to the Final Report
    - i. Not to suspend it. Close this work product and update it later on.
    - ii. The discussion from the Performance-based ASR will be reflected here.
    - iii. It is supposed to be in the spec.
    - iv. An implementation plan needs to be discussed.
  - d. Replacing the R-Value Testing for Unbound Materials with an Alternate Test Method

- i. Correlation testing is complete. A draft correlation report from UCPRC has been received by WG. WG reviewed, commented on, and sent comments back to UCPRC for consideration.
    - ii. Additional testing on subbase materials.
    - iii. Implementation plan is needed; district training; equipment needs.
    - iv. Scoping document on implementation.
  - e. Specification Improvement of Concrete Pavements with RSC
    - i. Draft specification language has been drafted. The final report will be done by the end of January.
    - ii. Cleaning spec language.
    - iii. **Action Item:** Allen to collect more clarification and report back to the EC. What has been accomplished.
  - f. Concrete Sustainability and Performance Roadmap
    - i. Framework for advancing concrete spec. Keep it high-level.
    - ii. A revised roadmap was submitted.
    - iii. Internal review by CT-EC.
- 5. Scoping Documents
  - a. Short: Concrete in Marine Environment
    - i. It was suspended. Separate roadmap by DES.
    - ii. It will be removed from the Working
  - b. Full: Concrete Pavement Specified by Fixed Value of Compressive Strength
    - i. Signatures are being collected.
    - ii. No need for significant training; Districts can perform compressive strength tests.
    - iii. No need for correlations between the beam and the comprehensive tests.
    - iv. To be presented in the DME meeting.
  - c. Full: Use of Low Nuclear Density Gauge to Determine Compaction of Unbound Materials
    - i. **Action Item:** Sajia and Brittany to ensure it has been reviewed by the entire CTG.
  - d. Short: ASR Specifications and Testing Criteria for Authorization of SCMs
    - i. It is under review by the EC.
- 6. Decision Document
  - a. Lime, and/or Cement to Dry Up Soils
    - i. Caltrans is working internally for mandatory stakeholders concurrences.
  - b. Tie Wires in Dowel Bar Assemblies
    - i. No change until release of the 2024 Specs
  - c. Surface Skid Resistance Test for Concrete Pavement Acceptance
    - i. Still working on the z file with OCCS but working with HQ Construction at the same time on the CPD. Received FHWA approval on z-file.
- 7. Review bin list (due to time, not covered; files will be updated)
  - i. Foundation STG bin list
    - 1. Revisit section 29-2 ATPB
      - a. **Action Item:** Alen to look at both ATPB and CTPB and ask Rob Hogan regarding information available on PaveM for ATPM and/or CTPB.
    - 2. Remove requirement of aggregate qualification testing for virgin aggregates used in LCB:
      - a. Working on a decision document
- 8. Open Discussions
  - a. Use of low nuclear gauge in D8; Data collection

9. Action Item

- a. CTG to discuss how to administer change in mix design internally and report to EC in the next EC+CTG meeting (What is industry understanding, is there any guideline available; need for training; material shortages; SCMs, etc.).
- b. Allen to collect more clarification on Specification Improvement of Concrete Pavements with RSC and report back to the EC. What has been accomplished.
- c. Sajia and Brittany to ensure the scoping document for Use of Low Nuclear Density Gauge to Determine Compaction of Unbound Materials has been reviewed by the entire CTG.
- d. Alen to look at both ATPB and CTPB for Revisit section 29-2 and ask Rob Hogan regarding information available on PaveM for ATPM and/or CTPB

10. Roundtable

11. Upcoming Meetings

- a. EC+CTG Meeting: March 21, 2024; 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](#)