

# PMPC Executive Committee/Concrete Task Group Meeting Minutes

**Date: March 21, 2024**  
**Time: 8:30 am- 10:00 am**  
**Location: Webex Meeting**

---

**Facilitator:** Tom Pyle

**Attendees:** Tom Pyle, Brandon Milar, Charley Rea, Tim Greutert, Jacquelyn Wong, Garcia, Reimond for Allen King, Joseph Dongo, Mark Hill, George Butorovich, Sajia Sakhi, Brittany Meza, Hadi Nabizadeh

**Not in Attendance:** Sudhakar Vatti, Jeremy Peterson-Self

---

1. Introductions/New Members/Review Agenda
2. Action Items from PMPC EC + CTG meeting held on 12/21/2023:
  - 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.).
    - i. CTG met twice and prepared a fact sheet. Existing spec language can be interpreted differently. There is a potential emerging task and expedited working group. Possibly, a full scoping document is needed.
      1. Fact Sheet: Caltrans specification and guidance documents references as it relates to mix design change with respect to type and source of constituents.
    - ii. EC supports CTG's effort. What is an anticipated timeline?
      1. Target date for an expedited full SD is within a month.
      2. EC support to skip short SD and move directly to full SD.
    - iii. **Action Item:** CTG to instruct the M&QA STG to form a working group and prepare a full scoping document.
  - b. Allen to collect more clarification on Specification Improvement of Concrete Pavements with Rapid Strength Concrete (RSC) and report back to the EC. What has been accomplished?
    - i. Final report and spec language were submitted to CTG for review.
3. Urgent Issues (All):
  - a. EPD
    - i. The EPD working group met on Wednesday, 3/20/24 and discussed spec language, timing, eligible projects, etc. Industry working members provided their comments.
    - ii. Mark – Concrete industry is ready to move forward. Two different timeframes can be proposed for concrete and asphalt. Caltrans should move faster to collect data. We need to set up a baseline. Caltrans spec for pilot projects (2018/2019) can be implemented,
    - iii. Possibility for retroactive implementation.
    - iv. EPD data from pilot projects for typical concrete mixes were submitted to METS a couple of years back.
    - v. **Action item:** Tim to report on the status of concrete pilots and EPD data collections to EC by 4/4/2024.
4. CTG Work Products
  - a. Tracking Concrete Mix Designs in DIME
    - i. First draft of final report was reviewed by CTG. The revised draft is with CTG for 2<sup>nd</sup> round of review.
    - ii. A major outcome is what mixture data will be collected on concrete mix design.

- iii. The next step is to update/change DIME system by the IT team. It is anticipated in July 2025.
    - b. Performance Based Alkali–Silica Reaction (ASR) Mitigation
      - i. Milestone Extension Request Memo approved by CTG and sent to the EC.
        - 1. EC supports the request.
    - c. Blended Supplementary Cementitious Materials (SCMs) – Addendum to the Final Report
      - i. The addendum was approved by CTG.
      - ii. **Action item:** Hadi to send the addendum to EC. **DONE**
      - iii. It will implemented in October 2024 Standard Spec.
    - d. Replacing the R-Value Testing for Unbound Materials with an Alternate Test Method
      - i. UCPRC could not get low strength aggregate subbase (AS) that was below Caltrans standard AS materials but are working on manufacturing in laboratory for testing.
        - 1. Samples were sent to UCPRC but AS materials with lower R-Value (~ 20 to 40) is desired.
          - a. **Action Item:** Allen and Reimond to follow up with UCPRC and George.
        - ii. WG was actioned to prepare a Milestone Extension Memo.
    - e. Specification Improvement of Concrete Pavements with RSC
      - i. The final report and specification language were submitted to CTG.
      - ii. Training on design aspects might be needed.
    - f. Concrete Sustainability and Performance Roadmap
      - i. Comments were received from Caltrans EC. It will be submitted to CTG by the end of March.
5. Scoping Documents
  - a. Full: Concrete Pavement Specified by Fixed Value of Compressive Strength
    - i. SD was signed and an effort to collect strength data was started.
    - ii. **Action Item:** Sajia to move this SD up to active work product.
  - b. Full: Use of Low Nuclear Density Gauge to Determine Compaction of Unbound Materials
    - i. EC comments have been addressed. Next step is to collect signatures.
  - c. Short: ASR Specifications and Testing Criteria for Authorization of SCMs
    - i. EC signed the SSD.
    - ii. Working group is drafting a full SD and the target date is the end of March.
6. Decision Document
  - a. Lime, and/or Cement to Dry Up Soils
    - i. Published on PMPC website.
  - b. Tie Wires in Dowel Bar Assemblies
    - i. Published on PMPC website
  - c. Surface Skid Resistance Test for Concrete Pavement Acceptance
    - i. Published on PMPC website
7. Review bin list (due to time, not covered; files will be updated)
  - i. Foundation STG bin list
    - 1. No changes.
    - 2. Remove requirement of aggregate qualification testing for virgin aggregates used in Lean Concrete Base (LCB) will be addressed in a Decision Document.
      - a. **Action Item:** Sajia to add this Decision Document to the CTG Monthly Update.
  - ii. Concrete Pavement STG bin list
    - 1. No changes.

- iii. MQ&A STG bin list
  1. No changes.
  2. STG will be reevaluating the bin list.
8. Open Discussions
  - a. None
9. Action Item
  - a. CTG to instruct the M&QA STG to form a working group and prepare a full scoping document to address mix design change.
  - b. Tim to report on the status of concrete pilots and EPD data collections to EC by 4/4/2024
  - c. Allen and Reimond to follow up with UCPRC and George for R-Value testing and AS materials.
  - d. Sajia to move Concrete Pavement Specified by Fixed Value of Compressive Strength SD up to active work product.
  - e. Sajia to add "Remove requirement of aggregate qualification testing for virgin aggregates used in LCB" Decision Document to the CTG Monthly Update.
10. Roundtable
11. Upcoming Meetings
  - a. EC+CTG Meeting: June 20, 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](#)