

# PMPC Executive Committee/Concrete Task Group Meeting Minutes

**Date: March 18, 2021**  
**Time: 8:30 am-10:00am**  
**Location: Webex Meeting**

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**Facilitator:** Tim Greutert

**Attendees:** Shaila Chowdhury, Doug Mason, Raymond Tritt, Kevin Keady, Brandon Milar, Charley Rea, Tim Greutert, Kuo-Wei Lee, Keith Hoffman, Ken Solak, Mark Hill, Kelly Lorah, George Butorovich

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## 1. Introductions/Review Agenda

- I. Group reviewed the agenda and introduced themselves.
- II. Shaila Chowdhury was introduced as acting State Pavement Engineer.

## 2. Action Items from 12/17/2020 PMPC EC + CTG meeting (All):

- I. Send smoothness schedule that Dulce created to show where districts have smoothness specification and estimated completion date. (Kuo-Wei) **Completed**
- II. CTG has seen short scoping document for Concrete Mix Design Naming but not the full scoping document, share short scoping document with EC. (Keith or Kelly) **Completed**
  - a. Keith to get answer on timing for scoping document on Concrete Mix Design
  - b. Ken Solak, I have been working with working group to add e-ticketing to DIME.
  - c. Keith wasn't aware the e-ticketing being added to the scoping document, Ken is working with Jeremy in METS.
  - d. Charley: Are you going to reach out to industry regarding e-ticketing?
    - i. Ken, working within working group which has industry on it, piloting with some contractors .
    - ii. Charley: It is a good idea to work with the material suppliers, since they are the ones issuing the weigh tickets.
    - iii. E-ticketing was a FHWA initiative under was ED-6 that was tasked to Construction to implement.
- III. Send final RCCA report to EC. (Keith or Kelly) **Completed**
- IV. Check with Tom and ATG on database used for Pilot Project tracking. (Doug) **Completed**
- V. Provide short scoping documents for ASR mitigation and blended SCMs to provide to the EC for comment. (Kelly or Keith) **Completed**
- VI. Send Foundations short scoping documents to Doug after Ken review the Foundation short scoping documents for EC approval. (Kelly) **Completed**
- VII. Determine whether or not we need to put together a team to discuss short term fly ash issues and remedies. (Kuo-Wei) **Completed, no team is needed. Monitoring situation.**

## Action Items from PMPC EC + CTG meeting held on 9/17/2020:

- I. Check with staff on Precast concrete issues, where best to address in a committee. (Kevin) **Completed**
  - a. There was some plant and field issues that weren't being addressed in the PMPC like they were in the old RPC. These items are being handled by the Accelerated Bridge Construction (ABC) Advisory Council. Items brought up under the council that are pavement related will be sent to PMPC STG for work on in their bin list. Talked about more transparency about what the council is doing by sharing with industry partners their discussions.
- II. EC to look at bigger picture for Foundations, should it be a STG or its own TG. (EC) **Ongoing**

## 3. Introductory Urgent Issues (All):

- a. None

## 4. CTG Work Products

- I. Evaluate the Revised Concrete Pavement Smoothness Specifications (Kuo-Wei Lee):

- a. Currently tracking 21 projects with smoothness specification, 6 of those projects will be complete by June in time for the collect and compile final data milestone date. WG has received two projects smoothness data to date and will start analyzing the data soon. WG has not received any project data from the Group 2 projects (projects with on-going construction contract after 6/30/20).
  - b. Brandon: Has the Concrete WG developed their analyzing strategy yet? It took a couple of meetings on the Asphalt side to look at what data we wanted to analyze.
    - i. Kuo-Wei: Not sure if they have yet.
  - c. George: Brandon, if you can, can you share the metrics developed by the Asphalt side with the Concrete WG, it would help get a jump on getting started.
  - d. **Action Item: Share Asphalt smoothness metrics with the Concrete WG.**
- II. Concrete Pavement Acceptance Based on Compressive Strength (Kuo-Wei Lee):
- a. WG started report and then added 10 more states specification data into the report for a total of 36 states. California and Indiana are the only two State DOTs out of those surveyed whose concrete pavement acceptance is based on flexural strength only.
- III. Evaluating Maturity to Estimate Open to Traffic Strength of Concrete Pavement (Kuo-Wei Lee):
- a. On track and schedule. WG has reviewed an additional 8 specifications from other DOTs.
- IV. Portland Limestone Cement (PLC) on Concrete Performance (Keith Hoffman):
- a. On schedule.
  - b. Oregon State University (OSU) have had some delays with the report due to COVID. Report will be final in April. They have been sharing their test data and we have a good handle on the test data. I am looking to have Jason Weiss present the research on the PLC to the group.
- V. Closed/Tracking List
- a. Keith: Update on the crackless bridge deck specification, the group was not tracking good projects only those projects that failed and at this point have no failures.
5. Review of Bin List (Keith Hoffman):
- I. Concrete STG bin list:
- a. The STG will develop short scoping documents (SDs) on the top two priorities on the bin list, Review/update the RSC specifications and requirements in Section 40 and evaluate the use of concrete overlays on Caltrans projects. Will work on first priority short SD then second priority short scoping document. The short SDs should be available in the next month or so, in April.
- II. MQA STG bin list was presented.
- a. Top two priorities the EC has seen the short SDs for Improved ASR Mitigation and Blended SCMs. Still waiting for the full scoping document to be completed,
  - b. Proposed change in some priorities due to recent DES Committee decision. Concrete corrosion specification is being recommended moving from priority 6 to priority 3.
    - i. Keith will be pushing for the upgrade change in priority.
    - ii. Keith also plans to share the information out of the DES Committee with industry.
    - iii. **Action Item: Kevin and Keith to present at next EC + CTG quarterly meeting, the efforts going through the DES Committee such as the corrosion issue and bridge items.**
  - c. Tim: We need to be able to track our pilot projects from all committees to track performance. Important to document these pilot projects for our future replacements on the performance of products and why we made the decisions we did at that time using pilot projects for new specifications.
- III. Foundations Bin list: CTG reviewed the bin list.
- a. STG is currently working on developing the full SD for the top three priorities, Replace R-value testing for unbound materials, replace compaction method to determine application rate of lime for soil stabilization, and use of lime/cement for drying up subgrade. The first 2 items on the bin list are currently being circulated for comments.
  - b. STG is working to finalize the teams for the WGs.

6. OSU Research (Keith Hoffman):

- a. Keith reported the OSU report and research on Portland limestone concrete will be completed in April.
- b. **Action Item: Keith will set up a Webex meeting open to Steering Committee, EC, and working group to share the research from OSU.**
- c. The Committee has been successfully monitoring the research and its findings. A success story!

7. Foundation Sub Task Group Update:

- I. Most of the information was covered in the review of the Foundation STG bin lists and the status of the scoping documents that was to be discussed.

8. Roundtable

- a. A lot of positive stuff happening in the PMPC, don't have much to say.
- b. **Decision: Keith to meet with Kuo-Wei, George, and Mark after the meeting around 11 am to discuss Concrete Naming group.**
- II. The group is working on the fly ash report, next meeting is scheduled for April 9. Final report should be done by June, end of fiscal year.
- III. Ken: Construction is working on Construction Policy Directive amendment to 20-28, where it didn't allow you to interchange between 4- by 8-inch cylinders or the 6- by 12-inch cylinders. This change will allow you to interchange either cylinder.
- IV. Kevin: Currently working on backfilling Jeff Goronea's position. Interview being held soon.
- V. Kevin: The whole corrosion issue with industry caught us off guard. We need to improve communication of the DES committee. Kevin will engage Tim, Keith and Shaila in the discussion on how best to share information between the groups.

10. Decisions made/Approvals given by EC:

- I. Keith to meet with Kuo-Wei, George, and Mark after the meeting around 11 am to discuss Concrete Naming group.

11. Action Items

- I. Asphalt to share Asphalt smoothness metrics with the Concrete WG. (Brandon/Alan)
- II. Keith will set up a Webex meeting open to Steering Committee, EC, and working group to share the research from OSU. (Keith)
- III. Kevin and Keith to present at next EC + CTG quarterly meeting, the efforts going through the DES Committee such as the corrosion issue and bridge items. (Keith or Kevin)