

# PMPC Executive Committee/Concrete Task Group Meeting Minutes

**Date: March 25, 2019**

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

**Location: 5900 Folsom Boulevard, Sacramento**

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Attendees: Sergio Aceves, Dan Speer, Ray Hopkins, Russ Snyder, Charley Rea, Keith Hoffman, Blair Anderson, Mark Hill, Deepak Maskey, Cortney VanHook

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Meeting started with self-introduction, agenda review, and the followings were discussed:

Sergio Aceves informed that the rescheduling of meeting was due to the unavailability of many members, and EC will make decision on meeting rescheduling process.

## 1. Action Items from 12/20/2018 Meeting (All):

All action items accomplished except "e. Tom Ostrom will develop process for industry to get opportunity to review structural specifications." Caltrans is working internally for Industry to get opportunity to review structural specifications.

## 2. Introductory Urgent Issue (All):

No urgent issue emerged. However, recommended to route smoothness specifications including to Industry so there will be no surprise for Industry.

## 3. Evaluate the Revised Concrete Pavement Smoothness Specifications (Blair Anderson):

- I. CT Construction completed 2 training for the trainers in February and looking for additional 2 trainings. A recorded training session is available on the website.
- II. CT Construction is looking for Construction Procedure Directives (CPD) for concrete pavement smoothness similar to the Asphalt CPD.
- III. Caltrans Internal memo has been sent out on February 14, 2019, to Districts to use smoothness nSSP in all Caltrans projects.
- IV. Industry is pleased with the collaborative approach with industry and the outcome on pavement smoothness issue, and that some recognition of Caltrans is in order.

## 4. Precast Pavement - Phase II Enhanced Jobsite Quality (Keith Hoffman):

- I. WP group is reviewing all past project for the issues with precast pavements including who is responsible for what.
- II. Risk register identified and found the most probable problems are in the field.

## 5. Use of 4x8 Cylinder for Compressive Strength Testing (Keith Hoffman):

- I. All members discussed safety, environmental, and economical benefit of using 4X8 cylinder for testing compressive strength of concrete.
- II. EC members suggested to update delivery date for milestone "NSSP for Pilot Project."

## 6. Concrete Mix Design Naming Protocol (Keith Hoffman):

- I. The issue of tolerance of concrete ingredients used in concrete mix design for the particular naming is under consideration. Suggestion was made to use concrete batch plant tolerances for concrete mix design.
- II. The tolerance of concrete ingredients for concrete mix design naming protocol will be applicable to the environmental product declaration (EPD).
- III. The issue of having concrete mix design number on the concrete batch ticket need to be resolved.

- IV. Industry prefer some latitude to adjust the requirements for concrete mix design numbering.
  - V. EC members concerned with the meeting delivery due date 4/30/2019 for milestone “Re-address obstacles, capture best-worst case scenarios, recommend QM process to achieve outcome”, and suggested to inform EC with outcome of this milestone.
7. Recycled Crushed Concrete Aggregate for use in Cast In-Place Concrete Pavement (Keith Hoffman):
- I. Working Group is on track of literature search and looking for additional information including source, implementation, and alternative concrete pavement design and construction. A report may be needed to quantify the environmental benefits.
8. Specifications for Concrete Pavements with Limited Construction Windows (Keith Hoffman):
- I. Kick-off meeting held and discussed about goals for the group and the intended purpose.
9. New SD: CT 523 Method of Test for Flexural Strength of Concrete (Keith Hoffman):
- I. EC members concerned with aggressive delivery dates and suggested to change delivery dates to comply with the Caltrans specifications publishing dates.
  - II. EC members suggested to revise “2. Performance Tracking/Management” under the “Approach” section for the consistency.
8. Review Bin List (Keith Hoffman):
- I. CTG provided unified bin list with priority.
  - II. All members discussed priority of the bin list and decided to keep as it is and suggested that the priority could be changed depending on the importance and the availability of resources.
9. Round Table (All):
- I. Russ Snyder enquired about consensus and reaching consensus within the groups. Keith Hoffman suggested that getting consensus is good approach to move forward but the situation may not be ideal.
  - II. Dan Speer suggested if CTG perceives the need to have some sort of EPD task in the bin list? Keith Hoffman informed that EPD Implementation Project Manager, Jackie Wong has been in the loop with everything going on particularly with concrete mix design naming protocol.
  - III. Dan Speer asked if asbestos in concrete hit radar at all? Mark Hill informed that Chevron Company has started to have requirement of source of aggregates and asbestos free aggregates in concrete.
  - IV. Dan Speer informed that concrete seminar is proposed for October or November, and Keith Hoffman from Caltrans is in steering committee.
10. Action Items:
- I. Update delivery date for milestone “NSSP for Pilot Project”, WP “Use of 4x8 Cylinder for Compressive Strength Testing” (Keith Hoffman).
  - II. Revise scoping document “CT 523 Method of Test for Flexural Strength of Concrete” with the updated delivery dates and revising “Performance Tracking/Management” for consistency (Keith Hoffman).