

PMPC Concrete Task Group Meeting Minutes

Date: June 10, 2020

Time: 10:00 AM – 12:00 PM

Location: DOT Translab – OSM Room 514

Facilitator:

Attendees: Keith Hoffman, Kuo-Wei Lee, Ken Solak, Kirk McDonald, Mark Hill, Dulce Feldman, Divyesh Vora, Jacquelyn Wong, Bruce Carter, Arshad Vali, Nathan Forrest, Cortney VanHook, Doug Mason

Not in Attendance: Chu Wei

1. Review Past Action Items
2. Review of Work Products
 - a. Pavement Smoothness
 - i. Will develop interim report with data obtained so far
 - b. Precast Pavement – Phase II
 - i. On track, will be finishing spec update
 - c. Concrete Mix Design
 - i. Next milestone to develop and publish specification
 - ii. Running into some issues with the spec
 - iii. Industry - Not plausible to do a change in mix design number for every change in source of material
 - iv. Nathan to speak with Brett about needing to push out dates
 - d. Recycled Crushed Concrete Aggregate
 - i. Spec developed by STG in May
 - ii. CIP STG believes material spec should be in section 90 not section 40
 - a. Having in section 90 will allow RCA to be used in areas as applicable
 - iii. Working group will evaluate pilot projects and collect data
 - e. CT 523 – Flexural Beam
 - i. Spec posted in April RSS
 - ii. CTM posted to website in May of 2020
 - iii. Jackie working on final summary report to close out work product. Will route to working group for review. Eventually will be submitted to the CTG
3. Review of bin list/Scoping Documents
 - a. Portland Lime Cement

- i. Approved by CTG ready for signing
 - b. Maturity Testing
 - i. Minor changes have been confirmed by the STG
 - ii. Approved by CTG ready for signing
 - c. Compressive Strength
 - i. Approved by CTG ready for signing
 - d. PCP Phase III
 - i. Comments sent back to STG for revision
 - ii. CTG wants change in timeframe to 1.5 years vs 2 years
 - a. STG wants to stay at 2 years in order to develop a quality project
 - b. Kuo-Wei - EC wants to finish work product within 1 year. Keith under impression that use of consultant should reduce time needed
 - iii. Consultant to be utilized would come from the pavement group. Would first have to evaluate resources
 - iv. Schedule would be very dependent on consultant qualifications
 - v. CTG agrees to keep at 2 years and to explain at EC meeting the reasoning behind it
 - e. Need to update bin lists. STGs will work on revising and submit to the CTG before next quarterly meeting
- 4. Status of Pilot Projects/Long Term Tracking/Standard Specifications
 - a. Crackless Bridge Deck
 - i. Also applies to new approach slabs not in replacement slabs
 - ii. Currently working on pilot projects
 - iii. Keeping an eye out for development of divots in the concrete. Working on internally with Caltrans trying to evaluate approach. Industry to be aware
 - b. Low Flexural Beam Spec Language
 - c. Corrosion specification
 - i. How to design mix but focused on the whole system
 - ii. Application applies to any concrete mixes
 - d. Report on SCM supply and ASTM/ACI
 - i. Industry apart of the National Polozzan committee which also takes on SCMs
 - ii. Still seeing spot shortages
 - iii. Lot of work on reclaiming for fly ash
 - iv. Lots of emphasis on renewable energy

- v. Should review section 90 spec and take a rational look at how much SCM is actually needed. The arbitrary equations in the spec currently are not enough
 - e. Add 4x8 Cylinders
5. Roundtable/Review Action Items/Next Meeting
- a. EPDs
 - i. Jackie will be setting up a meeting with both Caltrans and Industry in July to brief group of current updates and discuss next round of pilot projects
 - ii. Looking into doing a unit price model for paying for EPDs
 - b. 4x8 Cylinders
 - i. Most of the changes handled through test method
 - ii. Changes in specification are minor
 - c. Kirk – Looking for a co-chair to be starting near the end of the year to replace Kirk
 - d. Arshad Vali new email avali@jensonprecast.com
 - e. Kuo Wei - Mixer calibration updated in section 90-3 is on track to make next RSS posting

Action Items:

1. Send new dates for Concrete Mix Design to Cortney – Nathan/Brett – 6/12/20
2. STGs to develop revised bin lists and submit to CTG – STGs – 8/21/20
3. Add 4x8 Cylinders to tracking list – Cortney – 6/12/20
4. Send revised PCP Phase III scoping document to CTG – Dulce – 6/10/20
5. Look at CT 523 data exchange availability – Ken – 6/19/20

Action Items from 5/13/20:

1. Evaluate existing A&E contracts (Pavement & Construction) to determine if there is capacity to work on PCP Phase III manual – Kuo-Wei & Ken – 5/22/20 - **Complete**
2. Evaluate DIME requirements for precast – Divyesh – 5/22/20
3. Revise and resend Type 1L scoping document per comments – Jackie – 5/22/20 - **Complete**
4. Clarify Maturity Testing scoping and break down milestones to add more details – Dulce – 5/22/20 - **Complete**
5. Send compressive strength scoping document to Industry for review – Cortney – 5/15/20 - **Complete**

6. Develop binlist of items for proposal of new Foundation STG and send to Ken/Keith for review – Kuo-Wei – 5/22/20 - **Complete**

Action Items from 2/12/20:

1. STG's to review and update individual bin lists for submission to TG – STG's – 5/20/20