

PMPC Materials and QA STG Meeting Minutes

Date: Wednesday – June 5, 2019

Time: 11:00 AM – 12:00 PM

Location: OSM Building, Rm 514

Phone Bridge: (866) 676-8836 – Code: 6275887

Facilitator: Jacquelyn Wong (CT Chair)

Attendees: Nathan Forrest (CNCA), Jacquelyn Wong (CT), Ron Jones (CT), Robert Foley (Cemex) *
Lance Li (CT, Meeting Secretary)

*by phone

1. Introduction (Phone*)

Nathan Forrest (CNCA)

Jacquelyn Wong (CT)

Ron Jones (CT)

Robert Foley (Cemex) *

Lance Li (CT, Meeting Secretary)

2. Scoping Document Update/Briefing by WG Chairs

Use 4x8 cylinders for compressive strength test (Jackie)

- Literature shows that we have enough information and confidence to move forward.
- Implementation plan which covers the joint training plans, QC, specification change and contract manual change, has been drafted and a clear roadmap is included in it.
- Jackie will discuss with Patrick regarding some of the minor issues in the document and have him put everything in one package and share with everyone.
- Data from pilot projects are on the way.

Concrete Mix Design Naming system (Jackie/Nathan)

- On May 3rd, WG had an industry reach-out meeting and the feedback is generally positive. After discussion, they decided to include the naming ID on the mixture design sheet (not on the batch ticket).
- WG has already drafted the specification and the deadline is June 30th.
- Will have a WG monthly meeting in next week (June 11th).

Recycled Crushed Concrete Aggregate for use in Cast In-Place Concrete Pavement (Ron Jones/Lance)

- More than 40 studies and a list of practical application of RCA were found, and Chico State will help WG to sort through it.
- A matrix table summarized the most important properties of RCA were drafted by WG and will be shared to industries to see if they have any comments.
- Will have a meeting with Chico State in 2 weeks to make sure they are on the right track and after that updates meeting will be held monthly between CT and Chico State.

- Concerns were mentioned at the meeting that the scope of the project need to be specified, should not too board. WG need to think about how to define the term of “recycle crushed concrete”, including its source, scope etc. How to use the sorted information to move forward in next phase.
- On May 8th meeting, industries show a high-level of interests to this project and they don’t have anything to add to the current literature pool.

Flex Beam Test Method (CT 523/ASTM C78) (Jackie Wong)

- WG had a first WG meeting two weeks ago, 7 consensuses from 2015 report were discussed and voted on the meeting.
- The draft is out with all members and the final version is due on July 5th.

3. Open discussion

M&QA STG Bin List Prioritization (March 2019)

- The approved bin list ranks “Allow the use of blended SCMs” as the first priority and “Support tasks associated with ongoing Type IL research” as the sixth priority at TG level.

DES committee updates

- Corrosion guidance and specs are going to be revised according to LRFD 8th Ed next FY.
- Piloting shrinkage requirement of new approach slabs will decrease from 0.050 to 0.032 and require SRA/fibers similar to deck.

Type IL research

- OSU research team have finished the screening test (ASTM C441) and still in the process to get more reactive aggregate for further ASR evaluations.
- The steering committee will have a meeting with OSU next month to review and discuss the work and progress they have done so far.

Other personnel changes

- Will Sommer left the RCA working group and his position was filled by Lance Li (CT).
- Patrick Lo (CT) will be replaced on CT 523 group by Larry McCrum (CT).