

## MQA Subtask Group Meeting Minutes

**Date: Monday, June 8, 2020**

**Time: 10:00 AM – 11:30 AM**

**Location: WEBEX MEETING**

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**CT-Chair:** Jacquelyn Wong

**IN-Lead:** Nathan Forrest

**Attendees:** Jacquelyn Wong (CT), Nathan Forrest (Ind), Samir Ead (CT), David Lim (CT), Robert Hightower (Ind), Bob Foley (Ind), Katha Redmon (Ind), Patrick Lo (CT), Deepak Maskey (CT), Lance Li (CT-Notes Keeper)

Work Product Groups:

### **Use of 4x8 Cylinders for Compressive Strength Testing**

Caltrans Members: Patrick Lo (METS, Chair), Tom Collins (OSC), Larry McCrum (METS), Samir Ead (HQ Constr)

Industry Members: Tom Van Dam (NCE), Greg Halsted (PCA), Marc Robert (G3 Testing), Katha Redmon (Graniterock)

### **Unique Concrete Mix Design Naming System**

Caltrans Members: Brett Soldano (METS, Chair), David Lim (Pavement), Tom Collins (OSC), Jeff Goronea (SP&I)

Industry Members: Nathan Forrest (CNCA), Ken Sears (Boral), Subhada Gadkar (National), Michael Taylor (Private)

### **Recycled Crushed Concrete Aggregate for use in Cast In-Place Concrete Pavement**

Caltrans Members: Deepak Maskey (Pavement, Chair), Samir Ead (HQ Constr), Lance Li (METS), Ron Jones (Pavement)

Industry Members: Don Vivant (Sully-Miller), Matt Hansberger (Holliday Rock), Pete Conlin (Teichert), Katha Redmon (Graniterock)

### **Revise CT 523**

Caltrans Members: Jacquelyn Wong (METS, Chair), David Lim (Pavement), Larry McCrum (METS), Samir EAD (HQ Constr)

Industry Members: Nathan Forrest (CNCA), Bruce Carter (SWCPA), Marc Robert (G3 Testing), Subhada Gadkar (National)

## **Meeting Notes:**

1. Introduction
2. Project Updates/Briefing by WG Chairs
  - a. Use of 4x8 Cylinders for Compressive Strength Testing (Patrick)
    - i. The final report was submitted to subtask group (STG) by January 30th and RSS is targeting to post online in October of 2020.
    - ii. On Caltrans side, we are still doing the implementation efforts. Such as get all the labs on board and procure all the needed materials/equipment ready, etc.
    - iii. Samir suggested to give construction a heads up before implementing since construction may need to send out a CPD and other preparations for the change.
    - iv. All team members agreed to keep this project open and not close it up until the implementation (being actually used) is done.
  - b. Concrete Mix Design Naming System (Nathan)
    - i. The WG had a meeting three weeks ago and some serious input was made by the industry. They will recommend the changes on the proposed specs and make the districts happy. Comments and suggestions from the last routing (February) will be considered and addressed in the latest reversion.
    - ii. The WG will decide whether they can meet the July 3rd cutoff date for the OCT RSS or not by next week.
    - iii. The February version is the latest version that Nathan shared with the industry folks.
    - iv. One of the main motivators of this project is to make Caltrans be able to track the long-term performance of concrete mixes. However, when the source of the raw materials changes, the new

mix IDs will be generated as the proposed specs are written, this will eliminate the ability to track the mixes, since it will end up with many IDs for one mix.

- v. Florida DOT's practice: when anything changes in the mix, the supplies will submit it to the DOT and the engineers will decide whether to assign a new tracking number or not based on their engineering judgment.
  - vi. CMTB received a request on fly ash source change last week, and the chemical mill cert were reviewed to decide that the two fly ashes were close enough to shift without re-qualification. Like this kind of change, we can add some minor notes on the cover sheet of the mix to differentiate (like Mix name-A, mixture-B).
  - c. Recycled Crushed Concrete Aggregate for use in Cast In-Place Concrete Pavement (Deepak)
    - i. The WG has finished the first draft of the Design Guidance for use of RCA in pavement and will have a group meeting to discuss this draft on June 16th /17th.
    - ii. The deadline for the design guidance is June 30th, 2020 and the next deliverable is the final report which is due by July 31st, 2020.
    - iii. All comments and questions from the last routing of the specifications were received and the WG addressed all the comments in the responses last month.
    - iv. Jackie suggested to circulate the specs draft for another round to all districts since they are the stakeholders that will actually going to implement it. Lance will coordinate with districts' SME to route the specs draft and to collect any comments and suggestions.
  - d. CT 523 Flexural Beam Test Method (Jackie)
    - i. The RSS was posted in April, and this CT was posted and available online on May 1st.
    - ii. Industry communication/newsletters mentioned this change.
    - iii. All the deliverables have done, and the team is still working on the closeout summary and will share with the team once finished.
3. Other Project Updates
- a. Review Bin Lists: STG-2019? and CTG-Feb 2020
    - i. The voted top ten voted topics were listed based on the last survey that Nathan sent to all members.
    - ii. The STG will clean this bin list up for submittal to CTG.
  - b. Scoping Document for Type IL to CTG
    - i. Lance/Kirk assembled the team and finished the full scoping document. The scoping document draft was circulated in both Caltrans and the industry, and all comments were addressed in the latest version. The final version was submitted to the CTG for approval.
    - ii. Lance will represent Caltrans to lead the working group.
4. Open Discussion (Hot Topics)
- a. Latest fly ash shortage notice and response
    - i. Industry: The fly ash shortage may last for a while, although the speed of projects is very slow during the COVID 19 pandemic.
    - ii. CMTB is working on a technical guidance on changing of fly ash in concrete mixes and aiming to address the possible fly ash switch issues that contractors may meet during construction.
5. Action Items:
- | YR-MO-# | Task   |
|---------|--|
| 20-2    | Lance will route the RCA specs to districts' DME and collect any comments and suggestions from them. (Lance) |
| 20-3    | Jackie will compile the voted STG-2019 bin list and submit it to CTG (Jackie)                                |