

**GREENBOOK COMMITTEE
NEW MATERIALS-SURFACE SUBCOMMITTEE
CONCRETE AD HOC GROUP**

Meeting Minutes: March 10th, 2022

Chairman Nathan Forrest called the meeting to order at 10:35am. The meeting was held via Zoom (only)

GoTo Meeting/Conference Call Participants announced themselves:

Nathan Forrest (Chairman) – CNCA	Mile Soler - OCPW
Don Vivant – Sully Miller	Rob Huning – City of LA
Francisco Miranda – G3	Shubhada Gadker – National Ready Mix
Gary Kirk – CalPortland	Sydney Wilson – CalPortland
Jeff Pollard - P.W. Gillibrand	Vin Tran - OCPW
Jim Little – Martin Marietta	

1. Call to order, Sign-Ins, and Self-Introductions
2. Minutes from the previous meeting:
 - a. Minutes from the February 2022 meeting were reviewed by all
 - b. A motion to approve minutes was made by Vin Tran. Minutes were approved without objection.
3. Old Business: Change 314SM - Table 200-1.4(B); No. 3 Gradation limits on 3/8” Sieve Size
 - a. Item has been advanced to Surface & Materials Subcommittee for review and advancement
4. Current Business:
 - a. Change No, 304SM: Section 201-1 Reorganization
 - i. Recycled materials section:
 1. Proposed language was reviewed, no further changes were noted
 - ii. Portland Limestone Cement:
 1. A concern had been previously raised at the February meeting regarding shrinkage.
 2. The shrinkage portion of the Caltrans/OSU study was reviewed. No concerns were noted by the researchers. The ‘Findings’ portion of the Shrinkage section included the following:
 - a. “Preliminary testing on shrinkage cracking showed no statistically significant difference in cracking performance, consistent with the literature. Due to similar drying shrinkage and the literature, the Study Advisory Committee determined that additional restrained shrinkage cracking testing was not needed. As a result, variations in shrinkage with replacing Ordinary Portland Cement with Portland Limestone Cement or Ordinary Portland Cement with added Limestone do not appear to be a sufficient concern as it would relate to shrinkage cracking.”
 3. It was discussed and determined that this item should be pulled out and advanced as a separate change No. so that it could be made part of the 2023 supplement. Following the meeting, the chairman completed a change order request and sent the proposed language to the Surface & Materials Subcommittee for review and advancement
 - b. Potential new/upcoming work items:
 - i. Lightweight Cellular Concrete
 - ii. Carbon Capture
 - c. Alternative SCMs: It was suggested at the February meeting to begin crafting a proposed change to cover these and possibly other alternative SCMs. The City of Los Angeles will sponsor the change. This change request was reviewed and advanced to Surface & Materials Subcommittee for review and advancement
 - i. Natural Pozzolans
 - ii. Slag

iii. Ground Glass

d. Sustainability Topics: The new NRMCA Revised Industry-Average EPD for Ready-Mix Concrete was reviewed and discussed

5. New Business:

a. SB 778 – An update on the Buy Clean Concrete proposal was supplied by CalCIMA and was discussed at the meeting. The committee will continue to receive regular updates on this topic as it progresses.

6. Next meeting: will be **April 14th**, and will be a **VIRTUAL MEETING ONLY** - meetings will be virtual only for the foreseeable future.

7. Meeting was adjourned at 11:32am

Submitted by:

Nathan Forrest, Chairman