

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

MINUTES
November 19th, 2019

Interim-Chairman, Nathan Forrest called the meeting to order at 10:30am. The meeting was held in the conference room at:

OC Public Works
1152 E. Fruit St., Santa Ana, CA
Conference Room B

1. Self-introductions were made by the participants in attendance (from the sign-in sheet):

Art Bigelow – CTS
David Brodahl – LA County DPW
Jim Little – Lehigh Cement
Nathan Forrest – CNCA
Vince Perez – Euclid Chemical
Mike Soler - OCPW

Conference Call Participants announced themselves:

Jeff Pollard – Vulcan Materials
Josh Cavendar - Cemex

2. Minutes from the previous meeting:

- a) Minutes from the October 10th 2019 meeting were reviewed by all
- b) A motion was made by Vince Perez to approve the minutes
- c) Motion passed without objection

3. Current Business:

- a) Nathan Forrest was selected as new interim Concrete Ad Hoc Committee chairperson
- b) Change No. 286MMS Fly Ash in Concrete Specified by Class and Special Exposure Mixes (201-1.1.3) – Group
 - i. Discussion of incorporating reference to ACI 318-19, Chap. 19 for exposure conditions beyond what 201-1.1.3 contemplates
 - ii. Jeff Pollard to forward Chap. 19
- c) Individual gradation limits for No. 3 Rock in Table 200-1.4 (B) - Pollard
 - i. No. 3 rock was used for drainage application in Section 300-3.5.2 Pervious Backfill at weep holes. Proposed revision of requirement on 3/8” sieve from 8-20 to 0-20 will make material coarser and benefit drainage.
 - ii. Ad-Hoc committee voted unanimously to approve this change.

iii. Change will be forwarded to Surface Subcommittee for next meeting.

d) Section 201-1 Reorganization – Group

- i. No Update. Changes to be incorporated into 2021 Greenbook will need to be approved by Main Committee by August 2020.
- ii. Concrete Ad-hoc will need to have these changes complete by May 2020 to allow time for other committee approvals.

e) 201.1.1.5 Mortar Cube tests - Perez:

- i. Setting of Mortar per CT 515 (2013)
- ii. Drying Shrinkage (with admixture) per CT 530 (2013)
- iii. Why CT Methods and not ASTM or AASHTO? (CTs going away, ASTM is more detailed & more recent)
- iv. Discussion of the different curing methods under the different methods and common Structural Engineer's modification to curing standards

4. New Business:

a) Sec. 201-1.1.4 Minimum Cement Content requirements

- i. Requires 560+ lbs/CY of cement or cement+SCM for 3,250+ psi
- ii. Can minimum requirement be eliminated if required strengths are being met?

5. Next meeting: will be **Thursday, January 9th at 10:30 am**, at OC Public Works, Santa Ana.

6. Meeting adjourned at 11:14am

Submitted by:

Nathan Forrest

New Interim Chairman