

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

MINUTES
April 13, 2017

Interim-Chairman, Durand Long called the meeting to order at 9:35 am. The meeting was held in the conference room at:

CTS Cement
11065 Knott Avenue, Suite A
Cypress, CA 90630

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

Art Bigelow – CTS Cement
David Brodahl – LACoDPW
Durand Long – OC Public Works
Jeff Pollard – Vulcan

Jim Little – Lehigh Cement
Nathan Forrest – CNCA
Vince Perez – CTS

Conference Call Participants

Chris Walz – Cemex
Cliff Ohlwiler – Old Castle Precast

Jay Lukkarila – 3M

2. A motion to approve the minutes from March was approved and seconded.

3. Current Business –

- Change No. 280NS – Mortar Cement, Walz
 - Group reviewed editorial comments sent by Updyke on 4/11. Group okay with changes and will resubmit to Updyke.
- Change No. 246NS - ASR Testing Requirements, Sears, Long, Group
 - Group reviewed changes made by Surface Committee. No comments.
- Change No. 272NS – Rip Rap and Grout, Pollard, Long, Martindale
 - Pollard to check with riprap contractor if placement method currently in Greenbook is acceptable.
 - Group to consider reducing drop test height to 3' or half diameter whichever greater. Drop test requirement may need to be reworded so only performed when structural integrity is in question. Pollard will compare with other standards and provide info.
 - Pollard will look into how suppliers will handle new Caltrans gradations showing nominal size.

- Change No. 285MMS - Permeable Materials, Pollard
 - Placed on 30-day hold for review and comment.
 - Long will check with surface committee for background of usage of “uniformly graded” in material specifications.

- Change No. 286MMS - Class N Pozzolans, Group
 - ASTM C618 Table 3 does not specify sulfate conditions for moderate and high sulfate levels. Group to remove reference and refer to ACI 318 , Chapter 4 Table 4.5.1,
 - 201-1.1.3 only addresses sulfate exposure. Will change “Concrete Specified by Special Exposure” to “Concrete Specified by Sulfate Exposure”.
 - Current Greenbook requires test data required for special exposure mixes to be less than 6 months old. Group could not locate in ACI a standard data requirement. Forrest will research regarding standard.

- Slag Cement, Little
 - Slag is currently being shipped out of Fontana.

- Section 201-1 Restructuring
 - Placed on 30-day hold for review and comment.

4. Our next meeting will be **Thursday, May 11, 2017 at 9:30 am**, at CTS Cement, Cypress.

5. Meeting adjourned at 11:27 am.

Submitted by:

Durand Long

Interim-Chairman