



ACI COMMITTEE 506 MEETING
Pittsburgh, PA
October 26, 2010
Rm 318

MINUTES

1. CALL TO ORDER AND INTRODUCTIONS

- *Call to order at 8:32am.*

- *General introduction; the following signed the attendance signup sheets:*

Voting Members:

(16)

Lars Balck; Mike Ballou; Nick Chen; Charles Hanskat; Thomas Hennings; Marc Jolin (sec.); Jeff Novak; Ryan Poole; Jim Ragland; Phil Seabrook, Bill Snow; Pete Tatnall; Larry Totten (chair); Curt White; John Zhang; Chris Zynda

Assoc. Members:

(8)

Dan Biddle; Ed Brady; Louis-Samuel Bolduc; Patrick Bridger; Ray Stuart; Marcus von der Hofen; Randle White-Emmrich; Chris Zweifel

Visitors:

(7)

Bob Annett; Micheal Cotter; Ron Janowiak (TAC contact); Carl Labbe; Ron Lacher; Tom Richards; Andrea Scott

2. APPROVAL OF MINUTES – CHICAGO, IL, SPRING 2010

Approved unanimously (P. Seabrook + B. Snow).

3. MEMBERSHIP:

3.1. Sign attendance sheets, and check for correct coordinates – correction on ACI website.

3.2. After meeting, Louis-Samual Bolduc, Jason South, and Larry Lepper will be elevated to voting member.

3.3. Balance: Voting Members 4 G.I., 15 Users, 15 Prod. - 34 Balanced; Consulting - 4; 29 Assoc.
= 67 Total

3.4. Committee is in balance; structural engineers are invited to the committee.

3.5.

4. CORRESPONDENCE AND ANNOUNCEMENTS:

4.1 Conferences:

4.1.1 ASTM C09.46 on Shotcrete – New Orleans, December 6, 2010 – www.astm.org

4.1.2 WORLD OF CONCRETE 2011 JANUARY 17 – 21, 2011

➔ASA World of Concrete Meetings January 17, 2011

➔ASA ANNUAL MEMBERSHIP AND SIXTH ANNUAL AWARDS DINNER JANUARY 18, 2011

5 COMMITTEE BALLOTS

5.1 506-E: on 506.2-95: Specification – Phil Seabrook - 16 Affirmative, 9 Affirmative w/comments, 7 Negative, 2 Not Returned. 94% Voting – Excellent turn out!

Refer to the attached table for details on motions and votes. There were 15 voting members present at the meeting. Sub-committee chair Seabrook announces that all comments received on that ballot were considered by the committee.

- New business item is to be added by Jim Ragland considering ballot item (see Table). An informative vote is taken during the main meeting that shows that all members present would be willing to reconsider the addition once more 506 documents are available.

5.2 506-A: on 506.4R-94 (Reapproved 2004): Evaluation – Marc Jolin – STILL OPEN (see 6.2)

6 SUBCOMMITTEE AND TASK GROUP REPORTS:

6.1 506-A: on 506.4R-94 (Reapproved 2004): *Evaluation* – Marc Jolin

- Ballot is still open. All comments and votes were considered in the sub-committee meeting. They will be included and document will be balloted again in a few months.
- The *Technical Note on Shotcrete Quality* is in desperate need input if we want to keep up with the other documents produced. Example file is available in the *ACI Committee 506 Member Work Area* under Correspondence (alternatively, contact the secretary: marc.jolin@gci.ulaval.ca).

6.2 506-B: on 506.1R-98: *Fiber Reinforced Shotcrete* – Jeff Novak

Committee is preparing a Technical Note on the *Design of Fiber Shotcrete*. Draft is in progress.

6.3 506-C: on 506R-05: *Guide* – Lars Balck

Guide will be a complement to the *Specification* document. Reorganization of the Table of content was made to correspond to the structure of the *Specification* document. Sub-committee ballot is coming.

6.4 506-E: on 506.2-95: *Specification* – Phil Seabrook

Ballot completed. See item 5.1 above and appendix.

6.5 506-F: on *New Guide for Underground Shotcrete Specification* – Chris Breeds

No meeting took place. C. Breeds wants to step down. Looking for a new chair. John Zhang volunteers to take the lead of this sub-committee.

6.6 506-G: on *New Guide to Qualification for Specific Projects* – Marcus Von der Hofen

Meeting took place; lots of discussion and drafts sections are assigned. Reviews/edits are in progress.

7 OLD BUSINESS

7.1 Definition as provided by 506 was again modified in CT. Chair Totten will resubmit.

8 LIAISON REPORTS



8.1 C660: working on policies, also on draft policies for Inspector Program. CP-60(09) is available in English and Spanish.

8.2 ACI 544: Nothing new.

8.3 ACI 546: Nobody attended.

8.3.1 ACI 562 and ACI 563 are new committees, question arise to what place shotcrete will have in these documents. Jim Ragland will be liaison on these new committees.

8.4 ASTM C09: Individuals are invited to write directly to the chair of ASTM (Mark Lukkarila, mlukkarila@gcc.com) if they wish to propose changes to C1140 and/or C1604. Committee members doing so are requested to copy John Zhang (john.zhang@amec.com) and Charles Hanskat (Charles.Hanskat@ConcreteEngrs.com).

8.5 ASA:

- New Policies – The ASA Board has approved a new policies document for the set-up and conduct of ASA sponsored certification session. The new document will be available shortly on the ASA website.
- Training material for nozzleman and future inspectors – ASA is active updating and creating documentation for the training of shotcrete nozzleman and shotcrete inspectors.
- Sustainability - The ASA Sustainability committee has completed work on the development of shotcrete specific material to appear in the new book “*The Sustainable Concrete Guide – Applications*” to be released in late 2010 by the U.S. Green Concrete Council (USGCC). An entire chapter of the book is dedicated to Shotcrete and additional shotcrete information will appear in the guide's repair chapter.

9 NEW BUSINESS

9.1 Marcus Von der Hofen to be accepted as a voting member of 506.

Motion : P. Seabrook + L. Balck, *unanimous*

9.2 Need for an « Editorial Sub-Committee »; C. Hanskat and P. Tatnall volunteer.

9.3 Jim Ragland will co-chair the *506E -Specification sub-committee*. Once the upcoming document is through, he'll take chairmanship as P. Seabrook requested to step down.

9.4 A special book chapter prepared in the past by Rusty Morgan is offered for consideration by the committee. It could easily become a *Guide for Shotcrete Repairs*.

Motion to establish a sub-committee on *Guide for Shotcrete Repairs*.

B. Snow + R. Poole. *unanimous*

9.5 Research on bond strength and voids. There is interest in the committee and there may be an occasion to submit a request to CRC for seed money.

10 ADJOURN: 11:16

10.1 Next Meeting: April 5, 2011 at Marriott Tampa Waterside and Westin Harbor, Tampa, FL