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AGENDA

RESPONSIBILITY IN CONCRETE CONSTRUCTION COMMITTEE

**Trade Room
Westin Charlotte
Charlotte, NC
Sunday, March 26, 2006
2:00 p.m. - 5:00 p.m.**

MEMBERS

Jon Mullarky, Chair
Florian Barth
Kenneth Bondy
Ronald Burg
Boyd Clark
Jeffrey Coleman
Joe Gutierrez
Geoffrey Hichborn, Sr
Brad Inman

Mohammad Iqbal
William M. Klorman
James E. Kretz
Colin Lobo
Thomas Malerk
Norm Scott
Ava Shypula
Bert Weinberg

Michael L. Tholen, Staff Liaison

1.0 APPROVAL OF MINUTES AND AGENDA

1.1 Approval of Minutes of 2005 Fall Meeting—Kansas City, MO

The Responsibility in Concrete Construction Committee (RCCC) is asked to approve the minutes of the meeting in Kansas City, MO, held on November 6, 2005, as distributed.

1.2 Approval of Agenda

RCCC is asked to approve the Charlotte 2006 Agenda.

2.0 MEMBERSHIP

Chair Jon Mullarky will announce any changes to the roster of the RCC Committee. The Chair will introduce any new members and visitors to the meeting. Members are asked to ensure that the data on the roster (*Exhibit 2.0*) are correct.

3.0 ACTIVITIES OF THE COMMITTEE

3.1 Review of CASE Document 962 D

In San Francisco, a suggested resource for RCCC was the CASE Document 962 D, "A Guideline Addressing Coordination and Completeness of Structural Construction Documents," prepared by the Council of American Structural Engineers. In New York, staff was asked to purchase a copy of the document and have it reviewed by Ken Bondy and Florian Barth. Ken Bondy and Florian Barth will present their comments on the document.

Action: This item is for information only and no action is required.

3.2 Case Studies

Bill Klorman has requested that case studies be kept as an open item on the RCCC agenda. Case studies dealing with responsibility issues can be used by college professors who teach courses including this subject, and it has been noted that courses dealing with responsibility issues may be included in ABET accreditation requirements for schools.

Action: Committee members should forward any pertinent case studies to Chair Mullarky

3.3 Future Convention Sessions

In New York, Acting Chair Mullarky requested that Boyd Clark develop an outline for future ACI Convention sessions. In Kansas City, Brad Inman suggested that performance specifications for concrete would be a good topic.

Action: Boyd Clark will present an outline for future ACI Convention sessions. Committee members are asked to forward any ideas for future convention sessions to Boyd Clark prior to the meeting in Charlotte.

3.4 New Responsibility Document

In Washington, DC, RCCC members decided to draft a new responsibility document, with

task groups assigned to each of the different entities involved in a construction project: owner, design professional, general contractor, D-B contractor, subcontractor, specialty subcontractor, material supplier, testing/inspection, and forensic consultants. Scott suggested "Guidelines for Forensic Engineering Practice," published by ASCE, as a source of good information (*Exhibit 3.5* in the New York Agenda). It was noted that each task group may publish opinion papers as they deal with issues during document development. The following motion was unanimously approved: "RCCC develop a new document, 'Responsibility in Concrete Design and Construction,' and to do so, establish nine task groups. Each task group is associated with an entity involved in construction. Each task group will have a chair whose responsibility it will be to draft an outline of each group's goals 30 days before the San Francisco convention, and to report on these findings at the convention." The task groups are as follows:

Owner

Jon Mullarky-Chair
Bert Weinberg
Tom Malerk

Design Professional

Norm Scott-Chair
Ken Bondy
Florian Barth

General Contractor

Bill Klorman-Chair
Jim Kretz
Brad Inman

D-B Contractor

Brad Inman-Chair
Bill Klorman
Jim Kretz

Subcontractor

Jim Kretz-Chair
Ken Bondy
Bill Klorman

Specialty Subcontractor

Ken Bondy-Chair
Bill Klorman
Norm Scott

Material Supplier

Colin Lobo-Chair
Ken Bondy
Jon Mullarky
Geoff Hichborn

Testing/Inspection

?-Chair

Ava Shypula
Geoff Hichborn
Boyd Clark
Forensic Consultants
Boyd Clark-Chair
Norm Scott
Ken Bondy
Bill Klorman
Geoff Hichborn
Florian Barth

Outlines for the Owner (*Exhibit 3.4a*), the Material Supplier (*Exhibit 3.4b*), the Specialty Subcontractor (*Exhibit 3.4c*), and the General Contractor (*Exhibit 3.4d*) task groups were prepared prior to the meeting in Kansas City. All task groups are asked to complete their outlines and post them to the discussion forum for comment.

Action: Each task group will present their outline for discussion by the Committee.

3.5 Use of ACI Forums

In Kansas City, Staff Liaison Tholen was asked to check the forum to see if announcements automatically come out when items are posted and to investigate the possibility of editing a document on the internet.

In December 2005, Tholen distributed an email to the Committee members explaining that each member would have to update their forum preferences on the website to allow automatic notification of forum postings.

Discussions with other staff revealed that it was difficult to maintain an up-to-date document on the web and that the simplest approach was to have Committee members forward changes in the document to Staff Liaison Tholen who would then post the most recent version of the document on the website.

Action: Committee members are asked to send their sections of the new Committee document to Staff Liaison Tholen who will update the document, post it to the website, and notify Committee members when an updated version is available.

3.6 Discussion of ACI 318-05 Review for Responsibility Statements

In New York, staff was asked to perform a search for “responsibility” or related words in mandatory-language ACI documents. Ward Malisch and Staff Liaison Tholen performed the search in ACI 318-05 and highlighted responsibility statements in a .pdf file that was

posted on the Committee website. The document can be viewed on the committee website by going to the committee member work area. It is located in the document library under draft documents.

Discussion of the responsibility statements in ACI 318-05 was held at the meeting in Kansas City. Chair Mullarky and Brad Inman stated that they did not see any issues with the responsibility statements in ACI 318-05 during their review. It was noted that the intent of Section 3.6.1, which requires approval of admixtures by the engineer, was vague. The Committee was asked to continue their review and post any items they have concerns with to the web forum for discussion with the intent of bringing these items to the attention of Committee 318.

Action: The Committee members are asked to continue their review of the responsibility statements in ACI 318-05 and post any items they have concerns with to the web forum for discussion with the intent of bringing these items to the attention of Committee 318. The Committee will discuss these items and determine the need for any suggested revisions.

3.7 Discussion of ACI 332-04 Review for Responsibility Statements

In New York, staff was asked to perform a search for “responsibility” or related words in mandatory-language ACI documents. Staff Liaison Tholen performed the search in ACI 332-04 and highlighted responsibility statements in a .pdf file that was posted on the Committee website. The document can be viewed on the committee website by going to the committee member work area. It is located in the document library under draft documents.

Discussion of the responsibility statements in ACI 332-04 was held at the meeting in Kansas City. Mohammad Iqbal questioned whether responsibility for supplying concrete suitable for high sulfate exposure should be assigned. It was pointed out in the meeting that the registered design professional is assigned the responsibility for determining the requirements for mixture proportions when soils with high sulfate contents are encountered (see Section 4.2.5). Further discussion centered on the introduction on page 1 of the document. It was noted that responsibility for establishing health and safety practices and the applicability of all regulatory limitations was assigned to the user of the document. However, the user is not well defined and there was no mention of which health and safety requirements or regulatory limitations were to be considered. Considering that the user may not be an architect or engineer, the Committee felt that further clarification was needed.

The Committee was asked to continue their review and post any items they have concerns with to the web forum for discussion with the intent of bringing these items to the attention

of Committee 332.

Action: The Committee members are asked to continue their review of the responsibility statements in ACI 332-04 and post any items they have concerns with to the web forum for discussion with the intent of bringing these items to the attention of Committee 332. The Committee will discuss these items and determine the need for any suggested revisions.

4.0 NEW BUSINESS

4.1 Review of RMC Research Foundation Report

In January, 2006, the RMC Research Foundation published a report titled “Preparation of a Performance-based Specification for Cast-In-Place Concrete” that was prepared by John Bickley, R. Doug Hooton, and Kenneth C. Hover. Of particular interest to the Committee are Sections 1.10, Prescription and Performance elements in the ACI 318 Building Code; 1.12, Risk and Responsibility; and 4.1.11, Share and transfer of responsibility. The Committee is asked to review the document and will discuss it at the meeting. A link to the document will be posted to the Committee forum.

Action: The Committee will discuss the Report at the meeting.

5.0 NEXT MEETING

The RCCC meeting at the Denver convention will be held on Sunday, November 5, 2006, from 2:00 to 5:00 p.m.

6.0 ADJOURNMENT

Attachments:

- Exhibit 2.0: RCCC roster
- Exhibit 3.4a: Owner Task Group Committee Document Outline
- Exhibit 3.4b: Material Supplier Task Group Committee Document Outline
- Exhibit 3.4c: Specialty Subcontractor Task Group Committee Document Outline
- Exhibit 3.4d: General Contractor Task Group Committee Document Outline

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