



American Concrete Institute®
Advancing concrete knowledge

AGENDA

RESPONSIBILITY IN CONCRETE CONSTRUCTION COMMITTEE

**Cobb Room
Hilton Atlanta
Atlanta, GA
Sunday, April 22, 2007
2:00 p.m. - 5:00 p.m.**

MEMBERS

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

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

Michael L. Tholen, Staff Liaison

1.0 APPROVAL OF MINUTES AND AGENDA

1.1 Approval of Minutes of 2006 Fall Meeting—Denver, CO

The Responsibility in Concrete Construction Committee (RCCC) is asked to approve the minutes of the meeting in Denver, CO, held on November 5, 2006, as distributed.

1.2 Approval of Agenda

RCCC is asked to approve the Atlanta 2007 Agenda.

2.0 MEMBERSHIP

Chair Jon Mullarky will announce any changes to the roster of the RCC Committee and introduce any 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 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

3.2 Future Convention Session

In Charlotte, the Committee chose the topic “Use and Misuse of ACI Documents” for a future convention session. In Denver, the Committee decided to move the session from the Fall 2007 Convention in Puerto Rico to the Spring 2008 Convention in Los Angeles. Topics for speakers suggested during discussion of the session included: confusion between guidance and mandatory language documents; varying interpretations of documents; cases studies; and topics that will be covered in the new responsibility document. The Committee also felt that a panel discussion would be an interesting format to pursue if it would fit the topics submitted by the speakers. Ava Shypula also indicated that she had to step down as the co-moderator. Jim Kretz volunteered to become the new co-moderator and will help obtain speakers and coordinate the session.

Action: Boyd Clark will report on the status of the convention session.

3.3 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."

In Charlotte, Ava Shypula agreed to replace Mike Boyle as the Chair of the Testing/Inspection task group. The outlines for each section were discussed and expanded at the Committee meeting. The expanded outlines are included in *Exhibit 3.3* and were posted to the forum on the Committee website. The task group for the general contractor was asked to improve their definition of the general contractor relative to the subcontractor. The Committee was requested to forward any updates to the document to Staff Liaison Tholen, who will update the document and post the new version to the forum.

In Denver, the outline of the new committee document in *Exhibit 3.3* was discussed. Ava Shypula suggested that it was important that each section clearly define each party's quality control responsibilities.

The current task groups are as follows:

Owner

Jon Mullarky-Chair
Bert Weinberg
Tom Malerk

Design Professional

?-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

Ava Shypula-Chair
Geoff Hichborn
Boyd Clark

Forensic Consultants

Boyd Clark-Chair
Norm Scott
Ken Bondy
Bill Klorman
Geoff Hichborn
Florian Barth

Action: Incoming Committee members will be assigned to a task group.

Action: Each task group will discuss progress on their section of the new committee document at the meeting.

3.4 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. 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.

In Charlotte, the Committee had no new responsibility issues with ACI 318-05, and a motion was passed to report to Committee 318 that the Committees review was complete. Chair Mullarky was chosen to report to Committee 318 that the review of responsibility statements was complete and suggest that they clarify the intent of Section 3.6.1.

In Denver, Chair Mullarky handed out a preliminary letter to Committee 318 shown in (*Exhibit 3.4* in the Denver minutes) for discussion. Minor editorial comments were discussed.

Action: Chair Mullarky will update the Committee on his letter to Committee 318.

3.5 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. 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.

In Charlotte, Staff Liaison Tholen reported that the language regarding safety was in

response to a TAC comment on a shotcrete document that discussed safety issues and that the section was being included in several ACI documents. Chair Mullarky said he would prepare a discussion of the section to take to TAC. Section R4.2.1 was also discussed, and it was decided that the responsibilities of the concrete supplier to supply strength verification are vague. Colin Lobo was asked to prepare a discussion of the section to take to Committee 332.

In Denver, Chair Mullarky handed out a preliminary letter to TAC (*Exhibit 3.5* in the Denver minutes) for discussion. Minor editorial comments were discussed. Chair Mullarky stated that he would incorporate a section from Colin Lobo into the letter and forward it to the Committee for review before sending it on to TAC.

Action: Chair Mullarky will update the Committee on his letter to TAC.

3.6 Additional ACI Documents to Review

In Denver, the Committee reviewed the minutes of the ACI Standards Board from recent conventions to discuss which documents to begin reviewing next. Staff Liaison Tholen was asked to forward the following documents to Committee members who will review the documents for responsibility issues and suggest whether the full Committee review the documents:

Bill Klorman	ACI 350.3-06, "Seismic Design of Liquid-Containing Concrete Structures and Commentary"
	ITG 4.1, "Specification for High-Strength Concrete in Moderate to High Seismic Applications"
	ACI 117-06, "Specifications for Tolerances for Concrete Construction and Materials and Commentary"
Ava Shypula	ITG 4.1, "Specification for High-Strength Concrete in Moderate to High Seismic Applications"
	ACI 216.1-XX, "Code Requirements for Determining Fire Resistance of Concrete and Masonry Construction Assemblies"
	ACI 503.7-XX, "Specification for Crack Repair by Epoxy Injection"
Jon Mullarky	ACI 305-XX, "Specification for Hot Weather Concreting"

Action: Committee members Klorman and Shypula and Chair Mullarky will report on their review of the documents and suggest whether the full committee review the document.

3.7 Discussion of ACI 350-06 Review for Responsibility Statements

In Denver, Staff Liaison Tholen was asked to perform a search for "responsibility" or

related words in ACI 350-06, "Code Requirements for Environmental Engineering Concrete Structures and Commentary." The highlighted document was posted to the document library on the committee web page in the draft documents folder.

Action: The Committee will discuss the responsibility statements in ACI 350-06.

4.0 NEW BUSINESS

4.1 ACI Strategic Plan

Background: The Board at its fall 2006 meeting endorsed the preliminary process for developing a new Strategic Plan for ACI and requested that for the spring 2007 convention, Board committees be asked to include an item on their meeting agenda to discuss revisions to the Plan.

The Strategic Plan as approved by the Board at its spring 2001 meeting is attached to this agenda as *Exhibit 4.1*.

The Committee will discuss the following three questions:

- What should ACI accomplish in the next 1-2 years?
- What should ACI accomplish in the next 3-5 years?
- What barriers exist that would keep ACI from accomplishing the above questions?

As a reminder, ACI's purpose as stated in the Bylaws: *"The purpose of the Institute shall be to further engineering and technical education, scientific investigation and research, and development of standards for design and construction incorporating concrete and related materials. The Institute shall organize the efforts of its members for a nonprofit, public service in gathering, correlating, and disseminating information. ACI shall address design, construction, manufacture, use, and maintenance and restoration of concrete and related materials. These efforts shall promote improved technology, technical competence, design and construction for the benefit of society."*

4.2 ACI Marketing Plan

Background: At the Spring 2006 Convention in Charlotte, NC, members of the Marketing Committee made presentations at many Board Committee meetings requesting feedback on proposed goals to be addressed in a comprehensive, Institute-wide Marketing Plan. Now that a Plan has been drafted, the Marketing Committee is requesting that each Board Committee review the draft of the Plan and provide comment, paying particular attention to items of interest to your Board Committee.

The committee is asked to review the Executive Summary of the Marketing Plan in *Exhibit 4.2* and discuss the following questions. Chair Mullarky will present any issues raised during this discussion at the Pre-Board Planning and Discussion meeting on April 26, 2007:

- Do the proposed strategies support the priorities of your committee's mission, products, and services?
- Are there any additional strategies and tactics that should be considered, particularly in regards to topics within the scope of your committee's mission?

5.0 NEXT MEETING

The RCCC meeting at the Puerto Rico convention will be held on Sunday, October 14, 2007, from 2:00 to 5:00 p.m.

6.0 ADJOURNMENT

Attachments:

- Exhibit 2.0: RCCC roster
- Exhibit 3.3: Expanded Committee Document Outline
- Exhibit 4.1: ACI Strategic Plan
- Exhibit 4.2: Executive Summary of ACI Marketing Plan

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