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ACI Committee 207 – Mass Concrete

Sunday, September 28, 2003, 11:30 a.m. – 2:00 p.m.
Beacon B, Sheraton Boston Hotel and Towers, Boston, MA

AGENDA

- I. Call to Order**
- II. Distribution of Attendance Roster & Round Table Introductions**
- III. Distribution of Agenda & Modifications**
- IV. Approval of Vancouver Meeting Minutes**
- V. Chairman's Report**
- VI. Subcommittee Reports**
 - 1. 207.1R-98 Mass concrete – David Kiefer
 - 2. 207.2R-95 Thermal Cracking – Steve Tatro
 - 3. 207.3R-94 Evaluation of Concrete – Terry Arnold
 - 4. 207.4R-98 Cooling and Insulating – Jeff Allen
 - 5. 207.5R-99 Roller-Compacted Mass Concrete – Tim Dolen
 - 6. 207.6R-xx Reinforced Massive Concrete Structures – Gary Mass
 - 7. 210R-93(R98) Erosion of Concrete in Hydraulic Structures – Tibor Pataky
 - 8. 210.1R-94(R99) Compendium of Case Histories on Repair – Eric Ditchey
- VII. Additional or New Business**
 - 1.
 - 2.
 - 3.
- VIII. Adjourn**

If you are unable to attend the meeting, please notify:

Steve Tatro,
Chairman

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ACI Committee 207 – Mass Concrete

**Minutes of Meeting, March 31, 2003
ACI 2003 Spring Convention, Vancouver, BC**

1. Call to Order

The meeting was held in the Galiano Meeting Room, Fairmont Hotel. The meeting was called to order at 8:30 am by Chairman Steve Tatro. The following committee members were in attendance. At least 5-6 visitors attended the committee meeting.

Randy Bass (v)
Darma Ludirdja
Michael Whisonant

Floyd Best (v)
Tibor Pataky (v)

Tim Dolen (v)
Steve Tatro (v)

(v) voting member

2. General

Members and visitors introduced themselves at the start of the meeting. Copies of the agenda and Phoenix meeting minutes were distributed.

3. Chairman's Report

- Significant number of voting members not able to attend
- ACI encouraging more use of ACI website for committee business
- Membership request by Ed A

4. Subcommittee Reports.

- a. ACI 207.1R-96 (Mass Concrete) – David Kiefer.

No progress of production of paper on “characteristic strength” for publication in Concrete International. Report will be sent to TAC along with completed 207.2R report.

b. ACI 207.2R-00 (Effect of Restraint...Cracking of Mass Concrete) - Steve Tatro.

The balloting for the revisions of this report is complete. Subsequent changes required to the report will require a rebalot. Expect that ballot to be distributed this summer. Thermal information from ACI 207.4R will be relocated and consolidated in this report.

c. ACI 207.3R-94 (Practices for Evaluation....Service Conditions) – Terry Arnold.

TAC has reviewed the report and is recommending that the report be eliminated. They contend that the report significantly overlaps with reports produced by ACI 201 and ACI 228. Terry Arnold performed a brief review of those documents and suggests that the overlap is minor. Several committee members will review the reports and draft a committee response to TAC.

d. ACI 207.4R (R 1998) (Cooling and Insulating Systems...) – Jeff Allen

Jeff Allen reported by email that the revisions to the report and substantially complete. A complete draft should be available by 1 June. Jeff requests the following;

Specifically, if anyone has recent (last 10 years) specific mass conventional concrete cooling data concerning mix or mass cooling methods, effectiveness, mass crack performance, insulating methods or effectiveness, or anything recent having to do with internal cooling – it would greatly help our effort. It could be argued that the current report's examples draw from relatively few projects, and in some instances, perhaps even irrelevant examples.

e. ACI 207.5R-99 (Roller Compacted Concrete) – Tim Dolen.

The 207.5R subcommittee met separately prior to the main committee meeting. Minutes of this subcommittee meeting will be forwarded separately.

f. ACI 207.6R (new) (Reinforced Mass Concrete Structures) – Gary Mass.

Gary provided a updated draft report for committee consideration. The report will be posted on the committee website for easy access. Michael Whisonant and Darma Ludirjda expressed a desire to contribute to that report. They will provide comments directly to Gary. Comments from others should also be forwarded to Gary.

g. ACI 210.R Deterioration of Concrete in Hydraulic Structures – Tibor Pataky

Tibor has begun the process of reviewing the document. He reported that Parts I and II are complete and require little changes.

h. ACI 210.1R Case Histories of Erosion.

No information to report on this document.

5. Old Business

Nothing to report

6. New Business

- a. Washington Convention. We discussed the possibility of hosting a no-papers session in Washington relating to the conference theme of history of concrete. The chairman will check with ACI staff on availability of session times.

7. Adjourn. The meeting adjourned at 0950 hrs.

Please note the two attached tables. Table 1 summarizes the pertinent information for each of our documents. Please note the dates and the primary contributors. Table 2 is a checklist of activities resulting from the committee meeting. This next period will be a very busy period as we wrap up some of our revision activities and hopefully make significant progress on the remaining revisions.

TABLE 1 - STATUS OF ACI COMMITTEE 207 DOCUMENTS (April 03)

Designation	Title	Last Action	Milestones	Subcommittee	Comment
207.1R-96	Mass concrete	Ballot Approval	Draft – 1 Jan 02 Final – 1 Feb 02 Ballot – 1 May 02 TAC – July 03 ACI - Jan 2004	David Kiefer Ernie Schrader	Coordinate removal of thermal items with addition to 207.2R
207.2R-95 (R 1998)	Effect of ... on Thermal Cracking	Initial Ballot	Draft – 1 Jan 02 Final – 1 Feb 02 Reballot – 1 May 03 TAC – July 03 ACI - Jan 2004	Steve Tatro	Minor change to take information deleted from 207.1R and 207.4R and insert into 207.2R. A major revision will follow. The reballot is required because of the late addition of the 207.4R information.
207.3R-94	Evaluation of Concrete	2nd Ballot in October 01 TAC disapproved continuation of report citing overlap with other reports	TAC – May 02 ACI - Fall 02 Letter back to TAC on committee position	Terry Arnold	Arnold and Tatro to draft letter for committee comment and subsequent submittal to TAC.
207.4R-98 (R 1998)	Cooling and Insulating		Draft – Spring 03 Final – Summer 03 Ballot – Summer 03 TAC – Fall 03 ACI - Jan 2004	Jeff Allen Tom Read Gary Wilson Ernie Schrader	Dick Edwards and Tom Read completed review in Spring 02. The report needs a hard look as to what is useful today
207.5R-99	Roller-Compacted Mass Concrete		Draft – Summer 03 Final – Fall 03 Ballot – Spring 04 TAC – July 04 ACI - Jan 05	Tim Dolen Randy Bass Rod Holderbaum Jeff Allen Gary Wilson Eric Ditchey Ernie Schrader	Long-term revision
207.6R-xx	Reinforced Massive Concrete Structures		Draft Final Ballot TAC ACI	Gary Mass Allen Hulshizer Tech Chua David Keifer Darma Ludirdja Barry Fehl Bill Halczak Michael Whisonant	New Document

210R-93 (R 1998)	Erosion of Concrete in Hydraulic Structures		Draft – Fall 03 Final – Spring 04 Ballot – Summer 04 TAC – Fall 04 ACI - Jan 2005	Pataky Kaden Best (confirm)	May become 207.7R during next revision
210.1R-94 (R 1999)	Compendium of Case Histories on Repair.		Draft – Spring 04 Final – Fall 04 Ballot – Winter 04 TAC – Spring 05 ACI - Summer 2005	Ditchey Bass	May become 207.8R during next revision

Legend

Completed Milestones in Red

Current Activities in Bold Green (to be done before Fall 03 Convention)

ACI 207 COMMITTEE

TABLE 2 - May to Oct 03 Task List

Item No	Action	Lead	Deadline	Status 12 April 03	Comment
GENERAL ITEMS					
1	Distribute meeting minutes and information	Chair	12-Apr-03	100%	
2	Resolve membership changes	Chair	May-03	100%	Contact Ed Alsamsam
3	Establish editorial subcommittee	Chair	Jun-03	33%	Potentially John Hess, Glenn Tarbox, other
207.1R REPORT					
4	Submit ACI 207.1R Revision to Tac	Chair	Sep-03	100%	to be submitted with 207.2R to TAC
5	Prepare "characteristic strength" paper for CI	Schrader	??	0%	CI agreed to fast track publication
6	Add "characteristic strength" to ACI 207.1R	Schrader	tbd	-	
7	Ballot 207.1R revision and definition change	Chair	tbd	-	Short period revision to add characteristic str info.
8	Recommend definitions with ACI 116	Chair	tbd	-	Initial contact made with Mark Luther
9	Forward to TAC	Chair	tbd	-	
207.2R REPORT					
10	207.2R changes	Tatro	Jun-03	50%	Add thermal info from 207.4R
11	207.2R rebalot	Chair	Jul-03	-	
12	Submit ACI 207.2R Revision to Tac	Chair	Sep-03	-	
207.3R REPORT					
13	Draft committee response to TAC	Arnold	Jun-03	-	Coordinate with Jim McDonald
14	Distribute for informal committee comment	Arnold	Jul-03	-	
15	Forward to TAC	Chair	Sep-03	-	
207.4R REPORT					
16	Complete draft 207.4R	Allen	Jun-03	75%	
17	Ballot 207.4R revision	Chair	Jul-03	-	
18	Forward to TAC	Chair	Sep-03	-	
207.5R REPORT					
19	Detailed chapter assignments to chapter authors	Dolen	Apr-03		
20	Produce draft 207.5R	Dolen	Sep-03	10%	
21	Distribution of draft document	Dolen	Oct-03	-	
22	Receive and resolve comments	Dolen	Winter 03	-	
23	Second comment period	Dolen	spring 04	-	
24	Ballot 207.5R revision	Chair	Summer 04	-	
207.6R REPORT					
25	Distribute 207.6R preliminary draft	Mass	Apr-03	100%	Tatro to put on committee website
26	Comments and contributions from subcommittee	Mass	Jun-03		Dick Kaden provided comments
27	Prepare 207.6R draft	Mass	tbd	50%	document on 207 website
28	Ballot 207.6 report	Chair	tbd		
207.7R REPORT					
29	Complete 207.7R (210) scoping review	Pataky	tbd	30%	
30	Prepare 207.7R revision	Pataky	tbd	-	
207.8R REPORT					
31	Complete 207.8 (210.1) scoping review	Bass	tbd	-	
32	Provide subcommittee recommendations	Bass	tbd	-	