



ACI-SEI Committee 343 Concrete Bridge Design

Meeting Minutes

**Monday, October 25, 2010
10:00 AM – 1:00 PM
Westin Convention Center
Pittsburgh, PA**

Room: C-401

MEMBERS:

Nur Yazdani
Danielle Kleinhans
Monique Head
Sameh Badie
Jeff Smith
Devin Harris

Juan Sobrino
Michael Brown
Rita Oglesby
Hui Liu
Bruce Kates
Andrew Foden
Anwarul Islam

Rabie Kanso
Riyadh Hindi
Mohamed Mahgoub
W. Gene Corley
Andy Nowak
Hani Nassif
Jack Bryce

VISITORS:

Larry Church
Guillermo Santana

Mo Ehsani
Bob Anderson
Emily Winn

David Singer
Bruce Jones
Manyop Han

1. Call to Order and Attendee Introductions

The meeting was called to order by Chair Yazdani at 10:10am and introductions were made by all in attendance.

2. Approval of Chicago, IL, Committee 343 Spring 2010 Meeting Minutes

Motion by Andy Foden, second by Rita Oglesby – however only 8 voting members present. Minutes approval tabled for now.

3. Membership changes and status, Associate members encouraged to become voting.

Danielle Kleinhans

New Associate Members:
Mohamed Mahgoub
Hui Liu
Bernard A. Frankl
Gregory C. Grant
Timothy Eckert
Jaehong Kim
Dr. Juan A. Sobrino

Resignations:
Douglas Spruill
Adel R. Zaki
Jaroslav Simek
Prasad T. Kudlapur
Joseph C. Keller
Ahmad J. Hassan
Charles A Boltz

Leslie A. Clark
Dr. John P. Newhook

Membership counts:
Voting: 37
Consulting: 8
Associate: 62

4. **Status of Committee 343 Conference Technical Sessions**

Fall 2010 – Pittsburgh, PA (*Theme: Green Concrete in the Steel City*)
“Design of Sustainable Bridges” (Jointly with Committee 130)
Nur Yazdani

For our sponsored session on Sunday, Monique Head served as co-moderator in place of Chair Yazdani. Monique reported that approximately 30 attendees were present at the session and that the presentations were well received.

Spring 2011 – Tampa, FL (*Theme: Concrete – The Strength of Florida*)
“Accelerated Bridge design and construction”
Andrew Foden

Andy Foden reported that he has received 6 abstracts for the session and submitted this information to TAC for final approval. Andy requested that the session be scheduled on Tuesday. Andy also noted that the session is co-sponsored by Committee 345.

Fall 2011 – Cincinnati, OH (*Theme: Bridging Theory and Practice*)
“Bridging Theory and Practice”
Hani Nassif

Hani Nassif was not present at this time during the meeting to provide an update.

Spring 2012 - Dallas, TX (*Theme: The Art of Concrete*)
Sessions TBD

Chair Yazdani opened the floor and requested suggestions for session ideas. Riyadh Hindi would like to organize a session on integral abutment bridges focusing on the design, performance, and evaluation. Riyadh mentioned that this session could be a joint session with Committee 342. Riyadh indicated that some states have had issues with integral abutments and that some good presentations should be available. Mohamed Mahgoub will co-moderate

SEI – AISC Congress, 2011, Las Vegas, NV
No Sessions Scheduled

5. **Sustainability of Concrete – Committee 130 Activities**
Andrea Schokker

A presentation was made by Larry Church on behalf of Committee 130 regarding the activities of the committee and aspects of sustainability.

***Following the presentation the committee received an update from TAC contact, Hani Nassif. Hani reported that ACI will be shifting to 2-hour sessions beginning in 2012. The reorganizing of the 318 code is currently being conducted. It will be organized by elements and will be released as the 2014 version. The EPA may change the classification of fly ash to classify it as a hazardous material. At this point, the committees are asked to wait for direction from ACI staff as to the implications/how we proceed.

6. **Internal Curing of HPC**
Bruce Jones, NE Solite Corporation

A presentation on HPC internal curing was given by Bruce Jones. Additional information was provided in the form of handouts at the end of the meeting.

7. **Enhancing Bridge Performance Workshop Follow-Up: ASCE-SEI TAC on Bridges**
Nur Yazdani

Update from Chair Yazdani – reiterated the availability of funding for activities to respond to the recommendations of the report. Chair Yazdani reminded the committee that the report is posted on the committee website. The form for recommended activities will be sent to the committee following the meeting to encourage response. Members are encouraged to review the report.

8. **Old Business**

- A. 343-F: Sub-committee for ACI 358.1R-03 Progress update
“Analysis and Design of Reinforced and Prestressed-Concrete Guideway Structures”
Bruce Kates

Bruce indicated that progress is being made to update the document. The document had been submitted to TAC prior to Chicago and TAC comments were received in Chicago. The comments were extensive in number; many were editorial with the remainder of the comments distributed to the subcommittee members for assessment. Initial response for most/all is currently drafted and will be reviewed in the subcommittee, which has been meeting regularly by conference call. By the next conference they would like to have subcommittee agreement on all comments. The subcommittee will be reaching out to committee members in areas where assistance is needed.

- B. Sub-committees for ACI 343R-95 Progress update

A short discussion was held regarding the audience for this document. It was agreed that the audience is “the young engineer”. It was reiterated that this document is not intended to replace or repeat the AASHTO code. It is intended to provide guidance and references.

- “Analysis and Design of Reinforced Concrete Bridge Structures”
a. 343-A: Design Riyadh Hindi

Riyadh provided an update on subcommittee activities. Riyadh indicated that they been meeting. There was also a meeting of the subcommittee yesterday for one hour with 17 people in attendance. A comparison of various international codes will be the focus of the chapter. Riyadh indicated that he would have a document for review by the subcommittee by the end of the year. Much of the work is being conducted by a graduate student that Riyadh is advising.

Comment from Sameh Badie about integration of the document. Need for oversight committee to meet to discuss.

Comment from Andy Nowak to consider the EuroCode for comparison as well.

Chair Yazdani and the committee agreed with both comments.

- b. 343-C: Preliminary Evaluation Claudia Pulido

Chair Yazdani reported that this chapter had been balloted previously. The negative vote from Om Dixit was resolved and the chapter is essentially complete.

- c. 343-D: Loads Andrej Nowak

Chair Yazdani reported that this chapter had been balloted previously and is essentially complete.

- d. 343-E: Analysis Sameh Badie

Sameh Badie provided an update on subcommittee activities. Sameh reported that the subcommittee is working to incorporate comments from the ballot earlier this year. Two negative votes were received. The subcommittee asks that the table of contents be posted to the committee website.

e. Material Hanı Nassif

Hani Nassif indicated that he would have a draft in a couple of months, indicating that it would be near the end of the year.

f. General Conditions Barney Frankl

Chair Yazdani reported that Barney has been working on this chapter since Chicago and he will be looking for volunteers. Please contact the Chair or Barney directly if you are interested in assisting.

g. Detailing and Constructability Jim Zhao

Chair Yazdani reported he believes this is an active subcommittee but had no details to report on their activities.

***The concern of document length was reiterated from the Chicago meeting. Chair Yazdani will check with TAC regarding the length of the document. The original document is shorter than some of these subcommittee reports.

C. 343-B: Sub-committee on Bridge Deck Design Progress update
John Newhook

Chair Yazdani reported on this subcommittee. The chair of this subcommittee is now Shri Bhide, who agreed to take over as John Newhook asked to resign from being subcommittee chair as well as the committee. Sameh indicated that there may be a document that exists. There is an outline that was created by John that Shri could start with. The committee encourages Shri to hold a conference call to get started and ask that the details for this call be announced to the full committee.

D. Editorial Sub-committee Om Dixit

Chair Yazdani will inform Om Dixit that a meeting is needed. The first step would be for the 'tables of contents' of the individual chapters to be sent to Om from the subcommittee chairs.

9. New Business

10. Announcements

A. Upcoming Technical Meetings of Interest

| | | | |
|----|--|-------------------|------------------|
| 1. | 7 th International Bridge Engr. Conf. | Dec. 1-3, 2010 | San Antonio, TX |
| 2. | Intl. Concrete Sustainability Conf. | Dec. 13-15, 2010 | Dubai, U.A.E. |
| 3. | TRB Annual Meeting | Jan. 23-27, 2011 | Washington, D.C. |
| 4. | ICRI Spring Convention | March 16-18, 2011 | Houston, TX |
| 5. | SEI Structures Congress | April 14-16, 2011 | Las Vegas, NV |

Additions to the list from the floor:

The next IABMAS conference will be held in 2012 close to Milan/Lake Como.

AASHTO Bridge will be in May 15th - 19th, Norfolk, VA.

11. Next Meeting

Spring 2011 (April 3-7 2011), Tampa, FL

ACI-SEI Committee 343 will request to meet again on Monday morning at 10 AM.

Adjourn

The meeting was adjourned at 12:40pm.