

ACI COMMITTEE 239 C
STRUCTURAL DESIGN OF UHPC
Monday, October 15, 2018 – 10:30 AM(PDT)-12:30 PM(PDT)
RIO All-Suites Hotel, Las Vegas, NV – Room: Conga C (First Level)

Meeting Minutes

1. Welcome, Introductions, Membership, and Attendance

Chair Vic Perry called the meeting to order at 10:30AM (PDT)

The following sub-committee members were in attendance (11): Vic Perry (chair), Rafic El-Helou (secretary), Benjamin Graybeal (239 Chair), Tess Ahlborn, Bradley Foust, Mohamed Moustafa, Matthew Bandelt, Greg Nault, Philip Loh, Siram Asleti, Barzin Mobasher

The following visitors were also in attendance (18):

Alireza Mohebbi (alireza.mohebbi.ctr@dot.gov)
Sri Sritharan (sri@iastate.edu)
Glenda Diaz (glendaediazacost@ufl.edu)
Sherif Ibrahim (shrif.ahmed@econstruct.ae)
Hany Nasr (hany.nasr@econstruct.ae)
Zach Haber (zachary.haber@dot.gov)
Sameh Flashri (sa@econstruct.ae)
François Toutlemonde (francois.toutlemonde@ifsttas.fr)
Alexander Sturan (asturan@ncsu.edu)
Hassan Aoude (haoude@uottawa.ca)
Raid Alrashidi (raidalsaif@ufl.edu)
Aashay Arora (aashay.arora@asu.edu)
Mathew Aguayo (Mathew.j.aguayo@asu.edu)
Nancy Torres (Nancy.torres@escuelaing.edu.co)
Doulet Akyniyaz (akyniyaz@usc.edu)
Caijun Shi
Clay Haito
Jose Patino

2. Approval of Agenda

- Motion – Tess. Second – Mohamed. Approved.

3. Approval of Minutes of Previous Meeting and Conference Calls

- Motion – Tess. Second – Sriram. Approved.

4. Actions arising from previous meeting

None.

5. Update on FHWA initiatives – Ben Graybeal

FHWA is developing design guidance for UHPC structural components in coordination with AASHTO CBS T10. The intent it is for the document to be published as an independent AASHTO Guide Spec. The guide will include material and structural design side of UHPC. FHWA is also in pursuing experimental research and analytical work to develop long span girders (Ultra girder 200 to 300 ft long).

6. Schedule:

- Vic proposed the following schedule for the preparation and publishing of the ETR:

October 15, 2018: ACI Fall Meeting (F2F): Working meeting to review ETR.
November 30, 2018: Issue ETR for review & comments from Sub-Committee
December 20, 2018: Sub-Committee comments to be submitted.
January 31, 2019: Response to sub-committee comments by chapter authors.
February 15, 2019: Ballot ETR at Sub-Committee Level
March 15, 2019: Ballot closed.
March 25, 2019: ACI Spring Meetings - Review and resolve sub-Committee Ballot Comments.
April 15, 2019: Second Ballot to Sub-committee.
May 15, 2019: Ballot closed.
June 15, 2019: Resolution of outstanding negative comments from second ballot.
July 15, 2019: Ballot to Main Committee.
August 15, 2019: Ballot closed.
October 21, 2019: ACI Fall Meetings - Review and resolve Main Committee Ballot Comments.
November 15, 2019: Final Ballot of Main Committee
January 15, 2020: Submit ETR to TAC
March 30, 2020: ACI Spring Meetings - Review and resolve TAC's comments.
June 30, 2020: ETR Ready to Publish.

Vic – The goals of this meeting are (1) Go over a high level review of the ETR section by section to decide on content, and (2) Identify details needed to complete the ETR then Vic will complete the editing by Feb 15, 2019.

Ben – An ETR is an early committee report and should be a short document that speaks generally to the topic. We are at 70 pages and the report is diving too deep into the details and some things needs to be revised and removed to meet the Feb 15 deadline.

Tess – Highlighted that the committee can make the document as a report rather than an ETR. If the committee still wants to produce an ETR then information then the size of the document needs to be reduced.

Barzin – TAC is interested in the document. We could make it a report but it is best to keep the label as ETR. Barzin mentioned that there is no need to cut down information but it is good to edit the write ups we have.

Vic – The intent is to write a guide and this effort is intended to produce a short ETR document that leads to writing a design guide after. It is best if we set a hard deadline, finish the ETR, and submit quickly. Vic summarized the objectives of the ETR to new members joining the sub-committee.

7. ETR Review:

The committee proceeded with the review of the ETR draft with the following objectives (see ETR draft attached for details):

- Agree in principle on content.
- Finalize editing.

It was agreed to remove all appendixes from the document. The comments on the ETR are highlighted in red in the ETR draft attached to these minutes.

8. Next steps & deliverables

- Vic will contact committee members and follow up on their respective sections.
- Vic will complete the ETR editing by Feb 15, 2019 and send it to the members for review in preparation for the next meeting.

9. Coordination with other ACI Committees and organizations with UHPC Committees.

ACI – The committee agrees on the collaborating with ACI 239D, working on the development of a construction methods guide. Greg and Vic are the contact in addition to the 239 chair, Ben. 239D is working on a guide focusing on construction methods.

Vic- CSA has 2 Annexes coming out. One on material methods and one on fiber reinforced concrete and UHPC for bridges. The annexes will be published in 2019 in French and English. They are written in mandatory language but are non-mandatory standards.

10. Other business.

None.

11. Next meeting:

- Conference call:
In 4 weeks, people to submit the data and Vic will schedule a conference call.
- ACI Spring Meetings:
March 25, 2019 – 10:30 am to 12:30 pm, Quebec City Convention Centre, Quebec City, QC