



ACI COMMITTEE 341 MEETING - EARTHQUAKE-RESISTANT CONCRETE BRIDGES

Sunday, April 17, 2016

Hyatt Regency & Wisconsin Center, Milwaukee, WI

MAIN COMMITTEE

341 Earthquake-Resistant Concrete Bridges Sunday 3:00 PM - 5:00 PM C-102 C

SUBCOMMITTEES

341-A Bridges-Columns	Sunday	11:00 AM – 12:30 PM	H-MILWAUKEE ROOM
341-B Pier Walls	Sunday	1:30 PM – 3:00 PM	H-PERE MARQUETTE
341-C Retrofit	Sunday	8:00 AM – 9:30 AM	H-MILWAUKEE ROOM
341-D PBD	Sunday	9:30 AM – 11:00 AM	H-MILWAUKEE ROOM

OTHER BRIDGE COMMITTEES

342 Bridge Evaluation	Sunday	8:30 AM - 10:30 AM	C-102 A
343 Bridge Design	Monday	10:00 AM - 12:00 PM	H-REGENCY B
345 Construction	Sunday	1:30 PM - 3:30 PM	C-101 D

MEETING AGENDA

- 1) Call to order and introduction
- 2) Approval of the meeting agenda
- 3) Review and approval of the Denver meeting minutes
- 4) Membership updates, Committee and subcommittee updates
- 5) Technical Sessions

Spring 2016 - Brewing Concrete

April 17-21, Hyatt & Wisconsin Center, Milwaukee, WI

1.) Concrete Bridges Built with Advanced Materials: Seismic Performance and Design Issues, Part 1 of 2 (Alam, Andrawes?): Monday, April 18, 2016, 11:00 AM - 1:00 PM, C-202 D

2.) Concrete Bridges Built with Advanced Materials: Seismic Performance and Design Issues, Part 2 of 2 (Alam, Andrawes?): Monday, April 18, 2016, 1:30 PM - 3:30 PM, C-202 D

Fall 2016 — Revolutionary Concrete

October 23-27, Marriott Philadelphia, Philadelphia, PA

Preliminary session request: November 13, 2015

Final session request: April 22, 2016

- 1.) Seismic Retrofit and Repair of Bridges (Alam), preliminary request granted

- 2.) Recent Advances in Accelerated Bridge Construction (ABC) for Seismic Zones (Haber), preliminary request declined
- 3.) Tsunami-related design (Sritharan), joint with other bridge committees (will be Fall 2016)

Proposed sessions?

Column document session based on the recent document (from 341 A)

High performance concrete, sensing, geopolymer concrete (Elgawady), cosponsored with material committee.

Spring 2017

March 26-30, Marriott Detroit at Renaissance Center, Detroit, MI

Preliminary session request: April 22, 2016

Final session request: October 28, 2016

Proposed sessions?

Resubmit ABC session (Haber) for Detroit.

Modeling of bridges, performance acceptance through modeling (Abdel-Mohti)

Hollow core columns session can be rebranded to performance of columns.

Sessions to support the Retrofit and PBD subcommittees. Performance-based seismic design example studies could be presented but solicit engagement from broader audience.

Fall 2017

October 15 – 19, Disneyland Hotel, Anaheim, CA

Preliminary session request: October 28, 2016

Final session request: May 1, 2017

Proposed sessions?

Revisit an isolation session (Watson). Maybe include joints and bearings.

High speed rail and light rail (Nadim and Shukre)

Energy dissipation devices for cable-stayed bridges (and potentially other bridge types) (Lara)

Spring 2018

March 25-29, Grand America & Little America, Salt Lake City, UT

Preliminary session request: May 1, 2017

Final session request: October 20, 2017

Proposed sessions?

Revisit an isolation session (Watson). Maybe include joints and bearings.

6) Sub-Committee Reports

- a) Performance Based Seismic Design of Bridge Columns (ElGawady, Gencturk)
- b) Wall Piers (Burgueño, Beyer)
- c) Retrofit and Repair (Alam, Despradel, Andrawes)
- d) Performance Based Seismic Design of Bridges (Silva)
- e) Seismic Analysis and Design of Concrete Bridge Systems (Anderson)
- f) Bearings and Expansion Joints (Watson)
- g) Others

7) Report from other ACI committees

- a) ACI 342 Evaluation of Concrete Bridges and Bridge Elements
 - b) ACI 343 Concrete Bridge Design (Joint ACI-ASCE)
 - c) ACI 345 Concrete Bridge Construction, Maintenance, and Repair
 - d) ACI Committees 352 (Joints and Connections in Monolithic Concrete Structures, Joint ACI-ASCE), 374 (Performance-Based Seismic Design of Concrete Buildings), and 441 (Reinforced Concrete Columns, Joint ACI-ASCE)
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- 8) Future Meetings
 - 9) Update from TAC – Professor Cathy French
 - 10) Other Business