



ACI 341 - EARTHQUAKE-RESISTANT CONCRETE BRIDGES
Sunday, March 29, 2020
 Hyatt Regency O'Hare, Rosemont/Chicago, IL

HIGHLIGHTS

- 1.) Talk by Jerry Shen (Senior Bridge Engineer, FHWA), followed by discussion of stakeholder needs
- 2.) Two sessions in honor of Mark Aschheim (SSI Sunday 8-10 AM, multi-hazard Wednesday 1:30-3:30 PM)

MAIN COMMITTEE

341	Main Committee	Sunday	3:00 PM - 5:00 PM	Midway
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SUBCOMMITTEES

341-A	Columns	Sunday	12:30 PM – 2:00 PM	Narita B
341-C	Retrofit	Sunday	10:00 AM – 11:30 AM	McCarran

OTHER BRIDGE COMMITTEES

342	Bridge Evaluation	Sunday	8:30 AM - 10:30 AM	Malpensa
343	Bridge Design	Monday	10:00 AM - 12:00 PM	Logan
345	Construction	Sunday	1:30 PM - 3:30 PM	Gatwick

MEETING AGENDA

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

Spring 2020 – Concrete in the Windy City

March 29-April 2, Hyatt Regency O'Hare, Rosemont, IL

- Exploiting SSI Effects in Structural Design of Bridges, Sunday March 29 8:00 AM – 10:00 AM, Grand H, Moderators Pantazopoulou and Mackie. Session dedicated to memory of Mark Aschheim
- Multi-Hazard Assessment of Reinforced Concrete Structures, Wednesday April 1 1:30 PM – 3:30 PM, Grand G, Moderators Gencturk and Gardoni. Joint session with MAE dedicated to memory of Mark Aschheim

Fall 2020 – Theme TBD

October 25-29, Raleigh Convention Center & Raleigh Marriott, Raleigh, NC

- Preliminary session request: October 25, 2019
- Final session request: April 3, 2020
- Proposed sessions
 - ABC mini-session (for ACI 341 main) more broadly (not just columns) to incorporate other bridge precast/prefabricated solutions for seismic-resistant

- design (Tazarv)
- New and novel bridge systems (not just columns) for seismic regions, should investigate prestress applications, post-tensioning and pier enlargement

Spring 2021 – Theme TBD

March 28-April 1, Hilton & Marriott Baltimore, Baltimore, MD

- Preliminary session request: April 3, 2020
- Final session request: October 30, 2020
- Proposed sessions
 - Showcase of new global seismic bridge projects recently constructed
 - Mini-session to support subcommittee activities (could be combination of retrofit, column, and PBD efforts)
 - New ideas?

Fall 2021 – Theme TBD

October 17-21, Hilton Atlanta Downtown, Atlanta, GA

- Preliminary session request: October 30, 2020
- Final session request: April 2, 2021
- Proposed sessions
 - High speed rail and light rail (perhaps joint session with UTC on railways)
 - New ideas?

Non-ACI Technical Sessions

- 17th WCEE joint with EAEE WG 11 “Response modification technique for concrete bridges” (Mackie, Kappos)
- Joint with ASCE Seismic Effects (2020 Structures Congress is in St Louis)
- Other conferences?

6) Sub-Committee Reports

- a) Performance Based Seismic Design of Bridge Columns (ElGawady, Gencturk)
- b) Wall Piers (Burgueño, Beyer)
- c) Retrofit and Repair (Alam)
- d) Performance Based Seismic Design of Bridges (Moustafa)
- e) Bearings and Expansion Joints (Watson)

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)

8) Update from TAC – Robert Frosch

9) Future Meetings

- 10) Other Business
- 11) Presentation and round table discussion starting at 4:15pm:
 - Jia-Dzwan (Jerry) Shen
 - Senior Bridge Engineer—Seismic Specialist
 - FHWA Office of Bridges and Structures