

**ACI COMMITTEE 341 MEETING**  
**EARTHQUAKE-RESISTANT CONCRETE BRIDGES**  
**Sunday, November 8, 2015**  
 Denver Sheraton Downtown, Denver, CO



**MAIN COMMITTEE**

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

**SUBCOMMITTEES**

341-A Bridges-Columns	Sunday	9:30 AM - 11:00 AM	VAIL
341-B Pier Walls	Sunday	11:00 AM - 12:30 PM	VAIL
341-C Retrofit	Sunday	1:30 PM - 3:00 PM	VAIL
341-D Performance-Based Design	Sunday	8:00 AM - 9:30 PM	VAIL

**OTHER BRIDGE COMMITTEES**

342 Bridge Evaluation	Sunday	8:30 AM - 10:00 AM	TERRACE
343 Bridge Design	Monday	10:00 AM - 12:00 PM	PLAZA BALLRM D
345 Construction	Sunday	1:30 PM - 3:30 PM	SPRUCE

**MEETING AGENDA**

- 1) Call to order and introduction
- 2) Approval of the meeting agenda
- 3) Review and approval of the Kansas City meeting minutes
- 4) Membership updates (including committee balance), Committee and subcommittee updates
- 5) Technical Sessions

**Fall 2015 — Constructability**

November 8-12, Sheraton, Denver, CO

- 1.) ABC Connections for Seismic-Resistant Design (Kowalsky)  
Monday Nov. 9, 8:30 AM – 10:30 AM, GOVERNOR'S SQUARE 14
- 2.) Seismic Design of Segmental and Innovative Bridges (ElGawady)  
Tuesday, Nov. 10, 11:00 AM – 12:30 PM, GOVERNOR'S SQUARE 14

**Spring 2016**

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?)
- 2.) Concrete Bridges Built with Advanced Materials: Seismic Performance and Design Issues, Part 2 of 2 (Alam, Andrawes?)

## **Fall 2016 — Revolutionary Concrete**

October 23-27, Marriott Philadelphia, Philadelphia, PA

Preliminary session request: November 13, 2015

Final session request: April 22, 2016

Proposed sessions?

ABC technologies for seismic regions (Haber)

Tsunami-related design (Sritharan, Andrawes), joint with other bridge committees

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

High performance concrete, sensing, geopolymer concrete (Elgawady). Perhaps consider another committee cosponsoring this session.

## **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?

Hollow core columns session? May be included in the column session already (listed under Milwaukee).

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: April 22, 2016

Final session request: October 28, 2016

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)

### 8) Future Meetings

- 9) Update from TAC – Professor Cathy French
- 10) Other Business

**PRESENTATIONS**

Assistant Professor Mohamed Moustafa  
University of Nevada Reno

*“Seismic Response of Bent Caps in As-built and Retrofitted Reinforced Concrete Box-Girder Bridges”*