



ACI COMMITTEE 341 MEETING EARTHQUAKE-RESISTANT CONCRETE BRIDGES

Sunday, October 20, 2013

Hyatt Regency & Phoenix Convention Center, Phoenix, AZ

MAIN COMMITTEE

341 Earthquake-Resistant Concrete Bridges Sun 3pm to 5pm C-105 A

SUBCOMMITTEES

341-A Columns Sun 8:00am to 9:30am C-105 A

341-B Pier Walls Sun 1:00pm to 3:00pm C-105 A

341-C Retrofit Sun 11:00am to 12:30pm C-105 A

341-D Performance-Based Seismic Design Sun 9:30am to 11:00am C-105 A

OTHER BRIDGE COMMITTEES

342 Bridge Evaluation Sun 8:30am to 10:00am H-PHOENIX EAST

343 Bridge Design Mon 10:00am to 12:00pm C-106 A

345 Bridge Construction Sun 1:30pm to 3:30pm C-106 B

ACI 341 TECHNICAL SESSIONS

Mon, Oct 21, 2013 *Recent Advances on Soil-Foundation-Structure* C-212 B
4:00 PM-6:00 PM *Interaction in Seismic Bridge Design*

Tues, Oct. 22, 2013 *Sustainable Solutions for Seismic Repair of Bridges* C-212 B
11:00 AM-1:00 PM

- 1) Call to order and introduction
- 2) Approval of the meeting agenda
- 3) Review and approval of the Dallas meeting minutes
- 4) Committee and Subcommittee Updates & Membership
- 5) Technical Sessions
 - a) **Spring 2014 - Built to Last**
March 23-27, Grand Sierra Resort, Reno, NV
Two topics were identified: (1) Accelerated bridge construction in seismic regions including participation from CALTRANS and WashDOT – Sritharan and Saiidi to lead; and (2) use of seismic isolation in bridges (including upgrading of bridges with seismic isolation). Ron Watson and Bora Gereturk will organize the second session on seismic isolation.
 - b) **Fall 2014 — Spanning the Globe**
October 26-30, Hilton Washington

Washington, DC

Suggested topics: "Long Bridges to Span the Globe"; "Integrity of Seismically Retrofitted Bridges" (Hindi); "Management of Assets in the Context of Seismic Risk" (Anderson?) – Potential speakers could include a lot of DOTs, FHWA; and Hindi would give one talk.

c) **Spring 2015 — Fountains of Concrete Knowledge**

April 12-15, Marriott & Kansas City Convention Center
Kansas City, MO

Possible topics: "State of the Art on Seismic Design of Bridges," or an analysis topic jointly with 447 (Potential volunteers include Silva and Mackie).

d) **Fall 2015 — XXX**

November 8-12, Sheraton
Denver, CO

e) **Spring 2016 — XXX**

April 17-21, Hyatt & Frontier Airlines Center
Milwaukee, WI

6) Sub-Committee Reports

- a) Performance Based Seismic Design of Bridge Columns (Aschheim, Rodriguez)
- b) Wall Piers (Burgueño)
- c) Retrofit and Repair (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 - Michael Sprinkel

10) Other Business

11) Presentation

"Seismic Response of Swiss Bridge Piers Constructed in the 60s" by Prof. Katrin Beyer, Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland.