



**ACI COMMITTEE 341 MEETING
EARTHQUAKE-RESISTANT CONCRETE BRIDGES**

Sunday, April 14, 2013

Hilton & Minneapolis Convention Center, Minneapolis, MN

MAIN COMMITTEE

341 Earthquake-Resistant Concrete Bridges Sun 3pm to 5pm C-101 H

SUBCOMMITTEES

341-A Columns Sun 1:30pm to 3:00pm C-101 H

341-B Pier Walls Sun 11:00am to 12:30pm C-101 H

341-C Retrofit Sun 9:30am to 11:00am C-101 H

341-D Performance-Based Seismic Design Sun 8:00am to 9:30am C-101 H

OTHER BRIDGE COMMITTEES

342 Bridge Evaluation Sun 8:30am to 10:00am C-101 I

343 Bridge Design Mon 10:00am to 12:00pm C-101 J

345 Bridge Construction Sun 1:30pm to 3:30pm C-200 H

ACI 341 TECHNICAL SESSION

None

- 1) Call to order and introduction
- 2) Approval of the meeting agenda
- 3) Review and approval of the Toronto meeting minutes
- 4) Committee and Subcommittee Updates & Membership
- 5) Technical Sessions
 - a) **Spring 2013 – Responsibility in Concrete**
April 14-17, Hilton & Convention Center, Minneapolis, MN
 - i) Wehbe and Abdel-Mohti will submit a preliminary session request on the performance of concrete bridges in recent earthquakes (New Zealand, Japan, and Chile) - cancelled
 - b) **Fall 2013 – Innovation in Conservation**
October 20-24, Hyatt Regency & Phoenix Convention Center, Phoenix, AZ
Possible topics: strain rate and load history effects and retrofit. Despradel and Kowalsky will lead the development of a session on retrofit and repair. In addition, Sritharan and Wehbe will develop a session on soil-structure interaction - delayed

c) **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 will organize the second session.

d) **Fall 2014 — Spanning the Globe**

October 26-30, Hilton Washington

Washington, DC

No topics have been selected.

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

April 12-15, Marriott & Kansas City Convention Center

Kansas City, MO

6) Sub-Committee Reports

- a) Performance Based Seismic Design of Bridge Columns (Aschheim, Rodriguez)
- b) Wall Piers (Abo-Shadi)
- c) Retrofit and Repair (Despradel)
- 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 Girder to Bent Cap Connections for ABC" by Robert Peggar, Civil, Environmental and Construction Engineering, Iowa State University, Ames, IA.