



# ACI-SEI Committee 343 Concrete Bridge Design

## Agenda

**Monday, March 26, 2018  
10:00 am – 12:00 noon**

**Little America Hotel  
Salt Lake City, UT  
Meeting Room: LA-Olympus**

1. **Call to Order and Attendee Introductions**
2. **Committee 343 Fall 2017 (Anaheim) Meeting Minutes** [approved by web ballot, available online]
3. **Membership changes and status**
4. **Status of Committee 343 Conference Technical Sessions and Special Publications**

### Spring 2018 – Salt Lake City, UT (Theme: Concrete Elevated)

- *Rating Methods for Defining Performance of Existing Concrete Bridges* (Moderated by Khatereh Vaghefi & Nestor Rubiano; joint session with 342, 341 and 345)  
Sunday – 8:30am-9:30am – Mini Session, GA-Imperial Ballroom D  
Monday – 4:00pm-6:00pm – GA-Riviera
- *Advances in Concrete Bridges: Design, Construction, and Rehabilitation* (Moderated by Jimmy Kim; joint session with 342 and 345)  
Monday – 4:00pm-6:00pm – Part 1 of 2, GA-Milano  
Tuesday – 8:30am-10:30am – Part 2 of 2, GA-Milano
- *UHPC – Innovations in Bridge Design* (Moderated by Kay Wille; joint session with 239 and 544)  
Wednesday – 8:30am-10:30am – Part 1 of 2, GA-Milano  
Wednesday – 11:00am-1:00pm – Part 2 of 2, GA-Milano

### Fall 2018 – Las Vegas, NV (Theme: Dream Big, Build Bigger) (mini session requests due March 30, 2018)

- *The Dennis Mertz Symposium on Design and Evaluation of Concrete Bridges* 3 sessions requests; will include and SP. (Hani Nassif, Andy Nowak; joint session with 342, 345 and 348).
- *Advanced Analysis and Testing Methods for Concrete Bridge Evaluation and Design* 2 sessions requested; will include an SP. (Ben Dymond, Riyadh Hindi)
- *?? Bridge Loads, Load Effects, & Weigh-in-Motion Measurements* (mini-session, Rita Oglesby, Andy Nowak; joint session with 342 and 343)

### Spring 2019 – Quebec City, Canada (preliminary requests are due **March 30, 2018**)

- *?? Innovations in Reinforced Concrete Bridge Deck Design* (Hani Nassif)

Fall 2019 – Cincinnati, OH (preliminary requests are due **October 19, 2018**)

*None currently planned.*

### Future Sessions

Open floor - new sessions, mini-sessions (1 hour, request due 6 months ahead), workshops

- ?? *Structural Health Monitoring for Bridges*
- ?? *Use of Bridge Information Modeling*

## 5. **Old Business**

### Document revisions

A. ACI 343R-95 “Analysis and Design of Reinforced Concrete Bridge Structures”

#### Chapters Completed!

- |      |                                  |              |
|------|----------------------------------|--------------|
| i.   | 343-C: Preliminary Design (Ch 2) | Nur Yazdani  |
| ii.  | Materials (Ch 3)                 | Hani Nassif  |
| iii. | 343-D: Loads (Ch 4)              | Andrej Nowak |
| iv.  | 343-E: Analysis (Ch 5)           | Sameh Badie  |
| v.   | Bridge Deck Design (Ch 8)        |              |

#### Balloted Since Fall

- |    |                      |               |
|----|----------------------|---------------|
| i. | 343-A: Design (Ch 6) | Ahmed Ibrahim |
|----|----------------------|---------------|

#### Chapters Remaining

- |     |                                       |   |
|-----|---------------------------------------|---|
| ii. | Detailing and Constructability (Ch 7) | <del>Danielle Klein</del> Michael Brown |
|-----|---------------------------------------|---|

B. 343.XR "Report on Bridge Deck Design for Girder Bridges" (Brown)

C. 343.1R-12 " Guide for the Analysis and Design of Reinforced and Prestressed Concrete Guideway Structures" - Intent is to submit for re-approval as-is; Discuss potential updates (Hovell)

### Other topics of committee interest

- |    |                             |                  |
|----|-----------------------------|------------------|
| D. | ABC in Bridge Design        | Jimmy Kim        |
| E. | Bridge Information Modeling | Catherine Hovell |

## 6. **New Business**

Open floor

## 7. **Announcements**

### Upcoming Technical Meetings of Interest

- |    |   |                     |                     |
|----|---|---------------------|---------------------|
| 1. | ACI Spring Convention                   | March 25-29, 2018   | Salt Lake City, UT  |
| 2. | ASCE Structures Congress                | April 19-21, 2018   | Fort Worth, TX      |
| 3. | International Bridge Conference         | June 11-14, 2018    | National Harbor, MD |
| 4. | AASHTO Bridge                           | June 25-28, 2018    | Burlington, VT      |
| 5. | PCI Committee Days                      | October 10-13, 2018 | Rosemont, IL        |
| 6. | ACI Fall Convention                     | October 14-18, 2018 | Las Vegas, NV       |
| 7. | ASBI Annual Convention                  | November 5-7, 2018  | Rosemont, IL        |
| 8. | Bridge Engineering Institute Conference | July 22-25, 2019    | Honolulu, HI        |

## 8. **Next Meeting**

Fall 2018 (October 14-18), Las Vegas, NV

ACI-SEI Committee 343 will request to meet again on Monday morning at 10 AM.

**Adjourn**