



# ACI-SEI Committee 343 Concrete Bridge Design

## Agenda

**Monday, October 15, 2018  
10:00 am – 12:00 noon**

**Rio All-Suites Hotel  
Las Vegas, NV  
Meeting Room: Amazon M**

### Mini-Session (10:00 – 11:00)

*Service Limit State in Bridge Design, in memory of Dr. Dennis Mertz*

Part 3 of 4: Monday, Oct 15 10:00-11:00 Amazon M

Moderators Hani Nassif and Andy Nowak

### Business Meeting (11:00-12:00)

1. **Call to Order and Attendee Introductions**
2. **Committee 343 Spring 2018 (Salt Lake City) Meeting Minutes** [approved by web ballot, available online]
3. **Membership changes and status**
4. **Status of Committee 343 Conference Technical Sessions and Special Publications**

Fall 2018 – Las Vegas, NV (Theme: Dream Big, Build Bigger)

*Service Limit State in Bridge Design, in memory of Dr. Dennis Mertz* (Hani Nassif, Andy Nowak)

Part 1 of 4: Sunday, Oct 14 10:30-12:30 Amazon Q-R

Part 2 of 4: Sunday, Oct 14 1:00-3:00 Amazon Q-R

Part 3 of 4: Monday, Oct 15 10:00-11:00 Amazon M

Part 4 of 4: Monday, Oct 15 2:00-3:00 Amazon O

Spring 2019 – Quebec City, Canada (mini session requests are due **October 19, 2018**)

*Advanced Analysis and Testing Methods for Concrete Bridge Evaluation and Design* (2-part session)  
(Ben Dymond)

?? *Bridge Loads, Load Effects, & Weigh-in-Motion Measurements* (mini-session, Rita Oglesby, Andy Nowak; joint session with 342 and 343)

?? *Effect of Transverse Systems on the Behavior of Bridge Superstructures* (Riyadh Hindi, Ben Dymond) – mini-session or defer

?? *Innovations in Reinforced Concrete Bridge Deck Design* (Hani Nassif) – mini-session or defer

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

*Fire Design, Performance, Mitigation, and Strengthening for Concrete Bridges* (Nur Yazdani)

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

*Use of Bridge Information Modeling and Parametric Modeling* (Catherine Hovell) (with ACI 131/FHWA?)

Spring 2020 – Chicago, IL

*Extreme Event Loading* (Michael Vella, University of Toledo)

*Novel Methods for Strengthening of Bridges* (Amirpasha Peyvandi)

*Structural Health Monitoring for Bridges* (Michael Brown, ACI 444/342?)

Future Sessions

Open floor for new session topics. Possible mini-sessions (1 hour in length, request due 6 months ahead)? Workshops?

## 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)        | Yasser Khodair |

Chapters Remaining

- |     |   |                    |
|-----|---|--------------------|
| i.  | 343-A: Design (Ch 6)                        | Ahmed Ibrahim      |
|     | Ballot posted Oct. 3; closed Oct. 14        |                    |
|     | Results to be discussed                     |                    |
| ii. | Detailing and Constructability (Ch 7)       | Danielle Kleinhans |
|     | Chapter 7 revised based on previous ballot; |                    |
|     | issued for ballot just before or just after |                    |
|     | Fall 2018 convention                        |                    |

B. 343.1R-12 Guideways Document  
Intent is to submit for re-approval as-is  
Discuss potential updates

C. ABC in Bridge Design Jimmy Kim

Other topics of committee interest

D. ASCE/SEI involvement – Structures Congress activities

6. **New Business**

Open floor

7. **Announcements**

Upcoming Technical Meetings of Interest

1.	ACI Fall Convention	October 14-18, 2018	Las Vegas, NV
2.	ASBI Annual Convention	November 5-7, 2018	Rosemont, IL
3.	Bridge Engineering Institute Conference	July 22-25, 2019	Honolulu, HI
4.	TRB Annual Meeting	January 13-17, 2019	Washington, DC
5.	World of Concrete	January 22-25, 2019	Las Vegas, NV
6.	PCI Convention	Feb. 26-Mar. 2, 2019	Louisville, KY
7.	ACI Spring Convention	March 24-28, 2019	Quebec City, Canada
8.	ASCE Structures Congress	April 24-27, 2019	Orlando, FL

8. **Next Meeting**

Spring 2019 (March 24-28), Quebec City, Canada

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

**Adjourn**