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

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**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?)

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

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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

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**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
   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**