



MEETING AGENDA

342 - Evaluation of Concrete Bridges and Bridge Elements ACI Spring Convention 2018 Meeting Schedule: Sunday March 25, 2018 (8:30 AM-10:30 am) GA-Imperial Ballroom D (Salt Lake City, UT)

Mission: Develop and report information on evaluation of concrete bridges and bridge elements.

Goals: The committee seeks to provide guidance related to existing concrete bridges for professionals in the areas of bridge evaluation, inspection, and testing. With this charge, the committee aims to advance the state of the art of concrete bridge and bridge element evaluation through: 1) developing technical sessions; 2) developing Special Publications; and 3) disseminating committee expertise through technical document development.

Committee Members

VOTING MEMBERS

Devin Harris – University of Virginia (Chair)
Nestor Rubiano – HNTB Corporation (Secretary)
Om Dixit - Dixit Consultants LLC
Andrew Foden Parsons Brinckerhoff
Andre Garner - Garner Consulting Group
Brock Hedegaard, University of Wisconsin
Riyadh Hindi – St. Louis University
Jimmy Kim – University of Colorado Denver
Mohamed Mahgoub - New Jersey Institute of Technology

Bruno Massicotte - Ecole Polytechnique
Montreal
John Myers - Missouri S&T
Rita Oglesby
Larry Olson - Olson Engineering Inc.
Johan Silfwerbrand - KTH Royal Institute of Technology
Jeffrey Smith – University of Kentucky
Mark Williams - Walter P Moore

1. Mini Session [60 min]
 - 1.1. Moderators: Khatereh Vaghefi, Nestor R Rubiano
 - 1.2. Speakers: Khatereh Vaghefi, Michael Lenett, and Eli Hernandez
2. Administrative [5 min]
 - 2.1. Introductions
 - 2.2. Announcements
 - 2.3. Intervening actions since last meeting.
3. Strategic Planning and Discussion [10 min]
 - 3.1. Membership
 - 3.2. Other committee/organization activities
4. Documents Under Development [20 min]
 - 4.1. **342.YR: Concrete Bridge Condition Assessment and Performance Monitoring**
5. Invited Speaker Presentation - *none*
 - 5.1. Proposed speaker for Fall Convention (Reno, NV)
6. New Business [15 min]
 - 6.1. Sessions and SP focus topics for future conventions



- Proposed Sessions
 - Las Vegas, NV - Fall 2018
 - Advanced Analysis and Testing Methods for Concrete Bridge Evaluation (Bruno Massicotte and Ben Dymond) – Las Vegas, NV (Bruno Massicotte and Ben Dymond) – Las Vegas, NV (**not approved**)
 - Quebec City, QC - Spring 2019
 - Innovative Techniques for Monitoring and Evaluating Concrete Bridges and Bridge Elements (submitted – 2 sessions proposed)
 - Cincinnati, OH- Fall 2019
 - *Topics?*
 - Potential Session Topics
 - ***Forensic Analysis of Concrete Bridges***
 - ***Post Construction Evaluation of Concrete Bridges***
 - *Analysis of Existing Concrete Bridges (above)*
 - *Data Analytics for Concrete Bridge Evaluation*
 - *SHM of Concrete Bridges*
 - *Innovative techniques for evaluating concrete bridges/elements* ✓
 - *Load Rating of Concrete Bridges* ✓
 - *Non-destructive and Destructive Evaluation of Concrete Bridges* ✓
 - *Field Testing of Concrete Bridges (Diagnostic, Proof)* ✓
7. Relevant Sessions for Current Convention [4 min]
- Hot Topic Session: Accelerated Bridge Construction - **Sun, March 25, 2018 8:00 PM - 10:00 PM, GA-Audubon**
 - Rating Methods for Defining Performance of Existing Concrete Bridges - **Mon, March 26, 2018 4:00 PM - 6:00 PM, GA-Riviera**
 - Seismic Repair and Retrofit of Concrete Bridges - **Sun, March 25, 2018 3:30 PM - 5:30 PM, GA-Audubon**
 - Accelerated Bridge Construction (ABC)—Component and System Behavior - **Mon, March 26, 2018 11:00 AM - 1:00 PM, GA-Milano**
 - Advances in Concrete Bridges: Design, Construction, Evaluation, and Rehabilitation, Part 1 of 2 - **Mon, March 26, 2018 4:00 PM - 6:00 PM, GA-Milano**
 - Advances in Concrete Bridges: Design, Construction, Evaluation, and Rehabilitation, Part 2 of 2 - **Tue, March 27, 2018 8:30 AM - 10:30 AM, GA-Milano**
 - Analysis and Interpretation of Structural Health Monitoring (SHM) Data: Big Data Management and Field Studies - **Tue, March 27, 2018 11:00 AM - 1:00 PM, GA-Riviera**
8. Upcoming Sessions at Future Conventions [5 min]
9. Other Announcements [1 min]
- *Bridge Engineering Institute Conference 2019 (BEI-2019) - July 22 to 25, 2019 - Honolulu, Hawaii, USA (www.beibridge.org) - Jimmy Kim*
 - *Call for abstracts for an article collection on load testing for Frontiers in the Built Environment – Eva Lantsoght*
10. Adjournment
- The next meeting(s) will be on October 21st, 2018 (8:30-10:30am) – tentatively