



MEETING AGENDA

342 - Evaluation of Concrete Bridges and Bridge Elements ACI Spring Convention 2019 Meeting Schedule: Sunday March 24, 2019 (8:30 AM-10:30 am) Québec City Convention Centre C-2102 AB (Quebec City, QC)

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)	Mohamed Mahgoub - New Jersey Institute of Technology
Nestor Rubiano – HNTB Corporation (Secretary)	Bruno Massicotte - Ecole Polytechnique Montreal
Om Dixit - Dixit Consultants LLC	John Myers - Missouri S&T
Ben Dymond – University of Minnesota Duluth	Rita Oglesby
Mohamed ElBatanouny - Wiss, Janney, Elstner Associates, Inc	Pinar Okumus – University of Buffalo
Andrew Foden Parsons Brinckerhoff	Larry Olson - Olson Engineering Inc.
Andre Garner - Garner Consulting Group	Johan Silfwerbrand - KTH Royal Institute of Technology
Brock Hedegaard, University of Wisconsin	Jeffrey Smith – University of Kentucky
Riyadh Hindi – St. Louis University	Mark Williams - Walter P Moore
Jimmy Kim – University of Colorado Denver	
Eva Lantsoght - Universidad San Francisco de Quito	

1. Administrative [5 min]
 - 1.1. Introductions
 - 1.1.1. New Associate Members (Ali Abu Yousef, Mohammad Salehi Najafabadi, Abhijit Kulkarni)
 - 1.2. Announcements
 - 1.3. Intervening actions since last meeting.
 - 1.3.1. Approval of Fall 2019 Meeting minutes ✓
2. Strategic Planning and Discussion [10 min]
 - 2.1. Membership
 - 2.1.1. New member recommendations
 - 2.2. Other committee/organization activities
3. Documents Under Development [20 min]
 - 3.1. 342.YR: Concrete Bridge Condition Assessment and Performance Monitoring
4. Invited Speaker Presentation - none



- 4.1. Proposed speaker for Fall Convention (Cincinnati, OH)
5. New Business [15 min]
- 5.1. Sessions and SP focus topics for future conventions
- Proposed Sessions
 - Quebec City, QC - Spring 2019
 - Advanced Analysis and Testing Methods for Concrete Bridge Evaluation (Bruno Massicotte and Ben Dymond submitted – 2 sessions) ✓
 - Innovative Techniques for Monitoring and Evaluating Concrete Bridges and Bridge Elements (John Myers submitted – 2 sessions) ✓
 - Cincinnati, OH- Fall 2019
 - *QA Evaluation of Concrete Bridges for Durability (Larry Olson and Mohamed ElBatenouny)*
 - Chicago/Rosemont – Spring 2020
 - *Data Analytics for Concrete Bridge Evaluation (Jimmy Kim?)*
 - *SHM of Concrete Bridges*
 - Potential Session Topics
 - ***Drones in bridge evaluation and condition assessment***
 - ***Forensic Analysis and Evaluation of Concrete Bridges***
 - ***Post Construction Evaluation of Concrete Bridges***
 - *Performance Design of Concrete Bridges – maybe related to performance specifications – Chris Barnes*
 - *Post-tensioning*
 - *Signature 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)* ✓
6. Relevant Sessions for Current Convention [4 min]
- Innovative Techniques for Monitoring and Evaluating Concrete Bridges and Bridge Elements, Part 1 of 2 - **Sun, March 24, 2019 10:30 AM - 12:30 PM** C-301B
 - Innovative Techniques for Monitoring and Evaluating Concrete Bridges and Bridge Elements, Part 2 of 2 - **Sun, March 24, 2019 1:00 PM - 3:00 PM** C-301B
 - Advanced Analysis and Testing Methods for Concrete Bridge Evaluation and Design, Part 1 of 2 - **Tue, March 26, 2019 8:30 AM - 10:30 AM** C-303A
 - Advanced Analysis and Testing Methods for Concrete Bridge Evaluation and Design, Part 2 of 2 - **Tue, March 26, 2019 11:00 AM - 1:00 PM** C-303A
 - Visual Condition Survey of Concrete and Case Studies, Part 1 of 2 - **Sun, March 24, 2019 1:00 PM - 3:00 PM** C-303A
 - Visual Condition Survey of Concrete and Case Studies, Part 2 of 2 - **Sun, March 24, 2019 3:30 PM - 5:30 PM** C-303A



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7. Upcoming Sessions at Future Conventions [5 min]
8. Other Announcements [1 min]
 - *Annual International DIC Society Conference October 14 –17, 2019 in Portland, OR* (www.idics.org) – Devin Harris
 - *IABMAS 2020 June 28 – Jul 2, 2020 in Sapporo, Japan* (<https://www.iabmas2020.org>) – Eva Lantsoght
 - Special Session SS18 - Monitoring techniques and their interpretation for the integrity assessment of bridges
 - Others?
9. Adjournment
 - The next meeting(s) will be on October 20th, 2019 (8:30-10:30am) – tentatively