



MEETING AGENDA

342 - Evaluation of Concrete Bridges and Bridge Elements ACI Fall Convention 2017

**Meeting Schedule: Sunday October 15, 2017 (8:30 AM-10:30 am)
D-Monorail C (Anaheim, CA)**

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, Nestor Rubiano, Om Dixit, Andrew Foden, Andre Garner, Brock Hedegaard, Riyadh Hindi, Jimmy Kim, Mohamed Mahgoub, Bruno Massicotte, John Myers, Rita Oglesby, Larry Olson, Johan Silfwerbrand, Jeffrey Smith, Mark Williams

1. Administrative [5 min]
 - 1.1. Introductions
 - 1.2. Announcements
 - 1.3. Intervening actions since last meeting.
2. Strategic Planning and Discussion [10 min]
 - 2.1. Membership
 - 2.2. Other committee/organization activities
3. Documents Under Development [30 min]
 - 3.1. **342.YR: Concrete Bridge Condition Assessment and Performance Monitoring**
4. Invited Speaker Presentation - *none*
 - 4.1. Proposed speaker for Spring Convention (Salt Lake City, UT)
5. New Business [15 min]
 - 5.1. Sessions and SP focus topics for future conventions
 - Proposed Sessions
 - Salt Lake City - Spring 2018
 - Rating Methods for Defining Performance of Existing Concrete Bridges (Khatereh Vaghefi and Nestor Rubiano) – Salt Lake City, UT
 - Las Vegas, NV - Fall 2018
 - Advanced Analysis and Testing Methods for Concrete Bridge Evaluation (Bruno Massicotte and Ben Dymond) – Las Vegas, NV
 - Quebec City, QC - Spring 2019
 - Topics ?



- Potential Session Topics
 - *Analysis of Existing Concrete Bridges* ✓
 - *Data Analytics for Concrete Bridge Evaluation*
 - *SHM of Concrete Bridges*
 - *Innovative techniques for evaluating concrete bridges/elements*
 - *Roll out of LDF Report*
 - *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 [5 min]
 - Evaluation of Concrete Bridge Behavior Through Load Testing - International Perspectives, Part 1 of 2 - **Wed. October 18 - 8:30 AM - 10:30 AM, D-Disneyland North B.**
 - Evaluation of Concrete Bridge Behavior Through Load Testing - International Perspectives, Part 2 of 2 - **Wed. October 18 - 11:00 AM - 1:00 PM, D-Disneyland North B.**
 - FRPRCS B1 – Strengthening of Concrete Structures Using FRP Systems - **Sat, October 14, 2017 8:00 AM - 10:00 AM, D-Disneyland North A.**
 - Field Experience and Structural Performance of Self-Consolidating Concrete in High-Rise and Bridge Construction - **Sun, October 15, 2017 8:00 AM - 10:00 AM, D-Disneyland North B.**
 - 123 Forum: Can Structural Health Monitoring Provide Actionable Information? - **Mon, October 16, 2017 6:30 PM - 8:30 PM, D-Disneyland North A.**
- 7. Upcoming Sessions at Future Conventions [5 min]
 - Rating Methods for Defining Performance of Existing Concrete Bridges (Khatereh Vaghefi and Nestor Rubiano) – Salt Lake City, UT
 - *Advances in Concrete Bridges: Design, Construction, and Rehabilitation in Memory of Dr. Dennis Mertz* - Sponsored 342/343/345 preliminary approval to hold three (two-hour) technical sessions Salt Lake City, UT (Spring 2018) - Jimmy Kim
- 8. Adjournment
- 9. The next meeting(s) will be on March 25th, 2018 (8:30-10:30am) – tentatively