



American Concrete Institute

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[www.concrete.org](http://www.concrete.org)

## MEETING AGENDA

### 342 - Evaluation of Concrete Bridges and Bridge Elements

#### ACI Fall Convention 2020

**Meeting Schedule: Sunday October 25, 2020 (11:30 AM-1:30 pm)**

**Virtual Meeting:** Join Link: <https://global.gotomeeting.com/join/464868877>

**Conference Call Info:** US: [+1 \(872\) 240-3311](tel:+18722403311) Access Code: 464-868-877

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

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 [20 min]
  - 3.1. **342.YR: Concrete Bridge Condition Assessment and Performance Monitoring**
4. Invited Speaker Presentation [5 min]
5. New Business [15 min]
  - 5.1. Sessions and SP focus topics for future conventions
    - Proposed Sessions



- ~~Raleigh, NC~~ **Virtual** – Fall 2020
    - *State-of-the-Art Evaluation of Signature Concrete Bridges (Ben Dymond)*
  - Baltimore, MD – Spring 2021 (342, 228)
    - *Fusion of Visual and Nondestructive Techniques for Bridge Evaluation (Larry Olson) preliminary session approved ✓ – final session request due October 30, 2020*
  - Atlanta, GA – Fall 2021
    - *Structural Load Testing and Monitoring for Concrete Bridge Evaluation (Brock Hedegaard) (444, 342, 343) - preliminary session approved for Chicago (cancelled)???*
  - 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 and Specifications of Concrete - 343*
    - *Signature Bridges ✓*
    - *Analysis of Existing Concrete Bridges (above)*
    - *Data Analytics for Concrete Bridge Evaluation*
    - *SHM of Concrete Bridges*
    - *Innovative Techniques for Monitoring and Evaluating Concrete Bridges and Bridge Elements ✓*
    - *Load Rating of Concrete Bridges ✓*
    - *Non-destructive and Destructive Evaluation of Concrete Bridges ✓*
    - *Field Testing of Concrete Bridges (Diagnostic, Proof) ✓*
    - *Advanced Analysis and Testing Methods for Concrete Bridge Evaluation ✓*
6. Relevant Sessions for Current Convention [4 min]
- State-of-the-Art Evaluation of Signature Concrete Bridges - **Thur, October 29, 2020 10:00 AM - 12:00 PM**
  - Field Applications of Non-Conventional Reinforcing and Strengthening Methods for Bridges and Structures, Part 1 of 3 - **Tue, October 27, 2019 1:00 PM - 3:00 PM**
  - Field Applications of Non-Conventional Reinforcing and Strengthening Methods for Bridges and Structures, Part 2 of 3 - **Wed, October 28, 2019 10:00 AM - 12:00 PM**
  - Field Applications of Non-Conventional Reinforcing and Strengthening Methods for Bridges and Structures, Part 3 of 3 - **Wed, October 28, 2019 1:00 PM - 3:00 PM**
7. Upcoming Sessions at Future Conventions [5 min]
8. Other Announcements [1 min]
- Others?
9. Adjournment
- The next meeting(s) will be on March 28<sup>th</sup>, 2021 (8:30-10:30am) – tentatively