



## MEETING AGENDA

### 342 - Evaluation of Concrete Bridges and Bridge Elements ACI Spring Convention 2017 Meeting Schedule: Sunday March 26, 2017 (8:30 AM-10:30 am) Marriott Nicolet A (Detroit, MI)

**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 (Anaheim, CA)
5. New Business [15 min]
  - 5.1. Sessions and SP focus topics for future conventions
    - Proposed Sessions
      - Anaheim – Fall 2017: Evaluation of Concrete Bridge Behavior Through Load Testing – International Perspectives (Pinar Okumus and Eva Lantsoght)
        - Final Session details
      - 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
        - Advances in Modeling and Analysis for Evaluating Concrete Bridges (Bruno Massicotte and Devin Harris) - Detroit



- Potential Session Topics
  - *Load Rating 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*
  - *Roll out of LDF Report*
  - *Non-destructive and Destructive Evaluation of Concrete Bridges* ✓
  - *Field Testing of Concrete Bridges (Diagnostic, Proof)* ✓
- 6. Relevant Sessions for Current Convention [5 min]
  - Beyond Chain Dragging—Nondestructive Evaluation of Bridge and Parking Decks and NDE Data Fusion - Mon, March 27, 2017 4:00 PM - 6:00 PM, H-Ambassador Salon 2
  - Load Testing of Existing Structures, Test Methods, Research and Applications - Sun, March 26, 2017 3:30 PM - 5:30 PM, H-Ambassador Salon 3
  - Mini Session: Recent Advances in End Region Design of Prestressed Members - Mon, March 27, 2017 8:30 AM - 9:30 AM, H - Mackinac West
  - Durability of Concrete Members Incorporated with Conventional and Advanced Materials, Part 3/3 - Mon, March 27, 2017 1:30 PM - 3:30 PM, H-Ambassador Salon 1
- 7. Upcoming Sessions at Future Conventions [5 min]
  - *Evaluation of Concrete Bridge Behavior Through Load Testing - International Perspective* – Sponsored by 342 and TRB AFF40 – Anaheim, CA (Fall 2017) - Pinar Okumus and Eva Lantsoght
  - *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
  - Rating Methods for Defining Performance of Existing Concrete Bridges – **Proposed** by 342 Salt Lake City, UT (Spring 2018) - Khatereh Vaghefi and Nestor Rubiano
- 8. Adjournment
  - The next meeting(s) will be on October 15<sup>th</sup>, 2017 (8:30-10am) – tentatively