



American Concrete Institute

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Meeting Agenda

ACI Committee 345 – Bridge Construction and Preservation

Fall 2020 Virtual Convention

Sunday, October 25, 2020, 4:30 pm to 6:30 pm EST

Mission: *Develop and report information on construction, maintenance, and repair of concrete bridges.*

1. Opening and Introductions

2. Review Fall 2019 (Cincinnati) minutes - *ballot closed 12/8/2019*

3. Review membership status

- 3.1. Status as of Fall 2020 Convention: 2 officers, 13 other voting members, 6 consulting members, and 20 associate members (41 total)

4. Technical Sessions/Special Publications

- 4.1. Spring 2021 (Baltimore, MD) - prelim approval by 4/3/2020; final approval by 10/30/2020
 - 4.1.1. “Prestressed Concrete with Conventional and Nonconventional Materials” (two parts, F2019), moderated by Jimmy Kim and Hiroshi Mutsuyoshi (JPCI). 11:00-1:00 and 1:30-3:30 Monday.
 - 4.1.2. “Fire and Flood Design, Performance, Mitigation, and Strengthening for Concrete Bridges” (F2019). 4:00-6:00 Monday.
 - 4.1.3. “Long-Term Durability of Concrete Bridges” (F2019) 1:30-3:30 Tuesday
 - 4.1.4. Review of 345.1R-16 / recent advances in proper bridge maintenance? Committee to discuss mini-session for Rosemont S2020. Johan Silfwerbrand and Surendra Manjrekar previously volunteered.
 - 4.1.5. Non-traditional Reinforcing Methods for Design and Construction of Bridges and Structures (F2020) - proposed by J. Kim; committee to review sponsorship.
 - 4.1.6. Noncorrosive reinforcement case studies (F2020 or later?)
 - 4.1.7. Other topics for future sessions? Spring 2019 suggestions included concrete masonry arch bridge case studies; recent advances in bridge deck overlays [polymer concrete (PCO), UHPC thin topping, membranes]; Maintenance to

Always advancing

Inform Preventative Design - with 343, regarding design and maintenance/performance.

4.2. Fall 2021 (Atlanta, GA)

- 4.2.1. “Durability, Service Life, and Long-Term Integrity of Concrete Materials, Bridges, and Structures, moderated by Jimmy Kim, Chris Pantelides, and Xianming Shi.

5. Liaison reports from other committees (TAC, 342, 343, others)

6. Document review & remaining balloting:

6.1. 345.XR – Guide for Concrete Bridge Deck Repair and Rehabilitation

6.1.1 Remaining chapters:

Chapter 2 – Definitions (*Kim - to be done last*)

Chapter 3 – Condition Evaluation. *Balloting closed 10/4/2019 and passed. Committee to review comments.*

Chapter 8 – Electrochemical Methods (Brown)

6.1.2 Editorial review / next steps:

Review board for 345.XR: Keske; additional reviewers? *For assistance with reformatting and editing for consistency / wording / style.*

Formatting of combined balloted document (Keske/Williams) *Two will post the combined document to Committee working documents. To be done before re-balloting entire document*

6.2. 345.2R-13 – Guide for Widening Highway Bridges, *renewal due 2021*

7. New business

8. Adjournment

The next meeting(s) will be virtual?