

# Welcome to Monthly Webinar on Accelerated Bridge Construction

## Connecticut's Rapid Rehabilitation of US Route 1 Bridge over I-95

Sponsored by

*Accelerated Bridge Construction University Transportation Center  
(ABC-UTC) at Florida International University*



Website: [abc-utc.fiu.edu](http://abc-utc.fiu.edu)

Email: [abc@fiu.edu](mailto:abc@fiu.edu)

December 17, 2020 – 1:00 p.m. to 2:15 p.m. Eastern



# Today's Monthly Webinar



**ABC Announcements** (10 minutes)

**Featured Presentation** (35 minutes)

## Connecticut's Rapid Rehabilitation of US Route 1 Bridge over I-95

by

**Rabih Barakat, P.E.**, Principal Engineer, Connecticut DOT; **Thomas Laliberte, P.E.**, Assistant Vice President/Connecticut Structures Lead, WSP USA; and **George Gerard, P.E.**, Senior Structural Engineer, WSP USA

**Question and Answer** (15+ minutes)

**Please post your questions in the question box**

# **Next ABC Conference**

**December 8 - 10, 2021**

Detailed information will be provided during our January 2021 Monthly Webinar

# Available Now!

## Workshop on Contractor / Owner Collaboration on ABC Programs

ABC-UTC has organized a half-day regional workshop for contractor/owner collaboration on reasons and purpose surrounding the paradigm shift in bridge owner decision-making for implementing ABC as common practice in bridge project delivery and to assist contractors and suppliers in partnering in this effort.

*If you would like to have a workshop in your region, please send an email to: [aazizina@fiu.edu](mailto:aazizina@fiu.edu)*

# **Under Development!**

## **Training Workshop on Non-Proprietary UHPC**

ABC-UTC, in conjunction with other entities that have developed Non-proprietary UHPC, is organizing a workshop to provide ready-mix plants, contractors, and other interested stakeholders with essential information for producing UHPC that is not proprietary.

*If you would like to have a workshop in your region, or State DOT, please send an email to:*

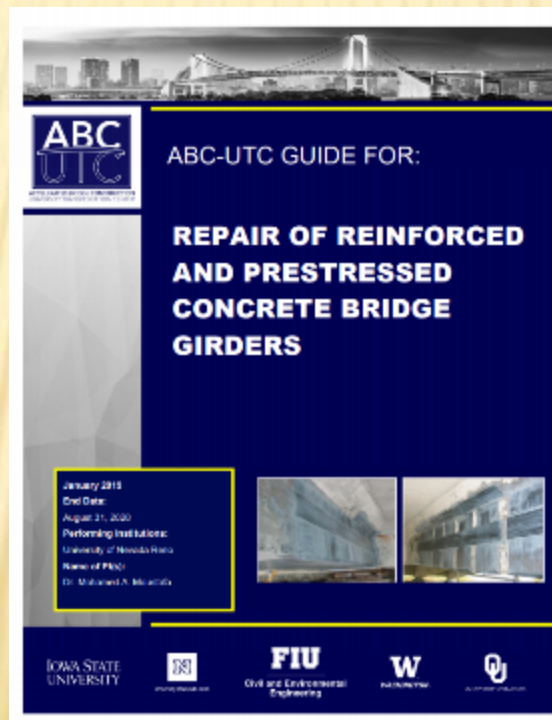
***[aazizina@fiu.edu](mailto:aazizina@fiu.edu)***

# ABC-UTC Guides

*ABC-UTC Guide* = A short document for each project as part of the deliverables to provide essential information needed to put research results into practice



<https://abc-utc.fiu.edu/resources/abc-utc-guides/>

**Featured ABC-UTC Guide:**



**ABC-UTC Guide for Repair of Reinforced and Prestressed Concrete Bridge Girders**  
[ABC-UTC-2016-C2-UNR02]

# ABC-UTC Guides (<https://abc-utc.fiu.edu/>)

→   [abc-utc.fiu.edu/resources/](https://abc-utc.fiu.edu/resources/)



ACCELERATED BRIDGE CONSTRUCTION  
UNIVERSITY TRANSPORTATION CENTER

FIU

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## Resources

Project & Research

Databases

**ABC-UTC Guides**

State DOTs

Implemented Advanced  
Technologies

Industry

TRB ABC Joint  
Subcommittee

FHWA

SHRP2 Implementation

## Resources

The ABC-UTC is a resource center for ABC-related materials. Links on the left menu provide extensive information:

- **Project & Research Databases.** The ABC-UTC is working in cooperation with FHWA, bridge owners, and other bridge professionals to accumulate available completed construction projects in which ABC technologies are used, for posting in the *ABC Project Database*; and also completed, ongoing, and proposed research projects investigating ABC technologies, for posting in the *ABC Research Database*.
- **ABC-UTC Guides.** A short document for each project as part of the deliverables to provide essential information needed to put research results into practice.
- **State DOTs.** ABC-related materials are available from a number of State DOTs.
- **Implemented Advanced Technologies.** Proprietary and non-proprietary innovations that have at least one project included in the *ABC Project Database* and have been presented in an *ABC-UTC monthly webinar* featured presentation are described in detail.
- **Industry.** The concrete, steel, and composites bridge industries are partners as ABC technologies are implemented nationwide.
- **TRB ABC Joint Subcommittee.** The focal point for Transportation Research Board (TRB) ABC activities

# Calls for Workshop Proposals & Award Nominations

## 2021 International Bridge Conference

– National Harbor, MD

June 7-10, 2021

Sponsored by Engineers' Society of Western PA (ESWP)

<https://eswp.com/bridge/>

### Submission deadlines:

- **Workshop Proposals:** December 18, 2020
- **Award Nominations:** January 11, 2021

### For more information:

Kristina Emmerson, [k.emmerson@eswp.com](mailto:k.emmerson@eswp.com)



# Upcoming ABC-Related Activities at Virtual TRB Annual Meeting

January 5-29, 2021

<http://www.trb.org/AnnualMeeting/AnnualMeeting.aspx>

## Workshop 1043: Local/State Bridge Bundling: an ABC Planning and Programming Tool

Friday, 2:00 – 5:00 p.m. Eastern, January 22, 2021

*Sponsored by TRB Bridges and Structures Section (AKB00), Construction Section (AKC00), and ABC Joint Subcommittee (AKB00(2))*

*Co-sponsors:*

- *Innovative Highway Structures and Appurtenances (AKB10)*
- *Steel Bridges (AKB20)*
- *Concrete Bridges (AKB30)*
- *Construction of Bridges and Structures (AKC40)*
- *Low-Volume Roads (AKD30)*
- *Bridge Preservation (AKT60)*

# Upcoming ABC-Related Activities at Virtual TRB Annual Meeting

January 5-29, 2021

<http://www.trb.org/AnnualMeeting/AnnualMeeting.aspx>

## **Workshop 1031: Design and Construction of Ultra-High-Performance Concrete Structural Members and Elements**

Friday, 10:00 a.m. – 1:00 p.m. Eastern, January 22, 2021

*Sponsored by TRB Concrete Bridges (AKB30)*

## **Poster Session 1115: Advances in Bridge Construction Research**

Monday, 2:30 – 4:00 p.m. Eastern, January 25, 2021

*Sponsored by TRB Construction of Bridges and Structures (AKC40)  
with Co-Sponsors including TRB ABC Joint Subcommittee*

# Upcoming ABC-Related Activities at Virtual TRB Annual Meeting

**January 5-29, 2021**

**<http://www.trb.org/AnnualMeeting/AnnualMeeting.aspx>**

**Meeting: Accelerated Bridge Construction Joint Subcommittee,  
AKB00(2)**

Wednesday, 4:00 – 5:30 p.m. Eastern, January 6, 2021

*Sponsored by Structures Section (AKB00) and Construction Section (AKC00);  
ABC Joint Subcommittee (AKB00(2))*

**Meeting: Bridges and Structures Collaboration Subcommittee,  
AKB00(1)**

Wednesday, 12:00 – 1:30 p.m., January 6, 2021

*Sponsored by Structures Section (AKB00); Subcommittee on Structures  
Collaboration (AKB00(1))*

# Upcoming Events

**ASBI Grouting Certification Training  
On-Demand Webinar**  
April 2021

**ASBI Construction Practices for Segmental Concrete  
Bridges Seminar**  
Marriott Seattle Airport, Seattle, Washington  
June 7-8, 2021

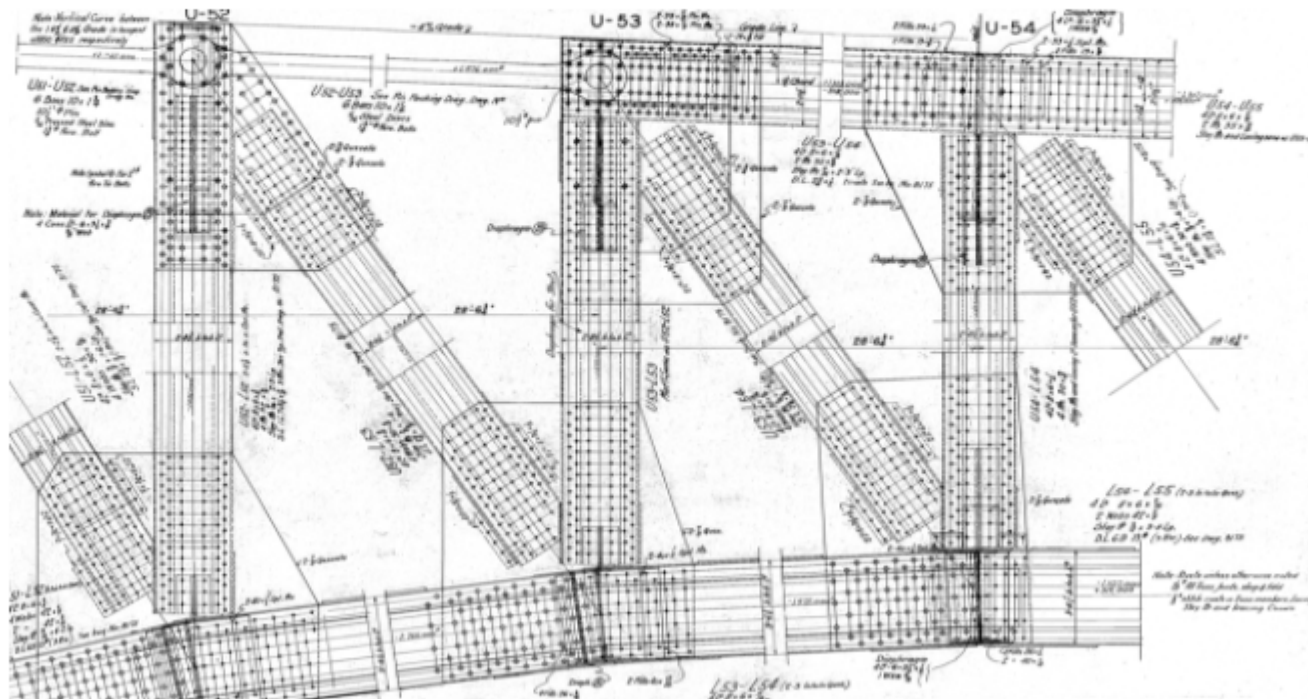
**ASBI 33<sup>rd</sup> Annual Convention**  
Westin La Paloma Resort and Spa, Tucson, Arizona  
November 8-10, 2021

Check the ASBI website for details on all these events:  
<https://www.asbi-assoc.org/>

# NSBA Announces Updated IRM Evaluator

DOWNLOAD NSBA IRM EVALUATOR

The current version of the NSBA IRM Evaluator (v2.01) was released on December 7, 2020. [Click here](#) to view a complete listing of updates and fixes.



[https://www.aisc.org/nsba/design-resources/irm\\_evaluator/](https://www.aisc.org/nsba/design-resources/irm_evaluator/)

# Next Monthly Webinar



Thursday, January 21, 2021 – 1:00-2:15 p.m. E

## Featured Presentation

# Blackhall Road Bridge Project: Modular Decked Beams Made with Bulb Tee Girders

by

**Donn Digamon, P.E.**, State Bridge Engineer, Georgia Department of Transportation; **Jim Aitken, P.E.**, Associate Vice President, CHA Consulting, Inc.; and **Kevin Kahle, P.E.**, Senior Project Manager, CHA Consulting, Inc.

**Mark your Calendars!**

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