

**Welcome to Monthly Webinar on
Accelerated Bridge Construction**

**Deck Replacement of Vermont's
I-89 Bridges with Weekend
Closures**

Sponsored by

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



Website: abc-utc.fiu.edu

Email: abc@fiu.edu

July 23, 2020 – 1:00 p.m. to 2:00 p.m. Eastern



Today's Monthly Webinar



ABC Announcements

(10 minutes)

Featured Presentation

(35 minutes)

Deck Replacement of Vermont's I-89 Bridges with Weekend Closures

by

Kristin Higgins, P.E., State Bridge Engineer and Structures Program Manager, Vermont Agency of Transportation; **Eddie He, P.E.**, Technical Director, AccelBridge; and **John Whittaker**, Project Manager, Kubricky Construction Corp.

Question and Answer

(15 minutes)

Please post your questions in the question box

Our Next ABC Conference

December 8 – 10, 2021

Miami, Florida

Poll Questions

1. Do you plan to attend the December 2021 ABC Conference in Miami, Florida?

- Yes
- No

2. If you plan to attend the Conference, do you plan to submit an abstract for presentation?

- Yes
- No
- Do not know at this point

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 State 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

Coming Soon!

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

Coming Soon!

Training Workshop on ABCs of ABC

ABC-UTC is planning a 1-day ABC workshop, customized for different agencies, providing the latest and essential information related to ABC.

These workshops will include: contracting methods, AASHTO ABC Guide Specification, construction methods, contractors' perspectives, ABC bridge systems, international experiences, and more. We are developing a waiting list. Send an email if you are interested to have one of these workshops in your region or at your State DOT to:

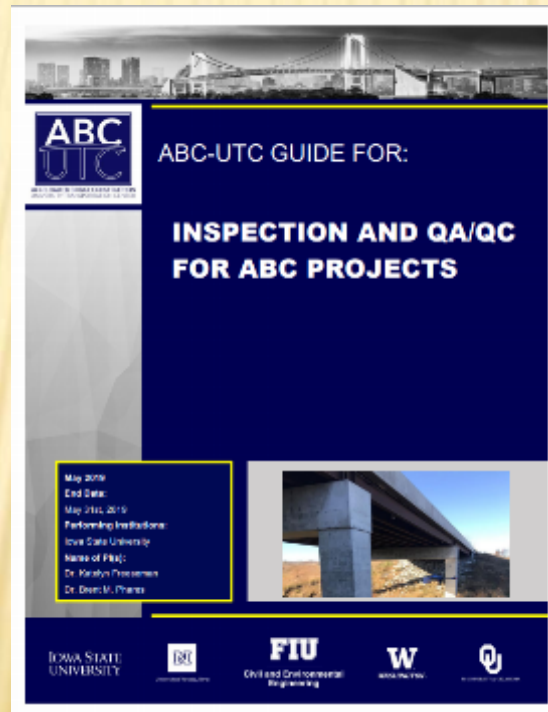
aazizina@fiu.edu

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 Inspection and QA/QC for ABC Projects
[ABC-UTC-2013-C3-ISU03]

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

→   abc-utc.fiu.edu/resources/



ACCELERATED BRIDGE CONSTRUCTION
UNIVERSITY TRANSPORTATION CENTER

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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

Informal Call for ABC Papers

2021 TRB Annual Meeting – Virtual
January 2021

Sponsored by Transportation Research Board (TRB)
<http://www.trb.org>

TRB ABC Joint Subcommittee Call for Papers:
[ABC with Focus on Bridge Preservation Activities](#)

TRB Paper Submission Deadline: August 1, 2020
<http://www.trb.org/AnnualMeeting/AnnualMeeting.aspx>

Call for Award Nominations

2021 PCI Design Awards

Projects completed within the last three years
(no earlier than January 1, 2017)

Sponsored by Precast/Prestressed Concrete Institute

<http://www.pci.org>

Submission Deadline: August 18, 2020

<https://www.pci.org/designawards>

For more information, contact:

William Nickas, WNickas@pci.org

Upcoming Events

ASBI Grouting Certification Training

On-Demand Webinar – July 20-31, 2020

ASBI 2020 Virtual Convention Event

Focus on Technology and Innovation

October 27-28, 2020

1:00 pm to 4:00pm EDT each day

Check the ASBI website for details on all these events:

<https://www.asbi-assoc.org/>

Upcoming Event

NSBA Webinar:

That's Not Fracture-Critical: Classifying System-Redundant Members

Tuesday, August 11, 2020 – 1:30-3:00 p.m. EDT

Sponsored by National Steel Bridge Alliance (NSBA)

<http://www.aisc.org/nsba>

Certificate for 1.5 PDHs will be sent to registered attendees

Speakers:

- Dayi Wang, Ph.D., P.E., FHWA
- Jamie Farris, P.E., Texas DOT
- Andrew Smith, P.E., Wisconsin DOT

For online registration:

<https://www.aisc.org/education/continuingeducation/live-webinars/>



Events

July 20, 2020 – July 31, 2020

[ASBI On-Demand Webinar: Grouting Certification Training](#)

July 23, 2020

[Deck Replacement of Vermont's I-89 Bridges with Weekend Closures](#)

July 30, 2020

[Brazilian Engineering Institute Webinar: Use of UHPC in North American Bridges by Atorod Azizinamini](#)

July 31, 2020

[Synthesis of Available Methods for Repair of Reinforced Concrete and Prestressed Concrete Girders](#)

August 1, 2020

[Informal Call for 2021 TRB Papers on ABC - Submission Deadline - Virtual TRB 2021 Annual Meeting](#)

SEARCH

ENHANCED BY Google



UPCOMING EVENTS

July 20, 2020 – July 31, 2020

[ASBI On-Demand
Webinar: Grouting
Certification Training](#)

July 23, 2020

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Prestressed Concrete
Girders](#)

August 1, 2020



Webinars

Monthly webinar

**Monthly Webinar
Archives**

In-Depth Web Training

In-Depth Web Training
Archives

Research Seminar

Research Seminar
Archives

Research Day

Research Day Archives

Monthly Webinar Archives

The ABC Center at FIU has offered free monthly webinars since March 2011. The ABC-UTC is continuing this series and maintaining an archive of the past events. The intended audience of these webinars includes engineers and other bridge professionals with content ranging from design issues to construction and contracting.

For listing of monthly webinars to date, [click here](#).

June 18, 2020

[Design and Construction of High-Capacity Micropiles in ABC Projects](#)

May 21, 2020

[Lateral Slide and UHPC Integral Abutment Connections on Iowa's 2019 Camp Creek Bridge Replacement](#)

April 16, 2020

[PennDOT's First SPMT Bridge Move: Shaler Street Bridge](#)



Design and Construction of High-Capacity Micropiles in ABC Projects

June 18, 2020

Paul V. Liles, Jr., P.E., Former State Bridge Engineer, Georgia Department of Transportation; **John R. Wolosick, P.E.**, Senior Advisor, Keller North America; and **Tony Sak, P.E.**, Senior Engineer, Keller North America

Design and Construction of High-Capacity Micropiles in ABC Projects



Webinar Documents:

[Design and Construction of High-Capacity Micropiles in ABC Projects](#) - pdf of presentation

Slide 10: [FHWA Micropile Design and Construction Reference Manual, No. FHWA NHI-05-039, December 2005](#)

Slide 38: [Time-lapse video of Courtland Street Bridge replacement \(courtesy Georgia DOT\)](#)

Slide 40: [GDOT Special Provision, Section 999, Micropile Foundations](#)

[Q&A Session](#) - pdf

[News - June 18, 2020](#) - pdf of presentation

Description: Micropiles are drilled and grouted steel pipe or steel bar piles. They have been in use in the U.S. since the early 1980s. The low headroom (8 feet) required for placement of micropiles allows the installation of new foundations for a replacement bridge

ABC-UTC

Quarterly Research Seminar

Friday, July 31, 2020 – 1:00-2:00 p.m. Eastern

Synthesis of Available Methods for Repair of Reinforced Concrete and Prestressed Concrete Girders

Mohamed Moustafa, Ph.D., P.E., Principal Investigator; and **Azin Ghaffary, Ph.D.** Student, ABC-UTC / University of Nevada, Reno

Register online at www.abc-utc.fiu.edu

ABC-UTC 2020 In-Depth Web Training

Design and Construction of Common ABC Technologies Using the 2018 AASHTO LRFD Guide Specifications for ABC

Tuesday, September 8, 11:00 a.m. to 3:00 p.m. EDT

Organizer & Presenter:

Michael P. Culmo, P.E., CHA Consulting, Inc.

1	11:00 a.m. E	Precast Concrete Full-Depth Deck Panels
2	11:40 a.m. E	Adjacent Modular Decked Beams
3	12:20 p.m. E	Prefabricated Substructures
4	1:00 p.m. E	Bridge Systems with Self-Propelled Modular Transporters (SPMTs)
5	1:40 p.m. E	Bridge Systems with Lateral Slides
6	2:20 p.m. E	Construction Specifications

Next Monthly Webinar



Thursday, August 20, 2020 – 1:00-2:00 p.m. Eastern

Featured Presentation

Lake Pontchartrain Causeway Bridge & Safety Bay Construction, Past & Present

by

Carlton Dufrechou, ACIP, General Manager, Lake Pontchartrain Causeway Bridge; **Hossein Ghara, P.E.**, Senior Bridge Design Manager, Volkert, Inc.; and **G.J. Schexnayder, P.E.**, Group Manager – Heavy Construction, Boh Bros.

Mark your Calendars!

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