

Welcome to Monthly Webinar on Accelerated Bridge Construction

Rapid Replacement of CSX's Bayou Sara Bridge Swing Span in Alabama

Sponsored by

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



Website: abc-utc.fiu.edu

Email: abc@fiu.edu

November 12, 2020 – 1:00 p.m. to 2:00 p.m. Eastern



Today's Monthly Webinar



ABC Announcements

(10 minutes)

Featured Presentation

(35 minutes)

Rapid Replacement of CSX's Bayou Sara Bridge Swing Span in Alabama

by

David Knickerbocker, Ph.D., P.E., Movable Bridge Practice Lead, HDR, Inc.; and **Kevin Kane, P.E.**, Project Manager, Brasfield & Gorrie

Question and Answer

(15+ minutes)

Please post your questions in the question box

**We are continuing
our plans for
having our Next
ABC Conference**

December 8 – 10, 2021

Miami, Florida

Virtual Symposium on ABCs of ABC

**Friday, December 4, 2020
9:30 a.m. – 6:15 p.m. EST**

Earn 6.75-hour Certificate of Attendance

The ABC-UTC has developed a 1-day ABCs of ABC symposium, providing the latest and essential information related to ABC.

The symposium will include presentations on safety/mobility, the AASHTO ABC Guide Specifications, decision making, project delivery, bridge bundling, public outreach, optimized risk, heavy-lift equipment, latest research ready for implementation, UHPC applications, seismic details, & case studies.

We are developing a waiting list for topics and interest in future virtual and in-person symposiums. Send an email if you are interested to: aazizina@fiu.edu

Virtual Symposium on ABCs of ABC

Friday, December 4, 2020

9:30 a.m. – 6:15 p.m. EST

Times	Topics	Speakers
9:30 a.m.	Welcome and Perspectives on ABC	Atorod Azizinamini, ABC-UTC Romeo Garcia, FHWA Carmen Swanwick, AASHTO COBS Cheryl Hersh Simmons, AASHTO T-4
9:45 a.m.	ABC and Safety / Mobility	Romeo Garcia, FHWA
10:00 a.m.	Defining ABC	Mary Lou Ralls Newman, ABC-UTC
10:30 a.m.	AASHTO LRFD Guide Specifications for ABC	Mike Culmo, CHA Consulting, Inc.
11:00 a.m.	Decision Making: ABC vs Conventional	Tim Fields, Connecticut DOT
11:30 a.m.	ABC Project Delivery	Kristin Higgins, Vermont AOT
12:00 p.m.	<i>Lunch Break</i>	

Times	Topics	Speakers
1:00 p.m.	Case Studies on ABC Bridge Bundling	Ahmad Abu-Hawash, Iowa DOT
1:30 p.m.	Public Outreach on ABC Projects	Eliza Partington, WGI
2:00 p.m.	Optimized Risk in ABC Projects	Matt Paggioli, Webber LLC Sam Piland, Webber LLC
2:30 p.m.	<i>Break</i>	
3:00 p.m.	Use of Heavy-Lift Equipment for ABC Projects	John Engberg, Barnhart Crane & Rigging Bob Gunter, Barnhart Crane & Rigging
3:30 p.m.	Latest ABC Research Products Ready for Implementation	Atorod Azizinamini, ABC-UTC
4:00 p.m.	Ultra-High-Performance Concrete (UHPC)	Benjamin Graybeal, FHWA
4:30 p.m.	ABC Solutions and Applications in Seismic Regions	Bijan Khaleghi, Washington State DOT
5:00 p.m.	Case Studies on 2 Weekend Closures for Bridge Replacements	Bala Sivakumar, T.Y. Lin International
6:00 p.m.	Concluding Remarks	Atorod Azizinamini, ABC-UTC
6:15 p.m.	<i>Adjourn</i>	

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

Call for Paper Abstracts

2021 International Bridge Conference

– National Harbor, MD

June 7-10, 2021

Sponsored by Engineers' Society of Western PA (ESWP)

<http://www.eswp.com/bridge/>

Suggested topics include **Accelerated Bridge Construction**

- - Peer Reviewed Paper Partnership with TRB - -

Abstract Submission Deadline: November 23, 2020

<https://eswp.com/bridge/call-for-papers/>

Upcoming Events

ASBI Grouting Certification Training

On-Demand Webinar

December 1-15, 2020

ASBI Construction Practices for Segmental Concrete Bridges Seminar

Marriott Seattle Airport, Seattle, Washington

June 7-8, 2021

ASBI 33rd 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/>

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

Sponsored by American Composites Manufacturers Association (ACMA)

<https://acmanet.org/> & <https://discovercomposites.com/>

2021 Pultrusion Conference – Virtual

April 13-15, 2021

For more information:

<https://web.cvent.com/event/822b0342-d26d-4212-afef-466ba0d2203a/summary>

2021 CAMX – The Composites and Advanced Materials Expo – Dallas, TX

October 18-21, 2021

<https://www.thecamx.org/>

For more information, contact John Busel:

jbusel@acmanet.org

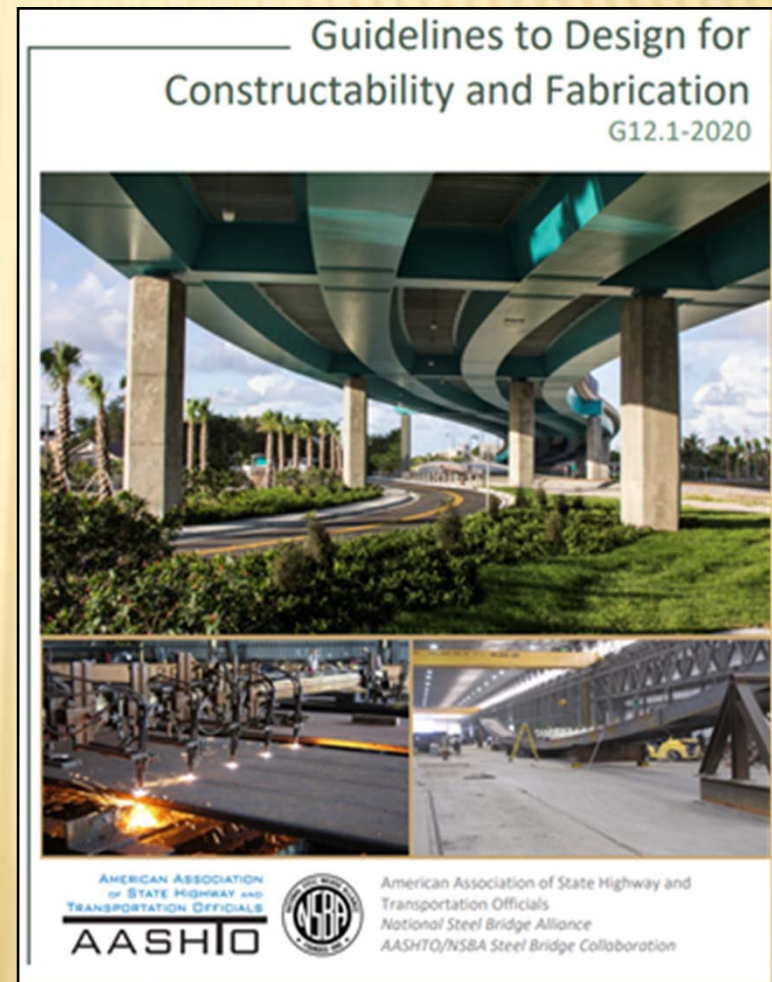
Updated Guidelines

AASHTO/NSBA G12.1, *Guidelines to Design for Constructability and Fabrication*

For more information and to
access the Guidelines:

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

- click “**AASHTO/NSBA
Collaboration**”





Webinars

Monthly Webinar

**Monthly Webinar
Archives**

Symposiums

Symposiums 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](#).

October 22, 2020

[2019 Emergency Partial Reconstruction of Nebraska BNSF Bridge 0.95](#)

September 17, 2020

[Innovative Contracting Project to Accelerate Replacement of Multi-County Bridges in Iowa](#)

August 20, 2020

[Lake Pontchartrain Causeway Bridge & Safety Day Construction, Past & Present](#)



Innovative Contracting Project to Accelerate Replacement of Multi-County Bridges in Iowa

September 17, 2020

Monthly Webinar Archives

<https://abc-utc.fiu.edu/webinars/webinar-archives/>

Ahmad Abu-Hawash, P.E., Chief Structural Engineer, Iowa Department of Transportation; **Phil Rossbach, P.E.**, Vice President, HDR Engineering, Inc.; **Brian P. Moore, P.E.**, Secondary Roads Research Engineer, Iowa County Engineers Association Service Bureau; and Q&A panel member **Vanessa Goetz, P.E.**, IHRB/STIC Executive Secretary, Research and Analytics Bureau, Iowa DOT

Innovative Contracting Project to Accelerate Replacement of Multi-County Bridges in Iowa

Webinar Documents:

[Innovative Contracting Project to Accelerate Replacement of Multi-County Bridges in Iowa](#) - pdf of presentation

Slide 13:

[Iowa DOT Standards for 24-ft-width Roadway](#)

[Iowa DOT Standards for 30-ft-width Roadway](#)

See also [October 2019 Monthly Webinar Archives on *Bridge Bundling Guidebook*](#)

[Q&A Session](#) – pdf

Reference for Questions 6, 7, 13, 18, 24, 31: [Iowa DOT Standards for 24-ft-width Roadway \(relevant UHPC information on pages 3-5 and 26-28\)](#)

Next Monthly Webinar



Thursday, December 17, 2020 – 1:00-2:00 p.m. E

Featured Presentation

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

by

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

Mark your Calendars!

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