

**Welcome to Webinar on
Accelerated Bridge Construction**

**Alabama's Bridge Slide on Ross
Clark Circle over an Existing
Culvert**

Sponsored by

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

Florida International University



Website: abc-utc.fiu.edu

Email: abc@fiu.edu

July 14, 2016 – 1:00 p.m. to 2:00 p.m. Eastern

Today's Webinar

ABC Announcements (10 minutes)


Featured Presentation (35 minutes)

Alabama's Bridge Slide on Ross Clark Circle over an Existing Culvert

Paul Froede, P.E., Miscellaneous Structures and
Bridge Design Section Supervisor, Alabama
Department of Transportation

Question and Answer (15 minutes)

Please post your questions in the question box



Mark Your Calendar

2017 National Accelerated Bridge Construction Conference

December 7 and 8, 2017: Conference

December 6, 2017: Workshops

Miami, FL

Visit www.abc-utc.fiu.edu for updates


2017 National ABC Conference

December 6-8, 2017 – Miami, FL

Call for Abstracts

Opens: August 1, 2016

Submission Deadline: January 20, 2017




Mark Your Calendar

2017 National Accelerated Bridge Construction Conference

December 7 and 8, 2017: Conference

December 6, 2017: Workshops

Miami, FL



2015 National ABC Conference Proceedings

**See www.abc-utc.fiu.edu →
“Conference” → “Conference Archives”**



Upcoming Events

First International Interactive Symposium on UHPC – Des Moines, IA

July 18-20, 2016

- Major focus on UHPC's uses in bridge components and connections
- Experts from 20 countries and more than 220 registrants so far

To register:

<http://register.extension.iastate.edu/uhpc2016/>

2017 TRB Annual Meeting

ABC Papers – due August 1

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

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begins in
178 days!

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2016 AM Links
[2016 Program](#)
[Compendium of Papers \(Annual Meeting Online\)](#)

Thank You!
TRB 2017
Annual Meeting
Patrons

CAMBRIDGE
SYSTEMATICS
Think Forward



Welcome to the 2017 TRB Annual Meeting

The Transportation Research Board (TRB) 96th Annual Meeting will be held January 8–12, 2017, at the Walter E. Washington Convention Center, in Washington, D.C. The information-packed program is expected to attract more than 12,000 transportation professionals from around the world.

The meeting program will cover all transportation modes, with more than 5,000 presentations in nearly 750 sessions and workshops, addressing topics of interest to policy makers, administrators, practitioners, researchers, and representatives of government, industry, and academic institutions. A number of sessions and workshops will focus on the spotlight theme for the 2017 meeting: *Transportation Innovation: Leading the Way in an Era of Rapid Change*.

Call for Papers: Visit the [call for papers](#) for details about how you can submit a paper for possible presentation at the TRB Annual Meeting.

Paper Submission: Visit the [paper submission site](#) for submission of papers for presentation at the TRB Annual Meeting and/or publication in the Transportation Research Record: Journal of the Transportation Research Board.

The full 2017 program will be posted to this website in November, 2016. In the meantime, you can see examples of the scope and depth of a typical meeting program by browsing the [Interactive Program](#) of the recent 2016 TRB Annual Meeting.

Links for the recent 2016 TRB Annual Meeting:

[2016 Program](#)

[Compendium of Papers](#)

2017 TRB Annual Meeting Patrons

Call for Presentations

**2017 Design-Build in Transportation Conference –
Minneapolis, MN**

March 27-29, 2017

Sponsored by Design-Build Institute of America (DBIA)

<http://www.dbia.org>

Submission Deadline: August 1, 2016

http://www.dbtranspo.com/call_for_papers.cfm

For more information, contact:

Allison Leisner, aleisner@dbia.org

Call for Funding Proposals

TRB's Innovations Deserving Exploratory Analysis (IDEA) Program

Projects that foster innovative concepts for highway systems

Sponsored by Transportation Research Board (TRB)

<http://www.trb.org>

Submission Deadline: September 1, 2016

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

Call for Award Nominations

2016 PCI Design Awards

Projects completed within the last three years
(no earlier than January 1, 2013)

Sponsored by Precast/Prestressed Concrete Institute

<http://www.pci.org>

Submission Deadline: October 3, 2016

http://www.pci.org/About_PCI/Awards/PCI_Design_Awards/

For more information, contact:

William Nickas, WNickas@pci.org

ABC-UTC Graduate Student Seminar

Friday, July 29, 2016 (1-2 pm Eastern)

ABC Techniques to Improve Durability, Sustainability, and Efficiency

Synthesis on the Use of ABC Approaches for Bridge Rehabilitation

by

Meghan Cronin

ISU Graduate and former ISU Research Assistant
Structural EIT, Meyer Borgman Johnson, Inc., Minneapolis, MN
(M.S., December 2015)



Laboratory Testing of Integral Abutment Details for Accelerated Bridge Construction

by

Sam Redd

ISU Graduate and former ISU Research Assistant
Structural EIT, Felsburg Holt and Ullevig, Denver, CO
(M.S., December 2015)



Register at <http://abc-utc.fiu.edu/>

Best Practice Guide for Self-Propelled Modular Transporters

by
**European Association
of Abnormal Road Transport and Mobile Cranes (ESTA)**

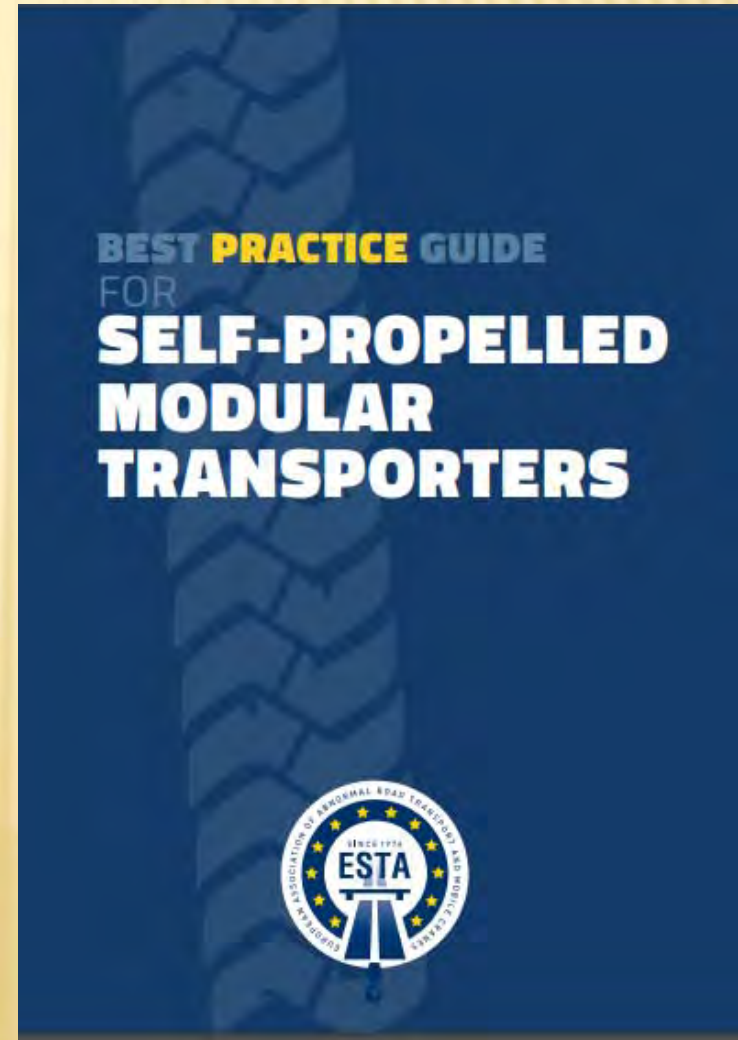
For link to guide:

<http://www.abc-utc.fiu.edu>

➔ Resources

➔ Industry

www.abc-utc.fiu.edu/resources/industry/



ABC-UTC Resources → Industry

<http://abc-utc.fiu.edu/>

Bridge System Moves

- [Self-Propelled Modular Transporter \(SPMT\) Contractors](#)

- [ESTA Best Practice Guide for SPMTs.](#)

- In 2016 the European Association of Abnormal Road Transport and Mobile Cranes (ESTA) published its best practice guide on the use of SPMTs. *"It should be noted that the document has been produced and should be read with the view that such a complex subject as the 'use of SPMT's' means it cannot be prescriptive, or offer engineering calculations due to the many complex possibilities for this unique transport method. The objective of this document is to correlate the chain of responsibility for all stakeholders involved with SPMT operations, to recommend best practice and to serve as a 'baseline starting point' for the use of SPMT's from where the more complex transport engineering jobs can then go forward."* quote from Guide's Preface
- Comment by Mike Culmo, CME: The guide is developed for moving heavy loads over the road. It has good information applicable to bridge moves; for example:
 1. Defines different levels of engineers and operators required
 2. Defines what information is required of the owner in order to execute a move
 3. Defines assumed stability plane and stroke height for engineering calculations
 4. Includes checklists of engineering and operation

ABC-UTC Webinar Archives

<http://abc-utc.fiu.edu/>

Databases
ABC-UTC Highlights Reports



About Us

Welcome

The ABC-UTC has assembled an experienced, knowledgeable, and engaged group of bridge academics and engineers who collectively will provide the transportation industry with the tools needed to effectively and economically utilize the principles of ABC to enhance mobility, and safety and produce safe, environmentally friendly, long-lasting bridges.

[Read More.](#)

Webinar

Alabama's Bridge Slide on Ross Clark Circle over an Existing Culvert

July 14, 2016



 Archives

Highlights

2015 Highlights Report

The 2015 Highlights Report summarizes the ABC-UTC's work during 2015.

In-Depth Web Training Archives

Building upon the series of monthly, hour-long webinars hosted by the ABC-UTC at FIU, a program of in-depth web training was initiated in 2014 to provide more detailed coverage of select projects and topics related to ABC.

Circle over an Existing Culvert

July 18, 2016 – July 20, 2016

1st International Interactive Symposium on Ultra-High Performance Concrete - Des Moines, IA

July 29, 2016

Graduate Student Seminar: ABC Techniques to Improve Durability, Sustainability, and Efficiency

August 1, 2016

Call for Papers - Submission Deadline - 2017 TRB Annual Meeting -



ABC-UTC Webinar Archives

<http://abc-utc.fiu.edu/>



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June 16, 2016

[Concrete Filled Steel Tube Bridge Pier Connections – An ABC Solution](#)

May 19, 2016

[Ontario's Rapid Installation of Single-Span Bridges](#)

April 21, 2016

[Ontario's Rapid Installation of Concrete Rigid Frame Bridges](#)

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July 14, 2016

[Alabama's Bridge
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2016

[1st International
Interactive
Symposium on](#)

ABC-UTC Webinar Archives

<http://abc-utc.fiu.edu/>

Concrete Filled Steel Tube Bridge Pier Connections – An ABC Solution

June 16, 2016

1:00 pm

Eastern Standard Time (EST)

by **Bijan Khaleghi, Ph.D., P.E., S.E.**, State Bridge Design Engineer, Washington State DOT; **Dawn Lehman, Ph.D.**, Professor, University of Washington; and **Charles Roeder, Ph.D., P.E.**, Professor, University of Washington

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UPCOMING EVENTS

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FIU

Accelerated Bridge Construction Center
FLORIDA INTERNATIONAL UNIVERSITY

Concrete Filled Steel Tube Bridge Pier Connections - ABC Solution

Bijan Khaleghi, Ph.D., P.E., S.E., State Bridge Design Engineer,
Washington State DOT



ABC-UTC Webinar Archives

<http://abc-utc.fiu.edu/>

FLORIDA INTERNATIONAL UNIVERSITY

Concrete Filled Steel Tube Bridge Pier Connections - ABC Solution

Bijan Khaleghi, Ph.D., P.E., S.E., State Bridge Design Engineer,
Washington State DOT

Dawn Lehman, Ph.D., Professor, University of Washington

Charles Roeder, Ph.D., P.E., Professor, University of Washington

Webinar held on 06/16/2016

July 29, 2016

Graduate Student
Seminar: ABC Techniques
to Improve Durability,
Sustainability, and
Efficiency

August 1, 2016

Call for Papers -
Submission Deadline -
2017 TRB Annual Meeting
- Washington, D.C.

August 1, 2016

Call for Presentations -
Submission Deadline -
2017 Design-Build in
Transportation
Conference -
Minneapolis, MN

August 31, 2016

Owner Scholarship
Application Deadline -
2016 Design-Build



Webinar Documents

- [Concrete Filled Steel Tube Bridge Pier Connections. An ABC Solution - pdf of presentations](#)
- [WSDOT Bridge Design Manual design requirements - pdf of handout](#)
- [UW summary of design expressions and two design examples - pdf of handout](#)
- [News - June 16, 2016 - pdf of presentation](#)

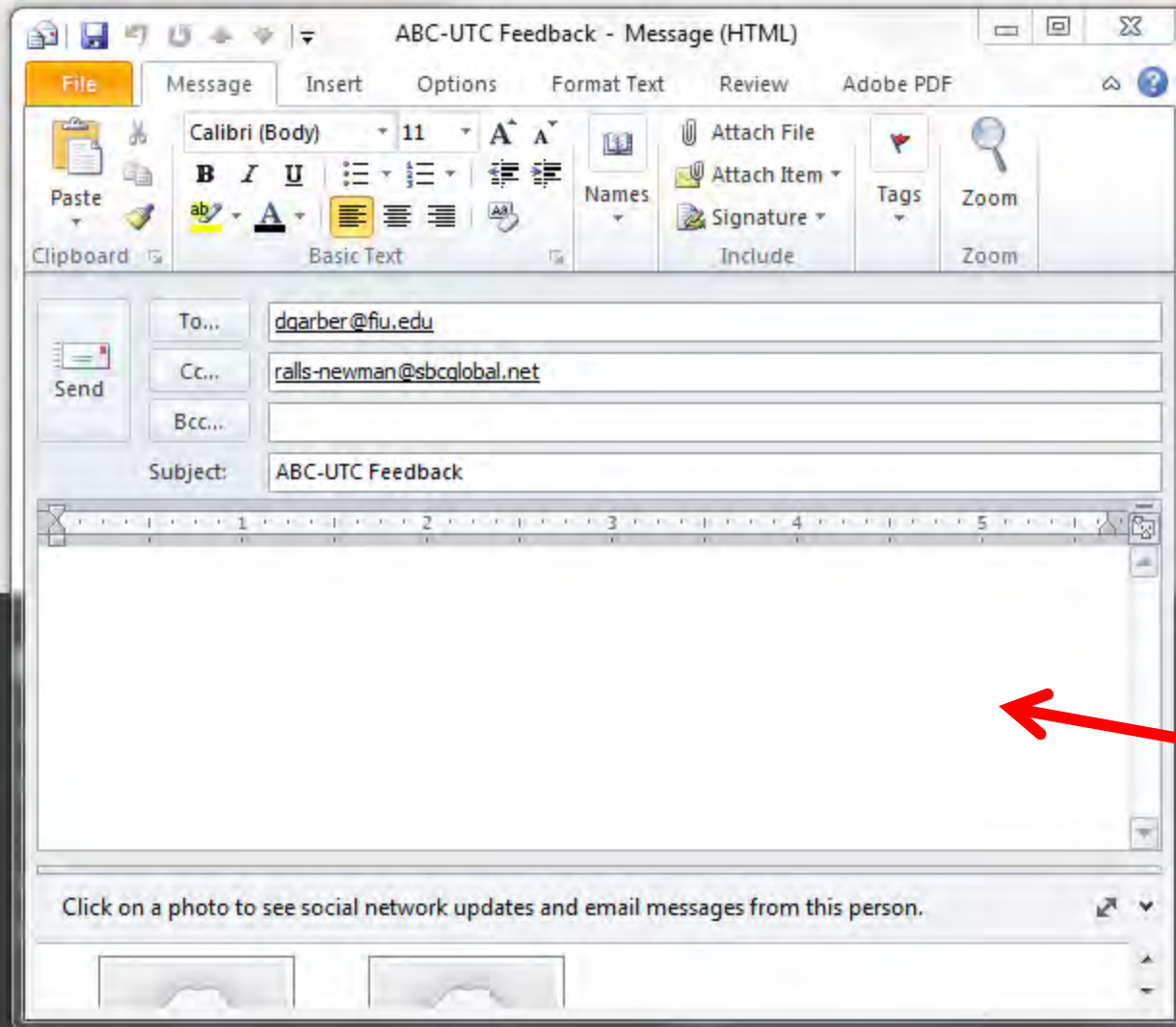
Description: ABC techniques with adequate seismic resistance have become a priority for many DOTs in regions of high seismicity. Concrete filled steel tube (CFT) columns offer an attractive ABC alternative to conventional reinforced concrete and



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- Process is automated
- Any site registered for this webinar will receive a notification email for your response
- Click the first link to obtain a certificate
- For multiple participants at your site, also click the second link and provide first name, last name, & email address for each participant; each participant will then receive an automatic email with link to print individual certificate
- New process allows participants to print certificates for past webinars that were attended

<http://abc-utc.fiu.edu>



FEEDBACK

Click Here to Give Feedback

Add Name to ABC-UTC Email List

Next Webinar

Thursday, August 25, 2016 (1:00 – 2:00 p.m. Eastern)

Featured Presentation

PennDOT SR 30 over Bessemer Ave. Bridge Replacement in One Weekend

by

Louis J. Ruzzi, P.E., PennDOT District 11-0 Bridge Engineer, Pittsburgh area; **John Myler**, PennDOT Assistant Construction Engineer, District 11-0; and **Bala Sivakumar, P.E.**, VP, Director-Special Bridge Projects, HNTB

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