

**Welcome to Webinar on
Accelerated Bridge Construction**

**Industry Perspective on Precast
Element Details for Successful
ABC Projects**

Sponsored by

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

Florida International University



Website: abc-utc.fiu.edu

Email: abc@fiu.edu

December 17, 2015 – 1:00 p.m. to 2:00 p.m. Eastern

Today's Webinar

ABC Announcements (10 minutes)

Featured Presentation (35 minutes)

Industry Perspective on Precast Element Details for Successful ABC Projects

**William Nickas, P.E., Managing Director,
Transportation Services, PCI; and Keith Kaufman,
Ph.D., P.E., Chief Engineer, Prestressed Concrete
Division, Knife River Corporation**

Question and Answer (15 minutes)

Please post your questions in the question box

2015
**NATIONAL ACCELERATED BRIDGE
CONSTRUCTION CONFERENCE**

December 7 and 8, 2015

Workshops December 6, 2015
Hyatt Regency, Miami, Florida

www.abc-fiu.edu/

More than 600 attended the 2015 Conference
10 workshops
115 technical workshops

**Thanks to all sponsors, co-sponsors,
exhibitors, speakers, moderators,
and attendees!**

2015

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CONSTRUCTION CONFERENCE**

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Workshops December 6, 2015
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**Next Conference:
December 6-8, 2017**

**Hyatt Regency Hotel
Miami, FL**

Upcoming ABC Activities at TRB Annual Meeting

January 10-14, 2016 – Washington, DC

ABC Subcommittee Meeting, AFF10(3)

– Tuesday, January 12, 2016

For more information:

Ben Beerman, Chair: Benjamin.Beerman@dot.gov

Subcommittee website: <http://www.trbaff103.com/>

Upcoming ABC Activities at TRB Annual Meeting

January 10-14, 2016 – Washington, DC

Workshop 121: Ultra-High-Performance Concrete Connections for Precast Bridge Elements

*Sponsored by TRB AFF30, Concrete Bridges – Sunday morning,
January 10, 2016*

- Introduction To UHPC
- FHWA UHPC Connection Research
- FIU – Center for ABC UHPC Connection Research
- Iowa Experience with UHPC Connections
- New York State Experience with UHPC Connections
- Specifications for UHPC Connections Projects

Upcoming ABC Activities at TRB Annual Meeting

January 10-14, 2016 – Washington, DC

Session 616: Bridge Sliding: ABC Method to Reduce Construction Time

*Sponsored by TRB AFH40, Construction of Bridges and Structures;
AFF10(3), Subcommittee on ABC; AFF20, Steel Bridges; and AFF30,
Concrete Bridges – Tuesday, January 12, 2016*

- I-84 Dingle Road Bridge Slide-In Construction
- CSX Longitudinal and Transverse Rail Bridge Slide
- Low-Tech Bridge Slide for Gila Indian Reservation
- FHWA Slide-In Bridge Construction Guidance

Upcoming ABC Activities at TRB Annual Meeting

January 10-14, 2016 – Washington, DC

Session 691: Risk Management in Accelerated Bridge Construction

*Sponsored by TRB AFH40, Construction of Bridges and Structures;
AFF20, Steel Bridges; and AFF30, Concrete Bridges – Tuesday,
January 12, 2016*

- Risk Management in ABC: Owner's Perspective with Traditional Contracting Methods
- Risk Management in ABC: Owner's Perspective with Alternative Contracting Methods
- Risk Management in ABC: Contractor's Perspective
- Risk Management in ABC: Design Consultant's Perspective

Upcoming ABC Activities at TRB Annual Meeting

January 10-14, 2016 – Washington, DC

Session 759: Advances on Accelerated Bridge Construction

*Sponsored by TRB AFF10, General Structures; and AFF10(3),
Subcommittee on ABC – Wednesday, January 13, 2016*

- Performance Evaluation of Longitudinal UHPC Closure Pour Connection for Use in Modular Bridge Construction
- Estimation of the Total Cost of Bridge Construction for use in Accelerated Bridge Construction Selection Decisions
- Computational Framework for Predicting Accelerated Bridge Construction Technology-Specific Costs and Benefits
- Overview of the ABC Project and Research Databases

AMERICAN CONCRETE INSTITUTE 2016 EXCELLENCE IN CONCRETE CONSTRUCTION AWARDS

Open to all entries that have won at a local level through an ACI Chapter and will be submitted by the Chapter

Projects must consist of new construction completed within 36 months of the submission deadline

Call for Entries Deadline: February 15, 2016

Google: [ACI 2016 Excellence in Concrete Construction Awards](#)

Available SHRP2 R04 Training

An invitation has been extended to AASHTO members to host one-day training on the SHRP2 R04 Toolkit

If interested, contact Patricia Bush, AASHTO:
pbush@aaashto.org

ABC-UTC

Graduate Student Seminars

- Quarterly starting in 2016
- 1-hour in length, web-based
- Presented by ABC-UTC graduate students
- Two 20-minute student presentations, each followed by 10-minute Q&A
- Presentation content:
 - Overview of ABC aspects of research project
 - Student's tasks in the project
 - ABC research products for implementation

Mark your calendar for 1st seminar:

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

ABC Project Database



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Technology Transfer: Project & Research Databases

[Project Database](#) (*click here to access*)

[Research Database](#) (*under construction*)

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 and research projects in which ABC technologies have been investigated. The **Project Database** has been expanded from its origin, the FHWA *National ABC Project Exchange*. The **Research Database** has been expanded from the TRB ABC Subcommittee's research tracking spreadsheet, *Project Tracker*.

[Project Submission Process](#): Individuals with knowledge of completed ABC construction projects and upcoming, ongoing, and completed ABC research projects are encouraged to submit project details into the databases. A two-step submission process allows individuals to submit minimal first-step information for approval by bridge owners and the ABC-UTC Database Steering Subcommittee to ensure the projects are appropriate for the databases. Upon first-step approval, submitters will receive a link to complete uploading of project information. Upon second-step approval by bridge owners and the ABC-UTC Database Steering Subcommittee, the projects will be added to the databases.

Search

Upcoming Events

December 4, 2015

Call for Workshops-
Submission Deadline-2
International Bridge
Conference - National
Harbor, MD

December 6 - 8, 2015

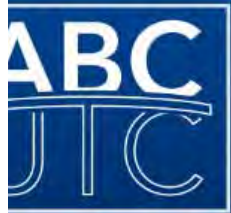
2015 National Accelerated
Bridge Construction
Conference - Miami, FL

December 14, 2015

Call for Award Nominations
- Submission Deadline
NSBA 2016 Prize Bridge
Competition

January 15, 2016

ABC Project Database (Now Available!)



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ABC Project Database (Now Available!)



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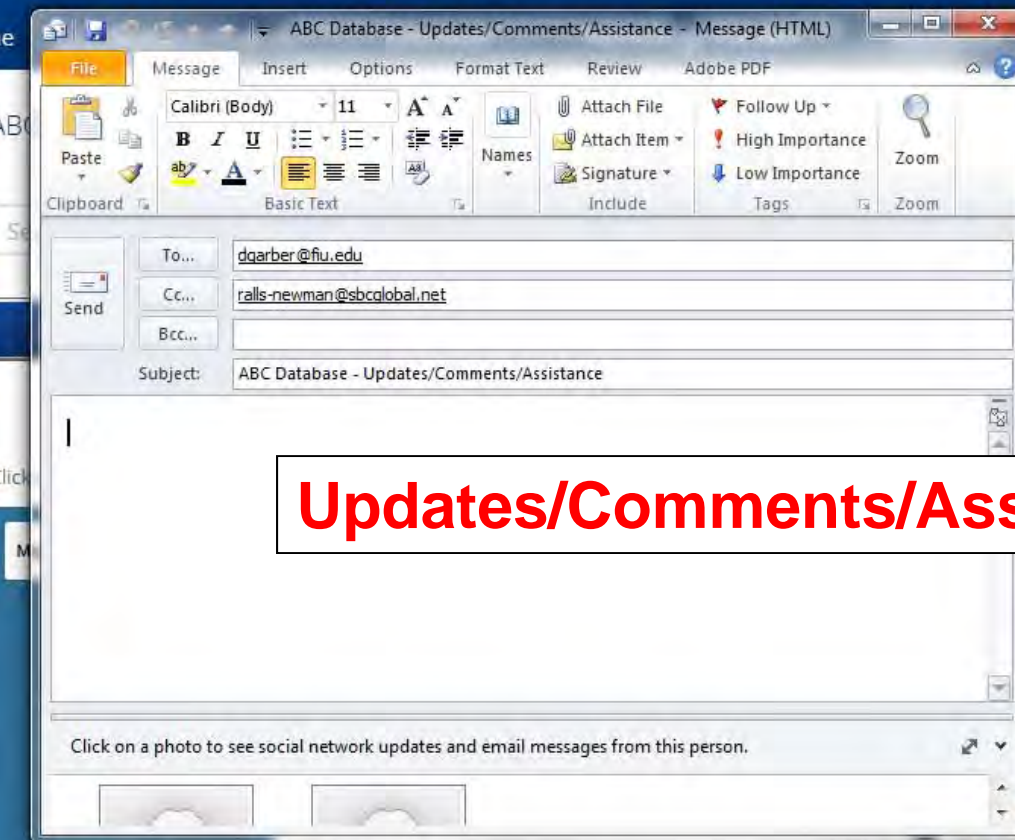
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Project Database
Research Database

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Updates/Comments/Assistance





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Submit Project

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Click on pin icons to view bridge details:



Procedure for Issuing Certificates of Attendance

- Procedure is automated
- Any site registered for this webinar will receive a notification email for your response
- Click on the 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

Next Webinar

Thursday, January 21, 2016 (1:00 – 2:00 p.m. Eastern)

Featured Presentation

UHPC Connections for Accelerated Bridge Construction

by

**Benjamin A. Graybeal, Ph.D., P.E., Team Leader for
Bridge Engineering Research, Federal Highway
Administration**

To register, visit: www.abc-utc.fiu.edu

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