

**Welcome to Webinar on  
Accelerated Bridge Construction**

**Connecticut DOT's Weekend  
Closure to Replace I-84 Bridges  
over Marion Avenue**

**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)**

**October 29, 2015 – 1:00 p.m. to 2:00 p.m. Eastern**

# Today's Webinar

**ABC Announcements** (10 minutes)

**Featured Presentation** (35 minutes)

## **Connecticut DOT's Weekend Closure to Replace I-84 Bridges over Marion Avenue**

**Timothy D. Fields, P.E., Transportation Principal Engineer, ConnDOT; Mary E. Baker, P.E., Transp. Supervising Eng'r., ConnDOT; & Mohammed Bishtawi, P.E., Transp. Supervising Eng'r., ConnDOT**

**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.2015abc.fiu.edu](http://www.2015abc.fiu.edu)

**Confirmed Keynote Speakers:**

**Congressman Mario Diaz-Balart  
FHWA Administrator Gregory Nadeau**

# Hotel Reservations

**We have added additional rooms to our room blocks at the Miami Hyatt Regency**



[www.2015abc.fiu.edu](http://www.2015abc.fiu.edu)

# Deadline for Online Registration

Friday, November 20, 2015

Visit

[www.2015abc.fiu.edu](http://www.2015abc.fiu.edu)  
for online registration



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**for details**

# **ABC-UTC In-Depth Web Training**

## **Milton-Madison Bridge Replacement: the Mega-Lateral Slide**

**November 10, 2015**

**11:00 a.m. to 3:00 p.m. Eastern**

**Six 40-minute modules**

# ABC-UTC In-Depth Web Training

## Nov 10, 11:00 a.m. to 3:00 p.m. Eastern

Module	Module Title	Speaker
1	Introduction	Anne M. Rearick, P.E., Director of Bridges, Indiana DOT; & Kevin Hetrick, P.E., Indiana Transportation Manager, Clark Dietz, Inc. – Engineers
2	Preliminary Engineering & Owner's Consultant Oversight	Aaron Stover, P.E., S.E., Project Manager, Michael Baker International
3	Design-Build Bidding, ABC, and Maintenance of Traffic	Travis Butz, P.E., Senior Bridge Engineer, Burgess & Niple, Inc.
4	Pier Rehabilitation Design and Construction	Travis Butz, P.E., Senior Bridge Engineer, Burgess & Niple, Inc.
5	Main Spans (Trusses) Design and Construction	Murray Johnson, P.E., Vice President, Project Director, Buckland & Taylor
6	Construction	Charlie Gannon, Project Manager, Walsh Construction



**ABC-UTC In-Depth Web Training**  
**Nov 10, 11:00 a.m. to 3:00 p.m. Eastern**

**Online Registration:**

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

**Cost is \$150 per site**  
**for all six 40-minute modules**

# ABC-UTC In-Depth Web Training

## Nov 10, 11:00 a.m. to 3:00 p.m. Eastern

The image shows a screenshot of the ABC-UTC website homepage. The browser address bar shows the URL <http://abc-utc.fiu.edu/index.php/>. The page features a blue header with the ABC-UTC logo on the left, the text "ACCELERATED BRIDGE CONSTRUCTION UNIVERSITY TRANSPORTATION CENTER" in the center, and the FIU logo on the right. A navigation menu below the header includes links for Home, Research Projects, Education, Technology Transfer, Resources, Events, and News. A sidebar on the left lists various site sections like "About ABC-UTC", "Center Partners", and "Key Researchers". The main content area has a large blue banner with the ABC-UTC logo and logos for FIU, Iowa State University, and the University of Nevada, Reno. Below the banner is a registration form with fields for "Your Name", "Your E-mail", and a "Submit" button. On the right side, there is a search bar and a list of "Upcoming Events". One event, "November 10, 2015 ABC-UTC In-Depth Web Training: Milton-Madison Lateral Slide", is circled in red. Other events listed include a regional peer-to-peer exchange workshop in Atlanta, GA, a call for workshop submissions, and a national conference in Harbor, MD.

ABC-UTC

ACCELERATED BRIDGE CONSTRUCTION  
UNIVERSITY TRANSPORTATION CENTER

FIU FLORIDA INTERNATIONAL UNIVERSITY

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Search

Upcoming Events

November 10, 2015  
ABC-UTC In-Depth Web  
Training: Milton-Madison  
Lateral Slide

November 17 - 18, 2015  
SHRP2 R04 Regional Peer-  
to-Peer Exchange  
Workshop - Atlanta, GA

December 4, 2015  
Call for Workshops-  
Submission Deadline-2016  
International Bridge  
Conference - National  
Harbor, MD

December 6 - 8, 2015  
2015 National Accelerated

Join us and learn more about ABC:

Your Name Your E-mail Submit

ABC Conference October 29, 2015

# Upcoming Events

**PCI Convention and National Bridge Conference –  
Nashville, TN**  
March 1-5, 2016

Sponsored by Precast/Prestressed Concrete Institute (PCI)  
<http://www.pci.org/>

**Online registration** opens early November 2015  
**Early bird registration** ends February 1, 2016

To register: <http://www.pci.org/2016convention/>

For more information, contact William Nickas:  
[WNickas@pci.org](mailto:WNickas@pci.org)

# ABC Project Database



ACCELERATED BRIDGE CONSTRUCTION  
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## Technology Transfer: Project & Research Databases

[Project Database](#) (under construction)

[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.



### Upcoming Events

November 10, 2015

**ABC-UTC In-Depth Web Training: Milton-Madison Lateral Slide**

November 17 - 18, 2015

**SHRP2 R04 Regional Peer-to-Peer Exchange Workshop - Atlanta, GA**

December 4, 2015

**Call for Workshops- Submission Deadline-2016 International Bridge Conference - National Harbor, MD**

December 6 - 8, 2015

**2015 National Accelerated Bridge Construction**

# ABC Project Database (Available next week!)



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Research Projects  
Research Facilities

## Research Projects

### Compilation of ABC solutions

► [Link to latest QUARTERLY PROGRESS REPORT](#)

► [Link to OVERVIEW POSTER](#)

#### Background

Development of accelerated bridge systems has been occurring across the country, many times in isolation. Although FHWA and others have worked to facilitate communication between these efforts, there as of yet does not exist a comprehensive resource to aid designers in selecting an appropriate system for a particular project.

#### Objective

The objective of the project is to compile information on existing accelerated bridge technologies and present the information in a manner useful to designers.

#### Scope

The compilation will include all bridge types constructed of any material, using accelerated bridge construction. The ABC-UTC steering committee has recommended that proprietary systems, composites and ultra-high performance concrete be avoided when possible. This advisement will be considered during the development of any rankings or recommendations that may occur. However, such systems will not necessarily be omitted due to the presence of these features. Rather, an attempt will be made to present all of the alternatives and provide objective information so that end users can make an informed decision regarding the suitability

Search

### Projects at Florida International University

- Development of Manual for Enhanced Service Life of ABC Projects
- International Database of ABC Research
- Extending application of SDCL to ABC
- **Compilation of ABC solutions**
- Estimating total cost of bridge construction using ABC and conventional methods of construction

### Projects at Iowa State University

# ABC Project Database (Available next week!)



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ABC Project Database

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Research Database

Search for bridges

Search

List all projects

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Click on pin icons to view bridge details:



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# ABC Project Database (Available next week!)



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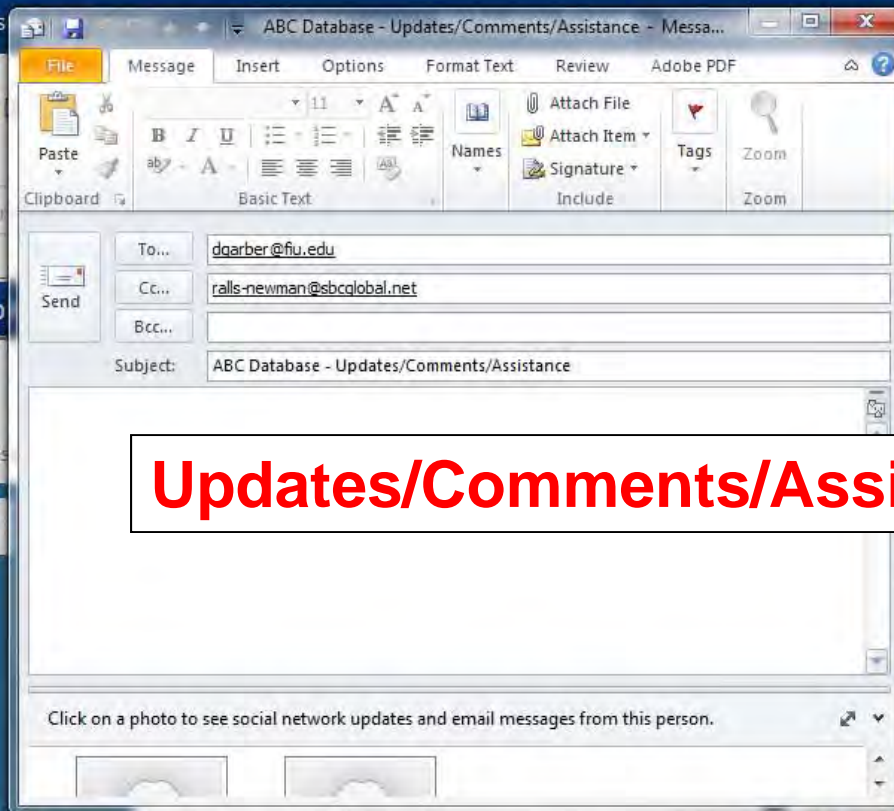
Project Database  
Research Database

Search for b

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Map Satellite



**Updates/Comments/Assistance**

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ABC Project Database

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Click on pin icons to view bridge details:



# ABC-UTC Mentoring Program

ABC-UTC Mentoring Program – A conduit for communication between students working on ABC-UTC research projects and industry representatives with interest and expertise in ABC

If you are interested in becoming an ABC-UTC Mentor, contact **Dr. Brent Phares**, ABC-UTC/ISU at: **[bphares@iastate.edu](mailto:bphares@iastate.edu)**

# Next Webinar

Monday, November 30, 2015 (1:00 – 2:00 p.m. Eastern)

## Featured Presentation

### Iowa County Bridge Constructed of K-UHPC

by

**Brian Keierleber, P.E., County Engineer, Buchanan County, Iowa; Alex Davis, P.E., Assistant County Eng'r., Buchanan County, Iowa; and Hosin “David” Lee, Ph.D., P.E., Professor, University of Iowa**

To register, visit: [www.abc-utc.fiu.edu](http://www.abc-utc.fiu.edu)

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