

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

**Featured Presentation:**  
**ABC Short-Span Low-Volume Bridge Types &**  
**Lessons Learned – Part 3: Concrete**

**Sponsored by**

*Center for Accelerated Bridge Construction*  
*(ABC) Center at*  
**Florida International University**



**Website: [abc.fiu.edu](http://abc.fiu.edu)**  
**Email: [abc@fiu.edu](mailto:abc@fiu.edu)**

**September 13, 2012 – 1:00 p.m. to 2:00 p.m. Eastern**

# Webinar Agenda

**ABC Announcements** (10 minutes)

**Featured Presentation** (35 minutes)

## **ABC Short-Span Low-Volume Bridge Types & Lessons Learned – Part 3: Concrete**

**William Nickas, P.E.**

**Managing Director, Transportation Services  
Precast/Prestressed Concrete Institute (PCI)**

**Question and Answer** (15 minutes)

**Please post your questions in the chat box**

# 2012 ABC Technical Workshop

Wednesday, December 5 (1 pm start) – Thursday,  
December 6 (5 pm)

FIU campus, Miami

Agenda and other details are posted on web site

**Online registration is open!**

Visit [abc.fiu.edu](http://abc.fiu.edu) for Registration



# 2012 ABC Technical Workshop Program

## Day 1 (1 pm start):

### ABC Projects Overview

Case Study 1:           Adjacent Deck Bulb Tee Beam Bridge  
w/Precast Caps & Columns:  
**2011 WSDOT US 12 Bridge over I-15**  
*Jugesh Kapur, WSDOT*

Case Study 2:           Modular Decked Steel Beam Bridge:  
**2011 MassDOT I-93FAST14 Bridges**  
*Mike Culmo, CME*

Case Study 3:           Available Options for Deck Closure  
Joints  
*Bruce Johnson, Oregon DOT*

# 2012 ABC Technical Workshop Program

## Day 2:

Case Study 4: SPMT Superstructure Move:  
2011 UDOT Sam White Bridge over I-15  
*Hugh Boyle, H. Boyle Engineering*

Case Study 5: Superstructure Lateral Slide:  
2011 MODOT I-44 Bridge over the  
Gasconade River  
*Steve Haines, Parsons*

Superstructure and Substructure Element Types  
*Carmen Swanwick, Utah DOT*

# 2012 ABC Technical Workshop Program

## Day 2 (cont'd.):

Determining Project Suitability for PBES/ABC

*Mike Culmo, CME*

Seismic Connections & Performance

*Elmer Marx, Alaska DOT&PF*

General Framework for Designing Bridges for Service Life

*Atorod Azizinamini, FIU*

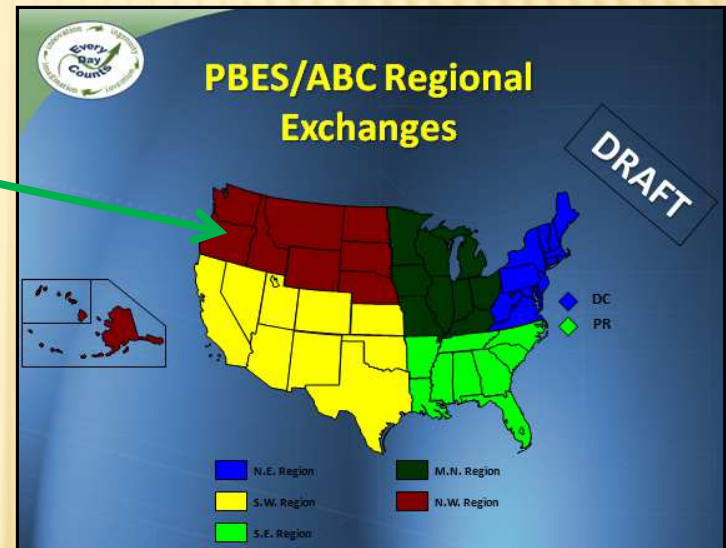
*Bruce Johnson, Oregon DOT*

Discussion on ABC Needs



# Upcoming FHWA Regional Peer-to-Peer Exchanges

- **Northwest Region**  
November 13-16, 2012  
Seattle, Washington
- **Southeast Region**  
Date & Location TBD



## Past PBES/ABC Regional P2P Exchanges:

SW Region, Feb. 2012; Mid-North Region, May 2012;  
NE Region, July-Aug. 2012

For more information, contact Ben Beerman, FHWA:  
[Benjamin.Beerman@dot.gov](mailto:Benjamin.Beerman@dot.gov)

# Upcoming Oregon DOT UHPC Deck Panel Closure Placement

- **Project:** Burnt River and UPRR Bridge (HfL project)
- **Location:** Huntington Highway, Baker County, Oregon  
(about 30 minutes north of Ontario, OR)
- **Tentative Date:** October 1, 2012
- **Activity:** Placement of UHPC in deck panel joints
- **Webinar:** To be scheduled in the near future through FHWA

For more information, contact Teresa Bock, Ass't. Project Mgr.  
Phone: [541-823-4026](tel:541-823-4026) (updates and questions)



# Upcoming Industry Events

## **2012 National Bridge Conference (NBC) – Nashville, TN**

September 29 – October 2, 2012

Sponsored by Precast/Prestressed Concrete Institute (PCI)

<http://pciconvention.org/2012/>

### **Example NBC Sessions with ABC presentations:**

- Performance-Enhanced Concrete Bridges
  - **Full-depth precast decks; lightweight concrete**
- Evaluating Design Assumptions – Part 2
  - **ABC using precast inverted T-beam concept**
- Project Case Studies
  - **NEXT beam and box beam bridges**
- Emerging Bridge Technologies – Part 2
  - **Deck panels, deck bulb tee girder bridge, PBES connections**

**PCI Committee on Bridges: Friday, September 28**

# Upcoming 2013 Industry Events

## **Composites 2013 Conference – Orlando, FL**

January 29-31, 2013

Sponsored by the American Composites Manufacturers Association (ACMA)

<http://www.compositesshow.org/>

**Call for Presentations:** Deadline has past

If interested in submitting a technical paper or educational session, contact before the end of September:

**Lori Bocek**, Assistant Manager, Conferences & Marketing Meetings & Education Department

American Composites Manufacturers Association

Phone: **703-682-1655**

Email: [lbocek@acmanet.org](mailto:lbocek@acmanet.org)

# Upcoming 2013 Industry Events

## **2013 Design-Build in Transportation – Orlando, FL**

March 18-20, 2013

Sponsored by Design-Build Institute of America (DBIA)

<http://www.dbia.org/>

## **Call for Presentations**

Deadline for submission: **Extended to September 17**

[https://www.dbtranspo.com/call\\_for\\_papers.cfm](https://www.dbtranspo.com/call_for_papers.cfm)



# Upcoming 2013 Industry Events

**International Bridge Conference (IBC) – Pittsburgh, PA**

June 2-5, 2013

Sponsored by Engineers' Society of Western Pennsylvania

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

## **Call for Presentations**

Proposed topics include: **Accelerated Bridge Construction**

Deadline for submission: October 1, 2012

Call for abstracts:

[http://www.eswp.com/bridge/bridge\\_abstract.php](http://www.eswp.com/bridge/bridge_abstract.php)

Call for workshops:

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

Cori Stellfox, Conference Manager

[c.stellfox@eswp.com](mailto:c.stellfox@eswp.com)

# Upcoming 2013 Industry Events

**Third Orthotropic Bridge Conference – Sacramento, CA**

June 25-29, 2013

Sponsored by Sacramento Section of ASCE

<http://www.orthotropic-bridge.org/>

## **Call for Abstracts**

Deadline for submission: September 15, 2012

Submit abstracts by email to

[Abstract\\_3OBC\\_ASCE@hotmail.com](mailto:Abstract_3OBC_ASCE@hotmail.com)

# Upcoming International Events

## **1st International Highway Technology Summit: Innovative Approaches and Best Practice – Beijing, China**

April 17-19, 2013

Sponsored by China Highway and Transportation Society

Co-Sponsored by Transportation Research Board

<http://www.chinahighway.com/news/2012/684771.php>

500-word-maximum abstracts are still being accepted

Submit abstracts to Nina Guan at

[ninee818@hotmail.com](mailto:ninee818@hotmail.com)

### **Deadlines:**

- Abstracts September 15, 2012
- Acceptance of abstracts October 30, 2012
- Deadline for final papers January 15, 2013



# **New Link on ABC Center Home Page**

**<http://www.abc.fiu.edu/>**

**“Upcoming Events & Activities”**

# Next Webinar

Thursday, October 18, 2012 (1:00 – 2:00 p.m. Eastern)

## Featured Presentation

# Economical Details over Piers Using Simple-for-Dead-Load & Continuous- for-Live-Load Design

Speaker TBD

To register, visit

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

# Industry Resources

**For resources related to concrete bridges, visit:**  
<http://www.nationalconcretebridge.org/>

**For resources related to steel bridges, visit:**  
<http://www.steelbridges.org>

**For resources related to composite bridges, visit:**  
<http://www.acmanet.org/dac/tsc.cfm>



# If you wish to receive one-hour PDH

Send an email to

**abc@fiu.edu**

State that you attended the September 13, 2012 webinar

Give first and last name of everyone  
at your site who wishes to receive PDHs

Please do not send request to  
any other email account