

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

## **Featured Presentation: Lightweight Concrete for Accelerated Bridge Construction**

**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)**

**July 14, 2011 – 1:00 p.m. to 2:00 p.m. Eastern**

# Webinar Agenda

**ABC Announcements** (10 minutes)

**Featured Presentation** (35 minutes)

**Lightweight Concrete for Accelerated Bridge Construction**

Reid W. Castrodale, Ph.D., P.E., Director of Engineering  
Carolina Stalite Company, Salisbury, North Carolina

**Question and Answer** (15 minutes)

**Please email your questions to [abc@fiu.edu](mailto:abc@fiu.edu)**

# Next Webinar

Thursday, August 25, 2011 (1:00 – 2:00 p.m. Eastern)

## Featured Presentation

### *A Planning Phase Decision Tool for Accelerated Bridge Construction*

Benjamin Tang, P.E., Preservation Managing Engineer, Bridge Engineering Section, Oregon Department of Transportation

To register, visit

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

for instructions

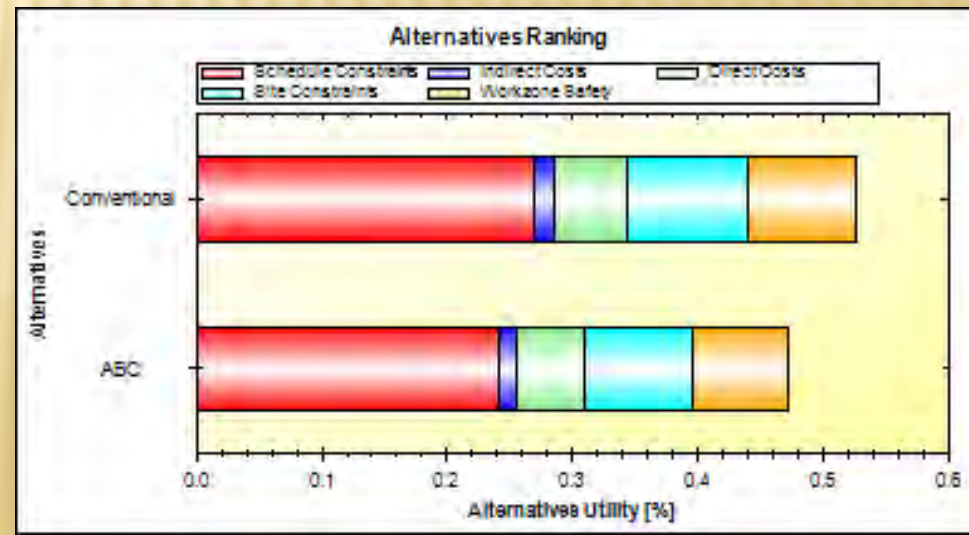
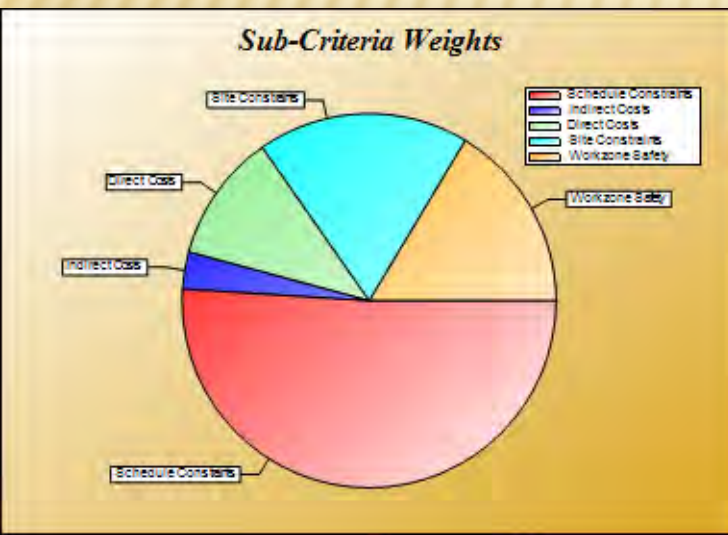
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# Upcoming Events



## MassDOT Fast 14 Showcase July 16-17, 2011

- 14 bridges on I-93 replaced in summer 2011
- Innovative technologies include ABC, PBES, D/B, & I/D
- 2-day event: field trip to construction site & 1-day workshop with presenters from MassDOT, FHWA & project contractors



# Upcoming Events



## **MassDOT Fast 14 Showcase** **July 16-17, 2011**

**Seaport Hotel**  
**1 Seaport Lane**  
**Boston, MA 00210**

**To Register visit**  
**<http://www.pdshowcase.org/>**

# Upcoming Events

(<http://www.fhwa.dot.gov/bridge/abc/events.cfm>)

## **Illinois/Missouri ABC/PBES Workshop**

July 20 -21, 2011

## **SHRP2 Iowa ABC/PBES Showcase**

October 6, 2011 (Tentative)

## **FHWA ABC National Conference**

Minneapolis, MN

Later part of 2012



# Upcoming Webinars

(<http://www.fhwa.dot.gov/bridge/abc/events.cfm>)

## **FHWA ABC/PBES 2-Day Webinar Training**

12 Training Modules on ABC/PBES

August 16-17 , 2011

## **Highways for LIFE Innovations Series**

PC Bent Systems for Use in High Seismic Regions

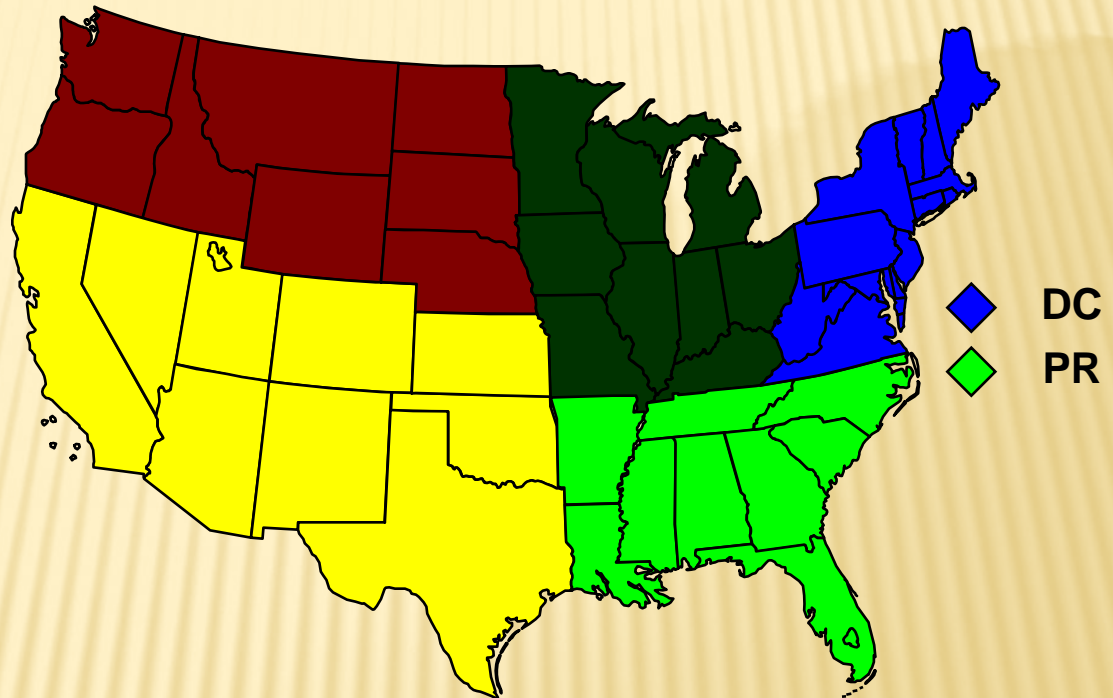
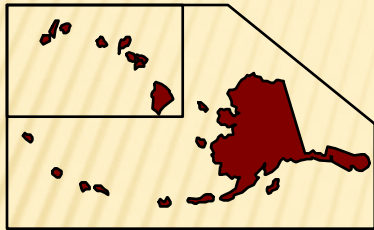
August 18, 2011 2:30 – 4:00 PM Eastern

[http://www.fhwa.dot.gov/hfl/innovations/pbs\\_webinar.cfm](http://www.fhwa.dot.gov/hfl/innovations/pbs_webinar.cfm)



# ABC/PBES

## Peer-to-Peer Exchanges



### Schedule:

- 2 in 2011
- 3 in 2012

East Region

S.W. Region

S.E. Region

M.N. Region

N.W. Region

DC

PR

## Accelerated Bridge Construction



### Project Planning



Decision Making Framework

Environmental Process

Innovative Contracting

Right-of-Way/Utilities

### Foundation and Wall Elements



Continuous Flight Auger Piles

Geosynthetic Reinforced Soil (GRS) Integrated Bridge System

### Rapid Embankment Construction



EPS Geofoam

### Prefabricated Bridge Elements & Systems



Prefabricated Elements

Prefabricated Systems

### Structural Placement Methods



Self-Propelled Modular Transporters (SPMTs)

Longitudinal launching

Horizontal sliding or skidding

Other heavy lifting equipment & methods



Sign up to receive ABC Notices | Events

<http://www.fhwa.dot.gov/bridge/abc>

# September ABC Center Webinar

Thursday, mid-to-late September, 2011  
1:00 – 2:00 p.m. Eastern

**Featured Presentation  
on full-depth precast  
deck panels  
(research, design,  
details, construction)**



Check [www.abc.fiu.edu](http://www.abc.fiu.edu) for upcoming details

# Industry Resources

**For calendar of upcoming concrete and bridge events,  
see:**

**<http://www.nationalconcretebridge.org/calendar.html>**

**For resources related to steel bridges, visit:**

**<http://www.steelbridges.org>**

# Acknowledging webinar organizers

**Mary Lou Ralls, P.E.  
Ralls Newman, LLC**

**Kevin Thompson, P.E.  
Arora and Associates, PC**

**Atorod Azizinamini, Ph.D., P.E.  
Florida International University**

# If You Wish to receive One Hour PDH

Send an email to

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State that you attended the July 14, 2011 webinar

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