Welcome to Webinar on Accelerated Bridge Construction

**NCHRP 12-98, Part 2: Dynamics of Bridge Systems**

Sponsored by

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

Website: abc-utc.fiu.edu
Email: abc@fiu.edu

July 20, 2017 – 1:00 p.m. to 2:00 p.m. Eastern
Today’s Webinar

ABC Announcements (10 minutes)
Featured Presentation (35 minutes)

NCHRP 12-98, Part 2: Dynamics of Bridge Systems

Michael P. Culmo, P.E., Vice President of Transportation & Structures, CME Associates Inc.; and Principal Investigator for NCHRP 12-98 Research Project

Question and Answer (15 minutes)

Please post your questions in the question box
2017 Conference Update
Conference Co-Sponsors

- FHWA
- 30 State DOTs
- TRB
2017 Conference at a Glance

Wednesday, December 6
Eleven (11), four-hour workshops

General Session
Thursday, 8:15–10:15 a.m.
Keynote Speaker – Secretary of Transportation – Elaine Chao (Invited)

Thursday and Friday
120 Technical Presentations

Breakfast at Exhibit Hall
Thursday and Friday, 7:00–8:15 a.m.

Reception in Exhibit Hall
Thursday, 6:00–7:30 p.m.

Spouse Program
Thursday, 8:00 a.m. to 4:00 p.m.
# Pre-Conference Workshops

<table>
<thead>
<tr>
<th>No.</th>
<th>Time</th>
<th>Workshop Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>a.m.</td>
<td>Implementation of the new AASHTO Guide Specifications for ABC</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>Lightweight Concrete – A Tool for Accelerated Bridge Construction</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Programmatic Approach to Accelerated Bridge Construction</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Ultra-High Performance Concrete Connections for Prefabricated Bridge Elements</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Foundation Re-use for ABC Projects</td>
</tr>
<tr>
<td>6</td>
<td>p.m.</td>
<td>Proven Advanced Technologies Initiative</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>Self-Propelled Modular Transporters for ABC Trends, Challenges, and Future Activities</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>Today’s Precast, Prestressed Concrete Bridge Design</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>Recent Developments in Steel ABC Applications</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>Innovative Bridge Designs for Rapid Renewal, SHRP2 R04 ABC Toolkit</td>
</tr>
<tr>
<td>11</td>
<td></td>
<td>Accelerated Bridge Construction in Seismic Regions</td>
</tr>
</tbody>
</table>

Note: **a.m.** = 8:00 a.m. to noon; **p.m.** = 1:00-5:00 p.m.
Call for Award Nominations
Deadline: September 15, 2017

Award Categories:
- Most Influential Person Contributing to the Cause and Implementation of ABC
- Best ABC Project in the following categories:
  - Lateral Slide Technology
  - Self-Propelled Modular Transporters
  - Prefabricated Bridge Elements and Systems
  - Emergency

Judges:
- Carmen Swanwick, Utah DOT, Chair
- Benjamin Beerman – FWHA
- Bruce Johnson – Oregon DOT
- Ahmad Abu-Hawash – Iowa DOT
- Corey Rogers – Michigan DOT
- William Oliva – Wisconsin DOT

- Obtain nomination form online
- Submit to Atorod Azizinamini at aazizina@fiu.edu

Submission deadline: September 15, 2017
Many art shows and other activities take place in Miami in December. We strongly encourage you to reserve your hotel room at special conference rate by visiting www.abc-utc.fiu.edu soon, while rooms are available.
Exhibit Booths are available (about 20 booths still available)

Visit www.ABC-UTC.fiu.edu to reserve
Travel Scholarships
State DOT, county engineers, and other bridge owners interested in receiving travel scholarships should send an email to Atorod Azizinamini at aazizina@fiu.edu with the following information:

1. Name and affiliation
2. Job title
3. Reason attending the Conference
4. Whether you are planning to use ABC in the near future
Expenses Covered by Travel Scholarships

- Four nights of stay at conference hotel – Hyatt Regency DT
- Registration to attend workshops – Wed., Dec. 6
- Registration to attend conference – Thurs.- Fri., Dec. 7-8
- Airline ticket
- Transportation from airport to hotel and back
- Per diem based on Florida government rate
2018 TRB Annual Meeting

Call for ABC Papers – due August 1

http://annualmeeting.mytrb.org/CallForPapers/Details/467

Call For Papers Details

Authors interested in submitting papers are advised to check the Paper Author Resource Page and read Writing a Paper for TRB and Submitting a Paper to TRB. Authors submitting papers in response to this Call for Papers should submit full papers for peer review to the Transportation Research Board online at www.TRB.org/AnnualMeeting. Paper submission is open from June 1 to August 1. The paper submission website will close when it is no longer August 1 anywhere in the world. When submitting please indicate the Call for Papers title on the papers submission form. Please contact the Call for Papers organizer if you need additional information.

Paper Author Warning – It is critical that you check the Paper Author Resource Page and read Writing a Paper for TRB and Submitting a Paper to TRB. Remember after August 1 there are no second chances – be very careful with your paper submission.

To submit a paper, please visit the MyTRB Annual Meeting Paper Submission page.

Call For Paper Title

Accelerated Bridge Construction: technologies and strategies to reduce overall project delivery and on-site impacts

Call Description

A paper session focused on research and current topics regarding the use of Accelerated Bridge Construction (ABC) technologies and strategies is proposed. These methods are becoming more popular with owner agencies due to the benefits they can provide with the delivery of the bridge program. Adopting ABC methods into a project, or into a program of projects, can help owners who are faced with the need to reduce onsite disturbances in order to address existing traffic conditions and other site-related constraints, such as limited access; right-of-way; utilities; and other environmental and permitting needs.

The use of prefabricated bridge elements and systems (PBES) technologies, when used with other ABC strategies, can result in reductions to onsite impacts and improvements in construction efficiencies, safety and durability. A specific focus on ABC technologies and strategies in the areas of policy adoption and planning, public communication, engineering and materials, and construction and contracting is sought.
Call for Award Nominations

2017 National ABC Conference – Miami, FL

Award Categories:
- Most Influential Person Contributing to the Cause and Implementation of ABC
- Best ABC Project in the following categories:
  - Lateral Slide Technology
  - Self-Propelled Modular Transporters
  - Prefabricated Bridge Elements and Systems
  - Emergency

Judges:
- Carmen Swanwick, Utah DOT, Chair
- Benjamin Beerman – FWHA
- Bruce Johnson – Oregon DOT
- Ahmad Abu-Hawash – Iowa DOT
- Corey Rogers – Michigan DOT
- William Oliva – Wisconsin DOT

- Obtain nomination form online at www.abc-utc.fiu.edu
- Submit to Atorod Azizinamini at aazizina@fiu.edu

Submission deadline: September 15, 2017
ABC-UTC
Quarterly Research Seminar
Thursday, August 3, 2017 – 1:00-2:00 pm Eastern

Extending Application of Simple for Dead Load and Continuous for Live Load (SDCL) to High Seismic Areas

ABC-UTC / Florida International University

Researcher Team Presenters:
• Atorod Azizinamini, Ph.D., P.E., ABC-UTC Director; Professor and Chair, Civil and Env. Engr. Dept., FIU
• Amir Sadeghnejad, Ph.D. Candidate, FIU

Online registration is open at ABC-UTC@fiu.edu
Upcoming Events

*Every Day Counts Webinar Series:*
Ultra-High Performance Concrete for Prefabricated Bridge Elements
Sponsored by Federal Highway Administration (FHWA)

**Webinar 6 of 6:**

*UHPC for PBE Connections:*
*Pulaski Skyway – Owner’s Perspective*

August 15, 2017 – 1:00-2:30 pm EST

To register, go to the following link:
ABC-UTC In-Depth Web Training

Utah DOT’s Accelerated Bridge Program

Tuesday, September 12, 2017
11:00 a.m. to 3:00 p.m. Eastern

Six 40-minute modules
ABC-UTC In-Depth Web Training
Sept. 12, 11:00 a.m. to 3:00 p.m. Eastern

<table>
<thead>
<tr>
<th>Module</th>
<th>Module Title</th>
<th>Speaker</th>
</tr>
</thead>
</table>
| 1      | Introduction and ABC Program                 | Carmen Swanwick, P.E.  
Chief Structural Engineer  
Utah DOT |
| 2      | Structures Design and Detailing Manual - ABC Aspects | Cheryl Hersh Simmons, P.E.  
Structures Design Manager  
Utah DOT |
| 3      | Fabricator and Contractor Perspectives       | Lee Wegner, Sales/Project Mgmt,  
Forterra Structural Precast; and  
Eric Wells, Area Manager,  
Granite Construction, Inc. |
| 4      | Performance History and Lessons Learned      | Mike Culmo, P.E., Vice President  
of Transportation & Structures,  
CME Associates Inc. |
| 5      | Project Highlights                           | Cheryl Hersh Simmons, P.E.                                             |
| 6      | Project Highlights                           | Carmen Swanwick, P.E.                                                  |
ABC-UTC In-Depth Web Training

Utah DOT’s Accelerated Bridge Program

Tuesday, September 12, 2017
11:00 a.m. to 3:00 p.m. Eastern

Free Online Registration to open soon at:

abc-utc.fiu.edu
Upcoming Events

https://abc-utc.fiu.edu/events/

---

Events

July 20, 2017
NCHRP 12-98, Part 2: Dynamics of Bridge Systems

August 1, 2017
Call for Papers - Submission Deadline - 2018 TRB Annual Meeting - Washington, D.C.

August 3, 2017
Research Seminar: Extending Application of Simple for Dead Load and Continuous for Live Load (SDCL) to High Seismic Areas
Next Webinar
Thursday, August 10, 2017 (1:00 – 2:00 p.m. Eastern)

Featured Presentation

87-Hour Bridge Construction in Arizona: ABC & ARC at the Speed of Commerce
by
Annette Riley, P.E., Assistant Division Administrator, Infrastructure Delivery and Operations Division, Arizona DOT;
Kevin Kimm, P.E., Senior Structural Engineer, Kimley-Horn and Associates; and Reece Green, Project Manager, Pulice Construction, Inc.

To register, visit: www.abc-utc.fiu.edu
Today’s Webinar

ABC Announcements (10 minutes)
Featured Presentation (35 minutes)

NCHRP 12-98, Part 2: Dynamics of Bridge Systems

Michael P. Culmo, P.E., Vice President of Transportation & Structures, CME Associates Inc.; and Principal Investigator for NCHRP 12-98 Research Project

Question and Answer (15 minutes)

Please post your questions in the question box