

**Welcome to Webinar on
Accelerated Bridge Construction**

**Accelerated Bridge Construction
in New York State**

Sponsored by

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



Website: abc-utc.fiu.edu

Email: abc@fiu.edu

October 20, 2016 – 1:00 p.m. to 2:00 p.m. Eastern

Today's Webinar

ABC Announcements (10 minutes)

Featured Presentation (35 minutes)

Accelerated Bridge Construction in New York State

Richard Marchione, P.E., Deputy Chief Engineer - Structures, NYSDOT; **Mathew Royce, P.E.**, Director, Structures Design Quality Assurance Bureau, NYSDOT; & **John Neidhart, P.E.**, Supervisor, Bridge Foundation and Construction Support Unit, Office of Structures, NYSDOT

Question and Answer (15 minutes)

Please post your questions in the question box

Mark Your Calendar

2017 National Accelerated Bridge Construction Conference

December 7 and 8, 2017: Conference

December 6: Workshops

Miami, FL



Abstract submission is now open
Submit your abstract online

Visit: www.abc-utc.fiu.edu

Submission Deadline: January 20, 2017

2017 National ABC Conference Co-Sponsors

Federal Highway Administration

New Hampshire Department of Transportation

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Virginia Department of Transportation

Maine Department of Transportation

Washington State Department of Transportation

Michigan Department of Transportation

West Virginia Department of Transportation

Minnesota Department of Transportation

Wisconsin Department of Transportation


Missouri Department of Transportation

Wyoming Department of Transportation

Nebraska Department of Roads

- **Travel scholarships will be developed to assist bridge owners to attend the Conference**
- **Opportunities exist to exhibit and showcase your bridge-related products and services**
- **Awards will be given to best ABC projects in several categories as well as ABC person of the year**
- **Block of room will be available at Conference rate**

Visit www.abc-utc.fiu.edu for more information



**This Conference is approved
Continuing Educational Credit
by**

Florida and New York

**Boards of Professional
Engineers**

ABC-UTC Graduate Student Seminar

Friday, October 28, 2016 (1-2 pm Eastern)

Emerging Alternatives for ABC in High Seismic Zones

Performance of Bridge Column-Pile-Shaft Pin Connections for Application in ABC

by

Mehrdad Mehraein, Ph.D.
UNR Graduate and former UNR Research Assistant
Structural Engineer, Gandhi Engineering, New York, NY
(Ph.D., May 2016)



Design for Disassembly: Towards the Resilient and Sustainable ABC of the Future

by

Sebastian Varela, Ph.D.
UNR Graduate and former UNR Research Assistant
Engineer III-Structural, Freese and Nichols Inc., Fort Worth, TX
(Ph.D., May 2016)



Register at <http://abc-utc.fiu.edu/>

Upcoming ABC Activities at TRB Annual Meeting

January 8-12, 2017 – Washington, DC

Workshop: Latest Accelerated Bridge Construction Innovations from Research

*Sponsored by TRB ABC Subcommittee
of Structures Section & Construction Section
Sunday, 9 am - 12 pm, January 8, 2017*

- Deciding ABC vs. Conventional Methods of Construction
- ABC Project and Research Databases
- Closure Joint Alternatives for ABC Projects
- Integral Abutment Details for ABC Projects
- Prefabricated Railing Systems for ABC Projects
- ABC-UTC Seismic Performance Studies of Precast Bridges from Connections to Components to Bridge Systems

Upcoming ABC Activities at TRB Annual Meeting

January 8-12, 2017 – Washington, DC

Workshop: Seismic Design and Accelerated Bridge Construction

*Sponsored by Committee on Seismic Design and Performance of Bridges;
and TRB ABC Subcommittee of Structures Section & Construction Section*
Sunday, 1:30 - 4:30 pm, January 8, 2017

- Connections for Accelerated Bridge Construction of Jointless Bridges in Seismic Regions
- Self Centering Precast, Prestressed Bridge Columns
- ABC Connections
- Seismic Design for ABC

Upcoming ABC Activities at TRB Annual Meeting

Workshop: Performance of Accelerated Concrete: Practical Applications and How They are Working, Part 1

Sponsored by Committees on Durability of Concrete; Construction of Bridges and Structures; Concrete Pavement Construction and Rehabilitation; Basic Research and Emerging Technologies Related to Concrete; Properties of Concrete; Concrete Materials and Placement Techniques

Sunday, 9 am - 12 pm, January 8, 2017

- What Transportation Agencies are Facing with Accel. Const.
- Quantifying Combined Effects of Curing, Cracking & Chloride Ingress in Accelerated Concrete Mixtures
- Rapid Concrete Pavement Repairs at Mnroad Test Facility
- Accelerated Repair of Airfield PCC Pavements using Rapid-Setting Concretes & Precast Slabs
- Performance Of Accelerated Concrete Closure Placements for Precast Concrete Pavement Repairs

Upcoming ABC Activities at TRB Annual Meeting

Workshop: Performance of Accelerated Concrete: Practical Applications and How They are Working, Part 2

Sponsored by Committees on Durability of Concrete; Construction of Bridges and Structures; Concrete Pavement Construction and Rehabilitation; Basic Research and Emerging Technologies Related to Concrete; Properties of Concrete; Concrete Materials and Placement Techniques

Sunday, 1:30 - 4:30 pm, January 8, 2017

- Rapid Concrete Bridge Deck Overlays in Virginia
- Field Trials of Rapid Setting Repair Materials of Bridge Decks in Indiana
- FHWA / Owner / Producer / Contractor / Researcher:
Perspectives On Accelerated Concrete Construction and CIP Accelerated Concrete Durability
- Durability of Accelerated PCC Materials
- Economic Considerations for Accel. Concrete Repair Projects

October 4, 2016 In-Depth Web Training Archives at www.abc-utc.fiu.edu

Tennessee DOT's "Fast Fix 8" Project in Downtown Nashville



Wayne Seger, P.E.
Director
Division of Structures
Tennessee DOT

1. Introduction



Lia Obaid, P.E.
Assistant Director of Construction
Tennessee DOT

2. Construction Management /
General Contractor (CM/GC)
Project Delivery



Terry Mackie
(formerly with Tennessee DOT)
Jones Bros., Inc.

3. Jo Johnston Avenue Bridge

4. Herman Street Bridge

&



Ted Kniazewycz, P.E.
Senior Bridge Engineer
Gresham, Smith and Partners

5. Clinton & CSXT Bridges

6. Charlotte Avenue Bridge
& Lessons Learned

Next Webinar

Thursday, November 17, 2016 (1:00 – 2:00 p.m. Eastern)

Featured Presentation

West Virginia's Basnetville Bridge Lateral Slide

by

Steven Jarrell, Bridge Project Manager, West Virginia DOT;
Jeffrey Gola, P.E., Project Manager, Thrasher Engineering; &
Jason Nelson, P.E., District 4 Construction Engineer, West
Virginia DOT

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

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