

Tentative Program

Wednesday, August 17, 2016

11:00 – 12:15 pm

Registration (Foyer)
Lunch on your own

11:00 – 6:00 pm

Trade Show / Refreshments (Ballroom IV and Foyers)

Ballroom I, II and III

12:15 pm

Welcome & Kick-Off

Many thanks to the conference committee for their assistance in providing the presentations contained in this program.

Scott Coleman, PE, PS, Logan County Engineer, CEAO Bridge Committee Co-Chair

Warren Schlatter, PE, PS, Defiance County Engineer, CEAO Bridge Committee Co-Chair

12:20pm - 1:10pm

HAS-799-03.90/04.52: ODOT's First Project with Carbon Fiber Prestressing Strands*

Dan Springer, PE, PMP, Project Manager / Bridge Engineer, LJB Inc.

Amy Moore, PE, Bridge Engineer, LJB Inc.

Dan Renaud, Project Manager, Prestress Services Industries LLC

This session presents the management and unique design /fabrication challenges for the first ODOT project that utilizes carbon fiber prestressing strands. The LJB/PSI team worked closely with ODOT OSE, District 11 and Tokyo Rope to complete the complex design/fabrication of a prestressed concrete box beam bridge with non-conventional materials.

1:10pm – 2:00pm

Ohio's Covered Bridges: Preserving our Heritage for the Future*

James Fleeman, EI, SI, Assistant Engineer, Monroe County Engineer's Office

Ron Mattox, PE, Transportation Practice Leader, Woolpert Inc.

Tom Less, PE, Team Leader / Bridge Engineer, Woolpert Inc.

Brad Nadolson, PE, President, The Righter Company Inc.

Overview of the Foraker Covered Bridge Rehabilitation project from grant application through design and construction, from the owner, consultant, and contractor perspectives. Emergency repairs on the Knowlton Covered Bridge and grant application will also be discussed, and progress on a current statewide historic preservation study for fire and vandal protection.

2:00pm - 2:15pm

Statewide Historic Bridge Preservation Awards

Matt Shamis, Chief Bridge Engineer, Federal Highway Administration, Ohio Division

Nancy Campbell, Transportation Reviews Manager, History/Architecture, State Historic Preservation Office, Ohio History Connection

Diana Welling, Department Head, Resource Protection & Review, State Historic Preservation

Erica Schneider, Assistant Administrator, ODOT's Office of Environmental Services

Susan Gasbarro, Team Leader, Cultural Resources, Office of Environmental Services, ODOT

Tom Barrett, Historic Bridge Program Manager, Scenic Byways Coordinator, Office of Environmental Services, ODOT

Monica Bruns, Staff Historian Office of Environmental Services, ODOT

Heidi Harendza, Staff Historian, Office of Environmental Services, ODOT

Michael Audi, Staff Intern, Cultural Resources, Office of Environmental Services, ODOT

**All technical sessions (excluding Historic Bridge Preservation Awards) have been recommended for CPD credit for a maximum of 7.5 CPD hours. Please note that the final determination of what qualifies for CPD credit ultimately lies between the license holder and the State Board of Registration for Professional Engineers & Surveyors.*

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The Ohio Department of Transportation, FHWA, and the State Historic Preservation Office will present the annual Historic Bridge Preservation Awards. The agencies will honor recent efforts that rehabilitate historic bridges, keep historic structures in service, or reuse and preserve them at a new location. Context-sensitive bridge designs and sustainable practices which incorporate aesthetic elements and components of older bridge types are also eligible for the award.

The Historic Bridge Awards are part of the *Section 106 Programmatic Agreement* which streamlines the environmental process for all types of common federal transportation projects. It also incorporates identification, and protection of historically significant resources, including the preservation of historic bridges.

2:15pm – 2:50pm

Break – **Trade Show** (Ballroom IV and Foyers)

2:50pm – 3:40pm

Simplified Bridge vs. Design Build Method of Bridge Project Delivery*

Panelists:

Mike Bline, PE, Bridge Engineer, Licking County Engineer's Office

Brett Boothe, PE, PS, Gallia County Engineer

Jim Henry, PE, PS, E.P. Ferris and Associates, Inc.

Bob Klaiber, PE, PS, Assistant County Engineer, Lorain County Engineer's Office

This session will clarify the differences between the simplified bridge method and the design-build method for progressing bridge projects through the project development process. It will also discuss when each method is most appropriate, and the advantages and disadvantages of each using real life examples. Also included will be a brief demonstration of how to complete the simplified bridge template.

3:40pm – 4:30pm

Creativity and Innovation Bring a Distinctive Solution to the Eldean Road Widening and Railroad Bridge Replacement Project in Miami County *

Nabil Farah, PE, Ohio Bridge Team Leader, TranSystems

Thomas Taylor, IV, PE, Ohio Rail Team Leader, TranSystems

Brooks Vogel, PE, LEED AP, Partner / Transportation Group Leader, Korda

A collaborative approach between Korda, TranSystems, Miami County Engineer, ODOT and CSX addressed numerous challenges to provide a cost-effective replacement for a vertical clearance-deficient railroad structure. Avoiding a costly railroad shoo-fly and alignment change, the solution minimized railroad disruption, right-of-way impacts and construction duration. 2016 ODOT Conaway Partnering Award winner.

4:30pm – 6:00pm

Trade Show and Reception (Ballroom IV and Foyers)

We encourage you to visit our exhibitors and thank them for their support of our conference.

Refreshments will be served.

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Thursday, August 18, 2016

7:30am – 8:30am

Continental Breakfast – Foyer

8:30am – 9:20am

ORIL Updates*

Dr. Eric Steinberg, PhD, PE, Professor, Civil Engineering, Ohio University

Warren Schlatter, PE, PS, Defiance County Engineer, CEAO Bridge Committee Co-Chair

9:30am – 10:00am

Special Haul Vehicle Load Rating Update*

Amjad Waheed, PE, Assistant Administrator, Office of Structural Engineering, ODOT

10:00am -10:15am

Break

10:15am – 10:45am

What to Know Before You Get in the Water*

Chantil Milam, Sr. Environmental Scientist, Lawhon and Associates, Inc.

Jeff Gordon, Ecologist, Lawhon and Associates, Inc.

Instream work often entails unavoidable impacts to eco resources and aquatic habitats including threatened and endangered species habitat. What should you be concerned about and how do you plan accordingly? The presentation will provide an overview of ecological resources associated with streams and what they may mean to your project.

10:45am – 11:15am

Lateral Bridge Slide: I-75 over US 6*

Bob Beasley, PE, Ohio Bridge Group Manager, ARCADIS U.S., Inc.

The twin bridges on I-75 over US 6 were constructed as a pilot project for ODOT utilizing Accelerated Bridge Construction. To minimize disruption to traffic, the new substructures were constructed underneath the existing bridges and the new superstructures were constructed offline adjacent to the existing bridges. During two weekend closures, the existing bridges were demolished and the new superstructures were slid into place using the Lateral Bridge Slide Method.

11:15am – 11:45am

Accelerated Bridge Construction Techniques Delivers SR 288 Bridge in Seven Days*

Nikki Bedillion, PE, Senior Associate, JMT

JMT designed a 78'-0" long rolled steel beam structure on integral abutments using multiple accelerated bridge construction techniques. An hourly construction schedule and innovative bidding proved to be successful. The winning contractor bid 9 days and built it in 7 days, making this project a success for the traveling public.

11:45am

Lunch – Pavilion

12:00pm – 12:30pm

Luncheon Key Note: Marion County 141 Steel Truss Replaced with Covered Bridge*

Brad Irons, PE, PS, Marion County Engineer

Phil Wright, PE, SI, Deputy Engineer, Marion County Engineer's Office

This presentation will be an overview of Marion County's replacement of a historic 190' Parker "Camelback" thru truss structure over the Olentangy River with a new authentic Pratt Truss timber covered bridge. The new bridge in addition to being beautiful is also capable of handling all modern loads and providing for all legal clearances.

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