

Tentative Program

Tuesday, August 21, 2018

11:00 – 12:15 pm

Registration (Foyer)
Lunch on your Own

11:00 – 6:00 pm

Trade Show / Refreshments (Foyer / Ballroom IV)

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 – 12:35pm

CEAO Update / Bridge Initiatives*

Dean C. Ringle, PE, PS, Executive Director, CEAO

The latest news updates on our County Bridge programs, inspections, funding, design and construction methods.

12:35pm – 1:25pm

Putnam County PUT M-6 5.75 Historic Bridge Rehabilitation Project*

Michael Lenhart, PE, PS, Putnam County Engineer

Derek Heitzman, PE, PS, Deputy Engineer, Putnam County Engineer's Office

Rod LeMasters, PE, LeMasters Engineering, LLC

Putnam County Bridge M6-5.75 (Mallaham Bridge) Rehabilitation and Historic Preservation project of an 1876 David Morrison Patent Wrought Iron Bowstring Truss Bridge. The discussion will include the estimating, TAP funding, design, environmental coordination, construction, and the lessons learned through each phase of the process.

1:25pm – 1:55pm

Showing the Value in Bridge Preservation*

David Juntunen, PE, The Kercher Group, Inc.

Bridge preservation includes cyclic maintenance and condition based maintenance activities that are done to bridge components when they are in good or fair condition to slow the bridge deterioration rate and preserve them as long as possible. This presentation will show simple ways to measure the effectiveness of preservation and demonstrate its cost effectiveness.

1:55pm - 2:15pm

Statewide Historic Bridge Preservation Awards

Awards Committee:

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

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

**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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*Diana Welling, Department Head, Resource Protection & Review, State Historic Preservation
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
Mary Rody, Project Reviews Manager, State Historic Preservation Office
Monica Bruns, Staff Historian Office of Environmental Services, ODOT
Heidi Harendza, Staff Historian, Office of Environmental Services, ODOT*

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 – 2:45pm

Break – Trade Show (Foyer / Ballroom IV)

2:45pm – 3:15pm

Washington Street Underpass*

Sarah Czaplicki, PE, SE, Director of Major Projects and Programs, Patrick Engineering

Major project for Lake County, IL DOT - 1.5-mile corridor improved as a five-lane highway with grade separation at railroad crossing, improved intersections and aesthetic treatments. Bridge: single span ballast deck through plate girder superstructure and over 2,000 feet of retaining walls. Presentation: drone flyover video / time-lapse of project.

3:15pm – 4:30pm

“Ask the Experts” Panel*

Moderator: Brion Rhodes, PE, PS, Allen County Engineer

Panelists:

Tim Keller, PE, Administrator, Office of Structural Engineering, ODOT

Jim Wiechart, PE, PS, Mercer County Engineer

Dan Medeiros, Construction Administrator, Montgomery County Engineer’s Office

Mark Sherman, PE, Project Development Director, American Structurepoint

Curtis Wood, PE, Senior Structural Engineer, E.L. Robinson Engineering

Sean Wade, PE, Head Estimator, Eagle Bridge

This panel includes perspectives from state and county engineers, design engineers, and contractors. These professionals will discuss a variety of topics affecting the bridge industry in Ohio with ample opportunity for Q & A so bring your questions for the panel.

4:30pm – 6:00pm

Trade Show and Reception (Foyer / Ballroom IV)

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

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Wednesday, August 22, 2018

7:30am – 8:30am **Continental Breakfast – Foyer**

8:30am – 9:20am **Hazards in Bridge Work***

Kimberlie Mitchem, Senior Compliance Safety and Health Officer, Ohio Public Employment Risk Reduction Program (PERRP)

Tim Clay, Industrial Safety Consultant Specialist, Division of Safety and Hygiene, Ohio BWC

This presentation will focus on safety and health hazards associated with bridge work including: Fall Hazards: when is fall protection required and various fall protection options; Confined Spaces: what is a confined space and how do you protect your employees; Respirator Protection: what hazards are developed by the bridge project itself; and Silica: the PEL has changed and it could make a big difference.

9:30am-10:00am **Design Build Bridge Replacements in Pickaway County***

Anthony Neff, PE, PS, Chief Deputy Engineer, Pickaway County Engineer's Office

Lisa Zigmund, PE, Director, Construction Administrative Services, PRIME Construction Management and Survey

Bridge rehabilitation and replacement projects in Pickaway County, Ohio. The focus will be on a Design Build bridge replacement of a 310' long bridge over two Railroads. Topic will include the unique issues of Railroad coordination, issues and documentation requirements.

10:00am-10:15am **Break**

10:15am-11:05am **Smothers Road over Hoover Reservoir: Perspectives on Ohio's Longest County Route Semi-Integral Bridge***

Mike Killian, PE, Senior Bridge Designer and Project Manager, Burgess & Niple, Inc.

Ed Herrick, PE, Bridge Design Engineer, Franklin County Engineer's Office

Kevin Gothberg, Project Engineer, Kokosing Construction Company, Inc.

In the 1950s, Burgess & Niple (B&N) designed the Hoover Dam and Reservoir, central Ohio's largest source of drinking water, and the Smothers Road Bridge that spans it. Sixty years later, it was time for improvements and the Franklin County Engineer's Office chose B&N to design the replacement and widening of the bridge superstructure and retrofits to the substructure. The specs included an improved safety design as well as a more durable and maintenance-friendly bridge. The bridge improvements were performed by Kokosing Construction Company in 2017. The \$3.5 Million project is one of the State's first to utilize the new Federal-State Exchange program.

This presentation will include all elements of the project process from design through construction from the perspectives of the owner, designer and contractor.

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11:05am-11:35am

AASHTOWare Bridge Rating Software*

David Dibling, PE, Assistant Bridge Engineer, Franklin County Engineer's Office

AASHTOWare bridge rating software is currently being used by ODOT, and will soon be available for Ohio's County Engineers to use in their own offices. This overview will look at the features and capabilities of the software.

11:45am

Lunch – Pavilion

12:00pm-12:50pm

Luncheon Key Note:

Restoration of Early Iron Bridges*

Doug Lockhart, Lead Blacksmith, Lockhart Ironworks LLC

In this riveting presentation, hear and learn from a full-time blacksmith who started using his trade techniques for the repair and restoration of early iron bridges.

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