

Tentative Program

Tuesday, August 20, 2019

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 – 1:10pm

Cincinnati Airport (CVG) Terminal Drive Realignment Structures*

Tom Less, PE, SE, ENV SP, Team Leader/Bridge Structural Engineer, Woolpert

Overview of the structural design, fabrication, and construction for the Cincinnati (CVG) Airport Terminal Dr redesign; while maintaining full traffic. Includes MSE walls, 2-span steel beam unit, 8-span highly curved (200-ft radius) steel plate girder unit, and 4-span prestressed I-beam unit; on partial hammerhead or single-span cap-and-column piers on shafts.

1:10pm-2:00pm

Original Blue Water Bridge Anchor Link Replacement*

Craig Dashner, PE, Construction Manager, OHM Advisors

Thomas Bachmayer, PE, OHM Advisors

This \$3.6 million project included replacing two anchor arm links, pins and bushings while maintaining heavy traffic on this international crossing from Port Huron to Ontario. A unique temporary support system was used to jack and overcome the tensile load on the links, and pin boring required a 0.003" tolerance.

2:00pm-2:20pm

Statewide Historic Bridge Preservation Awards

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

Awards Committee:

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

Mary Rody, Architecture Transportation Reviews Manager, State Historic Preservation Office

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

Monica Bruns, Staff Historian Office of Environmental Services, ODOT

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

**All technical sessions (excluding Historic Bridge Preservation Awards) have been recommended for CPD credit for a maximum of 7.75 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.*

Updated 8-8-19

Tentative Program

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.

2:20pm – 2:50pm

Break – Trade Show (Foyer / Ballroom IV)

2:50pm – 3:40pm

SR 30 Emergency Landslide Repair, When a Plan Comes Together*

Brian Heinzl, PE, Senior Geotechnical Engineer, Gannett Fleming, Inc.

Gary Kowatch, MS, PE, PMP, ENV-SP, Senior Bridge Engineer, Gannett Fleming, Inc.

A significant landslide resulted in the closure of SR 30, a principal artery to Pittsburgh, with more than 30,000 vehicles per day. Gannett Fleming, Inc., developed the design and construction drawings within two weeks requiring the remediation to be complete in 2-3 months. The project schedule required 24/7 operations to remove 35,000 cubic yards of material, construct the anchored wall, and rebuild the 90-foot-high slope with engineered fill materials. In total, the roadway was only out of service for 80 days. The presentation will highlight the cooperation between owner, engineer and construction contractor to minimize the impacts of the landslide on the transportation facility and surrounding community.

3:40pm – 4:40pm

“Ask the Experts” Panel: Bridge Maintenance and Repair*

Moderator: Scott Coleman, PE, PS, Logan County Engineer, CEO Bridge Committee Co-Chair

Panelists:

Bryan Dhume, PE, PS, Madison County Engineer

Mike Loeffler, Bridge Maintenance Engineer, ODOT

Dan Miller, Materials Management, ODOT

Gene Triplett, PE, PS, Meigs County Engineer

These industry professionals will discuss a variety of bridge maintenance and repair topics including re-waterproof, beam repairs, scour repair, timber deck repairs, and utility relocation. There will also be an opportunity for Q & A so bring your questions for the panel.

4:40pm – 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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Updated 8-8-19

Tentative Program

Wednesday, August 21, 2019

- 7:30am – 8:30am **Continental Breakfast – Foyer**
- 8:30am – 9:20am **Geophysical Technologies Eliminate Change Orders Caused by Unknown Subsurface Conditions***
Fred Schoen, PE, Consulting Engineer, CTL Engineering, Inc.
- Geophysical testing techniques have advanced to where they can provide valuable insight into the fundamental geology, hydrogeology, and soil/bedrock conditions of an area. Three of these testing techniques include Electrical Resistivity Imaging or Tomography (ERI/ERT), Refraction MicroTremor (ReMi), and Ground Penetrating Radar (GPR). All three of these techniques can provide the foundation for advancing our understanding of subsurface features, physical properties of geomaterials, detection of subsurface structures, and identifying material boundaries.
- 9:30am-10:20am **Scioto County 132' Single Span Box Beam (Longest Box Beam in Ohio)***
Darren LeBrun, PE, PS, Scioto County Engineer
Tim Sheldon, PE, Bridge Engineer, E.L. Robinson Engineering
Curtis Wood, PhD, PE, Senior Structural Engineer, E.L. Robinson Engineering
- E.L. Robinson Engineering and Kokosing Construction Company replaced a structurally deficient steel truss bridge with a 132' span prestressed box beam bridge. The new structure is the longest span prestressed box beam bridge in Ohio. The Scioto County Engineer procured this project with a design-build contract. This design-build contract format provided the flexibility needed to produce this innovative structure
- 10:30am-11:45am **Box Beam Best Practices Panel***
Moderator: Warren Schlatter, PE, PS, Defiance County Engineer, CEAO Bridge Committee Co-Chair
- Panelists:*
Jeff Schlaegel, Bud's, Inc.
Michael Vogt, PE, Bridge Engineer – Project Manager, E.L. Robinson Engineering
Roy Henson, PE, PS, Bridge Engineer, Warren County Engineer's Office
Mary Ellen Kimberlin, PE, PS, Executive Director, Ohio Prestressers Association
- 11:45am **Lunch – Pavilion**
- 12:00pm-12:30pm **Luncheon Key Note:**
The 12th Street NW Michael J. Rehfus Sr. Memorial Bridge*
Shelly Kendrick, PE, Senior Structural Engineer, Arcadis U.S., Inc.
Dan Moeglin, PE, Canton City Engineer
- The 12th St. NW Bridge is the central key component of Canton's active transportation corridor transformation. With the addition of a multi-use trail underpass, it has become a hub for Canton's bicycle network within the scenic Monument Park area. The bridge was dedicated to the beloved former Stark County Engineer, Michael J. Rehfus, Sr.

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