

Tentative Program  
**Wednesday, April 10, 2019**

10:00 am – 12:00 pm .....Registration, Ballroom Foyer  
10:00 am – 6:00 pm .....Outdoor Equipment Display, Parking Area  
11:00 am – 12:00 pm .....Lunch, Mezzanine

12:15 – 1:15 pm

**County Bridge Program and Panel Discussion\***

Moderators:

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

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

Panel:

*Tim Schumm, PE, PS, Henry County Engineer*

*Pat Ginnetti, PE, PS, Mahoning County Engineer*

1:15 – 1:45 pm

**Timber Covered Bridge Maintenance: How to Achieve a 300 Year Plus Useful Life\***

*John Smolen, PE, PS, Owner, Smolen Engineering*

The most significant maintenance problem associated with timber bridges is deterioration due to prolonged exposure to water. John Smolen will provide a practical and field tested maintenance plan to limit water exposure for timber covered bridges, which if implemented will remarkably extend the useful life of a bridge by hundreds of years.

1:45 – 2:15 pm

**Bridging the History Between Central and Western Ohio\***

*David Simmons, President, Ohio Historic Bridge Association*

The bridges in Delaware and Preble counties share strong historic connections through a single family of bridge builders. Many may be surprised to find the source of inspiration for the bridges common to both counties.

2:15 – 2:45 pm

**Trade Show Break**

*Be sure to take advantage of this extra opportunity to visit the outdoor equipment displays.*

3:00 – 4:00 pm

**Riveting Across America\***

*Doug Lockhart, Blacksmith, Lockhart Ironworks LLC*

A blacksmith's perspective on repairing and restoring iron truss bridges and other structures.

4:00 – 4:30 pm

**Underwater Grout Bag Repairs for Bridge Pier Undermining\***

*Travis Clower, MBA, PE, Owner/Diver, Integrity Aquatic*

The presentation will discuss underwater undermining issues found at bridge piers and bridge abutments. Several repair methods will be shown with the primary focus on Concrete and Grout Bag repairs. We will conclude by discussing things that can go (and have gone) wrong on previous jobs, limitations of Grout Bags, Turbidity Curtain issues and lessons learned from a diver's perspective.

4:30 – 5:00 pm

**Silane Water Repellents: First Line of Defense in Bridge Preservation\***

*Tim Woolery, Vice President Sales, Advanced Chemical Technologies*

An introduction to Silane water repellents. Chemistry, surface preparation, application equipment, performance, costs, and specification writing will be covered. This will include what silanes do, how they work, what they cost and how to write a competitive specification.

*\*All sessions 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.*

## Tentative Program

5:00 – 6:00 pm

**Dinner, Mezzanine**

6:00 – 8:30 pm

**Trade Show and Refreshments, Lower Lobby**

*Learn more about our Exhibitors' products and services and network with other conference attendees. Join us in the Exhibit Area downstairs immediately following dinner. Refreshments will be served.*

## Thursday, April 11, 2019

6:00 am – 7:00 am .....Coffee, Ballroom Foyer

7:00 am – 8:00 am .....Breakfast, Mezzanine

8:00 – 8:50 am

**Public Employment Risk Reduction Program (PERRP) High Hazard Focus\***

*Kimberlie Mitchem, Senior Compliance Safety and Health Officer, State of Ohio, Bureau of Worker's Compensation*

Public employers in Ohio have been task with performing more work activities with the same or even less employees. As a result, there are significant injuries or deaths that have occurred from work performed with Trenching and Excavation; Ohio Manual of Uniform Traffic Control; Confined Space Entry and Work and Hazards of Tree Felling and trimming operations. This presentation will focus on those four areas of concern.

9:00 – 9:50 am

**Rig It Right and You Won't Go Wrong\***

*Al Abel, Lifting Specialist, Mazzella Companies  
Matt Young, Lifting Specialist, Mazzella Companies*

The session will cover safe crane operation and will address the proper care, use and inspection of slings, hardware and below the hook lifting devices. Discussion of safe lifting practices will be the theme. In particular, reference to the specific OSHA and ASME standards that apply to work in construction will be emphasized.

10:00 – 10:50 am

**Non-Destructive Testing Methods for Construction Materials\***

*Justin Wilson, PE, Project Engineer, S & ME  
Ron Erb, PE, Principal, S & ME*

This presentation describes the implementation of advanced non-destructive testing (NDT) methods in transportation projects. NDT is a useful tool for understanding in-place building and infrastructure conditions. Methods utilized in this non-destructive testing include a high resolution Ground Penetrating Radar, Infrared Thermal Imaging, Ultrasonic Tomography, Cut and Pull Out Testing (CAPO), Torque Testing, Bond Strength, Ultrasonic Thickness testing. Examples of all these systems and the benefits will be discussed.

11:00 – 11:30 am

**Channel Vane Design and Installation\***

*Rich Shatzer, Transportation Administrator, ODOT District 2 / Williams County*

ODOT's development of an effective maintenance program to deal with bridge scour, slope erosion, and debris accumulations.

11:35 am

**Closing Remarks/Adjourn**

*Scott Coleman, PE, PS, Logan County Engineer, CEAO Bridge Committee Co-Chair  
Warren Schlatter, PE, PS, Defiance County Engineer, CEAO Bridge Committee Co-Chair*

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