



Association for Bridge Construction & Design

Northeast Ohio Chapter

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# I-480 Bridge Closure – Performance of Retrofits 20 Years Later

When 15 Feb 2023  
11:55 AM -  
1:00 PM

Location Virtual  
Presentation

Join ABCD Northeast Ohio for a presentation on "I-480 Bridge Closure – Performance of Retrofits 20 Years Later" by Michael Malloy.

**Speaker:** Michael Malloy, E.L. Robinson Engineering

## REGISTRATION

- **Virtual Presentation**

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**Program:** On Saturday, November 11, 2000, the 1,535-foot-long non-redundant bridge carrying I-480 over the Rocky River was closed due to cracks found in one of the girders. The bridge was closed for seven days until a temporary girder system could be installed, allowing the bridge to reopen. The following year, both the eastbound and westbound structures were repaired by installing supplemental beams, drilling out intersecting welds, and installing supplemental plates at all twelve seated hinge locations. 20 years later the lead engineer on the retrofit project performed an inspection of the bridge and was able to evaluate the performance of these retrofits. This presentation will review the original issues that led to the closure, discuss the emergency repairs, and the design and details for the permanent retrofits. This will be followed by discussion of the performance and current condition of each retrofit as well as some suggested improvements.

**Date:** February 15, 2023

**Location:** Virtual Presentation (See link below)

**Schedule:** 11:55 AM – 12:00 PM Log on to the webinar

12:00 PM – 12:45 PM Presentation

12:45 PM – 1:00 PM Q&A

One PDH will be awarded to attendees.

## Microsoft Teams meeting

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Association for Bridge Construction and Design Northeast Ohio Chapter

P.O. Box 91997 Cleveland, OH 44101 [abcdneoh@gmail.com](mailto:abcdneoh@gmail.com)

Full Name

Peter Narsavage  
David Buchanan  
James O'Leary  
Philip Garrett  
Mike Malloy  
Herceg, Michael  
Antonelli, Paul  
Lauren Hedges  
Seif, Youssef  
Toman, Patrick  
Esmaeel Asadi  
Robert Yin  
Lastovka, David  
Gabriel Liptak (Guest)  
Avarello, Brian  
Kevin L (Guest)  
Tuskas, Timothy  
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Nabil Farah  
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Douglas Timmer  
Jurcak, Michael  
Robert Mileti  
Mallas, Dayna  
Parker, Bob  
Joe Beno  
Carey, John C  
William Vermes  
Merillat, Brett  
Albert Malinak (Guest)

Anamasi, Pete  
Joe Fockler  
Jonathan Hren (Guest)  
Dai, George  
Bill Ruggles (Guest)  
+1 216-584-2117  
Schulz, Matthew  
+1 216-776-6606  
Grosel, Zachary  
Nepal, Prateek  
+1 216-409-1508  
David F. Traini, P.E.  
Zoltan Szabo  
Carolyn Guion  
David Selzer (Guest)