



Association for Bridge Construction & Design

Northeastern Ohio Chapter – www.abcdneoh.org

Monthly Meeting Notice

Wednesday, January 30th, 2019

Diagnosing Deficiencies in Ten Ohio Post-Tensioned Bridges

Speakers: Michael Seal, PE Burgess & Niple
Dallas Montgomery, PE, RLS Burgess & Niple

Program: Lurking beneath the surface of otherwise visibly sound concrete bridges lies a potentially significant disease-causing corrosion and deterioration. If left untreated, it can lead to a shortened service life and reduced load carrying capacity of post-tensioned (PT) bridges. Many PT bridges built before 2003 are showing deficiencies in the steel tendons. Recognizing the potential for deficient conditions, the Ohio Department of Transportation (ODOT) District 8 retained Burgess & Niple to inspect and, if necessary, perform non-destructive testing (NDT) and generate rehabilitation plans for ten PT bridges. The document research was proceeded by in-depth inspections, including an arms-length visual survey of all post-tensioned members. Next, a post-tensioned inspection plan was developed which also served as the scope for the project's second phase. This included NDT of internal and external steel tendons when necessary. The project's final phase includes the generation of repair plans for structures that require rehabilitation based on the results of the first two phases. This presentation will provide an overview of the project, the inspection and testing methods used, and discussion about the results.



Location: Holiday Inn Independence, 6001 Rockside Road, Independence, Ohio 44131
Lunch: Choice of: Chicken Parmesan, Roast Sirloin of Beef, or Pasta Primavera with house salad, choice of dessert, rolls and butter, coffee, decaf, hot tea and iced tea

Time: 11:30 AM – 12:00 PM Registration
12:00 PM – 1:15 PM Lunch and Speaker

Cost: \$25 – ABCD Members/Students and \$30 – Non-Members/Guests
There is no charge for government agency attendees that are also ABCD members.

RSVP: [Diagnosing Deficiencies in Ten Ohio Post-Tensioned Bridges](#)

One (1) Continuing Professional Development hour will be provided. If you attend and sign in at the meeting, and wish to obtain CPD credit, please go to our website (<http://www.abcdneoh.org/professional-development.html>) following the meeting to obtain the sign-in sheet and announcement.

Kindly RSVP by Friday, January 25, 2019

No-shows and Cancellations after the reservation deadline will not be refunded.

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