



**ASHE NORTH-CENTRAL NJ SECTION  
PRESENTS:**

**Monmouth County Bridge W-43**

**Presented by:**

**Joseph R. Strafaci, PhD, PE – HNTB Corporation – Project Engineer**

**Michael A. Ruggiero, PE – Monmouth County Department of Public Works and Engineering –  
Principal Engineer**

This presentation will discuss the Monmouth County Bridge W-43 which is a dual leaf bascule span movable bridge which crosses the Shark River, by providing an overview of the design method utilized to successfully underpin the trunnion and pinion supports to serve as a case study and template for similar repairs. The presentation also provides some of the challenges encountered during construction and identifies the original causation of the repair.

At 339 feet long, the bridge is owned and operated by Monmouth County and serves as a vital link between the boroughs of Avon-by-the-Sea and Belmar, two popular summer tourist destinations along the Jersey Shore. Constructed originally in 1936, W-43 is now in its 84th year of service and has been the subject of several rehabilitation projects to maintain its serviceability to the motoring public. The bridge is also located at the mouth of the Shark River Inlet, making it a critical structure for navigable traffic.

**DATE:** Thursday, January 20, 2022

**LOCATION:** Virtual Meeting - REMO Conferencing (allows for virtual networking session before presentation – see “**NEW REMO USERS**” section below)

**TIME:** 4:00 PM Social Hour; 5:00 PM Presentation

**COST:** \$20 ASHE Member (NCNJ, SNJ, NY Metro, East Penn, DelVal or any other ASHE Section)  
\$20 ASCE North Jersey Branch Member  
\$35 Non-Member  
\$20 Government Employee  
\$0 Student with current Student ID

Registration will be **online only**. If you wish to register and not use a credit/debit card then select the "Invoice Me" option.

**All registrations must be received by COB, January 19<sup>th</sup>**

**Online Registration link:** <https://ashencnj.wildapricot.org/events>

(Once registered/paid, you will receive a follow up email with private link and further instructions)

If you wish to pay by check, please contact Bob Nash at [RNash@bucharthorn.com](mailto:RNash@bucharthorn.com) once you have registered to receive the meeting link)

**Contact Information:** Robert Nash, Treasurer C/O, Buchart Horn Inc. (856) 797-4338 or [RNash@bucharthorn.com](mailto:RNash@bucharthorn.com)

**1 PDH Credit is anticipated**



## ASHE NORTH-CENTRAL NJ SECTION

### **NEW REMO USERS** - For those that have not used REMO previously, please:

- Ensure you log-in sufficiently in advance since it will require you to establish your username and password. Also, your profile picture and firm name if desired.
- Become familiar with how REMO works, including discussions between guests. See [https://remo.co/wp-content/uploads/2020/07/Remo-Guide-for-Attendees\\_2\\_7\\_20.pdf](https://remo.co/wp-content/uploads/2020/07/Remo-Guide-for-Attendees_2_7_20.pdf).
- The above guide includes a test to check your browser, computer, microphone, and speaker compatibility ahead of time. Chrome, Safari and Firefox are the recommended browsers. REMO isn't yet fully compatible with MS Internet Explorer (IE) or Edge.
- Make sure REMO is not firewalled by your IT Department.
- Further instructions are to be provided in your confirmation email with private link to the virtual session (after you registered to event).

### **ASHE NCNJ Remaining 2021 – 2022 Program: (at this time all presentations except the golf outing and potential field trip are anticipated to be virtual)**

- February 10, 2022- GSP Shoulder Widening, MP 30-35, Atlantic County- NJTA/Gannett Fleming
- March 10, 2022- Halls Mills Road, Monmouth County- T&M Associates
- April 14, 2022- Project of the Year- pending with further detail to come
- May 5, 2022- Golf Outing
- June 9, 2022- Field Trip- Rutgers CAIT- pending

### **We extend our thanks to our Annual Sponsors:**

**AmerCom Corp., Arora and Associates PC, Buchart-Horn, Dewberry, Dresdner Robin, HDR, Gannett Fleming, GPI, KS Engineers PC, McCormick Taylor, Techniquet Corporation, Traffic Planning & Design Inc., TSS (Traffic Safety Service), Van Cleef Engineering Associates LLC, HNTB, MP Engineer, Urban Engineers**

### **ASHE NCNJ 2021 – 2022 Officers and Board of Directors**

President – Marisa Sapiezynski, WPIT  
1<sup>st</sup> Vice President – Atly Botas, PE  
2<sup>nd</sup> Vice President – Andres F. Gomez, PE  
Secretary – Gregory T. Kuczynski, PE  
Treasurer – Robert S. Nash, PE, PTOE, CME  
NE National Director (2021-2024) - Donato DiZuzio  
NE Region 2<sup>nd</sup> Vice President – Scott Cortese, PE

Director (2019 – 2022) – Roderick A. Lewis  
Director (2019 – 2022) – David Nemeth, PE  
Director (2020 – 2023) – Tim Herlihy, PE  
Director (2020 – 2023) – JP Magron  
Director (2021 – 2024) – Jonathan Brunkhorst, PE  
Director (2021 – 2024) – Scott Cortese, PE