



Our Mission: Provide essential value to our members and partners, advance civil engineering, and serve the public good.

News & Updates November 10, 2021 | Volume 52, Number 1

Upcoming Events

- **Virtual 2021 Region 2 Assembly** (11/13/21)
- **Tailgate at Penn State** (11/20/21)

Link to **[Section Event Calendar](#)**



President's Message

ASCE needs volunteers like you!

If you are interested in joining the ASCE board, contact Joe Bracken III at ***centralpa.asce@gmail.com***.

ASCE Central Pennsylvania Section Sponsored Geotechnical Conference

The 32nd Central PA Geotechnical Conference, 15 thru 17 September 2021, was held at the Hershey Lodge and Conference Center in Hershey Pennsylvania (PA) with over 300 folks in attendance. The three days were fun full, with many

opportunities to network with folks and exchange ideas. Usually the attendees have many different expertises to share, along with the presenters. The speakers provided the latest information on "Soil and Rock" technology covering construction projects, Thermal Integrity Profiling, grouting, to name a few topics. This conference sponsored by the ASCE Central PA Section is in keeping with the desires and ambition of Carl von Tezaghi to share soil technology. He started his quest in the nineteen-twenties in United States. Carl von Tezaghi is considered the father of soil mechanics and geotechnical engineering.

Thanks to all who made the conference a success.

CALL FOR 2022 PA INFRASTRUCTURE REPORT CARD VOLUNTEERS:

Category Volunteers are responsible for researching, grading and writing a Report Card category. This effort is 10 months long with an intended release date is July 2022.

The **report card categories** are:

| | | |
|------------------|---------|-----------------|
| Aviation | Bridges | Dams |
| Drinking Water | Energy | Hazardous Waste |
| Inland Waterways | Levees | Ports |
| Parks | Rail | Solid Waste |
| Stormwater | Transit | Wastewater |

For more information and to volunteer, please email our co-chairs David DiGioia and Michelle Madzellan at ddigioia@mcmahonassociates.com and memadzellan@elagroup.com.

October Lunch Virtual Meeting

On Wednesday, September 15, 2021, attendees gathered to hear an informative presentation on the North York Widening Project. Our Section welcomed L. Bryan Hoover, PE who is the design Project Manager at Stantec and Steven A. Moore, PE who is the Acting Assistant District Executive-Design for PennDOT Engineering District 8-0. The presentation included an overview of the project along with a description of the design and construction sections. Additionally, several of the major challenges were reviewed along with how the design team and PennDOT evaluated each challenged and ultimately agreed on the solution to keep the project moving.

The project entails reconstructing Interstate 83 (I-83) between Exit 19 and Exit 22 in northern York County. PennDOT has maintained this section of I-83 since it was constructed in 1958. Improving traffic flow and updating the design to safely handle

today's and tomorrow's traffic flow is critical to this region. Please visit the project website (<https://www.i83northyork.com/>) for additional information.

CALL FOR 2022 PA INFRASTRUCTURE REPORT CARD CATEGORY CHAMPIONS:

Category Champions are responsible for leading the volunteer effort of grading and writing their chosen Report Card category with the support of our Report Card co-chairs, category volunteers, and ASCE HQ. The effort is 9-12 months long with an intended release date for the 2022 Report Card is May of 2022. Champions for the following categories are needed:

- Energy
- Inland Waterways
- Levees
- Solid Waste

For more information and to volunteer please email our co-chairs David Digioia and Michelle Madzelan at ddigioia@mcmahonassociates.com and memadzelan@elagroup.com.

ASCE Bucknell Student Chapter Watch Party

On 13 October 2021 the ASCE Student Chapter at Bucknell University hosted a Watch Party with support from the ASCE Central Pennsylvania Section. The party celebrated the chapter's 100th birthday with the viewing of a presentation from a Bucknell University alumni.

The virtual presenter and alumni was Sandra Tosca, District 3-0 Executive, who oversees all highway and bridge infrastructure activities in the Pennsylvania Department of Transportation, District 3-0 area. The speaker provided an interesting and informative talk on the highlights of the Central Susquehanna Valley Transportation Project and the transportation funding challenges.

The ASCE Bucknell Student Chapter, their advisor, Dr. Kelly Salyards, and the speaker, Sandra Tosca, are to be congratulated on job well done.

"Happy Birthday" to the ASCE Bucknell Student Chapter.



Intro to Precast Box Culverts

Thursday November 18, 2021 – 12pm

Precast box culverts provide an economic alternative to bridge replacement and large diameter pipe structures. Boxes provide the highest hydraulic capacity and can easily incorporate accelerated construction into your projects. Manufactured in single and multi-cell formats, boxes can be designed for penetrations, skews, and custom junctions. The course will provide several case studies that highlight the innovation possible with precast box culverts. Course learning objectives include:

- The importance of quality backfill materials
- Best practices when joining precast box culverts
- Considerations when handling box culverts on site

Instructor

Trygve W. Hoff, Northeast Region Engineer, American Concrete Pipe Association

Location/Format

Virtual webinar format through Zoom platform. Attendees can register [HERE](#). 1 Professional Development Hour provided to all attendees who participate in the entire webinar.

Registration Fee

All fees waived for this series

1 Professional
Development Hour*
WEBINAR

Job Postings

[Click link to see more details at the website](#)

ELA Group, Inc

- Traffic/Transportation Project Manager
- Traffic/Transportation Engineer

Gannett Fleming

- Senior Highway Engineer, Transportation
- Geotechnical Project Engineer, Geotechnical
- Water Resources Engineer, Water Resources
- Civil Engineer, Environmental Services
- Entry Level Water Engineer, Water / Wastewater
- Transportation - Project Manager, Transportation
- Water Engineering Intern, Water / Wastewater
- State Traffic Management Center (STMC) Operator, Intelligent Transportation Systems (ITS)
- Highway Project Manager, Transportation
- Civil Engineer, Environmental Services
- Principal Consultant - Business Advisory and Infrastructure Management, Transportation
- Senior Security Consultant, Facilities
- Senior Highway Engineer, Transportation
- Geotechnical Project Engineer, Geotechnical
- Project Manager – Highway, Transportation
- Senior Geotechnical Engineer, Geotechnical
- Electrical Engineer, Transit & Rail
- Traction Power Engineer, Transit & Rail
- Geological Engineer, Geotechnical
- Entry Level Water Engineer, Water / Wastewater
- Civil Engineer - Water/Wastewater, Water / Wastewater

Modjeski and Masters, Inc

- Entry Level and Experienced Bridge Design Engineer
- Entry Level and Experienced Inspectors
- Entry Level Highway Engineer
- CAD Technician

Susquehanna Civil Inc

- Stormwater Engineer
- Right-of-Way Designer

Traffic Planning & Design, Inc. (TPD)

- Transportation Construction Inspector/Manager
- Highway Design Specialist
- Highway or Bridge Design Project Manager
- Municipal Traffic Engineer
- Traffic Engineer
- Traffic Signal/ITS Engineer
- Transportation Engineer
- Structural Designer
- Civil Engineer

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