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President's Message



So here we are. It's been about two months since our last newsletter release with updates about our section, our planned events, and what we have in store for the summer. And in those two short months, our entire world has changed. Our world and our nation is in the middle of a pandemic. It has changed how we work, how we play, who we see, and what we do.

After six weeks of the "stay at home" orders, it all still seems quite surreal to me. If I think back six weeks ago, the sheer thought of closing down our world and our economy would have seemed utterly impossible.

The loss of life has been absolutely catastrophic. However, from all reports, it appears that the casualties are nowhere near what was originally predicted. We have banded together to take extreme measures to curb the spread and it appears to be working. We still have many challenges ahead as we begin to reopen our economy but, I am certain we will succeed. On behalf of ASCE Central Pennsylvania, our thoughts and prayers go out to any of our members that have been directly affected by this horrible virus.

After every night comes day.

After every storm comes sunshine.

We will prevail and come out of this stronger than we ever were.

The "Stay at Home" orders have forced many of us to rethink how we do our daily jobs. For most of us, video conferencing has become a staple in our daily lives. We are fortunate to live in a time where technology allows us to stay so close when yet so far away. We are adapting and we are moving forward.

The ASCE Central PA Section adapted our final board meeting of the year to be held as a video conference. I'm not completely sure of the history but, this may have been our first all virtual board meeting. The April Board meeting is always a special one as it typically involves the installation of new officers. Through a little creativity, and the help of our Region 2 Director, Jack Raudenbush, we were able to install our new officers for the 2020-2021 season virtually.

And as my term comes to an end, I would like to congratulate Tim Carre, P.E. as the incoming Section President for the 2020-2021 season. Tim has some great ideas and will lead the Section with honor! More board member introductions will follow in the next newsletter.

Our next scheduled Board Meeting is for September 2020. As of now, we have not cancelled any of our planned summer events, but will be monitoring the situation closely and provide updates as we have them. Please watch your email for communications about upcoming events.

Lastly, on a personal note, I would like to thank the Board Members for their tireless contributions to our section and for helping me navigate my “presidential duties” over the past year. We truly have a wonderful group of people that make up the Board and have some new additions coming soon.

As always, we are looking for volunteers to join the Board of Directors including the Leadership Board. For anyone who is not currently involved in the direction of our local ASCE Section, this is a great way to gain leadership experience, make valuable contacts both locally and nationally, and give back to your Engineering community! Please reach out to me personally for any questions that you may have.

I sincerely hope everyone stays happy and healthy in the coming months! And I wish you and your families the best!

Sincerely,
Brandon R. Motuk, P.E., M. ASCE
2019-2020 Central PA Section President
bmotuk@quandel.com

Energy Spotlight

Executive Summary: Pennsylvania benefits from having diverse, reliable and affordable energy resources, and utilizes those resources to rank third in the country in terms of total energy production. The state has a solid foundation of energy generation, transmission, and distribution infrastructure that is continuing to transform and react to market forces. However, Pennsylvania must also contend with increasing energy dependence and reliability requirements, aging infrastructure, and physical and cyber threats. While a portion of Pennsylvania’s Electric Distribution Companies have been challenged with meeting reliability standards in recent years, the infrastructure appears to meet the current needs. It is clear that collaborative involvement among utilities, electric generation companies, regulators, and policymakers will be required to ensure investments and proposed projects address future system needs, such as renewables and evolving industry trends, while considering the impacts to affordability.

Compelling Statistic: Four of the state’s 11 electric distribution companies failed to meet reliability performance metrics set by state regulators.

Headline: 4 out of 11 PA Electric Distribution Companies Failed to Meet Reliability Performance Metrics.



Region 2 Director's Report

March 2020

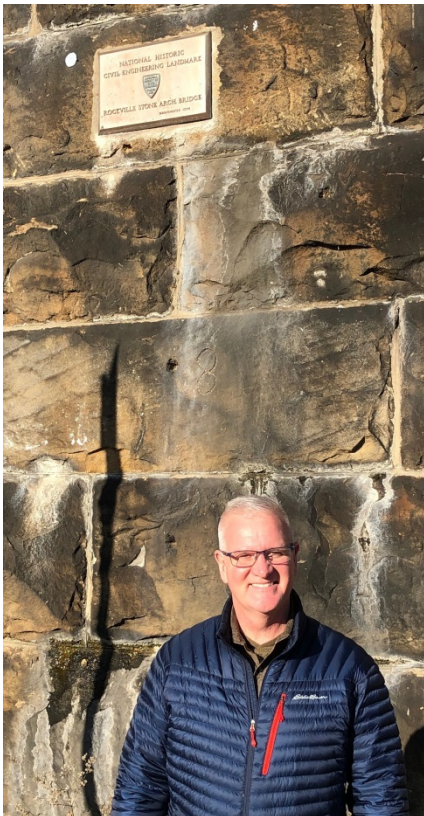
Jack A. Raudenbush, P.E., F.ASCE, your Region 2 Director is a member of the Central Pennsylvania Section. Jack will be representing you at the next Board meeting in Washington, DC on March 14 and 15, 2020.

Leadership and Management Training Opportunity for Young Civil Engineers

Region 2 is offering to reimburse Sections and Branches for the cost of purchasing ASCE's **Professional Skills Series in Leadership and Management** training modules. Please contact **me** if interested in learning about this limited time reimbursement offer.

Module = \$249/Each Reimbursement from Region 2 = \$249/Each **Your Final Amount = \$0!!**
<https://www.asce.org/supercharge-your-career/>

Visit an ASCE designed historic site. These sites illustrate the creativity and innovative spirit of civil engineers. Visit <https://www.asce.org/landmarks> to find sites near you. Share photos of your travels with me and I will post in Region 2 correspondence and on our Region's social media pages.



In February, I visited the historic Rockville Bridge. This railroad bridge was built in 1900-02 and continues to carry rail freight across the Susquehanna River near Harrisburg, PA. It is the longest stone masonry arch railroad viaduct in the world. Constructed by the Pennsylvania Railroad, it has forty-eight 70-foot spans, for a total length of 3,820 feet.



Pittsburgh Section Shout-Out

The Pittsburgh Section was awarded the Outstanding Section and Branch Award for Large Sections and Branches. The award, presented in January at the MRLC in Philadelphia, recognized the Pittsburgh Section for its exceptional activities and engaged Board Members, Student Chapters and various Committees as presented in their Annual Report.

The Pittsburgh Section of ASCE has nearly 1,700 members and hosts over 50 events per year including the Annual Kick-off Dinner, the Life Member Recognition Banquet, and the Engineers Week Awards Banquet. It has five technical institutes and a very active Younger Member Forum as well as very supportive activities for the local Student Chapters.

I look forward to seeing you at ASCE events.

February 2020 Hersheypark Tour

Submitted by: Mike McGowan, P.E., SEI Chair

On Wednesday, February 19th, 2020, a group of forty professionals and students participated in a fascinating tour of Hersheypark's new construction for 2020. The project features Candyonium, which will be Hersheypark's tallest, fastest, and longest roller coaster and is part of \$150 million, 23 acre expansion called Chocolatetown.



Pret Lytle, Director of Engineering of Hershey Entertainment & Resorts' Construction Services Group, started the event with an informative presentation. He described the unique design and construction limitations required when working within an amusement park environment and explained how Candyonium is located in the park's new entrance called Chocolatetown. The project also boasts the Chocolatier, the biggest themed restaurant in Hershey, Milton's Ice Cream Parlor, and the Sweeterie. Finally, the carousel is moving to a new entrance pavilion within Chocolatetown. The site presented multiple challenges, including

- Working near a stream
- Construction phasing (see more information below)
- Large foundation loads from Candyonium
- ADA improvements to the park entrance

The normal construction window for projects at Hersheypark starts in the fall as soon as the park finishes its summer season and must be finished by the start of the next summer season. The engineering department realized early during planning for this project that its large scope would require a longer construction period, making this Hersheypark's first project that extended over the following summer season. To allow for access to the park during the summer 2019 season, the early work concentrated on making a path through the construction site. A new bridge and construction fencing with solid panels were installed to hide the construction from guests. Many who visited Hersheypark last season likely did not realize they walked through an active construction site.



The structural and geotechnical design of the ride foundation, which required close interaction with the ride supplier, was also discussed.

After the presentation, the group walked to a deck attached to the historic Hersheypark Arena for an excellent view of the construction and for the group's many questions to be answered.

Central PA SEI thanks Hersheypark Construction Services Group for hosting this event and we want to wish Pret Lytle, our contact at Hersheypark, a happy retirement!

February Dinner Meeting

Submitted by: Andrew Orlovsky, P.E., Environmental and Water Resources Chair

On Wednesday, February 12, 2020, attendees gathered to hear Mr. Alex Baldowski, P.E. who presented on the United States Army Corps of Engineers Reconstruction of Poplar Island on the Chesapeake Bay in Talbot County, Maryland. Formally named the Paul S. Sarbanes Ecosystem Restoration Project, this is a beneficial use of dredged material project that utilizes sediment collected from the approach channels to the Baltimore Harbor. The project consists of the construction of cells consisting of stone and sand containment dikes followed by the deposition of the dredged sediment within those cells to reconstruct areas of the island that have been lost to erosion over the past two hundred years. When each cell reaches its capacity of dredged material, wetland or upland habitat is constructed providing food and cover for a plethora of native species.



Mr. Baldowski is a Civil Engineer with the Baltimore District of the Army Corps of Engineers. In addition to Poplar Island, he has been involved with the design and construction of various civil works projects such as stream restorations, levees, and dams. He grew up in south central Pennsylvania and graduated from Penn State in 2008 with a Bachelor's in Civil Engineering. He started working for the Corps of Engineers straight out of college first at the New Cumberland Army Depot, before transferring to the Baltimore District Office in 2014.

Life Member Recognition

As part of the Central PA Section March Dinner Meeting, we took the opportunity to recognize our members who attained Life Member status in 2020. Our Membership Committee Chair, Mr. Chris Messner, recognized and presented Life Member certificates with lapel pins to the following individuals: Mr. Robert Fisher and Mr. Timothy Hess. In addition, four other members from the Section became Life Members and they are Mr. Scott Brown, Mr. Paul Wilke, Mr. Robert Navitski and Mr. John Wagman. The Section is very proud to have members like these who have dedicated such a large portion of their life to the civil engineering profession.

National ASCE 2021 President-Elect Official Nominees

ASCE Election time is upon on. Please see the below candidates for president. The election winner will go on from President-elect to serve as Society President in 2022.



[Maria Lehman, P.E., ENV SP, F.ASCE](#)



[Dennis D. Truax, Ph.D., P.E., DEE, D.WRE, F.ASCE](#)



HOW TO VOTE IN THE ELECTION

- Members at the grade of Associate or above may vote in the election.
- Members must pay their dues no later than April 1 and have a valid email address on file.
- Paper ballots are available upon request. Please contact [Patty Montgomery](#) for more information.
- Election credentials will be the same as your ASCE login.
- Voting will be open May 1 until June 1 via online balloting.

ASCE AMERICAN SOCIETY OF CIVIL ENGINEERS

ASCE REGION 2 ASSEMBLY

Saturday, November 14, 2020

Villanova University, Villanova, Pennsylvania



All Sections, Branches, Young Member Forums, Student Chapters, Faculty Advisors and Practitioner Advisors are invited and highly encouraged to attend the 2020 Region 2 Assembly.

The 2020 Region 2 Assembly theme will be Civil Engineering is Service to Our Community and will include professional development, through presentations and break-out sessions/activities. This event is an opportunity for interaction between students, professors, practitioners, and employers allowing for time to grow professionally and learn more about ASCE and what the organization offers for you.

We encourage you to plan on having a representative from your section to the Assembly. We encourage the sections to mentor and guide new leadership from your section to the assembly and younger member groups and student chapters at this event.

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NTM Engineering, Inc. (NTM) is proud to announce that **Mr. Paul DeBarry, MS, PE, PH, GISP D.WRE** is the recipient of the **2020 AAWRE Outstanding Practitioner in Water Resources Engineering Award** by the **American Academy of Water**

Resources Engineers (AAWRE), a subsidiary of ASCE. Mr. DeBarry is recognized for the named award for his outstanding work and significant contributions in the practice of water resources engineering.

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Gannett Fleming CEO: We Stand at the Ready

We are facing an enormous issue of both scale and human impact. Our hearts go out to all who have been impacted by COVID-19.

Through our comprehensive business continuity planning, we are taking all available measures to ensure that there is no disruption in our services. Our staff is well equipped and prepared to work from remote locations through our advanced technology infrastructure. These tools make connectivity, communication, and continuing normal day-to-day

operations possible for our diverse workforce.

While the COVID-19 situation evolves, we continue with our unwavering commitment and dedication to meet your needs and deliver on the projects you've entrusted to us. **Should you find yourself in need of additional services to support your mission-critical functions, please let us know. We stand at the ready to assist you.**

Be assured that Gannett Fleming places the highest priority on the health and well-being of our employees, clients, and partners. We continue to support health officials and government leaders as they work to contain the virus and remain committed to meeting the needs of the communities where we work and live.

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April also marks the five year anniversary of the merger between AEG and GTS Technologies, Inc. (GTS), which was founded in 1959. GTS managers and employees were retained during the merger – many of whom have

been with the company for 20+ years!

AEG is a professional consulting firm and a comprehensive MBE/DBE/SDB/SBE-certified organization that provides civil, structural, transportation, and geotechnical engineering, along with surveying, environmental, water resources, and construction testing and inspection services. AEG also features an AASHTO-Certified Materials Testing Laboratory.”

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“Cheryl L. Love, RLA and Principal, received the 2019 Women’s Transportation Seminar (WTS) Employer of the Year Award for ELA Group, Inc. From three Pennsylvania and one Florida offices with 40 employees, ELA shows its commitment to continuous improvement by establishing employee committees to support the strategic growth and development of the firm. Each committee is comprised of a diverse cross-section of staff including a balanced ratio of members based on age and gender, as well as management,



professional and support staff to ensure inclusion of all employees in its endeavors. These committees are tasked with brainstorming and proposing ideas to meet and improve specific goals set forth in the firm’s strategic plan, including the areas of finance, client and employee satisfaction, operations, marketing and sustainability. ELA is an active supporter of the WTS Central PA Chapter through board and event participation and embodies the same values that make WTS a valuable organization.”

Events

Event	Date	Location
Knoebel's Park	July 25, 2020	Elysburg, PA
Region 2 Assembly	November 14, 2020	Villanova, PA

The schedule is growing daily, please visit <http://sections.asce.org/central-pennsylvania> for more information.

Job Postings

American Engineers Group (AEG) – Project Geotechnical Engineer

C.S. Davidson, Inc – [Engineer-In-Training and Designer \(Bridge Services\)](#), [Project Designer – Entry-Level Civil Engineer](#), [Environmental Engineer](#), [Construction Inspector](#), [Project Manager – Civil/Municipal](#)

ELA Group, Inc – Traffic/Transportation Project Manager, Traffic/Transportation Engineer.

Gannett Fleming – Senior Highway Engineer, Geotechnical Project Engineer, Water Resources Engineer, Civil Engineer, Entry Level Water Engineer, Transportation Project Manager, Water Engineering Intern, State Traffic Management Center Operator, Highway Project Manager, Civil Engineer

Greenman-Pedersen, Inc. – [Senior Highway Engineer](#), [Senior Bridge Engineer](#)

Larson Design Group – Project Manager, Construction Inspection

Modjeski and Masters, Inc – Entry Level and Experienced Inspectors, CADD Technician

Newell Tereska & MacKay Engineering (NTM) – Civil/Water Resources Engineer, Civil/Stormwater Engineer

Susquehanna Civil – Water Resource Designer, Highway Designer, Right-Of-Way/Utility Coordinator,

Traffic Planning & Design, Inc (TPD) – [Construction Inspection/Manager](#), [Highway Design Specialist](#), [Highway Design Project Manager \(public and Private\)](#), [Municipal Traffic Engineer](#), [Traffic Engineer](#), [Traffic Signal/ITS Engineer](#), [Transportation Engineer](#), [Structural Designer](#), [Civil Engineer](#)

Many new jobs postings have recently been added to the Section Website at <http://sections.asce.org/central-pennsylvania/node/10>

Address Change? Questions About ASCE?

If you are an ASCE member, and wish to update your address information, please visit: www.asce.org/myprofile.

If you are a member of ASCE, and have questions, please email them to: centralpa.asce@gmail.com.

Questions about the ASCE Central PA Section Newsletter? Send an email to Jason Taylor, Newsletter Editor, at jtaylor@sqcivil.com.