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**President’s Message**



Another DECADE is behind us- can you believe it??? I know I can’t but, I am excited for what the “20’s” has in store for all of us.

I, and the entire ASCE Executive Board, hope everyone had a joyous and safe holiday season. For many of us, the past few weeks were spent enjoying time with our family and friends, giving back to our communities and churches, and possibly overindulging, just a bit. Those past few weeks are contrasted with this time of “new beginnings”, a new year, and in this case, a new decade! What do many of us do at this time? - we set our New Year’s Resolutions. This year, I’d like to encourage you to go one step further. New Resolutions are great but, they sometimes fizzle out rather quickly. This year, if you don’t already, try writing down your goals for 2020 and post them prominently in your home. Spend some time and think about what you want to accomplish- both professionally and personally. Do you want to get that promotion at work? Do you want to spend at least 50 hours this Year volunteering for a nonprofit organization? Do you want to learn a new language? Do you want to intentionally make time to spend with family and friends? Do you want to lose 10 pounds? Whatever your goals may be, write them ALL down. And, each day, think about a plan of action to achieve every one of them!

This time of year is also quite busy for our local ASCE Section! In November, we had a packed house for a technical presentation on Phased Array (Non-Destructive Testing). Additionally, we were honored to give away \$8000 to four deserving students (3 undergrad, 1 graduate). In December, the section held its annual Christmas party at the Radisson in Camp Hill. It was a great night to share some laughs with fellow members and their families and enjoy watching Santa provide gifts to all the children.

Moving forward, there is no formal dinner meeting in January but, the executive board will meet as usual. In February, our dinner meetings will resume with a Water Resources presentation to be held at the Radisson. The March dinner meeting will be hosted by our Structures group and will also recognize our life members.

Lastly- don’t forget- Central Pennsylvania’s Engineer’s week begins on February 16, 2020. Central PA Engineers Week Council will hold their annual Banquet on Thursday, February 20, 2020 at the West Shore Country Club (more information can be found here: <https://www.cpewc.com/engineers-week-events/engineers-week-banquet/>).

As always, we are looking for volunteers to join the Board of Directors including the Leadership Board. For anyone who is not

**WELCOME NEW PROFESSIONALS:**

Bryan Jason Hayne  
Anna Madra, Ph.D.  
Kathleen Bertoldi, EIT  
Victoria Szwarc, EIT

**WELCOME NEW STUDENTS:**

Amanda Issis  
Ashley Mueller  
Braden Becker  
Brittaney Hargenrader  
Camden Weaver  
Catherine Wilson  
Christopher Devers  
David Schmidenberg  
John Khamis  
Junxi Huang  
Justin Blest  
Matthew Buck  
Mena Mekail  
Merna Mekail  
Mikayla Eyster  
Mina Grees  
Remon Grees  
Ryan Drager  
Ryan Stough  
Sarah Anne Aldrich  
Timothy Ward  
Travis Groff  
Zhanzhao Li  
Youngbo Won  
Logan R Thorwaldson  
Madeleine O'Neil  
Jabin M Bubb  
Jaka Pandza

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 Engineer community! Please reach out to me personally for any questions that you may have.

I look forward to seeing you all at our next event!

Sincerely,  
Brandon R. Motuk, P.E., M. ASCE  
2019-2020 Central PA Section President  
[bmotuk@quandel.com](mailto:bmotuk@quandel.com)

## Structural Technical Committee Holds ASCE/SEI 41-17 Seminar

*Submitted By Michael McGowan, P.E., Structure Chair*

On Friday, October 11<sup>th</sup>, 24 engineers from 11 companies attended the webinar entitled "ASCE/SEI 41-17: Performance Objectives & Seismic Hazard Changes" presented by Robert Pekelnicky, SE (CA), PE (CA), F.SEI, M.ASCE. The webinar was held at Gannett Fleming, Inc. in Camp Hill, PA.

Those in attendance learned about the primary reference for structural engineers addressing the seismic resilience of existing buildings. The ASCE/SEI 41-17 standard establishes analysis procedures and acceptance criteria, and specifies requirements for foundations and geologic site hazards; components made of steel, concrete, masonry, wood, and cold-formed steel; architectural, mechanical, and electrical components and systems; and seismic isolation and energy dissipation systems.

The specific objectives for this course were to:  
Understand how the changes to the BPOE may affect seismic evaluation and retrofit in different parts of the country.

Learn why the provisions for seismic hazard parameter were changed to be more consistent with ASCE 7

Learn about changes to the nonstructural provisions, including significant revisions to how the most dangerous hazards are considered.

Lunch was provided to all attendees and 1.5 Professional Development Hours (PDHs) were earned.

If you have any questions or comments, or would like to become more involved in the Central PA Section of the ASCE Structural technical committee/Structural Engineering Institute, please contact Mike McGowan at (717) 763-7211 or [mmcgowan@qfnet.com](mailto:mmcgowan@qfnet.com).

## Region 2 Director's Report

November/December 2019

*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 Detroit on January 8, 2020.*

### Help Students Transition to Associate Membership.

### And add a Visit to ASCE Landmarks in your travels.

Happy Holidays to everyone in Region 2! Our region includes over 11,000 members from Pennsylvania, Maryland, Delaware, Washington, D.C. and northeastern Virginia. We have 11 Sections and Branches as well as 27 Student Chapters who add hundreds of student members to our ranks.

I am excited to start my 3-year term as Region 2 Director and you should know that I will work hard to help you matter more and enable you to make a bigger difference. I would like to hear from you. Feel free to contact me anytime. I look forward to seeing you at ASCE events.

- MRLC in Philadelphia, PA, Jan. 31-Feb. 1, 2020,
- National Engineer's Week, Feb. 16-22, 2020
- ASCE National Convention in Anaheim, CA, Oct. 28-31, 2020
- And your Section and Branch meetings

While I make my commitments to you, I ask for your support and your investment of time in ASCE.

- Help students transition from student membership to associate membership after their graduation. Stay in touch with students while they transition to regular employment and assist in their applying for ASCE membership. Also talk with new civil engineers at your workplace about the benefits of ASCE. <https://www.asce.org/join/>
- 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.



[CITY HALL, Philadelphia, PA. National Historic Civil Engineering Landmark](#)

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Director, Region 2  
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717.944.0883

Over this past year, ASCE has added to its member benefits. These are tangible items with real cost values that enhance membership. <https://www.asce.org/member-benefits/>

- 10 Free PDH's
- Conference, Webinar and Publication discounts
- Podcasts – ASCE Plot Points - <https://news.asce.org/category/asce-plot-points-podcast/>
- Mentor Match and Career by Design – especially for Students and Younger Members

## Central PA Younger Member Group (YMG) Update

*Submitted By: Bill Kingston, PE, CFM, Younger Member Group President*

### Annual ASCE Student Chapter Canned Food Drive Competition

Throughout the month of October, the YMG sponsored our annual ASCE Student Chapter Canned Food Drive Competition. As part of this event, we invite the six student chapters in our Section (York College of Pennsylvania, Penn State - University Park, Bucknell University, Penn State - Harrisburg, Penn College of Technology, Messiah College) to collect non-perishable goods and monetary donations for a local food pantry of their choosing and we award the student chapter that collects the most donations with an engraved trophy and a \$250 monetary award for their use in member recruitment, for their competition teams, or for attendance to conferences. This year, York College of Pennsylvania took home the title for the second year in a row, collecting 434 items for the York Food Bank. We would like to thank all those who participated this year!



Students from the York College of Pennsylvania ASCE Student Chapter with the competition trophy.

### 2019 ASCE Student Chapter Canned Food Drive Competition Results:

1.	York College of Pennsylvania	434 items	to:	York Food Bank
2.	Penn State - University Park	\$200.00+106 items	to:	The Lion's Pantry
3.	Bucknell University	\$229.10	to:	Community Harvest
4.	Penn State - Harrisburg	15 items	to:	Central PA Food Bank
5.	Penn College of Technology	Did Not Participate		
6.	Messiah College	Did Not Participate		



Students from the York College of Pennsylvania ASCE Student Chapter with their collected goods.



Students from the Bucknell University ASCE Student Chapter with their donation check.

## RHI Magnesita Refractories Technical Tour – York, PA

On Tuesday November 19<sup>th</sup>, Younger Members and members of the Messiah College ASCE Student Chapter had the opportunity to tour the operations of RHI Magnesita in York, PA. RHI Magnesita is a global supplier of refractories for the steel, copper, cement, and glass industries. The York Plant produces magnesium-based refractories from dolomite mined on site. Participants got to learn about and see the raw materials side of the refractory production plant. Our first stop provided an overview of the quarry, where we discussed mining methods, mine development, quality control, and environmental compliance, among other topics. After the quarry, we traveled to the large rotary kilns, where the mined and crushed stone is sintered at extremely high temperatures to produce the refractory. This process changes the structure of the stone, densifying it and causing an almost 40-50% reduction in volume as the carbon is removed from the rock. The third stop of the tour was at the brick plant, where the refractory is pressed into bricks and fired in the tunnel kilns. The YMG would like to thank RHI Magnesita for taking the time to show us what they do and teaching us about a product that enables so much in our industry to exist. See below for some photographs from the tour.



**Annual Hershey Bears Section Hockey Game**

On Saturday December 7<sup>th</sup>, the YMG hosted our annual Hershey Bears Section Hockey Game Outing at the Giant Center in Hershey, PA. This year, 52 Section Members and their guests got to watch the Bears beat the Lehigh Valley Phantoms 1-0. The Section/YMG provides discounted tickets to all Section Members and their guests. A fun night was had by all in attendance and the event was a big success! We hope you will attend next year’s event!

*We are always on the lookout for new events to hold or co-sponsor/participate in and volunteer opportunities, so if you have any ideas, we’d love to hear about them. Additionally, we are looking for motivated individuals who would like to get more involved in the YMG and help plan and lead events. If you are interested, please contact Bill Kingston at [wkingston@gfnet.com](mailto:wkingston@gfnet.com) or speak to an officer on the Section Board at a future ASCE event.*

For those of you who have yet to attend one of our events, we encourage you to come out and see what the YMG is all about and what we have to offer. We hope to see you at a future event!

*The Younger Member Group of ASCE is for any ASCE member under the age of 36 who is interested in community service, supporting local charities, professional development, and social networking with other professionals in the area. The YMG is always open to new ideas and activities to better serve you, the members. If you have any ideas for future activities or events, or would simply like more information, please contact Bill Kingston at [wkingston@gfnet.com](mailto:wkingston@gfnet.com).*

**PARKS AND RECREATION**

*Executive Summary:*

Pennsylvania is home to more than 3.75 million acres of dedicated parks and recreational areas, including national trails and areas, recreational reservoirs and numerous county, municipal, and city parks. Overall capacity grew to accommodate the 44.5 million parks visitors in 2017 and the Commonwealth ranked fifth in the nation for how much users spend on outdoor recreation. However, national, state and local parks have significant needs. The Statewide Comprehensive Outdoor Recreation Plan 2014-



2019 found state parks require \$783 million to bring the system back to a state of good repair. The Pennsylvania Department of Conservation and Natural Resources (DCNR) has embraced new funding methods, via the Marcellus shale gas operation, and implemented long-range planning strategies like the PA Outdoor Recreation Plan. While overall state-wide funding may be holding strong, fluctuating budgets put some municipalities in a difficult position when trying to keep up with their increased needs.

**Compelling Statistic:** The Statewide Comprehensive Outdoor Recreation Plan 2014-2019 found **state parks require \$783 million to bring the system back to a state of good repair.**

## October Section Meeting

*Submitted by: Andrew Ottinger*

Per tradition, the Section rotates its normal October dinner meeting to one of the student chapters; this year was hosted by Penn State Harrisburg's chapter. Planning for any kind of any dinner meeting has its ups and downs: selecting a caterer, finding a speaker and a venue are usually the top 3 items to get flushed out quickly to ensure a timely event. Thankfully, the Section found overwhelming support from Student Chapter president, Marcos Espinosa, and PSU Hbg's Civil Engineering Chair, Sofia Vidalis. We had a speaker lined, up a room on campus, and the last item of business was finding a caterer; PennState's housing and food services helped fill that final void.

We had an excellent turnout of our traditional meeting attenders and a huge showing of PennState's student chapter members. Despite some hiccups with the amount of food that was provided by food services, the quick actions of a few on the Board of Directors secured additional food from a local pizzeria. Don't worry, everyone who attended had something to eat.

Our speaker for the evening was Catherine Wilsbach, P.E., who is a vice president from Vartan Group of Harrisburg PA. Ms. Wilsbach discussed a local land development project in Susquehanna Township, Dauphin County, transforming an empty field into a developed "Susquehanna Union Green" property. The Land Development Project was in the first in Central PA to be zoned as a Traditional Neighborhood Development and has integrated sustainable land development practices throughout the 58-acre mixed use development including floodplain restoration, high density residential, and shared parking. With construction starting in the fall of 2020, Ms. Wilsbach shared the Vartan Group's development process from zoning to master planning, land development, and construction approvals as well as their vision for future phases.

Again, many thanks to Marcos, Sofia and Catherine for a wonderful evening and presentation.



## November Section Meeting

*Submitted by: Joseph Bracken III, Vice President*

On November 13th was visited by Nicholas E. Shrawder, Chairman of the American Society of Nondestructive Testing (ASNT) Susquehanna Valley Section and employee of the Structural Materials Section at the Pennsylvania Department of Transportation. Nicholas has spent nearly his entire professional career, 12 years, working with nondestructive testing applications for the Oil & Gas industry, Power Piping and Pressure Vessels, Vertical Infrastructure and Highway Bridges. More recently Nicholas has become involved with a number of different professional organizations serving roles on the ASNT Engineering Council and Infrastructure Committee, advisor to the American Welding Society Bridge Welding Code and Inspection Task Group for the D1 code committee and active member on the American Iron and Steel Institute Welding Advisory Group.

The presentation described the equipment, system, and the method of operation and its relationship to the present-day techniques utilized in the Steel Fabrication Shops.

The Phased Array Ultrasonic Inspection System is being considered by industry as a replacement for Radiographing (X-Ray) full penetration welded groove joints. The system is safer from a handling requirement and potentially cheaper as a long-term investment versus the use of X-Ray film and storage.

Ultrasonic Inspection whether traditional or phased array have their place in the steel bridge fabrication shops among the other three Non-Destructive Testing methods: Magnetic Particle (MT), Dye Penetrant (PT), and Radiographs (RT). But, Phased Array is presenting a new opposition in the fabrication shop. More detail is being shown when scanning a full penetration welded joint.

The American Welding Society has created details in the D1.5 Bridge Code for its use. The question today is, "Will it be accepted as a replacement for the Radiograph Testing (RT) presently required by most Department of Transportations for steel fabrication.

The November Section Meeting was attended by 60 plus individuals for a presentation on cutting edge nondestructive testing technology for the steel bridge industry, "Phased Array Ultrasonic Testing in Steel Bridge Fabrication". The gathering brought a broad range of attendees from students to subject matter experts. Nicholas presented on the benefits of Phased Array Ultrasonic Testing by comparing to the method to current industry practice and how the Pennsylvania Department of Transportation is serving a vital role in the assessment of the technology. This role is both internally, within the organization, and by representation at the national level as well.

The evening concluded with some excellent discussion and questions by attendees showing great interest in how this new technology will be implemented moving forward.



## 2019 Student Awards (Scholarships)

*Submitted by: Christopher W. Smith, P.E. – Student Awards Chair*

At the November Dinner Meeting, the Section once again recognized the outstanding academic achievements of four students from the Section’s Student Chapters; this was the 28<sup>th</sup> year that these academic scholarships have been presented. This scholarship award is available to students who either attend one of the six colleges/universities within the boundaries of the Central PA Section: Bucknell University, Penn State University – Harrisburg, Penn State University – Main Campus, Penn College of Technology, Messiah College, and York College or reside within our Section’s geographical boundaries. This year, a total of 14 students applied for four (4) \$2,000 awards. The award winners were Regina Peluzzo (Penn College), Nathan Myers (Messiah), Isabelle Macioce (University of Pittsburgh-Johnstown), and Peter Collins (PSU-Main). Congratulations once again and continued success throughout the remainder of your academic career and into your professional careers.

**Each year, the Student Awards are generously funded by the Geo-Institute with proceeds from the Central PA Geotechnical Conference.** The next Geotechnical Conference will be held in Hershey, PA from April 22<sup>nd</sup> thru 24<sup>th</sup>.



**Regina Peluzzo**



**Nathan Myers**

## 4th Annual Water-Themed Trivia Night ASCE Central PA YMG, PA-AWWA, & CPWQA Philadelphia vs. Central PA vs. Pittsburgh

Submitted By: Sarah Ehrman, EIT, ENV SP

On October 24<sup>th</sup>, 2019, the ASCE Central PA Younger Member Group (YMG), the Pennsylvania Section of the American Water Works Association Young Professionals (PA-AWWA YP), and the Central Pennsylvania Water Quality Association (CPWQA) co-hosted a local networking happy hour to participate in the fourth annual PA-AWWA Water-themed Trivia Night. The event was held coincident with similar events in Philadelphia and Pittsburgh, co-sponsored by PA-AWWA, the Western Pennsylvania Water Pollution Control Association (WPWPCA), the Pennsylvania Water Environment Association (PWEA), and the Pennsylvania State Section of the American Water Resources Association (PA-AWRA). This was the first year that this event was held in Central PA, and was held at Marzoni's Brick Oven & Brewing Co. in Mechanicsburg, PA. Sponsoring organizations provided food for all attendees.



Locally, students and industry professionals formed two teams to answer trivia questions relating to the water, wastewater, and stormwater industries and competed for \$350 in prizes generously donated by Gannett Fleming, Riordan, and Geiger Pump & Equipment. A few of the questions the teams were asked to answer included:



1. What country was in the news a lot in 2019 for being plagued with 'fatbergs,' especially one that was over 200 feet long?
2. In addition to the unit for peak runoff flow, what is another common term with the abbreviation CFS for E&S control?
3. While analyzing a pumping application, the most ideal point of operation is commonly known as this.



**1st Place: What the Floc**

After five rounds of questions, the top prize was claimed by the team "What the Floc" with 34 points, followed by "The Rapid Mixers" with 11 points.



**2nd place: The Rapid Mixers**

Answers: 1. England 2. Compost Filter Sock 3. BEP (Best Efficiency Point)

The logo for the Future City Competition. The words "future City" are written in a blue, lowercase, sans-serif font. The letters "u", "t", "u", "r", "e", "C", "i", "t", "y" are connected to a green, curved line that represents a horizon or a city skyline. Below this line, the word "COMPETITION" is written in a bold, green, uppercase, sans-serif font.

# future City COMPETITION

## **FUTURE CITY COMPETITION UPDATE & HOW YOU CAN HELP**

The Central Pennsylvania Future City Competition will be held on January 18, 2020 at the State Museum in Harrisburg. In the competition, students work with a teacher and engineering mentor as they create cities of tomorrow using SimCity software; build a large, 3-D tabletop model of recycled materials; write an essay; and create an oral presentation. More than 30,000 students from 1,100 schools participated in Future City last year. This year's topic is: ***Design a Resilient System to Maintain a Reliable Supply of Clean Water.*** We will once again send the winner of our competition to Washington, D.C. to compete nationally.

Here's how you can help:

**ENGINEERS:** You can help out during the Competition by being a Judge.

**COMPANIES:** Companies can help with monetary donations or donations of prizes and small gifts for the students. All help is appreciated.

**EVERYONE:** Want to help, but not sure if you have the time available? Be a Volunteer the day of the competition! Volunteers will help keep things running smoothly the day of the Competition, including set-up, sign-in, and distribution of itineraries, lunch, and breakdown.

For more information on judging, sponsorship or volunteer opportunities contact Steve Roman at [sroman@wbcm.com](mailto:sroman@wbcm.com).

**Save The Date**  
**April 22 – 24, 2020**

**31<sup>st</sup> Central Pennsylvania  
Geotechnical Conference  
Hershey, Pennsylvania**

- **Cody Telgheder** – Underpinning at a Nuclear Site Remediation
- **Cameron Troxel** – Large Diameter Fiber Reinforced Polymer Monopile Dolphins
- **Ed Laczynski** – LRFD
- **Gunaratnam Gnana** – US-301 Test Pile Program
- **James Long** – DCNR Dams – Restoration Priorities
- **Jeff Goodwin** – Drilled Shaft Testing and Redesign at Guilford Reservoir
- **Dr. Robert Holtz** – Prefabricated Vertical Drains – Case Histories
- **Dr. Robert Bachus** – TBD
- **Mark McNeilly** – Foundation Design for Steel Arch Railway Bridge over Genesee River
- **Allen Cadden** – Hybrid Retaining Wall at Yeager Airport
- **Michael Sydlik** – Permanent Sheet Pile Wall System – PA Turnpike MP 40.84WB
- **Dr. Ray E. Marlin** – Issues Related to Geotechnical Data Provided for Dam Foundation Grouting
- **Dr. Sebastian Bryson** – Calibration of Satellite-Derived Factor of Safety using Sensor Data
- **Stephanie Checkak** – Landslide Remediations for Highway Projects in Western PA
- **Dr. John Turner** – Case History of Engineering in Rock: Bridge Over the Rouchleau Pit, MN

To register, exhibit and obtain further information, visit our website at:

<https://central-pa-asce-geotech.org/>

Registration questions - Casey R. Grzybowski at: [kcgriz@gmail.com](mailto:kcgriz@gmail.com)  
Exhibit questions - Bruce Stegman at: [bruce.stegman@comcast.net](mailto:bruce.stegman@comcast.net)



# Volunteers Needed!

*Help us change their world!  
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**Trinity High School**  
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Infrastructure Transportation Retail Buildings

In partnership with Columbia County, Larson Design Group recently completed work on a bridge in Pine Township by designing a new structure to provide a safe and efficient crossing for the public.

The previous bridge was in poor condition with advanced section loss to the primary steel beams that resulted in a weight limit restriction of 12 tons, except combinations 18 tons. This weight restriction limited the use of the bridge for local deliveries and the local fire department. The Commissioners made this structure a priority for replacement and utilized liquid fuels funding to pay for the new structure.

The new structure remains on a similar horizontal and vertical alignment and is a 54' long prestressed concrete spread box beam bridge with an 8" thick reinforced concrete deck bearing on geosynthetic reinforced soil (GRS) abutments. The GRS abutments, which consist of layers of compacted stone placed between layers of high strength geotextile, are approximately 60 to 70 percent cheaper than conventional reinforced concrete abutments. The use of the GRS abutment savings will help the County fund their next transportation project.

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<p><b>CURRENT</b></p> <p>MAJOR URBAN AREAS CAPTURED MULTIPLE TIMES PER YEAR</p> <p>DATA UPLOADED TO WEB PLATFORM WITHIN DAYS</p>	<p><b>CLEAR</b></p> <p>VIEW CONSISTENT LEVEL OF DETAIL AT 2.8" GSD</p> <p>GET ACCESS TO VERTICAL, OBLIQUE, AND 3D DATA</p>	<p><b>CLOUD-BASED</b></p> <p>INSTANT ACCESS VIA WEB BASED PLATFORM</p> <p>EXPORT IMAGERY AND EASILY INTEGRATE INTO CAD/GIS PROGRAMS</p>
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**Gannett Fleming Receives Champion Award for Advancing Women in STEM**

The Connected Women at Gannett Fleming™ employee resource group won the Champion Award at the inaugural Women of Impact: Celebrating Women in STEM Awards Luncheon in Harrisburg.

"The gender gap in STEM fields persists and will take more than 100 years to correct on its own. So, it's up to schools and corporations to make their cultures more inclusive and help right this wrong," said Bob Scaer,

Gannett Fleming chairman and CEO. "I'm grateful to the Whitaker Center for recognizing companies that are supporting the advancement of women in our industry and honored that we are the first recipient of the Champion Award!"

This inaugural event benefits the Whitaker Center's Girls in STEM Initiative, which in the first five years has engaged more than 3,000 young girls in STEM-related activities that empower them to know they are strong enough to change the world.

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**"ELA Group Donates to Local Food Banks:**

The Thanksgiving pies came out early at the ELA Group, Inc. Employee Thanksgiving Dessert-only Luncheon in Lititz, PA. Employees shared all kinds of pies, even a pie-in-the-face contest, to benefit the Lititz Community Chest.

Before the dessert social, employees donated non-perishable food and voted, with their dollars, for one of the firm's partners to get a Pie-in-the-Face. All in good fun, the event raised nearly \$200 and over 285 pounds of food for the Lititz Community Chest.



Partner Hugh Cadzow, a good sport and top fund-raiser, was rewarded with a pie-in-the-face.

In addition, ELA Partner Matt Harlow and staff of our State College office had a non-traditional luncheon and raised \$165 for the State College Food Bank.

ELA Group is an Engineering and Landscape Architecture firm offering services to both the private and public sectors with offices in Lititz, State College and Butler, PA and Sarasota, FL."



Modjeski and Masters has been selected as the engineer of record for the design of the vertical lift span on the I Street Bridge in Sacramento, Calif. The existing I Street Bridge, first constructed in 1911, is a historic through truss swing bridge. The new bridge structure, owned by the City of Sacramento, will be built upstream of the existing I Street Bridge to enhance accessibility across the Sacramento River.

The new bridge will accommodate three highway traffic lanes, bicycle lanes, pedestrian sidewalks and a future streetcar. The 900 ft. bridge will have a 330 ft. long multi-modal vertical lift span with segmental concrete approaches.

As a subconsultant to Mark Thomas, Modjeski and Masters will be responsible for the structural, mechanical and electrical design of the new vertical lift bridge, including the foundations, substructure, towers, lift span and pier protection systems. TY Lin is the architect on the project.

Preliminary work on the project has begun, and construction is set to begin in 2021. To learn more about Modjeski and Masters' work on the I Street Bridge and other bridge projects, please visit [www.modjeski.com](http://www.modjeski.com).

## Events

<b>Event</b>	<b>Date</b>	<b>Location</b>
February Dinner Meeting	February 12, 2020	To Be Determined
March Dinner Meeting	March 11, 2020	To Be Determined
April Dinner Meeting	April 8, 2020	To Be Determined

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

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

Susquehanna Civil – Water Resource Designer, Highway Designer, Structural Designer, Right-Of-Way/Utility Coordinator, Survey CVAD Drafting Technician

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 Planning Specialist](#), [Structural Designer](#)

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](http://www.asce.org/myprofile).

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

Questions about the ASCE Central PA Section Newsletter? Send an email to Jason Taylor, Newsletter Editor, at [jtaylor@sqcivil.com](mailto:jtaylor@sqcivil.com).