

### SECTION MEETING SCHEDULE 2019-20

The Section Meeting program for the upcoming season continues to be tweaked and formalized, and our meeting program committee is busy lining up speakers and topics for what should be an interesting and informative series of meetings. As we usually do, we have provided more detailed information for the next two meetings, with dates and other “look-ahead” information known at this time provided below for future meetings, for your planning purposes. We would suggest that you use this to mark your calendar at this time and hold these dates.

As always, you are welcome to attend the meeting presentation without dinner at no cost if you prefer to do so.

Information on future meetings this season as of this printing are:

#### 2020

**January 15** (Wednesday) – Joint Meeting with American Society of Highway Engineers, Delaware Valley Section  
Radisson Hotel /Valley Forge Casino, Valley Forge. Cocktails 6PM, dinner 7PM, meeting 8PM  
**TOPIC: I-95/Scudders Falls Bridge Update**

**February** – In planning stages

**March 12** – Maggiano’s Little Italy, Center City  
Comcast Tower Construction

**April 9** – Multi-topic meeting/breakout sessions, in planning stages

**May** – Spring Social, in planning stages

#### ASCE VISION

*Civil Engineers are global leaders building a better quality of life.*

#### ASCE MISSION

*Provide essential value to our members and partners, advance Civil Engineering, and serve the public good.*

**You are remembered  
for the rules  
you break.**

– Douglas MacArthur

### NOVEMBER DINNER MEETING

American Society of Civil Engineers, Philadelphia Section

### THURSDAY, NOVEMBER 14, 2019

**Maggiano’s Little Italy**, 1201 Filbert Street (corner of 12th Street), Center City  
Cocktails 5:30 PM, Dinner 6:30 PM, Meeting Presentation Follows (approximately 7:30 PM)

**SUBJECT: Runway Rehabilitation at Trenton Mercer and College Park Airports**

**SPEAKERS: Kirsten Brown, EIT and Dale Russell, PE**, Urban Engineers, Inc.

**RESERVATION DEADLINE – THURSDAY, NOVEMBER 7.** The cost per attendee is \$40, with a half-price (\$20) cost for government agency employees and students, for reservations received by this deadline.

Reservations can be made through our website ([www.asce-philly.org](http://www.asce-philly.org)) and paid via PayPal. This option will NOT be available after the reservation deadline. Payment for reservations by check (made payable to “Philadelphia Section ASCE”) will be accepted at the reservation table at the door as an option to electronic payment. Reservations received after the deadline and “walk-ups” without prior reservations paying at the door will be charged \$50 (government agency employees and students will be charged the regular \$20 rate), and will be subject to acceptance on a space-available/standby basis.

Our “express” check-in process will be in place for those who reserve and pay via PayPal. Please print your paper ticket when you reserve and bring the ticket with you. This will allow you to enter the meeting room and bypass the registration table.

All registrations are final. Due to our commitment with event venues, cancellations or no-shows will be invoiced for the full cost of the event. Registrants are able to transfer their registrations to others without penalty.

THERE IS NO GUARANTEE THAT SPACE WILL BE AVAILABLE IF YOU DO NOT RESERVE A SPACE. Walk-ins and anyone without a reservation will be handled on a space-available basis.

As always, guests will be welcome to attend the presentation without dinner at no charge. This will be subject to room capacity constraints.

**ACCESS AND PARKING:** Maggiano’s is a short walk from SEPTA’s Jefferson Regional Rail station and a half-block from bus routes, the Subway-Surface Trolleys and the Market-Frankford Line on Market Street. There is a parking garage directly above the restaurant for which validation can be offered for a reduced price.

**SPECIAL FEATURE: Temple University Night** – The ASCE Student Chapter, Faculty and Alumni of the Department of Civil and Environmental Engineering of Temple University will be highlighted at this meeting. All Faculty, Alumni and Students are cordially invited to attend and participate.

*Continued on Page 2*

### DECEMBER MEETING MULTI-SOCIETY JOINT MEETING TUESDAY, DECEMBER 10, 2019

**DoubleTree by Hilton Philadelphia Center City**, Broad and Locust Streets  
Cocktails 5:30 PM, Dinner 6:30 PM, Presentation follows

Our Section will join this effort, sponsored by the **Engineers’ Club of Philadelphia**, along with several other technical societies, as we have done for the past several years.

Please note this time the event will be a dinner meeting (a change from the past few which were conducted at lunchtime).

More information and details on the event will be provided in the December edition of *THE NEWS*.



## PRESIDENT'S MESSAGE

Our 2019-20 Section year is well under way. Our Section's October Dinner Meeting discussed the Edge Hill Road/Tyson Avenue project in Abington Township. The presentation covered the extensive drainage improvements along both roads, traffic reconfiguration of a portion of Edge Hill Road, and one-on-one coordination with more than 350 residents whose properties were impacted by the project. This project is a great example of how Civil Engineers has an impact on daily lives of local community and society.

The October dinner meeting, along with other lunch/dinner meetings offered by our Technical Groups, has resulted in five events that provided Professional Development Hours (PDH) this early in the season. We have many more events planned for the upcoming months and hope you can join us as we all learn together.

Last month, I shared my background story with you all to give you an idea that I might see the world a little differently. You all have your own stories and it's important for all of us to respect and understand the different life experiences everyone has been through because that's what make each of us unique. We can all accomplish this by discussing Diversity & Inclusion (D&I). Our Younger Member Forum has created a Task Committee on D&I and they will create a path forward for our Section to promote D&I in our Civil Engineering community. If you have any ideas for our D&I committee or if there are topics you would like us to consider, please reach out to me.

*"I challenge us all to have the courage of our convictions to fight for a fair, justice and inclusive society."*

~Opal Tometi

Best,  
Kazi M. Hassan, PE  
President, ASCE Philadelphia Section  
kazihassan@pennoni.com | 215-254-7720

## NOVEMBER DINNER MEETING

*Continued from Page 1*

Runway rehabilitation projects restore the pavement surface and extend the life of an airport runway. These types of projects are undertaken within tight schedules to minimize impacts on airport operations. Urban Engineers led the recent design and construction of runway rehabilitation projects at two public airports, each of which serve a different type of aircraft. Trenton Mercer Airport is a small commercial service airport in New Jersey with significant private corporate jet usage, while College Park Airport is a very small recreational airport in Maryland with primarily single engine propeller aircraft usage. This presentation session will discuss the design, permitting, and construction of the two projects, highlighting the differences in each project's approach as well as the unique funding challenges faced.

Ms. Brown is a Project Engineer and Mr. Russell is a Deputy Practice Leader in the Aviation Division at Urban Engineers. They are part of the project team addressing and managing these efforts. They work out of Urban's headquarters in Center City.

Attendees will be able to earn one professional development hour (PDH) at this meeting.

**Only the mediocre are  
always at their best.**

— Jean Giraudoux

## THANKS TO OUR SPONSORS

Our Section Sponsorship program is off and running once again, with 11 firms participating at this early point in the season. We extend our special and collective THANKS to each sponsor for their financial commitment and support.

Sponsor logos are displayed in a special Sponsors section of our website. Additionally, we provide direct links to sponsors' own websites so prospective employees can review all available and up-to-date positions. We also offer sponsors the opportunity to have a "spotlight" article in an edition of *THE NEWS* as well as service as a sponsor of one of our monthly dinner meetings.

If you have an interest in joining our sponsorship program, there's still time to be part of this season's group. Please contact **Bob Wright** at [newseditor@asce-philly.org](mailto:newseditor@asce-philly.org) for more details.

## ENGINEERS WITHOUT BORDERS LOOKING FOR NEW MEMBERS

*The Philadelphia Professional Chapter of Engineers Without Borders (EWB) is looking for new members.* EWB provides many different opportunities for volunteer work and professional development. Opportunities include: international development projects in third world countries, local projects in distressed areas, mentoring of local EWB student chapters, tours, and lectures. Social events and fundraising activities are also held throughout the year. For further information, visit the website at [www.ewb-philly.org](http://www.ewb-philly.org) and/or send a message to [info@ewb-philly.org](mailto:info@ewb-philly.org).

## ASCE, PHILADELPHIA SECTION OFFICERS AND BOARD OF DIRECTION—2019-20 SEASON

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*\*In accordance with our Constitution and Bylaws, only the immediate Past President will serve on the Board, and only for a one-year term. We show the most recent three Past Presidents as has become our tradition.*

### Contact Us:

#### President—Kazi M. Hassan, PE

Highway Group Leader  
Pennoni Associates, Inc.  
1900 Market Street, Suite 300  
Philadelphia, PA 19103  
215-254-7720; kazihassan@pennoni.com

#### Secretary—Mohamed Elghawy, PE

Construction Manager  
Traffic Planning & Design, Inc.  
Sanatoga Commons  
2500 E. High Street, Suite 650  
Pottstown, PA 19464  
610-326-3100; melghawy@trafficpd.com

### PUBLICATIONS COMMITTEE

#### Editor of *THE NEWS*

Robert Wright

#### Section Outreach Coordinator

Mohamed Elghawy

#### Staff Writers

Assunta Daprano, Lindsay Chateauvert

#### SEND COPY TO:

ASCE, c/o Urban Engineers, Inc.  
530 Walnut Street  
Philadelphia, PA 19106

**COPY DEADLINE FOR  
DECEMBER 2019 ISSUE  
NOVEMBER 15, 2019**

## YOUNGER MEMBER FORUM NEWS

**Assunta Daprano**, Forum Editor  
**Jesse Gormley**, Forum President 2019-20  
 Pennoni Associates  
[jgormley@pennoni.com](mailto:jgormley@pennoni.com)



## ASCE STUDENT CHAPTER LEADER MEETING SEPTEMBER 24

YMF College Contact Co-Chairs, **Tyler Farley** and **Paige Glassman**, met with ASCE student leaders from Drexel University, Temple University, Widener University and Villanova University at Drexel on September 24 to discuss the upcoming school year. Tyler and Paige explained this year's upcoming #ASCEMadeMe Challenge, ASCE Sustainable Solutions Challenge, the YMF Mentorship Program, upcoming events, and Student Chapter proceedings, including the Student Chapter presentations at the upcoming Section Dinners.

Potential event ideas were discussed, such as mini versions of the larger ASCE regional competitions, Engineering Field Day, additional student-only construction tours, and CADD workshops. The Chapter leaders brainstormed qualities about each of their respective programs, and would enjoy future meet-ups among the different Student Chapters. Drexel's ASCE Student Chapter was recognized as the winners of the 2018-19 #ASCEMadeMe Challenge, and the certificate reward will be presented at the ASCE College Bowling event on October 23.

The following students will represent their respective Chapters in leadership positions:

**Drexel University:**  
 Marina D'Souza, President  
 Callan Daley, Vice President

**Temple University:**  
 Ian Nelson, President  
 Cassandra Snook, Vice President

**Villanova University:**  
 Edward DePaola, President  
 Hannah Booz, Vice President

**Widener University:**  
 Brinn Hindermeyer, President  
 Peter Stiles, Vice President

## ECP MULFORD CLASSIC GOLF OUTING OCTOBER 14

Members of the YMF participated in the Engineers' Club of Philadelphia **Mulford Classic Golf Outing** at the Bala Golf Club. The threesome included **Kirsten Brown**, **Kevin Walsh** and **Dennis Wilson**, each of whom sported the new YMF golf shirt. Attendees enjoyed 18-holes of golf in beautiful October weather. During the awards dinner, the YMF was presented with the inaugural Affiliate Challenge Cup with an impressive 8-under-par round! Congratulations Kirsten, Kevin and Dennis!



## TIME TO PAY YOUR DUES (AGAIN...)

By now you should have had your dues statement/invoice for 2020 for a few weeks. Even though it probably seems as if you just paid this, it's renewal time once again. As noted on the invoice, you can pay by check or electronically. Either way, please don't forget to pay your ASCE and Philadelphia Section dues (both are due on January 1, with some incentives currently being offered for early renewal).

*Continued in next column*

## HOLD THESE DATES

### ENGINEERS WEEK EVENTS SCHEDULED

The Engineers' Club of Philadelphia, through its Delaware Valley Engineers Week Committee, will be celebrating **Engineers Week 2020** from **February 13 through February 22**. We have traditionally extended our local celebration beyond that recognized by National Engineers Week to include our kickoff event.

Engineers Week in the Delaware Valley will officially begin with the Engineers Week Opening Dinner on **Thursday, February 13** (two days before National E Week begins). At this event, we will introduce and formally induct the Delaware Valley Engineer of the Year and Delaware Valley Young Engineer of the Year, as well as highlight the various contributions of Engineers and Engineering students. All Engineers Week award and scholarship recipients will be cited at the Dinner.

The **Young Engineers Social** will be conducted on **Tuesday, February 18**. This is a networking and social event to cite the newly-inducted **Delaware Valley Young Engineer of the Year**.

Please note this information in your calendar and plan to participate. More details on venues and pricing will be included in future updates.

Please visit the recently-revamped Engineers' Club website, [www.engrclub.org](http://www.engrclub.org), for more information and updates.

### NEWS FROM ASCE NATIONAL

#### "INCREDIBLE JOURNEY" TAKES GUNALAN INTO ASCE PRESIDENCY

**Kancheepuram Gunalan's** ASCE presidential year started with a beautiful speech ... by his children. "When I look at my father now, with everything in the past stripped away, I don't see him for what he's done but for who he is," his daughter, **Pallavi Gunalan**, told the crowd on October 12 at the ASCE National Convention in Miami. "I see him for his empathy and his kindness."



Gunalan, Ph.D., P.E., D.GE, F.ASCE, better known as "Guna," was inducted as the 2020 National President during the Society's annual business meeting at the Convention, taking the ceremonial gavel from **Robin Kemper**. Both Pavalli and Guna's son, **Kabilar**, spoke with love and respect for their father before attendees gave him a standing ovation.

"It is, as they say, unreal," Gunalan said. "When I look back to see where I started and where I am now, to lead the organization, to represent the profession and the members, it's unbelievable. It's been an incredible journey so far, and I'm looking forward to an amazing one ahead of us too." He is senior vice president of alternative delivery at AECOM, based in Salt Lake City, Utah. Born and raised in India, the son of a former member of Indian Parliament, Gunalan came to the United States in the early 1980s to pursue his Civil Engineering education and career.

Gunalan uses the word "coalesce" as a touchstone for what he hopes to help ASCE accomplish during his presidential year, and noted, "We want to focus our attention on specific things that are going to have a high impact. We must continue to stay nimble," Gunalan said.

**Pay Your Dues (continued)** Keep in mind that your membership entitles you to be eligible for ASCE Member Advantages. These encompass benefits in several member discount programs including professional liability insurance, life insurance, credit cards and banking services, and rental car discounts. ASCE always looks to negotiate the best deal for members. Similarly, when members save through these programs, ASCE earns revenue that helps keep your dues rates as low as possible. Please check [asce.org](http://asce.org) for the details on these offers and programs.

There are additionally a number of free eLearning Webinars available to help you develop critical career skills, with topics covering a broad range of technical interests, leadership development tools, and key member programs. Many of these offer professional development hour (PDH) credit that you may need for your license renewal. Often these PDH's are valid in states such as Florida and New York, which are not all that easy to obtain given those states' pre-approval requirements. In the past year the number of free PDH courses has doubled (from 5 to 10), so this is indeed a valuable benefit.

Your dues are vital to the support of our Section's activities. We appreciate your ongoing support.





## PA REPORT CARD CATEGORY OF THE MONTH: SCHOOLS

Statewide, school districts are spending \$500 million less than the recommended standard for public school facility operation and maintenance each year. Additionally, the school funding debt in Pennsylvania is double the national average and is the second highest in the country. Despite the funding gap, most schools are in good condition with some repairs needed and capacity is sufficient. However, many older school buildings are in need of lead paint and asbestos remediation. Reportedly, half of Pennsylvania's school districts do not have an asset management plan for their schools. Nevertheless, the Commonwealth remains a leader in the construction of energy efficient school facilities with over 100 LEED certified schools. More funding and focus on condition as well as on-going maintenance and operation of facilities is needed for school infrastructure to be considered fit for the future.

**Compelling Statistic:** School funding debt in Pennsylvania is double the national average and is the second highest in the country.

Please visit [www.pareportcard.org](http://www.pareportcard.org) for more information.

## N-ASCE\*

### THE THREE-POINT SEATBELT TURNS 60, AND IT'S A DAMN HERO

What do you wear every time you get in the car that's thin, smooth, and is believed to have saved over a million lives? That would be the three-point seatbelt, and you have Volvo to thank for its presence in your car. This past August, it turned 60, and it's still going strong, even if you might take it for granted. So, let's buckle in for the quick history of this critical creation and how it came to be in every new car.

In the late 1950s, as personal cars became more popular and prevalent, passenger safety was generally bleak. If seatbelts were included at all with a new vehicle, they were usually of the lap variety. While better than no belts, lap belts distribute those decelerative crash forces over a narrower area of your body than a multipoint belt and also don't restrain your torso in any way, leaving that and your head free to move about the cabin during an impact. Considering how, at that time, bare-metal interior surfaces were still the norm (as opposed to today's padded and plastic-riddled cabins), and most occupants were like yolks in an egg, waiting to be scrambled, something was needed. Nils Bohlin, a former aviation engineer,

was hired by Volvo and tasked with putting his specialized knowledge and expertise in the development of ejection seats for aircraft toward analysis of the impact of these extreme forces on the human body and focusing it on keeping occupants inside a vehicle.

Surprisingly, Volvo readily admits there was a nascent three-point belt that preceded its own. Its straps formed a Y shape, with two portions of the belt vaguely mimicking today's V-shaped shoulder and lap belts but meeting over an occupant's belly, not at the side of the seat. A third leg of the belt would tie that over-the-tummy intersection to an anchor next to the seat. Trouble is, this arrangement placed a lot of belt over squishy terrain and was said to be finicky to put on.

Bohlin believed that, while Y-shaped belts marked a step in the right direction in terms of adequately distributing crash forces over a wider area, it was equally important to ensure those forces were distributed across strong areas of the body. So, instead of running belts willy-nilly across occupants' bodies, Bohlin designed a belt pathway that crisscrosses the most robust pieces: the shoulder, chest, and pelvic bone.

Ease of use was a key consideration, and Bohlin settled on a simple V shape, which enabled users to reach over, grab the buckle, and pull it (and with it, the shoulder and lap portions of the belt) across their body to the latch at the base of the seat. Think about the last time you were on an airplane; even a lap belt, at least one without a wind-up reel, requires two hands to operate.

Seatbelt use being what it was in the middle of the past century, it's unsurprising that the new-fangled belt Bohlin and Volvo developed failed to catch on immediately. Even Volvo only installed the three-pointers in the front seats at first; it would take until 1967 for the automaker to add them to its cars' rear seats.

Volvo sold the first car ever with today's three-point-belt system in place to a customer in Sweden on August 13, 1959, thus becoming the first carmaker in the world to equip its cars with safety belts as standard. After that, it spent years convincing the rest of the auto industry that belts were valuable lifesavers. It put on numerous presentations with live-action crash-dummy demonstrations and cited data and studies proving the belts' worth. The firm even tracked down every crash involving its vehicles over one year in Sweden (28,000 total) and found data supporting unequivocally that three-point belts helped spare drivers and passengers death and reduced injuries by 50 to 60 percent.

Volvo took out an open patent on the belt design, but it would not enforce any patent violations or charge others royalties to use its three-point belts. This early open-sourcing of its technology hasn't slowed; Volvo recently announced that it will share its crash research and computer modeling with universities, researchers, and even other automakers so that others can learn from and build on its developments. As Volvo puts it, the company has "continued to prioritize societal progress over financial gain alone." It took several years after that for the feature to catch on with

## SPONSORS IN THE NEWS

**JBC Associates, Inc.** is ranked Number 15 on the *Philadelphia Business Journal's* **List of Woman-Owned Businesses** in the Philadelphia region for 2019. Research for the List is conducted annually by the Business Journal and ranking is determined based on the business revenue of the company for the previous year. JBC has consistently ranked among the top 25 woman-owned businesses in the Philadelphia area since the construction management firm entered the list in 2003.

"The success enjoyed by JBC Associates is a direct result of the hard work and commitment to excellence that is a hallmark of our organization. I recognize that every employee at JBC has done their part to make this accomplishment possible," says Janet Cunningham, President and CEO of the firm.

JBC is nationally certified as a Woman-Owned Business by the Women's Business Enterprise Council of PA-DE-SNJ, a regional certifying partner of the Women's Business Enterprise National Council (WBENC).

JBC is one of the Commonwealth's largest and most respected women-owned professional construction management firms. Last year, it celebrated its 30th Anniversary. The firm provides project management, construction management including CPM scheduling, construction inspection, contract administration, and dispute resolution services to government, institutional, and private sector clients.

To view the List of top woman-owned firms in the Philadelphia region, visit - <https://www.bizjournals.com/philadelphia/subscriber-only/2019/09/13/philadelphia-metro-area-women-owned.html>. We congratulate the firm on this honor!

other automakers and the public, and the first federal law in the US mandating seatbelts was passed in 1968.

The three-point belt has since gained inertia reels, which lock the reel during hard deceleration, pretensioners, which quickly cinch the belts tight during an impact, load limiters, which reduce forces on an occupant's chest by allowing the belt to pay out in a controlled manner during a crash, and even built-in airbags to distribute loads across a larger area.

Despite those advancements, the three-point belt's basic design hasn't changed since Bohlin created it. Today the safety device is required equipment on every new car, truck, and SUV. It is a primary restraint system, as opposed to airbags, which are deemed supplemental restraints, because they supplement the belts. You should wear Bohlin's device every time you get into a car, because as mundane as it might seem, what happens should you decide not to wear it is anything but.

Thanks to *Car and Driver* for this information.

\*N-ASCE – Not always something concerning Engineering...

## OCTOBER SECTION DINNER MEETING

October 10, 2019

Maggiano's, Center City Philadelphia

### Edge Hill Road and Tyson Avenue Improvement Project

by Jennifer Reigle, Section President-Elect, and Robert Wright, Editor, THE NEWS

Our Section opened its 107th season in good form on a pleasant early-fall day at one of our favorite meeting spots, Maggiano's, where those who have been here for past meetings know to come hungry. And over 90 of them did, many catching up after not having seen each other during our summer hiatus. President **Kazi Hassan** had the unenviable task to get folks away from the bar and conversations and into their seats to get the evening under way.

After the "Italian feast" flowed forth and dinner was winding down, President Hassan returned to front and center for a few announcements and reports, calling upon others to help as needed. Two of those others were representing the featured Student Chapter of the evening, **Widener University**,

and a good-size contingent of students wandered to Center City from campus to be there for the honors, bringing their professor, **Dr. Vicki Brown**, with them. Student Chapter President **Brinn Hindermyer** and Vice President **Peter Stiles** tag-teamed a short presentation on the many things going on at Widener.

President Hassan then asked President-Elect **Jennifer Reigle** to introduce the evening's featured speakers, **Debra Ferraro, PE**, Associate Vice President/Transportation Division Manager, and **Ian Edison**, Project Engineer, both of Pennoni Associates, who would be co-presenting on the Edge Hill Road and Tyson Avenue Improvement Project in Abington Township. Ms. Ferraro was first-up and explained the project need and timeline. It began in 2004 as a feasibility study to examine these parallel roadways in the Township, which combine to provide an essential link across the Ardsley and Roslyn areas in the central portion of the Township and serve as good regional connections to and from nearby employment and shopping centers. The feasibility study was completed in 2010. After some consideration by the Township, Pennoni was given the go-ahead to enter preliminary design in mid-2015 and completed the construction bid package last year.

The effort was proposed to create a one-way couple of sorts. Edge Hill Road would become one-way northbound, but the much wider Tyson Avenue would continue to be a two-way route. Ms. Ferraro outlined the extent of the work, which would also address severe overland drainage flow and impact over 200 properties that front each of these roadways as well as several side streets that connect the pair. Drainage improvements would

need to take the parallel SEPTA Warminster Regional Rail Line right-of-way into account, which is to the west of Tyson Avenue and at the bottom of the grade in this area. Drainage would be contained and handled in a Township park near the railroad. The roadway work would affect over 350 residents within the corridor, and one-on-one meetings were arranged with all of them to go



over the proposed work. Grades were a constant concern and driveways would need to be adjusted and accommodated throughout the corridor, which meant that property owners would need to be contacted and give consent. Ms. Ferraro explained the various community and stakeholder meetings that were held during project design and development to get buy-in and acceptance. With the proposed reconfiguration and changes in traffic directions, Pennoni illustrated how this would impact local residents for trips within the corridor, many of which would be slightly longer than current, particularly for those on Edge Hill Road. She showed several examples of driveways and stone walls along property frontages that would need to be addressed to make the overall improvement plan viable. Agreements were able to be reached and the project is currently moving forward in construction at an overall cost of \$17 million.

Mr. Edison added some facts and figures on the impacts of work on each property, the handling of drainage and creation of retention areas, flow diverters, and other details. He noted that a fairly complex maintenance and protection of traffic plan had to be developed to reflect the interrelation of various phases and stages of work. Additionally, the informal parking spaces frequently added onto Edge Hill Road by property owners would need to be removed but the proposed cross section provides parallel parking and shoulder space for this in addition to a sidewalk for pedestrian accommodation (which, on Edge Hill Road, is currently in the roadway). On Tyson Avenue the much more generous roadway width will be better to accommodate traffic throughout construction.

Several questions were asked about the design and coordination process and quite a few attendees commented on the amount of effort needed to complete such a challenging project.

President Hassan, who worked on the project as well, thanked the presenters and gave them each our Section speaker recognition gift for their efforts.

## ENVIRONMENTAL AND WATER RESOURCES TECHNICAL GROUP MEETING

THURSDAY, NOVEMBER 7

**SUBJECT:** PennDOT Stormwater Control Measures Maintenance and Inspection Program

**SPEAKER:** Susan Giannantonio, PE, CPESC, NTM Engineering

**LOCATION:** Pepper's Restaurant, 239 Town Center Road, King of Prussia

**TIME:** 5:30 PM registration, 6:00 PM dinner, presentation follows

**COST:** members \$35, government employees and students \$25

**RSVP by Wednesday, November 6**

PennDOT installs Stormwater Control Measures (SCMs) to control stormwater runoff from the highway system and supporting facilities owned by the Department. SCMs are physical features designed to slow down, reduce, and/or treat stormwater runoff before it enters waterbodies and groundwater. These features are a subset of Best Management Practices (BMPs), which are effective and practical means of preventing or minimizing pollution.

Once constructed, SCMs require routine maintenance, periodic inspections, and as-needed corrective maintenance to ensure they continue to function as designed. In compliance with PaDEP's NPDES and MS4 permitting requirements, PennDOT has released a new publication outlining the Department's new standardized SCMs inspections and maintenance program. The presentation will highlight the key components of the program including the SCM inventory database, field inspections, and various maintenance activities described in the publication.

Reservations and payment can be made by PayPal at our Section's website ([asce-philly.org](http://asce-philly.org)). Payment for reservations by check can be made at the event (checks should be made payable to "Philadelphia Section ASCE"). Contact **Eric Lindhult (215-852-0068 or [eric.lindhult@gmail.com](mailto:eric.lindhult@gmail.com))** if you have any questions or if you will be unable to attend after you have registered.

Attendees are eligible for one (1) Professional Development Hour (PDH) for attending this presentation.

**Never interrupt someone  
doing what you said  
couldn't be done.**

— Amelia Earhart



## SECTION COMMITTEES

Our Section runs very well and it is mainly a result of the dedication and service of our many volunteers, both our Officers and Board Members as well as our various Committees. While many of you know the former group well, you may not be all that aware of the latter. Our Committees address many of our regular and ongoing issues and keep our Section vibrant and in the forefront of service to our membership. A list of our Committees and chairs for this season is provided below. We would like to thank all of these folks for their contributions and diligence in helping our Section do what it does.

Additionally, if you have a particular interest in helping the Section as a Committee volunteer, please reach out to us at [info@asce-philly.org](mailto:info@asce-philly.org) or through our Section Secretary, **Mohamed Elghawy** (contact information is provided on page 2).

**Audit** – Briana Earle

**Awards** – Bob Wright

**Engineers Week Hall of Fame Recognition**  
– Ruben David

**Budget and Finance** – Joe Natale

**Civil Engineers in Government** –  
Jeanien Wilson

**College Scholarship** – OPEN

**Communications** – Mohamed Elghawy

**E-mail Outreach** – Andrew Bechtel

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**Sponsorship** – Bob Wright

**Continuing Education** – Briana Earle

**Humphrey Fund** – John Zarsky

**Membership** – Andrew Bechtel

**Mural** – Angelo Waters

**Nominating** (for Board Positions) –  
Kazi Hassan

**Program** – Jen Reigle

**Venue Coordination** – Troy Illig

**Project Build** – Tania O’Kane

**Report Card Promotion** – Cricket Schreppler

**Society Relations** – Cathy Farrell

**Region 2 Director** – Jack Raudenbush

**Region 2 Governors** – Carol Martsof,  
Angela Marie Mayer, Carrie Nicholson,  
Patrick Sullivan

**Region 2 Younger Member Representative** –  
OPEN

**PA Council** – Cathy Farrell, Bob Wright

**Legislative Affairs** – Spencer Finch

**Subsidiary Groups** – Briana Earle

**Construction Management** –  
Dennis MacBride

**Delaware Valley GeoInstitute** – Russ Preuss

**Environmental and Water Resources** –  
Eric Lindhult

**Structural Engineering Institute** – Dan Kucz

**Transportation & Urban Development** –  
Bill Thomsen

**Younger Member Forum** – Jesse Gormley

**Spring Social Committee** – Troy Illig



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