

100TH ANNIVERSARY EVENTS - SAVE THE DATES!

Our 100th Anniversary season is winding down, and our regular Section Meetings will consist of those reported separately in this edition of *THE NEWS*. However, our special Anniversary events are coming shortly, so please put these dates in your calendar and watch for more details in the April issue of *THE NEWS*.

The concluding event of our season is usually the Spring Social and Dinner Dance. For our 100th Anniversary, we are planning a gala dinner that will combine the functions of the Social with a commemorative dinner for this Anniversary. As we have reported previously, this will be held on **Saturday, May 4**, at the **Franklin Institute**. A cocktail hour will begin at 6:00 PM with dinner following at 7:00 PM and festivities after dinner. A DJ will provide musical entertainment during the evening for your listening and dancing pleasure.

We are also scheduling a family event at the **Camden Riversharks** minor league baseball game against the York Revolution on **Saturday, June 8**. Our Section will have use of the picnic area in left field, with access to food and soft drinks as part of the package (alcohol is available but at your cost). The game will start at 5:30 PM. Children attending the game will be eligible for selection for various contests that will be conducted during the game, such as running the bases, and spending time in the Fun Zone. Our Section's name will be displayed as an attending group during the game. A fireworks display will follow the game and our group will be permitted to view the fireworks from the playing field.

More information on cost and reservation for each of these two events will be included in the April edition of *THE NEWS*.

We hope to see you at each of these as we celebrate our successful 100th season!

**MAY JOY AND PEACE
SURROUND YOU,
CONTENTMENT LATCH YOUR DOOR,
HAPPINESS BE WITH YOU NOW,
AND BLESS YOU EVERMORE.**



MARCH DINNER MEETING

American Society of Civil Engineers, Philadelphia Section

THURSDAY, MARCH 14, 2013

Loews Hotel, 1200 Market Street, Center City Philadelphia

Cocktails 5:30 PM • Dinner 6:30 PM • Meeting 7:30 PM

SUBJECT: Philadelphia International Airport (PHL) Master Plan and Improvements

SPEAKER: Mark Gale, Chief Executive Officer, PHL, Philadelphia Department of Commerce, Division of Aviation

RESERVATIONS MUST BE SUBMITTED BY THURSDAY, MARCH 7. For reservations submitted by the deadline, the cost per attendee will be \$40, with a half-price (\$20) cost per government agency employee and students. 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), but will be subject to acceptance on a space-available basis. **THERE IS NO GUARANTEE THAT SPACE WILL BE AVAILABLE IF YOU DO NOT RESERVE A SPACE.**

Checks should be made payable to "Philadelphia Section ASCE" and sent to ASCE, Engineers' Club of Philadelphia, 215 S. 16th Street, Suite 16, Philadelphia, PA 19102. Reservations can be made via e-mail at info@asce-philly.org or electronically through our website (www.asce-philly.org) and pay via PayPal. **PLEASE NOTE THAT PayPal WILL NOT BE AVAILABLE AS A PAYMENT OPTION AFTER THE RESERVATION DEADLINE.**

The Philadelphia International Airport (PHL) has embarked on its CEP (Capacity Enhancement Program), a \$1 billion-plus ambitious capital and master plan to dramatically overhaul the existing facility for its future needs and operations. Passenger volumes at PHL have consistently grown over the past 10 years and recent airline mergers and market changes have contributed to this increase in usage. PHL's "footprint" is very limited – it is the smallest of the 30 major airports in the United States in terms of land area it occupies – and its expansion is greatly constrained on all sides. The CEP has identified ways to improve various aspects and portions of the facility to accommodate the planned growth in passenger volume and continue to make PHL a world-class airport.

While the CEP will be the guidance document for the long range (over the coming 10 to 15 years), there are shorter-range improvements planned to allow for continued efficient operation within the crowded airspace in the Northeast Corridor, as well as landside enhancements and other planned work. The recent merger of US Airways, the largest carrier at PHL, which provides a major hub for its operations, will necessitate other changes. As well, the newly-formed American Airlines will look to new operational possibilities that will have effects on the PHL facilities and terminals.

Continued on Page 2

Resolve to attend ALL Section Meetings!

APRIL DINNER MEETING

American Society of Civil Engineers, Philadelphia Section

THURSDAY, APRIL 11, 2013

The Mansion at Villanova Conference Center

601 County Line Road, Radnor, PA

Cocktails 5:30 PM • Dinner 6:30 PM • Meeting 7:30 PM

Following the pattern established three years ago, this meeting will consist of a dinner with subsequent "breakout" sessions on several different topics. More information will be provided in the April edition of *THE NEWS*.



PRESIDENT'S MESSAGE

As I write this, Engineers Week is upon us once again. Since 1951, this week has been set aside each year to help increase public understanding of the Engineering profession. It is also the time of year where technical societies come together and celebrate our accomplishments and recognize our professionals. In that context, there are two programs recently undertaken by the Engineers' Club of Philadelphia which seem appropriate to highlight at this time.

"Engineering in the City" is a program developed by the Philadelphia Engineering Foundation in conjunction with the Franklin Institute. The program is a self-guided walking tour designed for the public to better understand how Engineering has played a role in creating some of the City's most recognizable landmarks and some lesser-known attractions. Please visit <http://pefound.org/eic/> for a map and for additional information. I am proud to say that Section is a sponsor of this effort and our landmark sign is located at the Fairmount Water Works.

"Discover Engineering in Greater Philadelphia" is a recently completed website produced by the Philadelphia Engineering Foundation courtesy of a grant from IBM. This website is focused on K-12 outreach – identifying and inspiring the next generation of Engineers. Please visit the website (<http://www.discoverengphila.org/>) for additional information. I believe this endeavor has great potential and can yield results for years to come.

In closing, and on behalf of the Section, I would like to congratulate Charles Clerecuzio and Alan Levy on their elections as 2013 Delaware Valley Engineer and Young Engineer of the Year, respectively. Finally, I would like to thank our friends at the Engineers' Club of Philadelphia and the Delaware Valley Engineers Week Committee. Your dedicated efforts throughout the year make Engineers Week a success.

Sincerely,
Jeremy Colello, P.E.
President, ASCE, Philadelphia Section

BEANNACHTAÍ NA FÉILE PÁDRAIG!*

It doesn't seem like it should be that time already again, but the "wearin' of the green" date is almost here. And, just as expected, your Editor will put his mainly-Irish heritage to the test, cranking out another "Lightly Amusing Message from Eire" (also known as LAME) for your enjoyment (or maybe your reason to imbibe) for St. Pat's Day.

Good St Patrick's day to you and good cheer
Have a sip of aged whiskey or a mug of green beer
From the Philly Section, we give you this wish
Enjoy March 17, a great day for the Irish!

And, our "rerun" from last year, an Engineer's variation of an Irish prayer:

May the road rise to meet you
[in accordance with AASHTO vertical curve and geometric guidelines]
May the wind be ever at your back
[using the 85th percentile velocity and direction data according to the local wind rose plot]
May the sun shine warm upon your face
[at the optimal angle determined by latitude, allowing full utilization of alternate energy resources]
And the rain fall softly on your fields
[to be retained and infiltrated to decrease the burden on the stormwater conveyance system]
And until we meet again,
May God hold you in the hollow of his hand.
[we ain't touching that one!]

We'll leave you with some more Irish wishes throughout this issue.

**Beannachtaí na Féile Pádraig! (ban-ochth'-thee na fay'-le paw'-drig) – Happy St. Patrick's Day! (You should know this by now!)*

MARCH DINNER MEETING

Continued from Page 1

Mark Gale was appointed as Chief Executive Officer of PHL in December 2009 and is responsible for directing the planning, development, and administration of all the activities of the City's Department of Commerce, Division of Aviation, which includes the Northeast Philadelphia Airport in addition to the International Airport. He manages nearly 800 personnel. He additionally serves as the City's chief representative in local, state, national and international affairs in the marketing of the Airport and improving air service. Prior to being named CEO, he served in several positions over a career at the Airport that has spanned nearly 22 years.

**MAY YOU ALWAYS HAVE WORK
FOR YOUR HANDS TO DO.**

**MAY YOUR POCKETS HOLD
ALWAYS A COIN OR TWO.**

**MAY THE SUN SHINE BRIGHT
ON YOUR WINDOWPANE.**

**MAY THE RAINBOW BE CERTAIN
TO FOLLOW EACH RAIN.**

**MAY THE HAND OF A FRIEND
ALWAYS BE NEAR YOU.**

**AND MAY GOD FILL YOUR HEART
WITH GLADNESS TO CHEER YOU.**

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MARCH 15, 2013**

SECTION SCHOLARSHIPS AWARDED

The ASCE, Phila. Section is pleased to announce that Section Scholarships will be awarded at the March Section Meeting. While the number of applicants was lower than expected, the judges came through and selected the following for Student Scholarship awards.

Nathan Barry (Drexel University) and **Katie Samuelson** (Swarthmore College) were selected to receive Student Scholarships.

A Section Member Scholarship, one that is not frequently given, was awarded to **Yvan Kevin Sikali Kamdem** (Temple University).

Each student will receive \$1000. They have been invited to be the guests of the Section at our March meeting, where they will be recognized accordingly.

Thanks to the Scholarship Committee for handling this somewhat difficult task. The Committee is chaired by **Jeff Bade**, with assistance from members **Cathy Farrell**, **Jesse Gormley**, **Amanda Kessler**, **Adrienne Nikolic**, **Allison Sedor**, **Ann Tomalavage** and **Bob Wright**.

Also, on another scholarship "front", the Delaware Valley Engineers Week/ASCE Undergraduate Scholarship was awarded to **Andrea McFarland** (Rowan University) at the Engineers Week Awards Luncheon on February 15. The amount of this award is \$2000.

Congratulations to all of our Section Scholarship recipients!

REMINDER — SCIENCE FAIRS COMING UP

The Delaware Valley Science Fairs will be conducted on **Wednesday, April 3**, at the **Greater Philadelphia Expo Center** in Oaks. The ASCE, Phila. Section will once again participate in the Fairs and offer four Special Awards for projects that have a Civil Engineering theme, with two awards for Grades 6 through 8 and two for Grades 9 through 12.

As usual, judges are needed for this effort. The judging will require you to spend most, if not all, of your day (approximately 8 AM to 3 PM) at the Fairs, examining and short listing possible projects in the morning and then interviewing the students who assembled them and finalizing the selections in the afternoon.

If you are interested in being a Special Awards judge for the Section please contact **Chris Rood** at chris.rood@aecom.com. We hope you can join us for a rewarding and interesting day.

FACEBOOK: <https://www.facebook.com/YMFPhilly>

TWITTER: http://twitter.com/Philly_YMF

QR CODE:



YOUNGER MEMBER FORUM NEWS

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FUTURE CITY RECAP

On January 26, the YMF participated in the Philadelphia Regional **Future City Competition**. The competition consists of teams of 6th, 7th, and 8th graders from the Delaware Valley area. Our ASCE, Phila. Section and the YMF sponsored and presented the "Ingenious Civil Engineering" Award, which was won by Stewart Middle School. YMF Board Members also volunteered as judges: **Kazi Hassan** and **Jeremy Chrzan** were Special Award Judges, and **Drew Sirianni** and **Colette Montague** were Preliminary Judges. In addition, YMF Past President **Cathy Farrell** served as a Mentor for Springfield Middle High School. YMF encourages all younger members to get involved with the Future City Competition.

17TH ANNUAL WINTER SOCIAL

On January 28, 168 Civil Engineers gathered at McGillin's Olde Ale House to celebrate the YMF's 17th annual Winter Social event. As part of the event, the YMF raised \$1,761 in raffle money which will be donated to **Philabundance**, **Habitat for Humanity** and the **Future City Competition**. YMF would like to again thank all 27 sponsors who contributed prizes totaling over \$2,700. To show appreciation to the event sponsors, the YMF has included links to each of the sponsoring companies' websites at <http://www.ymfphilly.org/jobs>.

The YMF offered two free admissions this year through Facebook. Congratulations to the winners, **Kristina Peacock-Jones** and **Aaron Roche**. In all, the event was a huge success thanks to the hard work of the YMF Board and, of course, the dedication and support of its members and their associated companies.

DREXEL AND WIDENER UNIVERSITIES VISIT RECAP

YMF members visited two local colleges to speak with Civil Engineering and Architectural Engineering students about the YMF. **Kevin Brown** and **Colette Montague** went to Widener University on February 4, while **Colette Montague**, **Jeremy Chrzan**, **Nikki Eno** and **Eammon Farley** met with Drexel University students on February 5. They discussed the benefits of getting involved with a professional society such as the YMF and they encouraged students to join ASCE. Colette delivered a presentation outlining the different activities with which the YMF is involved. The presentation was followed by a Q&A session. Colette also discussed the planned 100th anniversary scavenger hunt. Students offered some good ideas for the critical issues seminar and also some ideas for future events.

YMF CITED AT ERYMC CONFERENCE

The YMF was the recipient of the **Outstanding YMG Community Service Project** at the ERYMC conference held in Warwick, RI on February 9. The award plaque pictured below was presented to YMF for this honor.



SAVE THE DATE

On August 21, YMF has reserved 125 tickets for the Phillies vs. Rockies, Cole Hamels Bobblehead Night. Stay tuned for more info and ticketing!

ENVIRONMENTAL AND WATER RESOURCES TECHNICAL GROUP

MARCH DINNER MEETING TUESDAY, MARCH 12

SUBJECT: Manayunk Combined Sewer Overflow Mitigation Project

SPEAKER: **Mark Bottin, P.E.**, Philadelphia Office Director, Hazen & Sawyer

TIME: 5:30 PM – Registration/Networking
 6:00 PM – Dinner
 6:45 PM – Presentation

LOCATION: **Michael's Restaurant and Delicatessen**, 130 Town Center Rd., Valley Forge Center, Route 202, King of Prussia, PA

COST: \$25.00 per member / \$15.00 per full-time student

The project involved the design and construction of a stormwater detention tank and pumping system designed to remove peak stormwater flows from the combined sewer system and prevent combined sewer overflow into the Schuylkill River. It is a part of the overall program to reduce combined sewer outfalls (CSO's) being undertaken by the Philadelphia Water Department.

DIRECTIONS to the restaurant can be found at <http://www.michaelsdeli.com/directions.asp>

RSVP: 1:00PM, Sunday, March 10

Post reservations to the website: www.asce-philly.org. Payment by PayPal can be done from the ASCE reservation website. Payment by check or cash can be provided at the meeting. Checks should be made payable to "Philadelphia Section ASCE." Contact Eve D'Onofrio at 610.630.1660 if you have any questions or if you have to cancel your reservation.

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

FEBRUARY JOINT DINNER MEETING

February 13, 2013

Crowne Plaza Hotel, Cherry Hill, NJ

Delaware River Port Authority Capital Program

by Robert Wright, Editor

The second meeting of our annual winter “road trip” found us in the territory of the South Jersey Branch of the New Jersey Section. The threat of unfavorable weather may have been a factor in the relatively small showing of Section folk at the event, where we numbered maybe a third of the 60 attendees, but the weather was kind enough to not be a factor for the trip to the Crowne Plaza and not very messy for the trip home.

Interestingly, many (if not all) of us from the “other side” of the Delaware found ourselves on a Delaware River Port Authority (DRPA) bridge for part of our journeys, so we were prepared to hear about what the Authority has in store for us and other travelers over the next few years. Branch President **Joe Janos** welcomed the crowd and opened the meeting, recognizing the meeting sponsor and welcoming Section President **Jeremy Colello** who had a few short remarks of his own. Following dinner, Branch President Janos returned to the podium and introduced the evening’s presenter, **Michael Venuto**, the Director of Engineering/Chief Engineer of the Delaware River Port Authority (DRPA).

Mr. Venuto started with a brief introduction of DRPA and its role in local transportation as the operator of four Delaware River crossings (Commodore Barry, Walt Whitman, Ben Franklin and Betsy Ross Bridges), as well as the PATCO High-Speed Line and the seasonal Riverlink ferry between Penns Landing and the Camden Waterfront. Of the bridges, the Ben Franklin is the oldest, completed in 1926, followed by the Walt Whitman (1957), the Commodore Barry (1974) and the Betsy Ross (1976). He compared the original construction costs of both the Ben Franklin and the Walt Whitman with the costs of currently-underway and recently-completed improvements.

There are several other large projects in the current DRPA capital program and Mr. Venuto briefly highlighted these. They include infrastructure upgrades and regular repairs/restoration on all four bridges as well as the complete rebuilding of PATCO’s 120-car rapid transit fleet.

Mr. Venuto gave a status update on the Walt Whitman Bridge rehabilitation that is currently underway, with the assistance of **Vijay Pandya**, DRPA’s project manager for this effort. It is on schedule (set for completion in spring 2014) and on budget (\$128 million). One of the more interesting aspects of this effort is the replacement of the suspended deck with a lightweight concrete-filled steel grid deck, which will reduce the dead load on the structure and thereby result in less wear and tear on the suspension cable system. The new deck will also be jointless, thus it will not face the problems that are inherent with deck joints. The work has been done one traffic lane at a time, thus there are seven phases of work.

Mr. Venuto outlined the PATCO car rehabilitation project, which is underway. 26 cars are currently off-site at Alstom’s facility in New York, where the work is being done. The car

body shell and trucks will be retained, but car interiors will be totally stripped and replaced, new wiring and systems will be installed, and the car exteriors will be thoroughly cleaned and sand-blasted.

As he closed his presentation, Mr. Venuto touched on several aspects of teamwork and common goals which he believed to be necessary to make the DRPA program a successful one. He and Mr. Pandya responded to several interesting questions posed by the attendees.

Presidents Janos and Colello presented tokens of the Branch’s and Section’s appreciation to Mr. Venuto for this informative session.

ENGINEERS WEEK A SUCCESS!

We hope you participated in Engineers Week this year. In case you missed it, it was celebrated locally from Friday, February 15 through Saturday, February 23.

The Delaware Valley Engineers Week Committee (DVEWC) events were popular and successful. The Awards Luncheon, conducted at the DoubleTree Hotel on February 15, drew over 200 attendees. The Young Engineers Social, at Fadó Irish Pub and Restaurant in Center City on February 19, and the Celebration of Engineering Reception on February 21, on the campus of Widener University, were similarly well attended.

As we know, the completion of this year’s events only kicks off the planning for next year’s. DVEWC, a committee of the Engineers’ Club of Philadelphia, is always in need of volunteers to assist in many of the activities surrounding Engineers Week. DVEWC has a need for your talents and skills in several diverse areas. If you are interested in volunteering or would like information on volunteer opportunities, please visit our website at www.dvewc.org.

NATIONAL REPORT CARD - UPDATED

On March 19, ASCE National will release its updated **National Infrastructure Report Card**. This will include an “app”, a pocket guide and a website. There will a section in the report card that indicates state level and even some county level information where it was available.

We encourage all members to use the Report Card to stimulate discussions in both professional and personal networks. Website images will be available at www.infrastructurereportcard.org when the Report Card is released.

We will provide more information on this in upcoming editions of *THE NEWS*.

ANACE*

MOTORCYCLE “LANE-SPLITTING”

First, there were bike lanes. Now, motorcyclists can legally create their own lanes as well. They can slide between cars and zip to where they’re going faster than everyone else - while infuriating more than a few drivers - and this has always been legal in California. But state authorities have never, until recently, told motorcyclists how to weave the white line safely.

California is the only state that permits this. To clarify things, the state’s Highway Patrol (CHP) introduced new rules in January after consulting with other state agencies and motorcycle-rider groups. The rules apply to city streets, highways and freeways across the state.

Among the new rules, there is one on speeds. Motorcyclists should lane-split no faster than 10 mph over the speed of traffic around them, and it is recommended that they not split at all if the traffic is faster than 30 mph.

CHP has always had the legal authority to ticket motorcyclists who were driving dangerously fast, but the new rules are designed to provide specifics. It believes the practice is actually safer for motorcyclists than politely staying in line in a lane, since motorcycles don’t have air bags or crash cages and riders are merely trying to protect themselves. What it has observed is that motorcyclists are involved in lane-splitting accidents much less frequently than motorcyclists running into the backs of cars.

Cyclists agree that they are more visible in side-view mirrors of cars ahead of them when they lane-split than when they are directly behind the same cars.

Thanks to sfgate.com for this information.

*ANACE—Almost Nothing About or Concerning Engineering

SPONSORS IN THE NEWS

MCMAHON EXPANDS

McMahon Associates, Inc., a full-service Transportation Engineering and Planning Firm, is proud to announce its grand opening of its newest Mid-Atlantic office in the Lehigh Valley region, one of the fastest growing in Pennsylvania. The firm continues to strategically plan to broaden its market areas, while meeting the needs of its clients. It recognizes that this region continues to develop and will face increased traffic issues and challenges.

McMahon’s newest office represents its eleventh location along the East Coast. Its other Mid-Atlantic offices are in Fort Washington (corporate headquarters), Allentown, Exton, Camp Hill, and Pittsburgh, PA; Yardville, NJ; and Bowie, MD, which employ 85 of the company’s 120 full-time employees. The firm also has two offices in Florida and two offices in Massachusetts. It offers a variety of services for both public and private clients.

177 LOCAL FIRMS MET THE MEMBERSHIP CHALLENGE!

You may recall that ASCE National held a competition to see which section would have the highest percentage of renewed members by December 14. We have listed below all of the companies and organizations in the Philadelphia Section that had 100% of their ASCE members renew by that date. Congratulations and thanks for your efforts!

If you haven't renewed your 2013 membership, please contact www.asce.org/renewal or call (800) 548-ASCE.

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SOUNDS LIKE OUR MESSAGE IS GETTING OUT THERE...?

As Engineers, we've been busy telling anyone who needs to know about the importance of infrastructure in all of its shapes and forms and why we need to continue to invest in it. It seems the message may be getting across. We hope action will follow.

In his State of the Union address on February 12, President Barack Obama addressed the nation's infrastructure needs, and declared:

"America's energy sector is just one part of an aging infrastructure badly in need of repair. Ask any CEO where they'd rather locate and hire: a country with deteriorating roads and bridges, or one with high-speed rail and internet; high-tech schools and self-healing power grids. The CEO of Siemens America – a company that brought hundreds of new jobs to North Carolina – has said that if we upgrade our infrastructure, they'll bring even more jobs. And I know that you want these job-creating projects in your districts. I've seen you all at the ribbon-cuttings.

"Tonight, I propose a 'Fix-It-First' program to put people to work as soon as possible on our most urgent repairs, like the nearly 70,000 structurally deficient bridges across the country. And to make sure taxpayers don't shoulder the whole burden, I'm also proposing a Partnership to Rebuild America that attracts private capital to upgrade what our businesses need most: modern ports to move our goods; modern pipelines to withstand a storm; modern schools worthy of our children. Let's prove that there is no better place to do business than the United States of America. And let's start right away."

The President's plan would immediately invest \$50 billion in the nation's infrastructure, with \$40 billion of the spending targeted on urgent upgrades, such as the nation's 70,000 structurally deficient bridges. However, the President did not propose a way to fund the much needed investments.

We applaud the President's efforts to improve our country's ailing infrastructure and get America back to work. Infrastructure is the foundation of our communities, and without it, our businesses, schools, and our everyday lives cease to function. ASCE has found that infrastructure investment is inherently linked to our nation's economic success. In National's "The Failure to Act" report, it was reported that our nation could eliminate potential drags on economic growth, protect 3.5 million jobs, and protect \$3,100 in annual personal disposable income if we fill our infrastructure funding gap by 2020. (Sounds like a no-brainer...)

At the state level, after many months of anticipation, Governor Corbett has recently released his proposal for the raising of over \$1 billion to go toward the Commonwealth's transportation needs. Which would cover an additional \$1 billion.

We anxiously await the realization of these proposals.

**MAY THE WINDS BLOW
MAY THE BARLEY GROW
MAY THE GUINNESS FLOW IN RIVERS
MAY WE DRINK OUR FILL
FROM VAT AND STILL
AND NOT DESTROY OUR LIVERS.**

ENGINEERING IN THE CITY DEBUTS

The hustle of daily life often means it's easy to overlook all that Engineering accomplished in the city — skyscrapers, roadways, bridges, subways, water works, the list goes on. To highlight some of the city's Engineering feats, the Engineers' Club of Philadelphia and the Philadelphia Engineering Foundation have partnered with The Franklin Institute to create a self-guided walking tour for the public to better understand how Engineering has played a role in creating some of the city's most recognizable landmarks and some lesser-known attractions.

The first of its kind in Philadelphia and new this year, the **Engineering in the City Tour** will challenge residents and tourists alike to look at the city in a new way and to appreciate the work of Engineers. Tour goers will visit the Ben Franklin Bridge, Fairmount Water Works, the Philadelphia Museum of Art and more, where designated **Engineering in the City** signs will describe the Engineering work connected to that site and a QR code will link them to this website. — www.pfound.org/eic/

Our ASCE, Phila. Section has been a participant in this effort and our sign is located near the Art Museum.

HOW DO YOU WATER A THIRSTY CITY?

By building an elaborate pumping station. At the Fairmount Works, large openings at water level let the river into the mill house. There, water-powered pumps lifted water to pipes, which led to a 3 million gallon reservoir where the Museum of Art now sits. From there, gravity moved drinking water down to the town.

Civil engineers not only plan for pumps and pipes, but must also make use of the landscape. The Schuylkill Dam directed water into the mill works. And the city established Fairmount Park specifically to protect the streams that feed fresh water into the river.

HYDRAULIC ENGINEERING

The steel openings at the water level let the river into the pumping station.

Opening in 1815, the Fairmount Water Works served as the model for more than 30 other American city water systems.



E-WEEK BANNERS ON DISPLAY ONCE AGAIN

Banners proclaiming the celebration of Engineers Week made their appearances on the street light poles on Broad Street and Locust Street near the DoubleTree Hotel (the site of the Awards Luncheon on February 15) in early February, the third year of the banner program.

You may recall that the Section helped developed the design of the original banners, which were first placed for 2006 Engineers Week. After these banners wore out (they usually last for five years), the Section, in conjunction with the Engineers' Club's Engineers Week banner program, sponsored a banner. Our Section is one of 12 societies which have participated in this effort since the start. Each banner features the name of one of these societies to recognize its participation.

It is anticipated that these banners will also have a functional life of five years, so we'll be seeing these placed for at least a couple more Engineers Weeks.

Thanks to Past Section President and Engineers Club Board Member **Chris Menna** for his leadership of this successful undertaking.



100TH ANNIVERSARY HISTORICAL PERSPECTIVE

As we have been doing each month, we offer our historical perspective as part of our 100th Anniversary celebration. Here are a few things that have happened in March.

1928 – At a Section Board meeting on March 5, a resolution was passed to authorize the printing of a tabloid newspaper to give information of interest to members. This was the start of *THE NEWS*. The very first edition hit the streets in November 1928.

1991 – A joint meeting was conducted with the South Jersey Branch, the second one after an initial try in November 1989. The February meeting has remained as such since then.

1997 – Discussions began on the sponsoring and creation of a public mural, which was realized in 1999.

THANKS TO OUR SPONSORS (AND, ARE YOU ONE YET?) !

Our “enhanced” ASCE, Phila. Section Sponsorship Program is underway. The “enhanced” part is that we have revised it to raise additional funds to support planned activities and commemoration of our 100th Anniversary year. And now, we welcome individual members to help us celebrate this special occasion.

We thank those who have made the financial commitment for this season so far, and the business cards of our 25 sponsors as of this printing are included in the sponsor section of *THE NEWS* along with their levels of support. We are halfway to our goal of \$50,000 to be raised to support our plans for this season. Your help to get us to the top is very much appreciated.

As has been done for the past several years, sponsor logos are displayed in a special Sponsors section of our website. Through a click on the particular sponsor's logo, we provide direct links to its own website so prospective employees can review all available and up-to-date positions being offered by that firm.

The “enhanced” sponsorship available for this season includes several levels of contribution, as follows:

Section Sponsor: \$300 (“standard” Section Sponsorship, the same as what has been offered for the past several years); Company business card ad in *THE NEWS*; Company logo listed on Section website

Frankford Avenue Bridge Sponsor: \$500
Same benefits as Section Sponsor, plus...
Company name listed in 100th Anniversary Events Program

City Plan Sponsor: \$1,000
Same benefits as Frankford Avenue Bridge Sponsor, plus...
Company name listed in press releases for 100th Anniversary events; Company name listed on Boards to be displayed at all events throughout the year during 100th Anniversary events

City Hall Sponsor: \$2,500
Same benefits as City Plans sponsor, plus...
Company name listed in the Landmark Guide Book; 4 Tickets to the 100th Anniversary Gala Event

Waterworks Sponsor: \$5,000
Same benefits as City Hall sponsor, plus...
One table of 10 to the 100th Anniversary Gala Event; One copy of the Published Landmark Guide; Spotlight article on your Company in an edition of *THE NEWS*.

TIME FOR INDIVIDUALS TO COME INTO THE MIX AS WELL!

For those of you who would like to help our cause as individual members or at levels below those noted above, we have opened the Individual Level of sponsorship. For a donation of at least \$100 (and we'll accept more than this!), individuals and/or firms will have their names listed in the 100th Anniversary Events Program. Checks can be sent to the Section in care of the Engineers' Club (address on the front cover of this edition).

If you have an interest in joining our sponsorship program, please contact **Bob Wright** at newseditor@asce-philly.org for more details.

TECHNICAL GROUPS/CHAIRS

Information on the ASCE, Philadelphia Section's Technical Groups is given below. Director **Eve D'Onofrio** will be coordinating the activities of the Groups. If you have any topics that you think would be of interest to the Groups, please feel free to pass this information along to the appropriate Group Chair.

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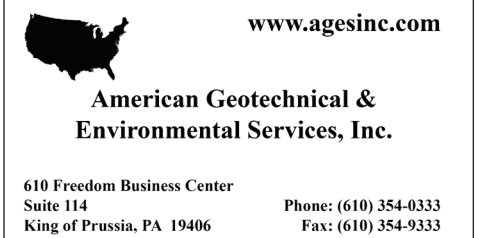
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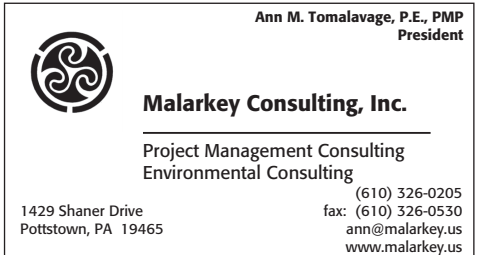
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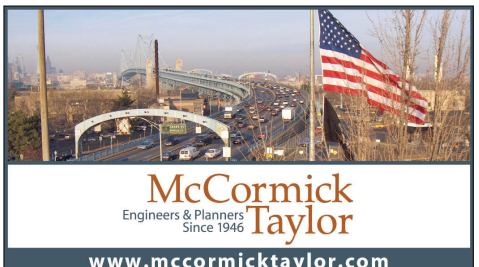
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