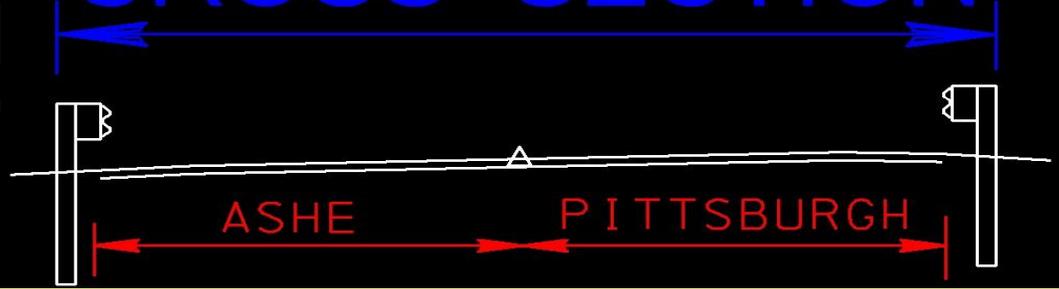




CROSS SECTION



November 2015

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Kathryn Power, P.E.



President's Message

Anthony Castellone, P.E.



As we get closer to the Holidays and the end of 2015, it is my pleasure to introduce our Fall ASHE Cross Section newsletter for your reading pleasure!

To date, we have had record attendance at our two major dinner meetings. We had a record crowd at the Hofbrauhaus on Pittsburgh's Southside for our September dinner meeting featuring Cheryl Moon-Sirianni, and 175 guests at our 46th Annual Past President's Banquet just two weeks ago. A special thank you to Steve Moore for donating his 50/50 winnings at the September meeting to the ASHE scholarship fund. Congratulations again to our Outstanding Highway Award recipients, our Immediate Past President Kathryn Power, and especially our President's Award recipient Maggie Moore whose unselfish dedication "sets the bar" for future members to step up their volunteerism to ASHE. The event backdrop was the iconic Heinz Field – complete with City of Pittsburgh skyline views—and a "halftime" performance by Steeline! In addition to these events, Dan Cessna's Young Members (ASHE & D11 Civil Engineers Council) Social at Carson City Saloon on October 29th raised \$250 for the SECA Charity; all while watching the Pittsburgh Penguins take on the Buffalo Sabres. On October 17th, yet another ½ ton of garbage was removed from the Campbells Run Road Interchange courtesy of your ASHE Adopt-a-Highway volunteers. Thank you to all who participated! Lastly, as you may have realized, we transitioned (sooner than originally expected) to an online payment system for our November dinner meeting. We hope that this will serve as a convenience to all.

While the ASHE "year" is fast approaching "Half-time," please pay attention to our web site and consider getting involved in our upcoming events: Holiday Social & Charity Fundraiser (Cheesecake Factory), Future Cities, University of Pittsburgh Transportation Forum, annual Pirates Outing and the spring 2016 Adopt-a-Highway pick-up. Also, planning is in full swing for **ASHE's National Conference at the Wyndham Grand Hotel, May 18-21, 2016 hosted by your Pittsburgh Section**, and we hope that many of you will want to take part. For this event, we will co-sponsor and participate in the National Conference Golf Outing in lieu of our Ponderosa outing.

Finally, as we wonder what will come of the ongoing Pennsylvania budget stalemate, as well as the disposition of the next Federal Transportation Bill to "fix" the broken Highway Trust Fund, I encourage each and every one of you to be grateful of the "little things" that we do as engineers and planners; things that keep our families, friends and strangers safe while traveling on our highways. It's those "little things" that matter in our business and, in too many instances, our elected government officials fail to recognize that these "little things" add up to local, regional and national economic vitality and security; all while safely moving people and goods. Keep up the fight, and let your representatives know about those "little things" that you do, as it appears we will face a constant battle for future highway funding.

In closing, I look forward to seeing many of you this Holiday season while sharing good wishes and health to you and yours...**Salute e Cent'Anni!**



Pittsburgh Section Dinner Meeting



November 10th, 2015

With

Presenters:

- Greg Cerminara, Michael Baker International
- Jim Foringer, Pennsylvania Department of Transportation, District 11-0
- Tim Taylor, Brayman Construction Corporation
- John Schwab, Trumbull Corporation
- Pasquale Paliotta, Carmen Paliotta Contracting, Inc.



S.R. 28, East Ohio Street Improvements: A Contractor's Perspective

Through careful planning, stakeholder coordination, and innovative design and construction techniques, the Pennsylvania Department of Transportation's (PennDOT) upgrade of PA Route 28 (East Ohio Street) between Millvale and Chestnut Street in Pittsburgh is completed. This two-mile segment of road has been notorious for its congestion reports on the local news channels. With much help from the Federal Highway Administration, the City of Pittsburgh, the Borough of Millvale and the many stakeholders involved, PennDOT has invested \$181 million toward making this section of PA Route 28 a top-notch transportation system. The corridor has been a valuable asset for travelers in the Pittsburgh community since the early 1800s. At one time, this major gateway supported a wooden plank road, a canal, a Belgian block street, streetcar traffic, railroads, trails and the paved state road. Now, through the combination of five construction contracts, the much needed capacity, safety and geometric improvements have been provided.

The Dinner Meeting will be held at:

Engineers' Society of Western Pennsylvania

RSVP by Friday, November 6, 2015

Registration information is available via the chapter website:

<http://pittsburgh.ashe.pro>

Online registration and payment via credit card is now available through the chapter web-page!

* NO SHOWS WILL BE INVOICED FOR THE FULL PRICE OF THE EVENT.

5:30 PM—Social Hour

6:30 PM—Dinner

7:30 PM—Presentation

Registration

\$40 Members

\$50 Non-Members

\$20 Public Employees

*Due to venue policies and popularity of our dinner meetings, we cannot accept walk-ins. Please register prior to the event or you will be turned away at the door.



Past President's Banquet

On October 24, 2015 the ASHE Pittsburgh Section honored those who have led the section at the 46th Annual Past Presidents' Banquet. This year's signature event was held at Heinz Field on Pittsburgh's North Shore with nearly 200 members and guests in attendance. ASHE's special guests were National President, Bob Hochevar, and his wife, who helped us congratulate the Outstanding Highway Engineering Award winners and honor the Pittsburgh Section's Past Presidents.

During the awards ceremony, current President Anthony Castellone presented the President's Pin and plaque to Immediate Past President Kathryn Power for her dedication of leading our Section through a successful year in 2014-2015.



Past President Kathryn Power, PE, and current President Anthony Castellone, PE

Dave Williams, on behalf of the 2015 ASHE Pittsburgh Awards Committee, presented the Outstanding Highway Engineering Awards to projects in the Pittsburgh region that were substantially completed in 2014. The awards were:



Category A: Less than \$5,000,000
Chartiers Creek Bridge No. 6 (CG06)
Allegheny County
HDR

Category A: Projects less than \$5M – Chartiers Creek County Bridge No. 6 owned by Allegheny County. The project was designed and submitted by HDR and the contractor was Swank. Mike Dillon accepted the award on behalf of Allegheny County.

Category B: Projects between \$5M – \$15M: Brookline Boulevard Improvement Project owned by the City of Pittsburgh. The project was designed and submitted by Michael Baker International, Inc. and constructed by Facchiano. Pat Hassett accepted the award on behalf of the City of Pittsburgh.



Category B: \$5,000,000-\$15,000,000
Brookline Boulevard Improvements
City of Pittsburgh,
Michael Baker International, Inc.



Category C: Greater than \$15,000,000

SR 28, East Ohio Street Improvements
PennDOT District 11-0,
Michael Baker International, Inc.

Category C: Project greater than \$15M: SR 28 East Ohio Street Improvements owned by PennDOT District 11-0. The project was designed and submitted by Michael Baker International, Inc. and constructed by Trumbull, Brayman, Pal-iotta, and Power. Kathryn Power, PE, accepted the award on behalf of PennDOT District 11-0.



This year's **President's Award** was presented to Maggie Moore in grateful appreciation of her outstanding contribution and continuing support of the Pittsburgh Section. Congratulations and Thank You to Maggie, this year's 2nd Vice President, who was instrumental to planning this banquet, and many other successful ASHE events in the past.



Entertainment for the evening was provided by Steeline, a Pittsburgh Steelers-themed drum line. Steeline's exciting and energetic performance helped set the theme in Heinz Field and added an element of surprise during dinner!

Door and auction prizes were offered thanks to the generous donations from our sponsors. Thanks to all who participated in the Auction and helped to raise over \$500 for our Scholarship Fund! The ASHE Pittsburgh Section sends a heartfelt THANK YOU to those who contributed items and donations to make this year's event such a success.



ASHE Pittsburgh would also like to recognize and thank Tom and Nancy Vandling for creating the beautiful awards that are presented to the Outstanding Highway Engineering Award winners. Tom and Nancy work behind the scenes to make sure the Pittsburgh Section has top-notch awards to present to the winners, as they have done for many years. Thank you Tom and Nancy!

Lastly, many thanks to our Past Presidents' Banquet Planning Committee, who worked throughout the year to plan this event and make it such a success: Paul Boggs, Maggie Moore, Kathryn Power, Anthony Castellone, Dave Williams, Jamie Unger, Chuck Nash, Brian Krul, Marc Garfield, Dave Mikec.



ASHE

AMERICAN SOCIETY OF HIGHWAY ENGINEERS

Past President's Banquet

Thank you to our Sponsors!

Hall of Famer

Golden Triangle Construction Company, Inc. – Monetary Donation to ASHE
Mackin Engineering Company – Monetary Donation to ASHE
Michael Baker International, Inc. – Monetary Donation to ASHE
Stantec Consulting Services Inc. – Monetary Donation to ASHE
Trumbull Corporation – Monetary Donation to ASHE



Extra Point

A&A Consultants, Inc. - P.F. Chang's Gift Card
Cardno - Field and Stream Gift Card



Two Point Conversion

Constructors Association of Western PA - Best Buy Gift Card
InfraMap Corp. - Monetary Donation to ASHE
McCormick Taylor - Lowe's Gift Card
Skelly and Loy, Inc. - Two Rivertowne Brewing Co. Gift Cards
Whitman, Requardt & Associates, LLP - Table 86 Gift Card



Field Goal

Arrow Land Solutions, LLC - Monetary Donation to ASHE
Dawood Engineering, Inc. - Monetary Donation to ASHE
Gannett Fleming - Penguins Tickets
Greenman-Pedersen, Inc. - Monetary Donation to ASHE
M.A. Beech Corporation - Can Koozie Party Favor
ms consultants, inc. - Penguins Tickets
Pennoni Associates, Inc. - Homemade Italian Wine Gift Basket and Monetary Donation to ASHE
Sucevic, Piccolomini & Kuchar Engineering, Inc. - La Tavola Gift Card
The Lane Construction Corporation - Monetary Donation to ASHE
Trans Associates Engineering Consultants, Inc. - Monetary Donation to ASHE
TranSystems - Monetary Donation to ASHE



Touchdown

American Geotechnical & Environmental Services, Inc. - Penguins Tickets
HDR - Penguins Tickets
L.R. Kimball - Steelers Tickets
SAI Consulting Engineers, Inc. - Pitt Football and Penguins Tickets
The Markosky Engineering Group, Inc. – Monetary Donation to ASHE



American Society of Highway Engineers
2016 National Conference
May 19-22

» Pittsburgh 

CALL FOR SPONSORS, ADVERTISERS & EXHIBITORS

Our Section is proud to host the 2016 ASHE National Conference next May.

To make this conference a success, we need the support of sponsors, advertisers and exhibitors. A variety of options exist that will provide you with opportunities to showcase your products and services and increase your visibility. To meet a broad range of marketing budgets, we are offering numerous sponsorship levels.

If a sponsorship is not the best fit for your company, consider being an exhibitor. We have a large exhibit hall with 58 booths available (19 premium and 39 standard), with a major event (ice-breaker) to be held in the hall on Thursday night, providing maximum exposure to your firm. The booths are going fast so we recommend ordering soon.

Best Value: a Diamond sponsorship provides numerous benefits, plus an exhibit booth!

Visit the conference website www.2016conference.ashe.pro for forms and information.

If it fits your budget, please consider committing in 2015. Early contributions will help us defray the up-front costs of deposits for the events and functions.

Please note that current Pittsburgh Section Century Club Members will receive a special discount on select sponsorships.

For sponsor questions, contact committee chair Glenn Stickel at 412.392.8771 or gstickel@saiengr.com, or co-chair Walt Krasneski at 412.392.8255 or wkrasneski@saiengr.com.

For exhibitor questions, contact committee chair Blair Stocker at 724.678.5228 or stockerbc@gmail.com, or co-chair Giuseppe Mammana at 412.375.3061 or gmammana@mbakerintl.com

CALL FOR VOLUNTEERS

If you attend dinner meetings or other functions at other ASHE Sections and would like to help spread the word about the 2016 conference, please contact PR chair Kathryn Power at 412.429.4966 or kpower@pa.gov

We have a promotional video that can be played, and a variety of materials that can be handed out.

www.2016conference.ashe.pro



ADOPT-A-HIGHWAY



ASHE Pittsburgh held its fall clean-up of the Campbells Run interchange along I-376 for our adopt-a-highway section of road on October 17, 2015.

The team had a chilly day and picked 15 bags of trash.

Thanks to the participants Chris Robinson, Tom Johnston, Anthony Castellone, John Sada, and Jessica Bladow.



ASHE Member Update

The members of ASHE would like to extend our condolences and prayers to: Member Craig A. Snatchko and his family. Craig's mother, Mary, passed away on September 10, 2015. She was 91 years old.

Anyone who has any information about members of ASHE, such as births, deaths, marriages, registrations, etc. are asked to email the information to Ron Todorowski at forthepr@yahoo.com if they would like the information to be listed in the next Cross Section newsletter.

Featured Century Club Members

Amelie Construction & Supply LLC

725 Saxonburg Blvd., Suite #2

Saxonburg, PA 16056

Phone: 724.352.4700

Contact: Danielle Proctor

Email: dproctor@amelieconstruction.com

Principals: Danielle Proctor, President; Patrick Carnevale, Vice President

Type of work performed: Road bridge and street construction including structural steel erection, structural steel rehab & repair, and concrete erection, as well as geotechnical services including caissons, soil nails, and driven piling.



Bruce - Merrilees Electric Company

930 Cass Street

New Castle, PA 16101

Phone: 724.652.5566

Contact: Douglas Little

Email: jsocchera@bruceandmerrilees.com

Principals: Jay H. Bruce, President; Justin L. Bruce, Secretary; Jonathan R. Bruce, COO

Type of work performed: Electrical Construction



Johnson, Mirmiran & Thompson, Inc.

1550 Coraopolis Heights Road, Suite 440

Moon Township, PA 15108

Phone: 412.375.5100

Contact: Steve Delong

Email: sidelong@jmt.com

Principals: Lisa Cooper, PE; Barry Epley, PE; Jack Moeller, PE; Dan Iel Cheng, PE; Rick Smulovitz

Type of work performed: Transportation



Penn Line Services, Inc.

300 Scottdale Avenue

Scottdale, PA 15683

Phone: 724.887.9110

Contact: Ryan Cramer

Email: rcramer@pennline.com

Principals: Paul Mongell, President, Mike Delmar, Vice President and CFO

Type of work performed: Seeding, Landscaping, Guiderail, Fencing, Impact Attenuators



Employment Announcements

Engineer II – Pittsburgh, PA Office – Civil



WSP and Parsons Brinckerhoff have combined and are now one of the world's leading engineering professional services consulting firms. Together we provide services to transform the built environment and restore the natural environment, and our expertise ranges from environmental remediation to urban planning, from engineering iconic buildings to designing sustainable transport networks, and from developing the energy sources of the future to enabling new ways of extracting essential resources. We have approximately 31,500 employees, including engineers, technicians, scientists, architects, planners, surveyors, program and construction management professionals, and various environmental experts. We are based in more than 500 offices across 39 countries worldwide.

www.wspgroup.com; www.pbworld.com

Position Description:

Parsons Brinckerhoff's Pittsburgh Office is seeking a qualified engineer to provide technical design support and gain experience in roadway, drainage, and site design projects. The position provides design support for a wide variety of project types and locations that range from small local projects to large national projects. The candidate must have communication skills, good work ethic, flexibility to work on a variety of projects, and the ability to work on multiple projects at a time.

The engineer will perform civil and highway related design tasks from small to large scale highway and transportation projects for PennDOT, PA Turnpike, Allegheny County, Port Authority and City of Pittsburgh. The design work will include, but not limited to: geometric studies, preliminary engineering, final engineering plan production, drainage design, hydrology studies, construction staging, quantity calculations, estimates, and other related engineering duties.

Working in a strong team environment will help keep your career continuing on the right path and provide you with multiple professional opportunities.

Requirements:

- ◆ BSCE from an accredited University or College
- ◆ 3-5 years of civil/highway engineering experience in Transportation Engineering
- ◆ An P.E in PA (preferred) or F.E. certification (or the possibility of obtaining it within six months from date of hire is required)
- ◆ Experience is required in the development of horizontal and vertical geometries using InRoads and Microstation
- ◆ Experience is preferred in drainage and E&S design drainage/stormwater management software such as InRoads Storm and Sanitary or equivalent software and HEC-RAS for H&H Reports for culverts and bridge structures
- ◆ The candidate is required to have a good understanding of civil engineering principles and practices
- ◆ Legally authorized to immediately work in the US

If you are looking for an exciting opportunity to work on exciting projects, while being part of an energetic team environment, then you should apply today!

Parsons Brinckerhoff is an equal opportunity employer committed to diversity in the work place. EOE minorities/ Females/Protected Veteran/Disabled.

For consideration, please apply online at www.pbworld.com under People & Careers/ Employment Opportunities. Job ID # is 27188.

For questions, contact Dave Cooper at cooperde@pbworld.com.

Senior Highway Engineer – Pittsburgh, PA Office – Civil



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The engineer will perform the engineering design for civil site work and roadway design for PennDOT, PTC, Allegheny County and Port Authority projects, including independent capabilities for completing horizontal and vertical geometry, drainage and E&S, quantities, and general plan preparation. The position provides an opportunity to work in a professional environment with diverse projects, working independently without supervision and as a task manager working with and directing other engineers to complete bid-ready design contracts. The position will provide an opportunity to be Project Manager or Deputy Project Manager on assignments working directly with clients along with performing some business development related tasks.

Working in a strong team environment will help keep your career continuing on the right path and provide you with multiple professional opportunities.

Requirements:

- ◆ A B.S. degree in Civil Engineering preferably with a major in transportation.
- ◆ A P.E. in PA.
- ◆ A minimum of 7 years of civil engineering design experience.
- ◆ Experience is required in development of horizontal and vertical geometries using InRoads and Micro station.
- ◆ Experience is preferred in drainage and E&S design using HEC –RAS for H&H reports for culverts and bridge structures and stormwater management/drainage software, such as InRoads Storm and Sanitary or equivalent software.
- ◆ Ability to control budget and schedule at task level.
- ◆ Ability to perform and manage a variety of technical tasks.
- ◆ Ability to coordinate technical matters between disciplines and provide direction in the best interest of the project.
- ◆ Legally authorized to immediately work in the US

If you are looking for an exciting opportunity to work on exciting projects, while being part of an energetic team environment, then you should apply today!

Parsons Brinckerhoff is an equal opportunity employer committed to diversity in the work place. EOE minorities/ Females/Protected Veteran/Disabled.

For consideration, please apply online at www.pbworld.com under People & Careers/ Employment Opportunities. Job ID # is 27189. For questions, contact Dave Cooper at cooperde@pbworld.com.

Rehabilitating Pittsburgh's Gateway from the East

By Jonathan McHugh, PE, Gannett Fleming, ASHE Pittsburgh Section

The tunnels in and around Pittsburgh, Pennsylvania, may not be as prominent as the City's many bridges, but they are just as important to its infrastructure. The Squirrel Hill Tunnel, a fixture on Interstate 376 since 1953, is a crucial component to the primary travel corridor from regions east of the city. The average daily traffic (ADT) through the tunnel totals more than 102,000 vehicles.

Although the 4,225-foot, rock-bored tunnel held up well during the past 60 years, the Pennsylvania Department of Transportation (PennDOT) and prime engineer, Gannett Fleming, determined that many of the structural, electrical, ventilation, control, and fire and life safety systems were in need of repair or replacement.

Bringing Down the Ceiling

The most visually apparent component of the Squirrel Hill Tunnel Rehabilitation project was the removal of the ceiling. The existing ceiling had nearly 18,000 square feet of severe deterioration. Preliminary design cost estimates revealed that it was less costly to remove the ceiling than it was to replace the deteriorated areas. The removal would save approximately \$3 million and provide a higher vertical clearance inside the tunnel.

The ceiling removal also gives the tunnel a less constricted feel. This allows traffic to flow more freely by reducing the "black hole effect" – the tendency for drivers to slow down while entering a darker space. This effect compounded already existing congestion issues.

In addition to raising vertical clearance, removing the ceiling allowed for the relocation of the tunnel lighting system. Removal of the ceiling and installation of the new lighting system effectively utilized the existing constraints of the tunnel to provide improved operation and maintenance of both the tunnel ventilation and lighting systems.

Another key driver of the cost effectiveness of the ceiling removal was the ability to retain the existing ventilation system. Tunnel ventilation testing and analysis revealed that for normal and emergency situations, the ventilation system performed adequately without the ceiling, as it was converted from a partially transverse to a full longitudinal configuration. A special provision was included in the contract to test the longitudinal configuration with funds set aside to design and install vane axial fans if needed to assist the air flow under normal or emergency conditions, if required. This testing, performed during a tunnel weekend closure, showed that additional fans were not needed.

Up to Code

The entire project proved to be a juggling act of balancing the multiple and varying design criteria that governed the transportation, structural, electrical, mechanical, fire life safety, and environmental aspects of the project. Nearly a dozen design codes, including AASHTO, NFPA, NEC, IES, IBC, SMACNA, PennDOT design standards, and local best practices, were employed through the duration of the upgrades.

These criteria, at times, offered competing requirements forcing the design team to make judgments as to which was more stringent and therefore controlling. In the end, many items were harmonized. For instance, the structural braces supporting the steel ventilation duct work also supported the new tunnel lighting.



Removing 18,000 square feet of severely deteriorated ceiling was a design innovation that increased vertical clearance for over-height trucks; improved visibility, which allowed motorists to maintain more consistent speeds; and yielded a \$3 million savings to PennDOT.

Complex Location

Rehabilitating a highway tunnel with all of its components is exceedingly complex and was compounded by having to maintain the high levels of traffic during construction within the restricted confines of the tunnel.

The project required balancing the many, often conflicting, needs of multiple tunnel systems and integrating them into one comprehensive project. The project site constraints created numerous challenges that affected both the design and construction of the project, including:

- ◆ The project's electrical, plumbing, and systems integration work pushed many of the construction items out of the scope of the typical transportation project.
- ◆ The West Portal Building basement, which supports the I-376 travel lanes in each direction, required complicated structure repairs.
- ◆ The project employed a complicated urban detour that affected Pittsburgh's densely populated Regent Square, Squirrel Hill, and Oakland neighborhoods.
- ◆ Many of the tunnel life safety systems were obsolete and required full rehabilitation and new SCADA interface.
- ◆ With the tunnel located in a historic corridor, Parkway East, the rehabilitation included cultural resources and historic preservation processes.
- ◆ Late in design, the project team combined two adjacent bridge rehabilitations into the tunnel rehabilitation project.
- ◆ The contractor "value engineered" the relining of the deteriorated tunnel water line, which supplied the fire hydrants within the tunnel, into a manual dry standpipe system.

The construction work time restrictions proved to be one of the biggest challenges. Because the tunnel is situated on a main artery in Pittsburgh and serves more than 100,000 vehicles daily, there were limited construction times. While some construction activities could be completed during normal working times without disrupting traffic, most of the work occurred during single-lane, nighttime closures from 10 p.m. – 6 a.m. This limited shift included the time to set up and take down the traffic control for the closures. In addition, 14 weekend full closures were provided for the contractor in order to complete certain demolition and roadway repair work that could only occur with no traffic in the tunnel.

An Improved Gateway

With I-376 traffic into Pittsburgh from the east steadily increasing and the National Tunnel Inspection Standards nearing activation, the Squirrel Hill Tunnel was in desperate need for rehabilitation. By overcoming challenges presented by the existing tunnel and developing an innovative approach to removing the ceiling, Gannett Fleming was able to achieve the goals of PennDOT and complete the project within the budget.



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The Squirrel Hill Tunnel is flanked by portal buildings on each end. These art deco-styled buildings serve as control centers for the various systems in the tunnel. They also house ventilation fans, maintenance facilities, and equipment garages.



Join us for ASHE Pittsburgh's

Holiday Party!

Our 2nd Annual Holiday Party will be at the Cheesecake Factory on Wednesday, December 2, 2015! Further details will be discussed as the holiday season approaches, but please mark your calendars for this wonderful event!

at

The
Cheesecake
Factory

Southside Works

415 S 27th St., Pittsburgh, PA

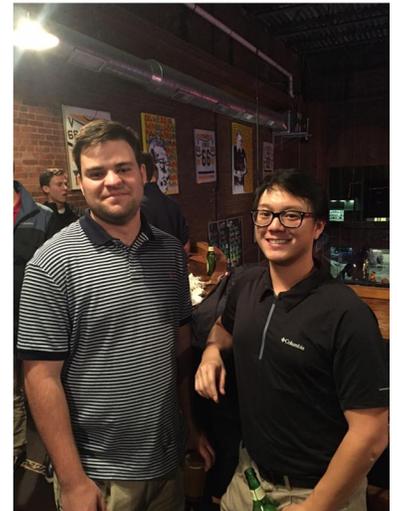




Young Member's Event!



On October 29, the Young Member Committee co-hosted an event with the PENNDOT District 11 Civil Engineers Council, benefitting charity at the Carson City Saloon during the Penguins game and Pitt Football game. The event was a great time to catch up among other professionals and to welcome some new folks to the profession. We had 30 in attendance and it was a very good time. We hope that every organization encourages their young employees to join ASHE and be involved in the Young Member events.



New Members!

ASHE Pittsburgh would like to welcome its newest members!

Dominic **Alt**ieri, Michelle Getsy, Zhenxu Hu, Tyler Kohmen,
Danielle List, Lance **Mart**in, and Wallace **Stad**tfeld

Congratulations on joining this organization to further promote a safe, efficient and sustainable highway system by means of innovation and fellowship.

We cannot wait to get to know you!

To join ASHE Pittsburgh, please contact Dave Mikec, Chairman of the Membership Committee!

D.Mikec@gaiconsultants.com



Mark Your Calendars



Upcoming ASHE Pittsburgh Events

November 10, 2015—Pittsburgh Section Dinner Meeting

December 2, 2015—2nd Annual Holiday Happy Hour

January 13, 2016—Pittsburgh Section Dinner Meeting

February 10, 2016—Pittsburgh Section Dinner Meeting

March 16, 2016—Education Seminar at University of Pittsburgh

April 2016—Adopt-A-Highway (Campbells Run Road Interchange)

May 2016—Pittsburgh Section Dinner Meeting

May 18-22, 2016—National Conference: Pittsburgh, PA—Wyndham Grand Hotel

Summer 2016—Golf Scramble

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ASHEPittsburgh](http://facebook.com/ASHEPittsburgh)



Twitter: @ASHEPittsburgh



LinkedIn: ASHE Pittsburgh

ASHE Pittsburgh thanks the 2015-2016 Century Club Members

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A. Morton Thomas & Associates, Inc.
A&A Consultants, Inc.
ACA Engineering, Inc.
AECOM
Amelie Construction and Supply, LLC
American Geotechnical &
Environmental Services, Inc.
Arrow Land Solutions, LLC
Bruce and Merrilees Electric Co.
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CDR Maguire, Inc.
CDM Smith, Inc.
Constructors Assoc. of Western PA
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Greenman-Pedersen, Inc.
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McCormick Taylor, Inc.
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Olszak Management Consulting, Inc.
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Printscape Imaging & Graphics
Rettew
Romualdi, Davidson & Associates, Inc.
SAI Consulting Engineers, Inc.
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Stahl Sheaffer Engineering, Inc.
Stantec
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Engineering, Inc.
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Trans Associates Engineering
Consultants, Inc.
TRC Engineers, Inc.
TranSystems
Tri-State Design & Development
Trumbull Corporation
Whitman, Requardt & Associates, LLP
WSP | Parsons Brinckerhoff



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This issue of the Cross Section Newsletter was designed and created by Danielle List. To report any corrections please email ListD@pbworld.com