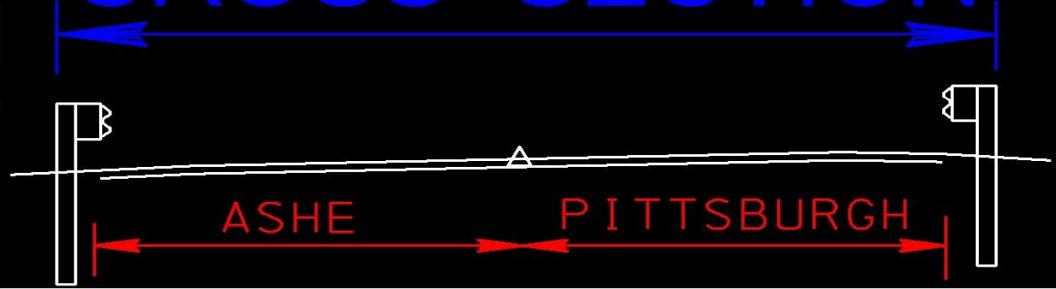




CROSS SECTION



Winter 2016

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Section Officers 2015-2016

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Kathryn Power, P.E.

REGIONAL REPRESENTATIVE

Kathryn Power, P.E.



President's Message

Anthony Castellone, P.E.

Buon Anno! (meaning, "Good Year" or "Happy New Year" in Italian!) On behalf of the ASHE – Pittsburgh family and Board of Directors, I wish you all the best of health, happiness and success, to you and your families.

Believe it or not, it is 2016 and we are past the half-way point of our ASHE year which ends May 31st. Grandma Castellone used to tell me that "time flies like an arrow"...and, though we often reflect on past memories, the optimism of future project "wins," project delivery successes and career challenges (and changes), face each and every one of us within our small community of transportation engineers, planners and contractors.



With these optimistic thoughts in mind, I might suggest that we resolve to be more grateful for careers that allow us to act as "secret-safety heroes" to the millions of people who drive on the roads and bridges that we design and build. Let us be grateful for working in an industry that brings us colleagues (and friendly competitors) to associate with and deliver next-generation infrastructure improvements for PennDOT, Pennsylvania Turnpike, Counties, Cities and local municipalities. Finally, we now have a long-awaited, multi-year Federal Transportation Bill in place to "fix" the broken Highway Trust Fund—an accomplishment by our federal legislators to certainly be grateful for!

I trust you will share my gratitude for this organization's energetic, unselfish volunteers; an organization of professionals and friends that continuously delivers a program of dinner meeting presentations, continuing education, social events and, this year, [ASHE's National Conference at the Wyndham Grand Hotel, May 18-21, 2016](#), here in Pittsburgh!

As quickly as 2015 has come and gone, trust that ASHE—Pittsburgh's participation in the Future Cities Competition and University of Pittsburgh Transportation Forum will be here before we know it. As fast as that arrow flies through air, we soon will be sharing a couple of cold ones with ASHE friends and family while watching baseballs fly at our pre-summer Pirate Outing, currently in the planning stages.

So as we count the days until May 31st, let's be optimistic that our State legislators will pass a fair and economically stimulating budget for our Commonwealth; trust that our Act 89 Transportation Infrastructure "cookie jar" remains off-limits to the aforementioned legislators; and pray that "We the People" are educated in all those political issues that will define this Election Year, selection of our next President and future direction of this great nation; political issues that can impact our careers, our industry, our families, and our optimism.

In closing, I look forward to seeing many of you at our upcoming ASHE events and encourage your involvement in our Committees and Board of Directors. Until then, **Buon Anno!**

Pittsburgh Section Dinner Meeting

Squirrel Hill Tunnel Rehabilitation Project

Jon McHugh, P.E., Gannett Fleming
&
Lou Ruzzi, P.E., Pennsylvania Department of Transportation

February 10, 2016



The Dinner Meeting will be held at:
Cefalo's Banquet and Event Center

428 Washington Ave, Carnegie, PA 15106

RSVP by Friday, February 5, 2016

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!

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.



November Dinner Meeting Recap



ASHE Pittsburgh's November dinner meeting was held at the Engineers Society of Western Pennsylvania. The topic of the meeting was Route 28 from a Contractor's Perspective and we had five great speakers discussing the recently completed project. Greg Cerminara from Michael Baker International was the moderator for the presentation while Jim Foringer from PennDOT District 11-0 discussed the oversight of the project as the owner. The meeting also included the three project managers from each of the prime contractors who completed this complex and challenging project. Tim Taylor from Brayman Construction Corporation led the discussion about the A50 Section which started just north of the Chestnut Street Overpass and extended to just south of the 40th Street Bridge. John Schwab discussed the A09 and A10 Sections that Trumbull Corporation constructed along the Norfolk Southern Rail line and along SR 0028 mainline at the 40th Street Bridge. Pasquale Paliotta was the project manager for the final section A53 constructed by Carmen Paliotta Contracting, Inc., which included the section of SR 0028 that connected to the existing road and all the artwork and finishing touches from the project.



ADOPT-A-HIGHWAY

ASHE Pittsburgh will hold its annual spring Adopt-a-Highway cleanup of the Campbells Run Road Interchange on

Saturday, April 9th at 9:00 AM!

If you have any questions please contact: Jessica Bladow at
(304)-381-4281 or
jbladow@sse-llc.com





Holiday Party Recap!



ASHE Pittsburgh's Second Annual Holiday Party was held at the Cheesecake Factory, Southside Works. There were more than 80 members in attendance for this holiday kickoff event. Members enjoyed great food, drinks, cheesecake, and excellent company throughout the evening. Proceeds from the 50/50 raffle went to the [Wallace Memorial Food Pantry](#) which totaled \$84.00. A special thank you to Sean Henderson for the great pictures. ASHE Pittsburgh will certainly maintain the Holiday Party as a tradition!





January Dinner Meeting Recap!



The ASHE Pittsburgh January dinner meeting was held at Bella Sera, Canonsburg Pennsylvania. The topic of the meeting was the SR 0079, Section 20H South Junction Interchange Ramp G-3 Tunnel. We had three great speakers discussing the recently completed project. Chuck Niederriter the Chief Operating Officer of Golden Triangle Construction introduced the project and the idea of revising the design to replace a bridge rehabilitation with a new cast-in-place concrete culvert under the existing bridge. This revision did not result in any additional cost for the project and will save millions on future projects along the corridor due to over widening of the proposed culvert. Dan Piatt a Senior Highway Design Engineer for Mackin Engineering Company was the project manager for the Ramp G-3 Tunnel and described the complexity of the design. Dan highlighted the necessary horizontal and vertical alignment adjustment that need to be made to fit the culvert under the existing bridge. The project was able to utilize the existing pavement from the old loop ramp to minimize the need for temporary pavement during construction. The presentation was finished by Dave Sciullo the Vice President of Construction at Golden Triangle Construction. Dave detailed the final construction of the culvert and provided the group with a lot of great photos of the construction showing how restricted the work area was with respect to the existing bridge.



Pennsylvania Turnpike 75th Anniversary



Imagine a time when getting around wasn't so easy. Imagine driving cross-state on mountainous, meandering two-lane roads. Stopping at intersections. Moving only as fast as the traffic ahead. That changed 75 years ago, when the first vehicles glided past gleaming toll booths, down concrete ramps and onto the Pennsylvania Turnpike. The original, 160-mile long Turnpike opened Oct. 1, 1940 becoming America's First Superhighway.



Nobody had experienced anything like it—an unbroken ribbon of concrete cutting through mountains and across valleys, bypassing towns. No stop signs, no intersections, no speed limits. The PA Turnpike received nationwide acclaim as an engineering marvel during its development in the late 1930s as America's first four-lane, limited-access highway.



When it opened, it paved the way for our nation's Interstate Highway System. The Turnpike established the national standard for superhighway design and construction more than 16 years before the first U.S. Interstate Highway. It was the granddaddy of the interstates, the model upon which other limited-access highways were built.

Today, the PA Turnpike stretches more than 550 miles—triple its original length. It continues its legacy of innovation in the ground-transportation industry with a modern-day mission to operate a safe, reliable, customer-valued toll road system that supports national mobility and commerce. Recent advances include designing and building award-winning facilities and structures, investing in wider and smoother roadways, and providing traveler benefits such as an innovative Smartphone app and a dedicated, 24/7 customer safety and response team.



Source: "America's First Superhighway," The Pennsylvania Turnpike. Online. January 11, 2016.



2016 ASHE National Conference

PITTSBURGH

May 19-22, 2016 - www.2016conference.ashe.pro

50th



The Pittsburgh Section invites you to celebrate our 50th Anniversary as an ASHE Section during the 2016 National Conference, May 19th-22nd. The Conference is being held at the iconic Wyndham Grand Hotel, located on the point of the Three Rivers of Pittsburgh.

Conference Co-Chair, Kevin Duris, welcomes your attendance, "The Pittsburgh Section, the largest with 590 members, is proud to host our 6th National Conference during our 50th year of existence. We are planning and calculating to have enjoyable, educational and exciting activities."

There's an endless list of things to do and see in Pittsburgh: The Andy Warhol Museum, Carnegie Science Center, National Aviary, Kennywood Park, Senator John Heinz History Center, Benedum Center; just to name a few. We'll take you out to a ball game Friday night at the scenic PNC Park Stadium. Conference attendees will enjoy the luxurious World-Series Suites, as we watch the Pittsburgh Pirates take on the Colorado Rockies.

In addition to the wide variety of tours and city-excursions, technical sessions will feature some of the region's most prominent and influential speakers in the transportation industry. Earn up to 4.5 PDH's during technical sessions focusing on connecting the next 50 years in transportation.

Bring your golf clubs because we'll be teeing off at Quicksilver Golf Club on Saturday morning. Tucked among Western Pennsylvania's rolling hills, you'll find the fairways lush and the greens fast and true.

We'll see you May 19th-22nd in Pittsburgh, where transportation is connecting the next 50 years.

"The ASHE Pittsburgh Section is excited to welcome ASHE national conference attendees to the Steel City in 2016. We invite you to come celebrate with us the 50th anniversary of our Section and enjoy the many amenities our City has to offer."

- Pat Kane, Conference Co-Chair

Featured Century Club Members

CDM Smith INC.
503 Martindale Street, Suite 580
Pittsburgh, PA 15212
Phone: 412.201.5500

Contact: Robert W. Pintar JR., P.E.
Email: pintarrw@cdmsmith.com

Principals: PA Office: Robert W. Pintar Jr., Matthew R. Sickles

Type of work performed: Bridge & Highway design, Construction Management, Construction Inspection services, Traffic Studies, Site Design, Bridge Inspections, Aviation Planning & Design, Transit Facilities, and Water/Stormwater Infrastructure Design



Trans Associates Engineering Consultants, Inc.
Twin Towers, Suite 400
4955 Stubenville Pike
Pittsburgh, PA 15205
Phone: 412.490.0630

Contact: James Prisk, P.E.
Email: priskj@transassociates.com

Principals: Robert Goetz, P.E.; Regis Aul, P.E.; Cynthia Jampole, P.E.; James Prisk, P.E.; Jeffrey DePaolis, P.E., PTOE; Mark Szewcow, P.E.

Type of work performed: Traffic Engineering Services; Design Services; Traffic Signal and Signal System Design; Parking



Markosky Engineering Group
3689 Route 711
Ligonier, PA 15658
Phone: 724.238.4138

Contact: Apryle M. Davis
Email: adavis@markosky.com

Principals: Joyce V. Markosky, P.E.; Mark A. Markosky, P.E.

Type of work performed: Civil Engineering, Environmental Consulting, Construction Services



Pennoni Associates INC.
Foster Plaza 9, Suite 700
750 Holiday Drive

Pittsburgh, PA 15220
Phone: 412.521.3000

Contact: Anthony Castellone, PE. PTOE
Email: acastellone@pennoni.com

Principals: John Zarsky, PE - Deputy Regional Vice President/Transportation; Todd Morris, PE - Regional Technology Principal/Transportation

Type of work performed: Transportation Engineering Design; Inspection; Construction Management; Oil & Gas Midstream Design



Employment Announcements



P. JOSEPH LEHMAN, INC.

CONSULTING ENGINEERS

Structural Engineer

P. Joseph Lehman, Inc., Consulting Engineers, has an immediate opening for an experienced **Structural Engineer to work within the Transportation Division in our Pittsburgh office** to develop, detail and check structural drawings for PennDOT and the Pennsylvania Turnpike bridge replacement/rehabilitation projects.

PJL is a full service engineering firm providing high quality engineering and design services in the transportation industry.

Qualified Applicants must possess the following:

- 10-15 years bridge design experience in transportation projects.
- PE required
- Strong technical design and planning skills
- Excellent written and verbal communication skills.
- Proficient with Microstation.
- Knowledgeable with PennDOT and Turnpike design and construction standards.

Description of Duties:

Development of bridge design calculations, quantities and drawings and checking of structural drawings and details for PennDOT and Turnpike bridge replacement or rehabilitation projects. Assist in the development of Statements of Interest, Technical and Price Proposals and related marketing activities.

PJL values its employees by offering ongoing professional development, comprehensive compensation package including competitive salary, paid holidays, PTO, health and life insurance and more.

CONTACT:

Contact Person: Martin Malone

E-Mail Address: mmalone@lehmanengineers.com

Physical Address: You may also submit a cover letter and resume to:

P. Joseph Lehman, Inc., Consulting Engineers, P.O. Box 419, Hollidaysburg, PA 16648

An Equal Opportunity Employer M/F/D/V

Employment Announcements



Highway Engineer

INFORMATION:

P. Joseph Lehman, Inc. Consulting Engineers is a professional engineering firm offering transportation engineering, environmental, geo-remediation and construction management services. **PJL currently has an opening in our Pittsburgh office for a Highway Engineer in the Transportation Division.**

RESPONSIBILITIES:

Candidate must have a strong technical background in highway design and a thorough knowledge of the PennDOT & Pennsylvania Turnpike procedures, manuals, and computer programs that pertain to highway design. Essential duties would include but are not limited to highway geometrics, roadway modeling and cross section development, grading and drainage, erosion and sediment control, stormwater management, traffic control, signing and pavement marking, utility coordination and right of way plan development.

QUALIFICATIONS:

- Bachelor's Degree in Civil Engineering
- 2 to 5 years of highway engineering and design experience
- EIT certification required, Pennsylvania PE preferred
- Proficiency in MicroStation, InRoads/Geopak, and Microsoft Office. AutoTAB, HEC-RAS, and Open Plan preferred.

CONTACT:

Contact Person: Martin Malone

E-Mail Address: mmalone@lehmanengineers.com

Physical Address: You may also submit a cover letter and resume to:

P. Joseph Lehman, Inc., Consulting Engineers, P.O. Box 419, Hollidaysburg, PA 16648

An Equal Opportunity Employer M/F/D/V

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



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:

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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.



ASHE Member Update



The members of ASHE would like to extend our condolences and prayers to:

The family of Lawrence R. Dodd's. Larry was a lifelong member of ASHE Pittsburgh, who passed away on December 2, 2015. He was 75 years old, an alumni of Penn State University, and retired from GAI Consultants in 2007.

Robert Fay, Senior, Shawn M Fay and their families. Bob's son, Robert Fay, Jr., passed away on December 2, 2015. He was 53 years old and served as the Executive Vice President of Joseph B. Fay Company.

The family of Jerry Pitzer. Jerry's mother passed away Wednesday, January 13th, just shy of 100 years old.

SAI has announced that Craig M. Broadbent has passed his Professional Engineering (PE) Exam. Congratulations!

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

New Members!

ASHE Pittsburgh would like to welcome its newest members!

Sara Hansel, Vickie Wildeman, Cassandra Schanck, Shawn Tunstall, Laura Lesher, Brian Grayburn, Haris Fetahagie, Mickey O'Rourke, John Pisula, Vince Paparella, Lisa Cooper, and Kenneth Kozioziemski

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

January 13, 2016—Pittsburgh Section Dinner Meeting

February 10, 2016—Pittsburgh Section Dinner Meeting

March 23, 2016—Education Seminar at University of Pittsburgh

April 9, 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

Get ASHE Updates on social media:

 Facebook: <http://facebook.com/ASHEPittsburgh>

 Twitter: @ASHEPittsburgh

 LinkedIn: ASHE Pittsburgh

Please stay tuned for information regarding another wonderful Young Member's Event!



ASHE Pittsburgh thanks the 2015-2016 Century Club Members

A.D. Marble & Company
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.
Buchart Horn, Inc.
Cardno TBE
Carmen Paliotta Contracting, Inc.
CDR Maguire, Inc.
CDM Smith, Inc.
Constructors Assoc. of Western PA
David E. Wooster and Associates, Inc.
Earth, Inc.
East Jordan Iron Works
Erdman Anthony
Frank Bryan, Inc.
Foresight Construction Services, LLC
GAI Consultants, Inc.
Gannett Fleming, Inc.
Gibson-Thomas Engineering Co., Inc.
Golden Triangle Construction Company
Greenman-Pedersen, Inc.
Gulisek Construction LLC
Hatch Mott MacDonald
HDR Engineering, Inc.
Hill International, Inc.
HRV Conformance Verification
Associates, Inc.
Jeff Zell Consultants
Johnson, Mirmiran & Thompson, Inc.
KCI Technologies, Inc.
L.R. Kimball
M.A. Beech Corporation
Mackin Engineering Company
Management Engineering Corp.
Markosky Engineering
McCormick Taylor, Inc.
McTish, Kunkel & Associates
Michael Baker International, LLC
Monaloh Basin Engineers
ms consultants, inc.
O.R. Colan Associates, Inc.
Olszak Management Consulting, Inc.
P. Joseph Lehman, Inc.
Penn Line Service, Inc.
Pennonni Associates Inc.
Printscape Imaging & Graphics
Rettew
Romualdi, Davidson & Associates, Inc.
SAI Consulting Engineers, Inc.
Skelly and Loy, Inc.
Stahl Sheaffer Engineering, Inc.
Stantec
STV, Incorporated
Sucevic, Piccolomini & Kuchar
Engineering, Inc.
T.W. Consultants, Inc.
Traffic Planning & Design, Inc.
Trans Associates Engineering
Consultants, Inc.
TRC Engineers, Inc.
TranSystems
Tri-State Design & Development
Trumbull Corporation
Whitman, Requardt & Associates, LLP
WSP | Parsons Brinckerhoff



c/o Jim Weaver
Jeff Zell Consultants, Inc.
2200 Liberty Avenue
Pittsburgh, PA 15222

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