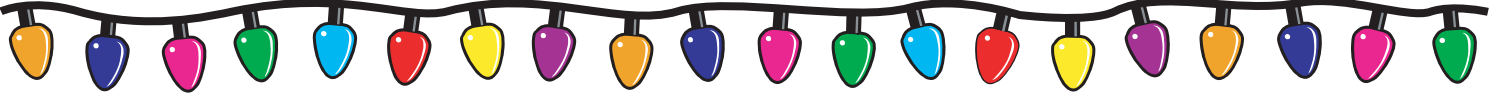


the PROFILE



Published Monthly by the Harrisburg Section



Our President's Message



Mike Perloski, P.E.

Can you believe it is already the end of 2004? It seems like just yesterday the board was sitting down in August to get organized for this years events. We are already half way through the ASHE year and have many more activities planned. January 3 is our next dinner meeting. Remember to bring an old pair of eyeglasses or a donation for our charity of the month. This past month, we supported Toys For Tots. Thanks to the US Marines.

A reminder to all, when making your reservations for the dinner meeting, we ask that you call in by Wednesday. We cannot guarantee a meal if you call in after. If you do call in and are a no show, we are billed for you dinner. Please

be considerate to those that volunteer their time to help us on planning these dinner meetings.

We had a poor turnout for our Fall Adopt A Highway litter pickup. We will be having one again in the spring. Please plan on helping out. We have over 400 members in our local section. Only 4 managed to participate. That is only 1%.

The board is considering moving our annual banquet to a new location. If you have any suggestions, please contact me at mperloski@jdeckmaninc.com. We would like to increase the attendance. What is of interest to our members? Do we

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American Concrete Pavement Association

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Site-Blauvelt Engineers

need more entertainment, less formal, lower costs, different night of the week? Please provide some feedback.

Happy Holidays to all of you. In such a hectic time, please take time to reflect on what is most important to each of us. Enjoy and I hope to see all of you at our January 3rd meeting. Remember, business casual.

(Detach and return by Wednesday, December 29, 2004, at 4:00pm)

Speaker: Fred Testa
Program: HIA Renovations

I will be attending the January 3rd meeting of the American Society of Highway Engineers-Harrisburg Section.

Name _____ Firm _____

Guest Name _____ Guest Firm _____

Contact: Andrea Hartman, Greenhorne & O'Mara, Inc. • Phone: 717-691-3355, Ext. 120 • Fax: 717-691-3366 • ahartman@g-and-o.com.

Guests are Welcome!

Location: Radisson Penn Harris Hotel (Camp Hill), Governor Room B

Attire: Business Formal

Times: 5:30 Social Hour and Cash Bar • 6:30 Dinner • 7:30 Program

Price: \$15 Per Person

Entree: Roast Pork with Apple Chutney. A vegetarian meal is available upon request.

Note: ASHE is charged for all dinner reservations. If you make a reservation and wish to cancel it, the deadline for cancellations is noon on the Friday before the meeting. If you fail to cancel by the deadline, you will be charged for the meal, regardless of whether or not you attend.

Harrisburg Section Officers

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Michael Perloski, P.E.

IMMEDIATE PAST PRESIDENT

Chuck Allwein, P.E.

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Douglas George, P.E.

SECOND VICE PRESIDENT

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LaConie "Chuck" Jackson

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ALTOONA REGIONAL DIRECTOR

Steve Roman, P.E.

NATIONAL REGIONAL DIRECTOR

Drew Bitner, P.E., P.L.S.

ASHE Standing Committees

Program	Adopt A Highway
Doug George	Jill Thompson
Jill Thompson	Brian Fraley
Steve Roman	Steve Koser
Student Development	Regional Representative
Steve Roman	Drew Bitner
Dave Kapura	Member of the Year
Catharine Miller	Chuck Allwein
Audit	Technical
Steve Koser	LaConie Jackson
Dave Kapura	Mike Ryan
John Becker	Nominating
Scholarship	Chuck Allwein
Kathy Weiser	Website
Mark Greenholt	Catharine Miller
Legislative Report	John Becker
Brian Fraley	Steve Roman
Mike Ryan	Charity Events
Budget	Kathy Weiser
Chuck Allwein	LaConie Jackson
Membership	Jill Thompson
Mike Ryan	Engineers Week
Steve Koser	Steve Roman
LaConie Jackson	LaConie Jackson
Public Relations	"The Profile" Newsletter
John Becker	David Kapura, Editor
Catharine Miller	dkapura@g-and-o.com
Kathy Weiser	

Find Us At:

Local: www.asheharrisburg.org

National: www.highwayengineers.org

IN REMEMBRANCE

This issue is dedicated to both Fred S. Faber, Jr. and Joseph Henson, Sr. They recently passed away.

Speaker and Program

Fred Testa - Director of Aviation, HIA and Capital City Airport

Alfred Testa is the present Director of Aviation of the Susquehanna Area Regional Airport Authority (SARAA) which owns and operates both Harrisburg International Airport and Capital City Airport. He previously served as Director of Philadelphia International Airport, Director of Manchester (NH) Airport and Deputy Director of T.F. Greene Airport in Providence, Rhode Island.

He received his Bachelor's Degree from the University of Rhode Island, and while studying for his MA, taught Political Science at the University of Rhode Island. He received his law degree from Suffolk University Law School and is a licensed attorney.

He has taught courses in American Government, International Relations, Business Law and Airport Management on the college level.

He is an accredited Airport Executive (AAE) by the American Association of Airport Executives.

HIA Renovations

Mr. Testa will discuss the recent reconstruction of the Harrisburg International Airport, and how it operates.

Ad Hoc Committees

Historian	ASHE/PSPE/ASCE Picnic
Mark Greenholt	Doug George
Contractor & Government Involvement	Drew Bitner
Brian Fraley	Annual Golf Outing
Steven Koser	Drew Bitner
	Douglas George

2008 National Conference

Sandi Loy-Bell

Sandy Ivory

Sixth Annual Pennsylvania Concrete Conference

The Sixth Annual Pennsylvania Concrete Conference (PCC) will again be held at the Harrisburg-Hershey Holiday Inn in Grantville on January 18-20, 2005. The Conference is hosted by the ACPA Northeast Chapter, in cooperation with PENNDOT, FHWA, and several Pennsylvania-based organizations including ACI-Pittsburgh, PACA, PCAP, PCPA, and PPA.

The Conference program includes a one-half day Concrete Paving Forum on January 18 which will include a roundtable discussion on paving issues as well as an update on PENNDOT/ACPA Concrete Pavement Task Force accomplishments. A wide range of topics and break-out sessions (Highway & Airport Pavements, Structures & Materials, Rehabilitation & Repair, Municipal Applications) are included at the Concrete Technology Seminar on January 19. The Conference concludes with five concurrent Workshops on January 20 which should be of interest to contractors, suppliers, owners, and particularly the engineering community.

The Conference Agenda, Participant Registration Form, and Exhibitor & Sponsor Form are all available on-line at www.northeast.pavement.com. For more information about the Concrete Conference, please contact Sherry Braafhart or John Becker at 717-441-3506.

January's Charity of the Month:

LION'S CLUB

Please bring used eyeglasses to the January 3rd dinner meeting.

Thank You for your support.

For more information, contact Kathy Weiser at 540-6040 or kmweiser@mccormicktaylor.com

Contact Info Updates

If your contact information changes, please contact Jenni Woodworth, Section Administrator for ASHE Harrisburg:

Pennoni Associates, Inc.
Attn: Jenni Woodworth
431 Railroad Avenue
Camp Hill, PA 17011

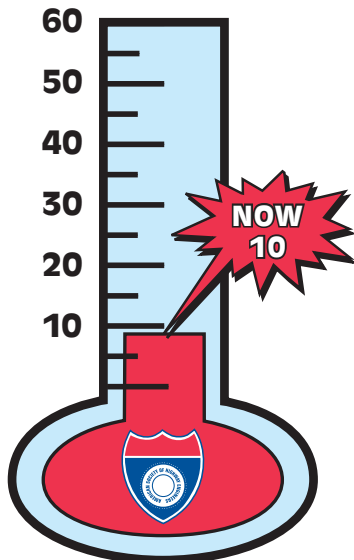
717-975-6481
jwoodworth@pennoni.com

December's Dinner Meeting Photo Gallery



Doug George, John Rautzahn, Kathy Weiser, and Lt. Col. Mark Andradi.

2004-2005 ASHE Membership Drive



District 8-0 Anticipated December 2004 - January 2005 Lettings

County	State Route	Section	Title	ECMS #	Programmed Cost	Let Date
Adams		ENH	Gettysburg Boro Walkway	59127	\$243,000	12/15/2004
Adams	2012	B04	Alloway Creek Bridge	18013	\$1,255,000	1/20/2005
Cumberland	1015	005	Center Street Bridge	66441	\$550,000	1/20/2005
Dauphin	4008	012	Little Wiconisco Crk Brg	18909	\$1,037,000	12/16/2004
Dauphin	422	015	Chocolate Avenue	71214	\$610,000	1/20/2005
Dauphin	3014	005	State/Walnut St	63750	\$1,240,000	12/16/2004
Dauphin	3015	008	Progress Ave/Paxtang Ave	63752	\$1,178,000	12/16/2004
Dauphin	3010	004	Paxton Street - 2-Way	67764	\$4,551,000	12/16/2004
Dauphin	0	ENH	Millersburg Train Station	65942	\$230,000	12/15/2004
Franklin	9900	RDW	Montgomery Alley	47874	\$2,563,000	12/20/2004
Franklin	81	040	Interstate 81 PM	70333	\$13,561,000	12/16/2004
Lancaster	3030	004	River Rd Culvert	63810	\$345,000	12/16/2004
Lancaster	4002	006	Donegal Springs Road	66448	\$900,000	12/16/2004
Lancaster	30	047	US-30 PM #2	50998	\$9,245,000	12/2/2004
Lancaster	9900	ENH	Railroad Linear Park	20133	\$467,000	1/6/2005
Lancaster		ENH	Christiana Freight Stat'n	59329	\$70,000	1/6/2005
Lancaster		ENH	RR Museum of PA Exhibits	59506	\$522,000	1/13/2005
Lancaster		ENH	RR Museum Ent Renovate 1	66395	\$303,000	1/13/2005
Lancaster	501	008	PA-501 Spot Widening	59661	\$1,466,000	1/31/2005
Lebanon	422	011	US-422 over Killing Cr	63794	\$146,000	12/2/2004
Lebanon	241	005	Elizabeth Road Bridge	61516	\$335,000	12/2/2004
Lebanon		ENH	Union Canal Tunnel Park	59508	\$301,000	12/23/2004
Lebanon		ENH	Lebanon Valley Rail/Trail	2 66503	\$288,000	1/6/2005

2004-05 CALENDAR ASHE HARRISBURG

Dinner Meetings

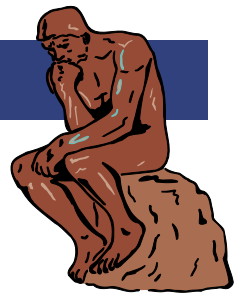
- Fred Testa - HIA Renovations* January 3, 2005
- Bobbie Vanbuskirk - Techport Business Center* February 7, 2005
- Gary Hoffman - PENNDOT Program Update* March 7, 2005
- Annual Charity Event** March 2005
- To be Determined* April 4, 2005
- Annual Banquet** May 13, 2005

2004-05 CALENDAR ASHE ALTOONA

Dinner Meetings

- Anthony's Restaurant in Johnstown* January 19, 2005
- US Hotel in Hollidaysburg* February 16, 2005
- Anthony's Restaurant in Johnstown* March 16, 2005
- US Hotel in Hollidaysburg* April 20, 2005

Note: Questions regarding ASHE Altoona activities should be directed to Michelle Jacoby, (814) 696-7101 or mjacoby@state.pa.us.



(Article from ENR 11/22/04 Issue)

We Must Reinvent The Total Engineer

From the era of King Tutankhamen when Egyptian engineers designed hidden tombs and mined gigantic stones to build the pyramids, to the turn of the 20th century when French and American engineers conceived and constructed the Panama Canal, the world's engineers were in total control of a seamless building process that included the vision, financing, design and construction of a project. But that all started to unravel in the 1970's when university engineering programs began using computer-aided engineering solutions, which significantly altered the education of the "total engineer." As a result, we're now in danger of becoming a commodity instead of a profession and the only cure is to turn back the clock.

Narrow Thinkers

Because computers hijacked the thinking process for engineers, we now are graduating students who cannot connect the dots between problems and solutions without relying on electronics—they simply can't think for themselves. Engineering schools are not addressing the issue and are producing myopic technicians instead of big picture thinkers. They are not meeting industry needs.

Engineering students today face the dilemma of having to learn computer-driven theory in school and then having to pick up applied practice over time in the field. Even most modest-sized projects today require sophisticated construction design and management knowledge and savvy owners demand that practitioners possess advanced analytical capabilities that can only come from training offered by integrated construction management programs.

We need more designers who can build and more builders who can design. We must move toward an integration of educational courses with an emphasis on both design and design application to produce well-rounded generalists rather than specialists. Specialization only comes after years of experience, not with a diploma.

Some colleges and universities now are beginning to understand that advanced construction management degree programs provide a valuable skill base to contractors and construction engineers. Undergraduate degrees prepare the student academically, but masters programs develop the "integrated thinkers" needed in today's vigorous business environment.

Limited Time

Once graduating engineers are thrust into the demanding construction world, they quickly learn that design and construction firms have limited time or means to teach their entry-level employees the skills that are demanded of them from the first day. To respond to this need, a well-rounded civil engineering curriculum should include one or two mandatory construction management courses in the junior year with a CM track available in the senior year. And, yes, computers should be used to increase student efficiency, but not to replace their thinking.

A five-year masters program is highly desirable to provide vital practical finishing skills. The fifth year is necessary to integrate theoretical design studies with the applied construction tracks through interactive learning. Capstone projects provide a valuable opportunity to design and simulate construction of a complete project.

Fortunately, Manhattan College and some other schools are beginning to offer integrated five-year masters programs. Many of these schools also offer continuing education hours to satisfy new requirements for the renewal of professional engineering licenses and to help engineers keep pace with evolving products and technology.

Short Cuts

You would never dream of undergoing complicated surgery performed by a doctor trained only in the theory of medicine. Why then should we entrust design and construction to theorists who have no practical experience or practitioners who don't have the advanced skills needed today? We need to take a lesson from those who designed and constructed the great pyramids and canals. Let's start producing total engineers again.

John Kolaya, executive vice president, Yonkers Contracting Co., Yonkers, N.Y., holds engineering licenses in New York, New Jersey. He can be contacted at jkolaya@ycc969midland.com.

Volunteers Needed for 2008 National Conference Committees

The 2008 ASHE National Conference will mark the 50th anniversary of ASHE. Region 4, which includes the Harrisburg and Altoona sections, will be responsible for hosting the event. In order to make the conference a success, Region 4 is currently seeking approximately 50 volunteers to begin the planning process. Please contact Sandy Ivory (sivory@keller.nb.net) or Sandi Loy Bell (sloy-bell@skellyloy.com) if you are interested in serving on one of the following committees:

- Registration/Reception
- Entertainment
- Exhibits
- Finance
- Technical
- Program
- Golf
- Advertising
- PR/Publicity
- Transportation
- Guest Programs



THE ASHE CENTURY CLUB

The ASHE Harrisburg Section wishes to thank the following Century Club members for their support during 2004-2005.

- ◆ alfred benesch and company
- ◆ American Concrete Pavement Association
- ◆ American Geotechnical & Environmental Services, Inc.
- ◆ Arora and Associates, P.C.
- ◆ Associated Pennsylvania Constructors
- ◆ Benatec Associates
- ◆ Buchart-Horn, Inc.
- ◆ C.C. Johnson & Malhotra, P.C.
- ◆ C.S. Davidson, Inc.
- ◆ Century Engineering, Inc.
- ◆ Dewberry-Goodkind, Inc.
- ◆ DMJM+HARRIS, Inc.
- ◆ Erdman Anthony Associates, Inc.
- ◆ ERES Consultants
- ◆ Evans Engineering, Inc.
- ◆ Gannett Fleming, Inc.
- ◆ Greenhorne & O'Mara, Inc.
- ◆ Hempt Bros., Inc.
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- ◆ KCI Technologies, Inc.
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- ◆ McCormick Taylor
- ◆ Michael Baker, Jr., Inc.
- ◆ Modjeski and Masters, Inc.
- ◆ Navarro & Wright Consulting Engineers, Inc.
- ◆ Pennoni Associates, Inc.
- ◆ Pennsylvania Asphalt Pavement Association
- ◆ Pinto Engineering, Inc.
- ◆ Rettew Associates, Inc.
- ◆ Rummel, Klepper & Kahl, LLP
- ◆ SAI Consulting Engineers, Inc.
- ◆ Site-Blauvelt Engineers
- ◆ Skelly & Loy, Inc.
- ◆ So-Deep, Inc.
- ◆ T.W. Consultants, Inc.
- ◆ Traffic Planning and Design, Inc.
- ◆ Urban Engineers, Inc.
- ◆ Whitney Bailey Cox & Magnani, LLC

The Century Club is comprised of ASHE members who have made a \$200 pledge to support the ASHE Harrisburg Section's activities. Century Club Members are prominently displayed in The Profile up to ten times a year. The Profile is issued monthly to more than 400 Section Members in South Central Pennsylvania. The Profile is also distributed to the Pennsylvania Department of Transportation's Central Office.

The Century Club is an excellent opportunity to gain recognition among your colleagues, while actively supporting ASHE. Call Jenni Woodworth of Pennoni Associates, Inc. at 717-975-6481, to make your pledge.

2005 ANNUAL PHOTO CONTEST



AMERICAN SOCIETY OF HIGHWAY ENGINEERS HARRISBURG SECTION

INTRODUCTION

- Contest eligibility is open to members and friends of the Harrisburg Section of the American Society of Highway engineers.
- There is no entry fee required and there are no geographical limits to this contest.
- Entries featuring interesting highways anywhere in the world are welcome. Roadways, bridges and tunnels are considered parts of highways.

JUDGING

- Entries will be judged at the February 2005 dinner meeting. First, second, and third place awards will be given. The winning entries will be displayed at the American Society of Highway Engineers mall display during Engineers Week. Awards will be presented to the winners at our dinner meeting in April.

RULES

- All entries must be received no later than January 24, 2005 to be eligible for judging.
- Each contestant may submit only **ONE** (1) photograph, which must have been taken by the contestant. All entries must be 8" X 10" prints. Original slides or negatives will not be accepted. Black and white or color photographs are acceptable in this competition. The contestant's name, address and work telephone number must be written clearly in ink on the back of the photograph.
- All entries must be accompanied by a brief description of the highway in the photograph. This description should fit on a 3" X 5" card, and should include the name and location of the highway and a brief explanation of any construction or maintenance activity.
- Contestants should mail entries to:
John Becker
c/o ACPA Northeast Chapter
800 North Third Street, Suite 201
Harrisburg, PA 17102
- All Entries will be available for pickup after Engineers Week. Late or mutilated photographs are not eligible and will not be considered. The Chairperson's determination regarding late or mutilated photographs shall be final.

QUESTIONS?

- Please contact our 2005 Photo Contest Chairperson, John Becker at (717) 441-3509.